APPENDIX 9 2023 METAL LEACHING AND ACID ROCK DRAINAGE MONITORING REPORT

AGNICO EAGLE
MELIADINE

Meliadine Gold Mine

2023 Metal Leaching and Acid Rock Drainage Monitoring Report

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1 INTRODUCTION

Agnico Eagle Mines Ltd. (Agnico Eagle) operates the Meliadine Gold Mine (the Mine) located approximately 25 kilometers (km) north of Rankin Inlet, Nunavut, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut. The Mine is subject to the terms and conditions of both the amended Project Certificate 006 issued by the Nunavut Impact Review Board (NIRB) in accordance with the Nunavut Land Claims Agreement Article 12.5.12 on March 2, 2022 (NIRB, 2022) and Amended Water Licence No. 2AM-MEL1631 (the Licence), issued by the Nunavut Water Board (NWB) on May 13, 2021 (NWB, 2021).

In accordance with Conditions 19, 22, and 31 of the Project Certificate, Agnico Eagle has developed a waste rock and quarry monitoring plan to characterize the acid rock drainage and metal leaching (ARD/ML) potential of excavated materials on-site.

As per Schedule B, Item 9 of the Licence, this report provides the ARD/ML characterization results of all samples collected in 2023 for geochemical analysis, including waste rock from the underground and open pit development areas, and filtered tailings from the Process Plant.

The Meliadine geological setting and baseline geochemical study are included in the Final Environmental Impact Statement (FEIS) for the Meliadine Gold Mine (Golder, 2014). The baseline geochemical study found that there was a low potential for ARD generation in the ore and waste rock of the Tiriganiaq deposit and a higher potential ML/ARD potential for tailings. Arsenic was identified as the principal metal leaching constituent of concern due to the presence of both elevated arsenic concentrations and occurrence of arsenopyrite and because arsenic can be mobile under the neutral pH conditions which are likely to prevail at Meliadine (Golder 2014).

As the project baseline studies established that specific geochemical management criteria (i.e., segregation of waste rock by ML or ARD potential) were not required for the operation, the objective of this characterization program was to confirm the findings from the baseline studies and to ensure that the current management practices are protective of the receiving environment.

2 SAMPLING

2.1 UNDERGROUND WASTE ROCK

In 2023, a total of 84 samples were collected from waste rock that was mined as part of underground development activities. The location of the rock samples can be seen in the isometric view of the mine in Figure 1. The samples were taken throughout the mine from levels 075 to 200 and 325 to 575.

Sampling occurred in transverse headings between ore lenses in barren host rock. The samples mainly consisted of sedimentary and volcanoclastic rocks, with minor barren iron formations.

Sample collection from blasted muck piles was performed by the underground geology team as follows:

- Monthly sampling recovered 6 samples plus one replicate for a total of 7 samples per month.
- The choice of the sample location has been selected by:
    - Choosing 3 from each of the top three priority waste headings in the month (i.e. one from each heading); and
    - 3 additional samples from the other most active headings each month.

Each sample was approximately 1 kg and generally representative of the lithology being sampled.

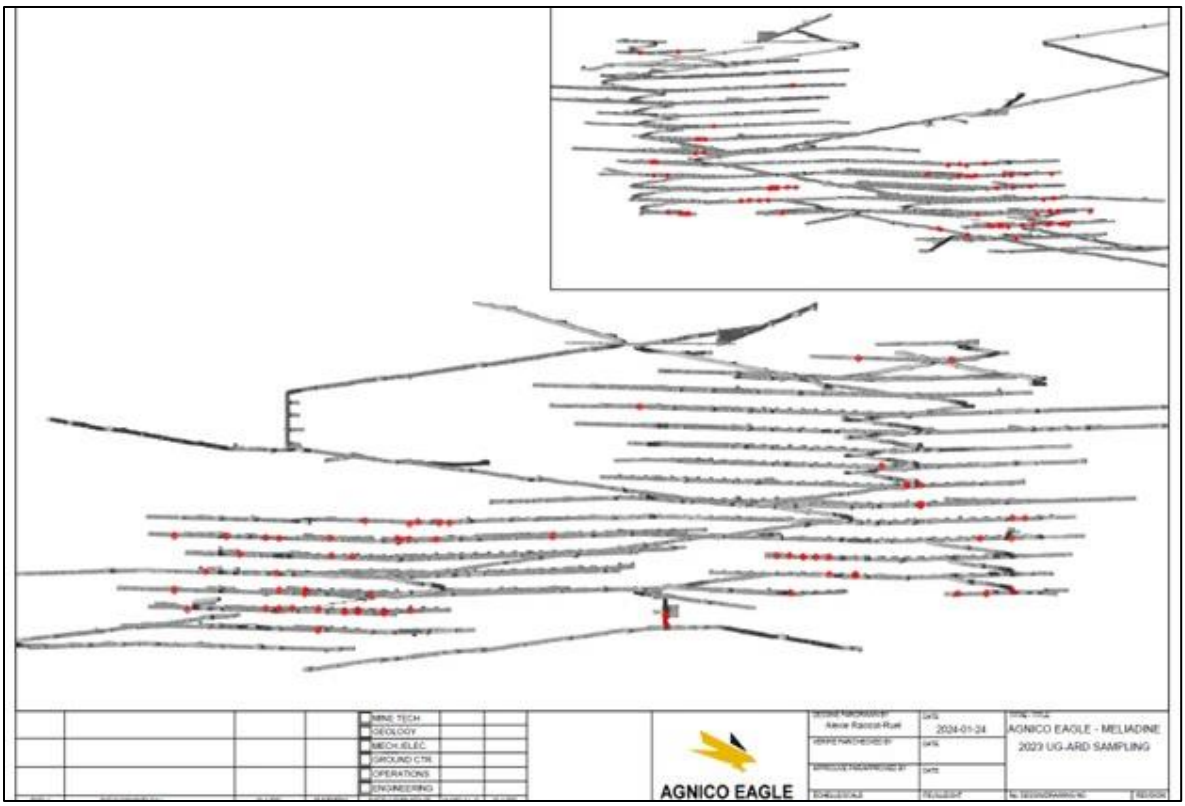

Figure 1 : Isometric view looking South-West and down Tiriganiaq Underground ARD/ML - sampling locations (in red).

2.2 TIRIGANIAQ OPEN PIT 1 WASTE ROCK

In 2023 a total of 392 ARD/ML samples were taken in the TIR01 pit (including duplicates), with 60 of those samples being taken in Phase B area and 332 ARD samples being taken in Phase C area. Pit phases are visualized in Figure 3.

ARD/ML samples are collected from the cuttings piles of production blast holes using the following parameters:

- Samples are collected in waste intervals across all lithologies;
- 1 sample is collected per 12,500 tonnes of blasted material; and
- 1 duplicate is taken per 100,000 tonnes of blasted material.

The ARD/ML samples were collected from the following formations:

- 240 samples from the SAM Formation (Kwa-s);
- 38 samples from the Upper Oxide Formation (Ksc-wa / UO); and
- 123 samples from the Wesmeg Formation (Mv).

Each sample collected was approximately 1 kg and generally representative of the lithology being sampled.

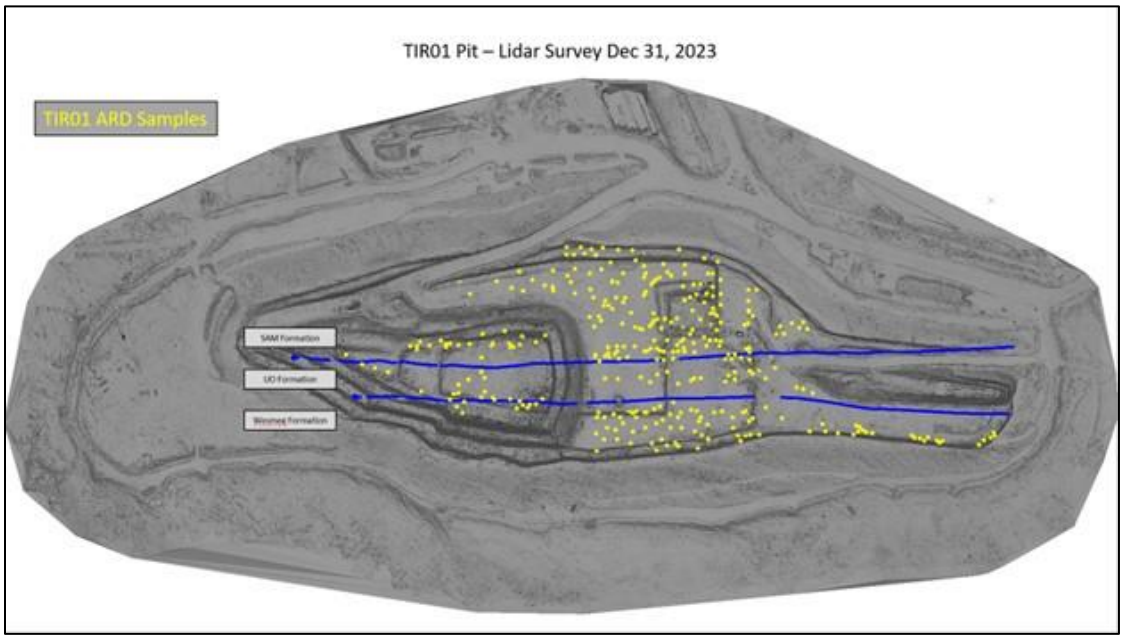

Figure 2: Plan view of the TIR01 planned pit (in grey) showing all ARD/ML sampling locations.

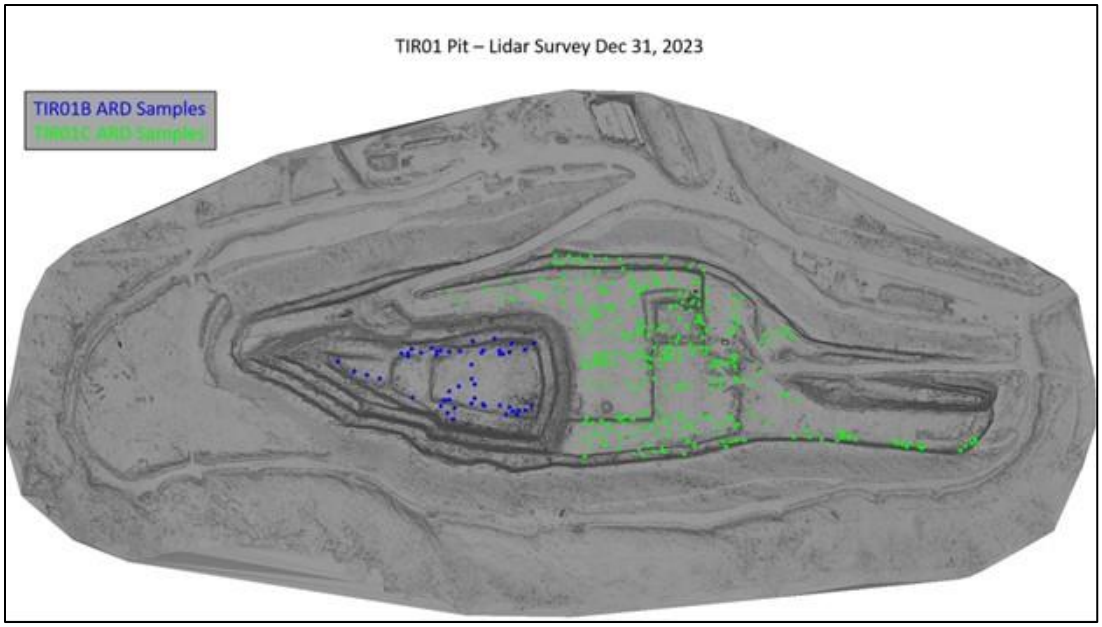

Figure 3: Plan view of the TIR01 planned pit (in grey) showing all ARD/ML sampling locations in Phase B (blue) and Phase C (green).

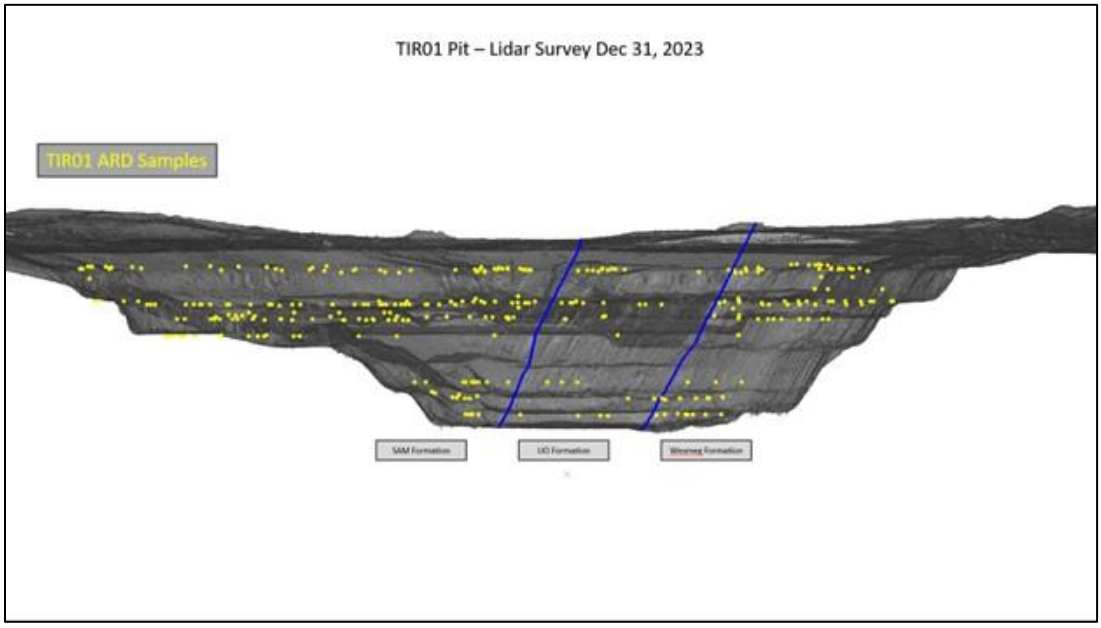

Figure 4: Vertical cross section of TIR01 ARD/ML sampling locations, looking east.

The location of TIR01 is presented in Figure 5 below.

Figure 5: General site plan view with TIR01 open pit identified in addition to other site facilities.

2.3 FILTERED TAILINGS

In 2023, 71 filtered tailings samples were taken at Meliadine, from processing of the underground and open pit ore. Two different types of samples of approximately 1 kg were taken on a regular basis throughout the year, except for occurrences when the process plant was shut down:

- Samples were taken in the mill immediately after the filter press on an approximate two week frequency; and
- Samples were collected consisting of a two week composite of 200 g of tailings collected daily after the filter press.

3 LABORATORY TESTING

All samples collected were shipped off-site to SGS Lakefield, Ontario, an accredited laboratory with specialization in ARD/ML. Analyses conducted on all samples included:

- Acid-base accounting (ABA)
    - Paste pH
    - Total sulphur (LECO)
    - Sulphate sulphur (HCl leach)
    - Total carbon (LECO)
    - Carbonate (CO3) by the difference of total carbon and total carbon analysis of the residue remaining following an HCl leach.
    - Neutralization potential (modified Sobek)
- Elemental analysis by aqua regia digestion and ICP-MS finish

Tailings samples were also analyzed for weak-acid dissociable (WAD) cyanide, total cyanide, and free cyanide.

Following an investigation in 2021, SGS Lakefield changed the analytical method used to assess carbonate content from a pyrolysis technique to hydrochloric acid leach (ASTM E1915, MEND 2009) after it was revealed the former method was resulting in a bias low carbonate content. As such, assessment of carbonate content by hydrochloric acid leach was used on all samples analyzed from 2022 forward. Details of the investigation and outcome can be found in the 2021 Metal Leaching and Acid Rock Drainage Monitoring Report submitted as Appendix 10 of the 2021 Annual Report.

3.1 QUALITY ASSURANCE/QUALITY CONTROL

Internal laboratory quality assurance and quality control (QA/QC) testing was carried out at SGS, which involved analysis of duplicates, blanks and internal standards. Any laboratory duplicate results that did not adhere to the required precision specifications would trigger a re-analysis.

Field duplicates were collected in 2023 as part of the internal quality control procedures. Duplicate samples are collected simultaneously in the field at the same sampling location and using identical sampling procedures as the parent samples. Duplicates are used to assess sampling variability and sample homogeneity. In 2023:

- Twelve (12) duplicates of underground waste rock were collected from a total of 72 samples, representing 16.7% of samples taken;
- Forty four (44) duplicates of open pit waste rock were collected from a total of 348 samples), representing 12.6% of samples taken;
- Seven (7) duplicates were taken for the operational filtered tailings from a total of 64 samples, representing 10.9% of samples taken.

Overall, collected and analyzed duplicate samples represent 13.4% of the samples collected throughout 2023 for geochemical monitoring (484 samples in total).

4 RESULTS & DISCUSSION

ARD Calculations Methodology

Based on Agnico Eagle's Geochemical Characterization Guide (2021), results of Modified Sobek NP should be compared with NP calculated from carbonate, and subsequently the more conservative method used to represent Neutralization Potential (NP) in NPR calculation and ARD assessment.

From 2022 onward, NP quantified from the Modified Sobek titration method (NP-mod) was consistently lower when compared with NP calculated from carbonate (NP-Ca) and therefore NP-mod was used for ARD assessment. It should be noted that prior to 2021, NP-Ca was used since it was the more conservative parameter at the time of interpretation. The change to NP-mod in 2021 compared with previous years is attributed to carbonate content which was biased low in laboratory analyses conducted prior to April 2021 with the pyrolysis method, as discussed in Section 3.

Acid Potential (AP) was calculated based on the amount of sulphide sulphur, calculated by difference of total sulphur and sulphate sulphur, as per Agnico Eagle's Geochemical Characterization Guide (2021). As stated in Agnico Eagle's 2020 Metal Leaching and Acid Rock Drainage Monitoring Report, project prediction studies indicated that the main sulphide minerals in the waste rock was pyrite, but also with arsenopyrite and lesser pyrrhotite, and chalcopyrite (Golder 2014). As a result, the main consideration for AP is the presence of sulphide minerals at Meliadine.

The potential for ARD was assessed using NP/AP ratios (or neutralization potential ratios, NPR). Ratios below 2 were used to indicate potential for ARD (PAG or Potentially Acid Generating), whereas ratios above 2 indicate low potential for ARD (non-PAG). Ratios between 1 and 2 are considered *uncertain*, meaning that there is an uncertain chance that the samples in question have the potential to produce ARD.

4.1 UNDERGROUND WASTE ROCK

4.1.1 ARD POTENTIAL

Complete 2023 Tiriganiaq underground waste rock samples ABA laboratory results are provided in Appendix A, with summary statistics provided in Table 1.

Table 1: Summary Statistics for 2023 ARD and Arsenic Underground Results.

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	7.9	8.2	8.6	8.8	8.8	9.0	9.3	9.5
NP-mod	kg $CaCO_3$/t	23	36	53	86	115	178	239	282
AP	kg $CaCO_3$/t	0.03	0.8	2.2	3.6	5.5	5.9	17.0	37.8
Sulphur (total)	% S	0.03	0.04	0.10	0.16	0.23	0.26	0.59	1.46
Acid Leachable SO4-S	% S	0.04	0.04	0.06	0.08	0.11	0.14	0.24	0.32
Carbon (total)	% C	0.15	0.40	0.75	1.23	1.61	2.38	3.49	4.64
Carbonate (CO3)	% CO_3	0.0	0.1	2.6	4.5	6.2	10.8	16.1	23.1
NP-Ca	kg $CaCO_3$/t	0.7	1.3	43.5	74.4	103.8	180.4	268.8	385.0
NP-mod/AP	ratio	1.2	5.0	13.9	22.9	21.1	46.4	221.3	1414.4
Arsenic	mg/kg	2	5	11	22	479	68	398	20000

Notes: P stands for percentile (e.g. P5 equals 5th percentile); NP-mod stands for NP by Modified Sobek titration method; NP-Ca stands for NP by carbonate content by TIC.

ARD classification for 2023 samples is presented in Figure 6. As predicted by Golder (2014), the majority of operational waste rock samples collected to date are non-PAG.

Two (2) 2023 samples fall within the “uncertain” classification. These samples represent a total of 3482 tonnes of waste, of which 2596 tonnes were brought to surface. Underground waste brought to surface was placed on the TSF for progressive reclamation covering.

These samples are considered a low risk given the excess neutralization in all other samples collected.

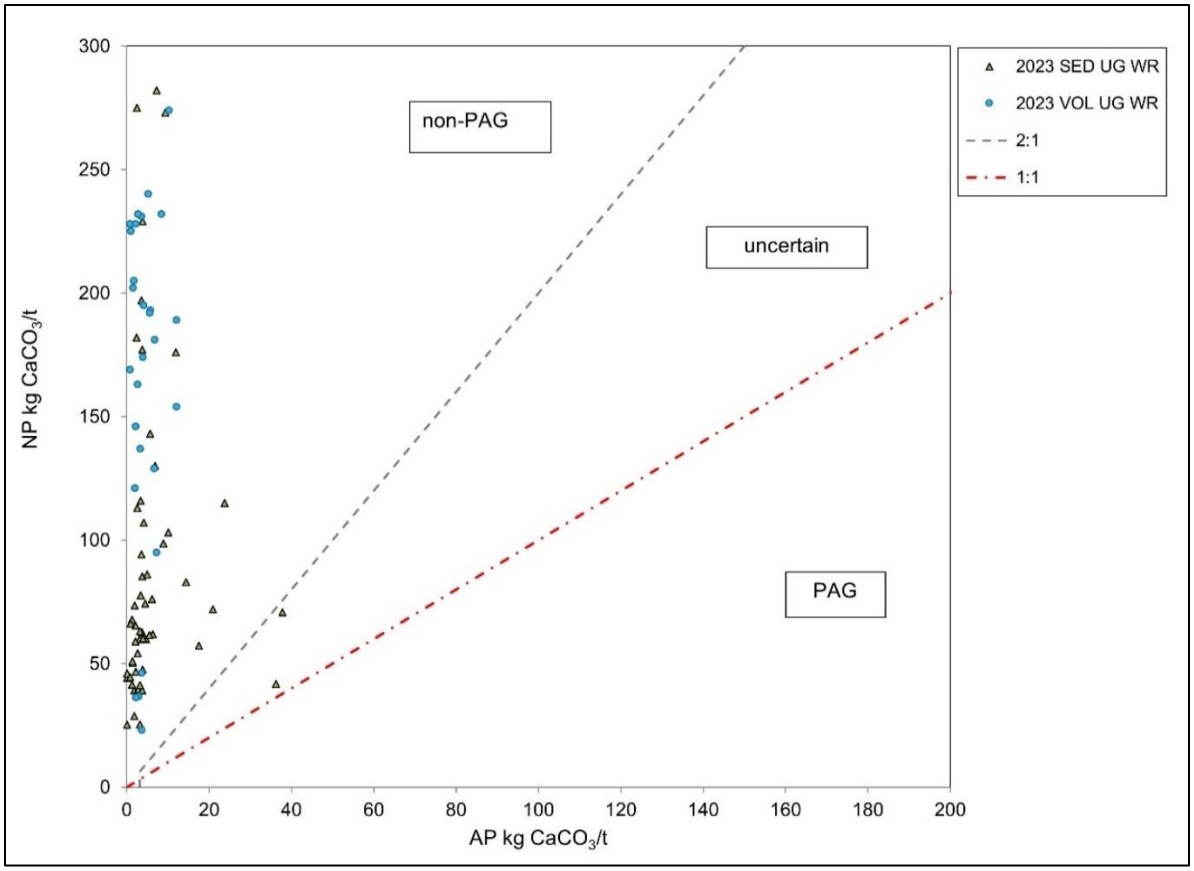

Figure 6: ARD classification for 2023 Underground Waste Rock samples

Note: SED is for sedimentary, VOL is for mafic volcanic.

4.1.2 METAL LEACHING

Metal leaching was predicted by Golder (2014) to be low enough that management of waste rock to inhibit leaching was not required. However, based on project screening studies, arsenic was determined to be the main element of interest and analysis of this element (and all regulated elements) were part of operational monitoring since mining began. A statistical summary for arsenic is provided in Table 1, with complete element composition results provided in Appendix A.

To ensure arsenic concentrations are within project predictions, results have been compiled and compared against average and maximum arsenic concentrations reported by Golder (2014). As shown in Figure 7, solid phase arsenic concentrations for samples collected between 2017 and 2023 mainly fall within the average concentration, with only three samples in the past seven years exceeding the maximum concentration reported by Golder (2014).

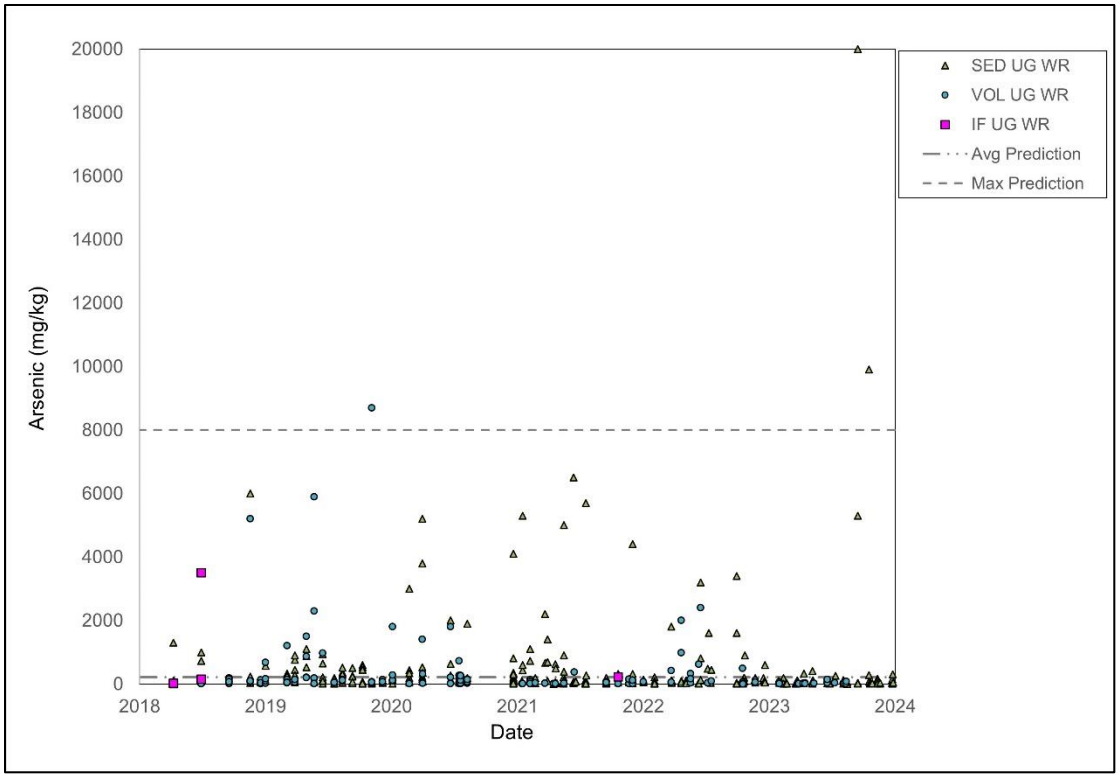

Figure 7: Arsenic concentrations in 2023 Underground Waste Rock samples compared to values from project prediction studies.

4.2 TIRIGANIAQ OPEN PIT 1 WASTE ROCK

4.2.1 ARD POTENTIAL

Complete 2023 TIR01 samples ABA laboratory results are provided in Appendix B, with summary statistics provided in Table 2.

Table 2: Summary Statistics for 2023 ARD and Arsenic TIR01 Results.

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	7.8	8.4	8.7	8.9	8.9	9.1	9.3	9.8
NP-mod	kg $CaCO_3$/t	12	32	41	53	98	157	270	387
AP	kg $CaCO_3$/t	0.0	2.0	3.5	4.8	6.3	6.4	11.1	147.8
Sulphur (total)	% S	0.03	0.10	0.18	0.22	0.28	0.28	0.46	5.38
Acid Leachable SO4-S	% S	0.04	0.04	0.06	0.08	0.10	0.12	0.19	0.65
Carbon (total)	% C	0.37	0.51	0.64	0.80	1.52	2.62	3.96	4.55
Carbonate (CO3)	% CO_3	0.09	0.38	2.56	3.28	6.67	11.83	19.40	22.30
NP-Ca	kg $CaCO_3$/t	1.5	6.3	42.7	54.7	111.1	197.1	323.3	371.7
NP-mod/AP	ratio	0.87	5.17	8.15	11.90	15.62	24.91	64.73	1084.80
Arsenic	mg/kg	3	10	30	59	220	130	859	13000

Notes: P stands for percentile (e.g. P5 equals 5th percentile); NP-mod stands for NP by Modified Sobek titration method; NP-Ca stands for NP by carbonate content by TIC.

Classification of TIR01 waste rock samples is provided in Figure 8. One sample collected in 2023 had an NPR below 1, four samples with an NPR between 1 and 2 and all remaining samples in 2023 yielding NPRs greater than 2.

The sample with an NPR of 0.87 (indicating PAG), was collected near a narrow, localized band of weakly mineralized iron formation containing 2% pyrrhotite. As TIR01 waste rock is used as source rock for construction of infrastructure within the mine footprint, an investigation was initiated into the volume of material that the PAG sample would be associated with. Through the investigation, it was determined that the volume confined by the surrounding non-PAG holes was approximately 1706 tonnes out of a blast pattern totaling 68,748 tonnes. Of this, 12,381 tonnes has been crushed for construction projects and the rest was placed on the WRSFs. There is a low probability that some of the material classified as PAG was used for construction and Agnico Eagle will conduct follow-up sampling of constructed infrastructure to confirm PAG rock was not used in construction.

The 4 samples which returned as uncertain were scrutinized to determine the amount of material that was associated with each sample and the destination of the rock. One sample was sent to the mill as ore. Two samples were duplicates from the same drill hole and equate to 4400 tonnes and were constrained by other samples that returned as non-PAG. Due to the location of the hole sampled it is assumed that all 4400 tonnes were used for construction. The final sample that the results returned as uncertain equals approximately 4500 tonnes and was surrounded by non-PAG results. The approximate volume of the blast was 130,700 tonnes, and of this, 4354 tonnes was used for construction material and the rest was moved to the WRSFs. These samples are

considered low risk given the excess neutralization potential in the other samples collected in 2023.

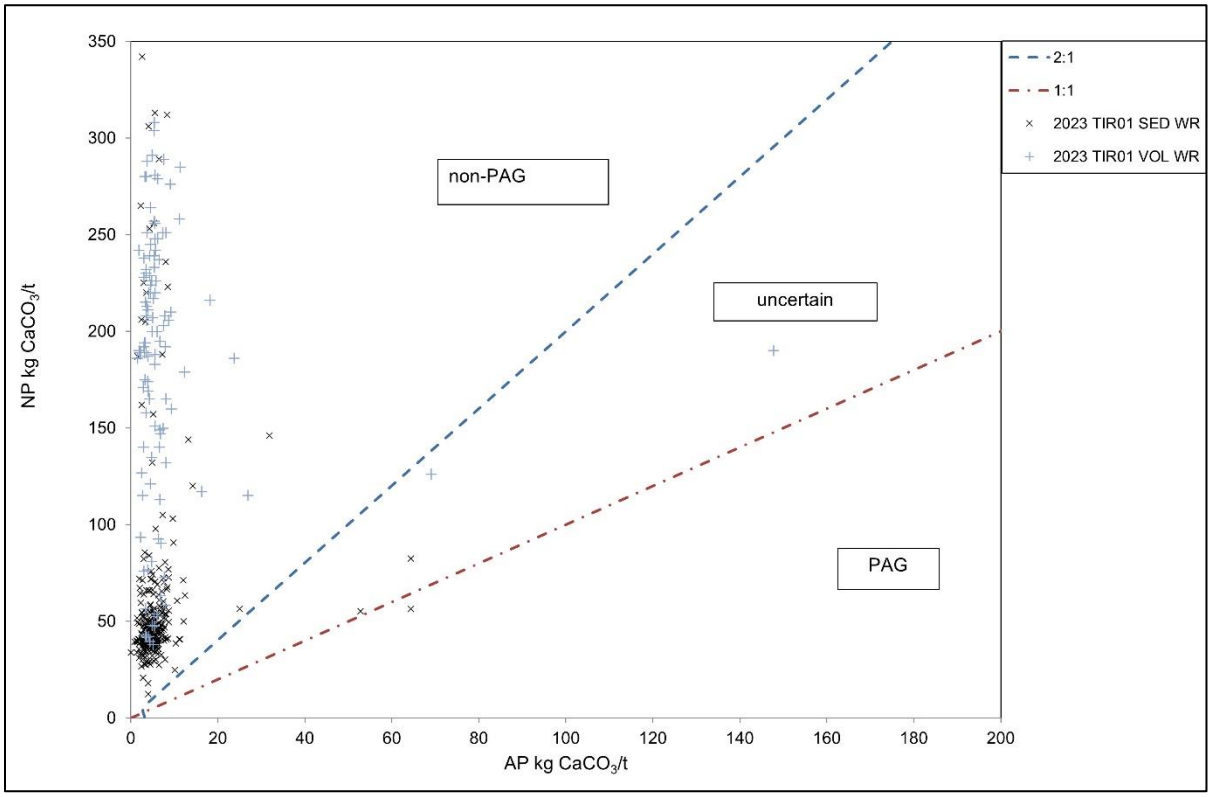

Figure 8: ARD classification for 2023 TIR01 waste rock samples.

Note: SED stands for sedimentary, VOL stands for mafic volcanic, OVB stands for overburden.

4.2.2 METAL LEACHING

Metal leaching was predicted by Golder (2014) to be low enough that management of waste rock to inhibit leaching was not required. However, based on project screening studies, arsenic was determined to be the main element of interest and analysis of this element (and all regulated elements) were part of operational monitoring since mining began. A statistical summary for arsenic is provided in Table 2, with complete element composition results provided in Appendix B.

To ensure arsenic concentrations are within project predictions, results have been compiled and compared against average and maximum arsenic concentrations reported by Golder (2014). As shown in Figure 9, solid phase arsenic concentrations mainly fall within or slightly above the average concentration, with only one sample exceeding the maximum concentration reported by Golder (2014).

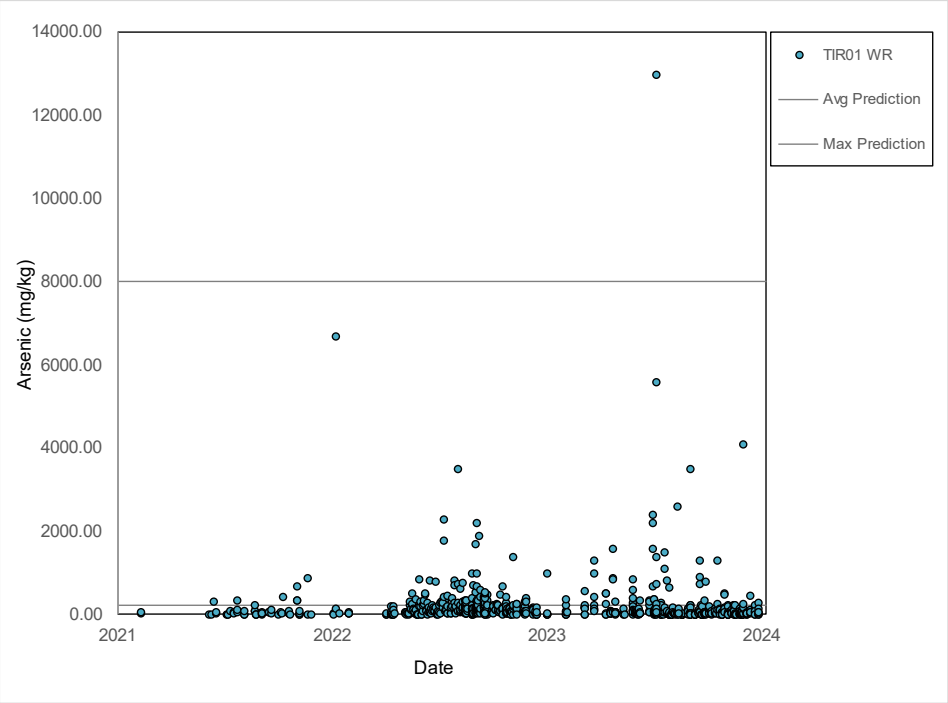

Figure 9: Arsenic concentrations in TIR01 waste rock samples compared to values from project prediction studies.

4.3 FILTERED TAILINGS

4.3.1 ARD POTENTIAL

Complete 2023 filtered tailings samples ABA laboratory results are provided in Appendix C with summary statistics provided in Table 3. The higher sulphur content in the filtered tailings compared to the waste rock is a result of the sulphides associated with gold in ore.

Table 3: Summary Statistics for 2023 ARD and Arsenic Filtered Tailings Results.

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	8.1	8.2	8.3	8.4	8.4	8.5	8.8	10.1
NP-mod	kg $CaCO_3$/t	19	63	77	83	82	86	98	122
AP	kg $CaCO_3$/t	20.0	23.4	28.7	33.6	34.4	38.1	50.3	59.1
Sulphur (total)	% S	0.91	0.99	1.13	1.24	1.28	1.34	1.89	2.01
Acid Leachable SO4-S	% S	0.05	0.06	0.11	0.17	0.19	0.23	0.42	0.56
Carbon (total)	% C	0.29	1.16	1.27	1.33	1.30	1.38	1.45	1.52
Carbonate (CO3)	% CO_3	0.22	0.50	5.51	5.98	5.10	6.25	6.72	6.83
NP-Ca	kg $CaCO_3$/t	4	8	92	100	85	104	112	114
NP-mod/AP	ratio	0.6	1.6	2.1	2.4	2.39	2.9	4.0	121.4
Arsenic	mg/kg	5200	5425	6300	7300	7641	8475	11000	15000

Notes: P stands for percentile (e.g. P5 equals 5th percentile); NP-mod stands for NP by Modified Sobek titration method; NP-Ca stands for NP by carbonate content by TIC.

ARD classification for 2023 samples is provided in Figure 10. Samples collected in 2023 had an average NPR of 5.1, while one(1) sample had an NPR below 1.

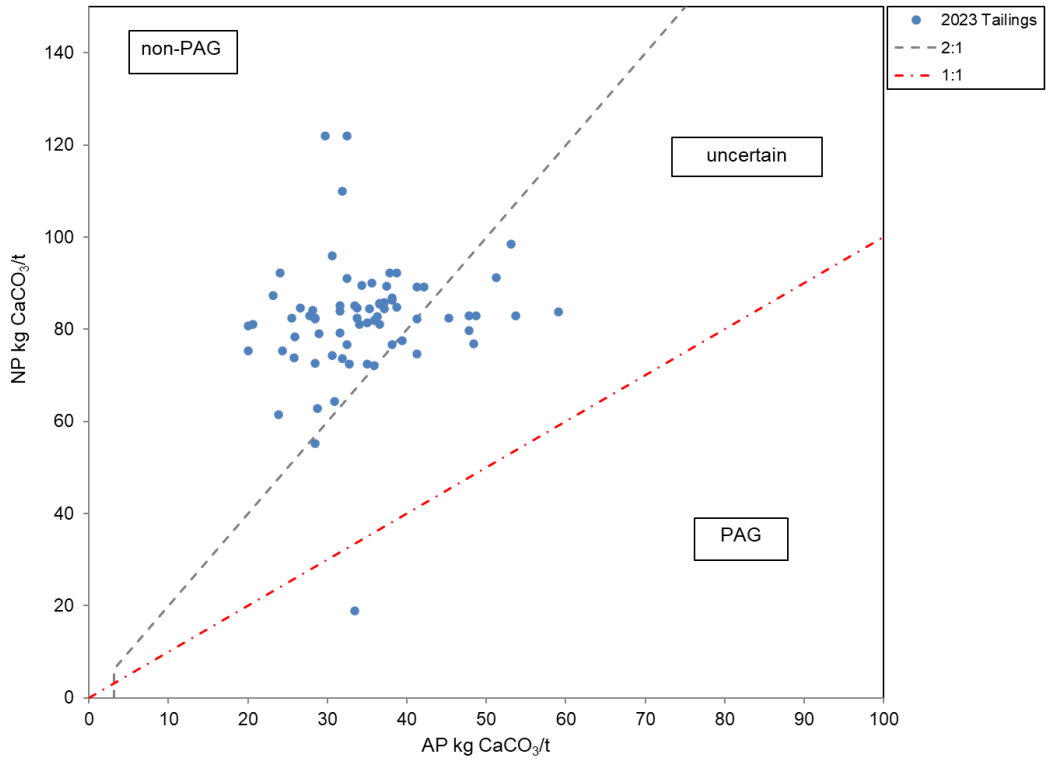

Figure 10: ARD classification of 2023 Operational Filtered Tailings samples.

Despite the presence of tailings samples classified as PAG and uncertain from 2019 to 2023 sampling, Agnico Eagle does not consider the tailings to pose an ARD risk for the site because generation of acidic water requires exposure of potentially acid generating material to air and water, sufficient timescales for neutralization potential to be consumed, as well as sufficiently warm temperatures to facilitate sulfide oxidation at meaningful rates. By compacting the placed tailings, sloping the facility to shed water, and allowing permafrost to freeze-back within the facility, infiltration of water and diffusion of oxygen into the facility is inhibited. Following freeze-back, sulfide oxidation rates are expected to be negligible.

While the delay to ARD onset has not been specifically calculated for PAG tailings owing to the small portion of PAG samples identified over the LOM, the delay to ARD onset for similar materials is typically on the scale of decades. Based on the design analysis, the tailings temperatures are expected to fall below -1.8°C starting about 4 years after placement. So far, the measured temperatures seem to align well with the expectations and most of the tailings are already below -1.8°C. Based on the above, the potential for development of localized acidic weathering conditions within the TSF before freeze back is very low.

In the theoretical event that localized masses of the most reactive PAG tailings did develop acidic porewater prior to freeze-back, there is enough carbonate present within the non-PAG tailings to neutralize acidic porewaters along flow paths such that net acidic drainage would not likely occur.

Therefore, in practice, sulfide oxidation is not expected to occur at meaningful rates within the TSF due to several mitigating factors (e.g., limited air and water ingress, co-disposal with non-PAG materials, freezing conditions), and neutralization potential is expected to be sufficient to buffer acidity in the long term.

4.3.2 METAL LEACHING

A statistical summary for arsenic is provided in Table 3, with complete element composition results provided in Appendix C. Given the presence of arsenic in the ore rock and background concentrations in the area, results for this element are summarized below and presented in Figure 11.

Arsenic concentrations in filtered tailings samples ranged from a minimum of 5,200 mg/kg to a maximum of 15,000 mg/kg, with a median of 7,300 mg/kg in 2023. These values are higher when compared to waste rock since ore is associated with increased abundances of sulphides, including arsenopyrite.

Forecasted arsenic concentrations in surface contact water across life of mine are provided in the water balance and water quality model (WBWQM) as part of the Annual Report.

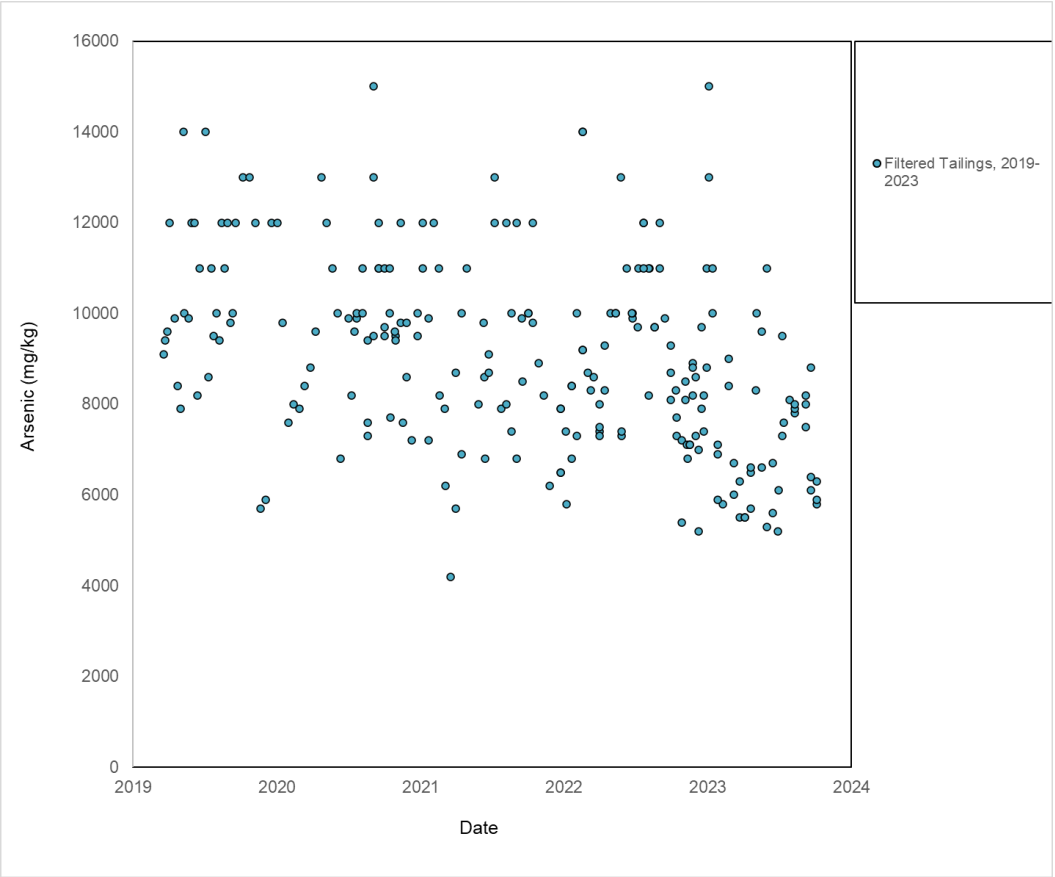

Figure 11: Solid Phase Arsenic results from 2019-2023 Operational Tailings samples

4.4 CONSTRUCTION ROCK SAMPLING

Waste rock from Tiriganiaq Pit 1 is frequently used for construction of infrastructure at site. Though the material has been sampled in the pit before use for construction, for due diligence, a sampling program was conducted in 2023 to confirm that historic rock used for construction is classified as non-PAG. Ten construction projects were sampled this year consisting of projects completed over 2022 and 2023. Figure 12 shows NPRs for collected samples.

The sampling protocol for the berms and channels was to walk a transect stopping every 25 to 30m to grab a sample of approximately 500g in size. For pads, a grid pattern was employed with the space between samples relative to the size of the pad; a sample approximately 500g in size was taken at each location. The objective was to create a representative composite sample of the material used in building the infrastructure.

Figure 12 also shows that sample results for the quarried material for the waterline that was taken during the 2023 construction season. Those results also returned as non-PAG.

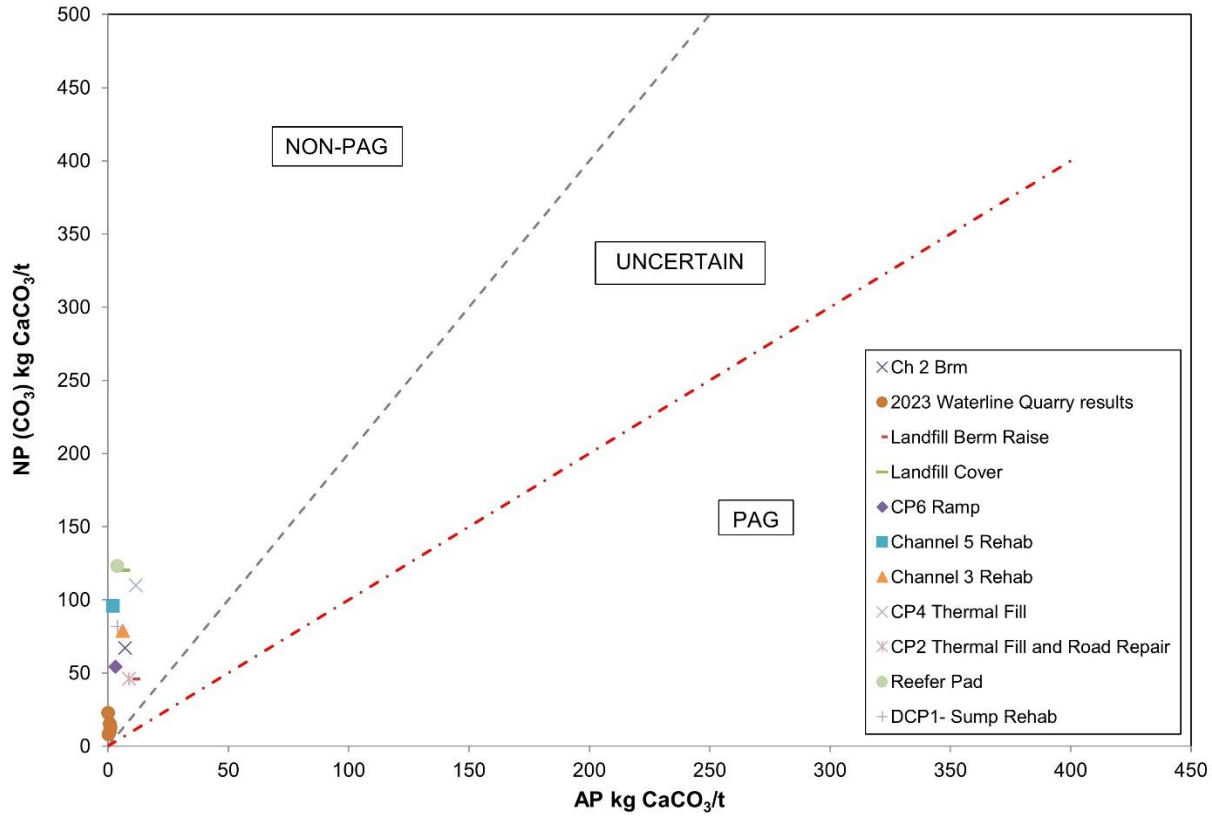

Figure 12: ARD classification of 2023 Construction Project samples

5 CONCLUSION

Based on geochemical characterization results obtained to date for the waste rock samples from underground/open pit development areas, the risk for ARD from the excavated materials is considered low. Both ABA and trace element results are within the prediction studies for the project.

Two samples from the underground mine had NPRs between 1 and 2, indicating uncertain ARD potential. Despite this classification, these samples do not represent a risk due to the excess neutralization potential of the remaining underground waste rock samples collected in 2023. Arsenic concentrations in underground waste rock samples in 2023 were at the levels predicted by Golder (2014) aside from two samples (from the same heading) that were over the maximum predicted.

One sample from the open pit mine had an NPR slightly below 1, and 4 samples with an NPR between 1 and 2. However, these samples do not represent a significant risk due to expected blending with the excess neutralization potential of the remaining open pit waste rock samples collected in 2023. Arsenic concentrations in open pit waste rock samples in 2023 were slightly higher on average than the Golder (2014) average prediction, with one sample above the maximum prediction.

The filtered tailings results show a slightly higher NPR than what was predicted in the baseline study. As such, they pose a low risk for ARD due to the management systems in place and closure approach developed for the storage facility. Indeed, for samples in uncertain and PAG classifications, it is important to put context on the classification in terms of the management and closure plan for the tailings. The classification indicates that the tailings samples in question have the potential to produce ARD. This classification is also for sulphidic material that is in a fully oxygenated atmosphere and above freezing conditions. The management of the tailings in a dry, compacted, and frozen facility will ensure that the potential of these tailings to produce ARD is inhibited. The progressive covering of the tailings during operations, limited oxygen availability, and low potential for contact with water further mitigate conditions for ARD generation.

In conclusion, based on the 2023 monitoring results for ARD/ML characterization, no additional management criteria is required at the moment for mine waste materials at Meliadine, in line with the predictions from the project baseline studies (Golder 2014). Geochemical monitoring for operational waste rock, tailings, and other excavated or construction material will continue in 2024 and results will be reviewed internally as they become available to ensure there is no risk to the receiving environment.

6 REFERENCES

Agnico Eagle Mines Limited, 2021. 2020 Metal Leaching and Acid Rock Drainage Monitoring Report, March 2021.

Agnico Eagle Mines Limited, 2021. Geochemical Characterization Guide, 2nd Edition. Last updated November 8, 2021.

Golder Associates Ltd, 2014. Final Environmental Impact Statement (FEIS) –Supporting Document (SD) 6-3 Geochemical Characterization of Waste Rock, Ore, Tailings and Overburden, Meliadine Gold Project, Nunavut.

MEND, 2009. Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials. MEND Report 1.20.1. Mining Environment Neutral Drainage Program, Natural Resources Canada. December 2009.

Nunavut Impact Review Board (NIRB). 2019. NIRB Meliadine Gold Mine Project Certificate [NO.: 006] Amendment. February 26, 2019.

NWB (Nunavut Water Board). 2021. Amended Type A Water Licence No. 2AM-MEL1631.

SGS Canada Inc., 2021. Letter regarding Agnico Eagle Mines, Meliadine Project, carbonate analysis.

SRK Consulting (Canada) Inc., 2021. Draft Technical Memo – Meliadine Mine Carbonate Bias Assessment.

Appendix A: Underground Waste Rock Laboratory Certificates of Analysis

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Project : PO#1124452

27-March-2023

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Date Rec. : 08 February 2023
LR Report: **CA19056-FEB23**
Reference: Meliadine

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284101 DP1-325-162-18 KSC-WA	6: CAMLM284102 DP0-400-121 MV	7: CAMLM284103 DP0-400-122 MV
Sample Date & Time					28-Jan-23	29-Jan-23	29-Jan-23
Sample weight [g]	02-Mar-23	16:00	03-Mar-23	15:48	252	250	252
Volume D.I. Water [mL]	02-Mar-23	16:00	03-Mar-23	15:48	750	750	750
Final pH [no unit]	02-Mar-23	16:00	03-Mar-23	15:48	8.81	8.82	8.96
pH [No unit]	06-Mar-23	07:57	07-Mar-23	10:28	8.01	8.11	7.99
Conductivity [uS/cm]	06-Mar-23	07:57	07-Mar-23	10:28	414	220	144
Alkalinity [mg/L as CaCO3]	06-Mar-23	07:57	07-Mar-23	10:28	54	54	42
SO4 [mg/L]	06-Mar-23	08:33	07-Mar-23	10:17	12	4	4
Hg [mg/L]	07-Mar-23	08:49	07-Mar-23	11:13	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.526	0.611	0.750
As [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.0009	0.0081	0.0007
Ba [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.0129	0.00158	0.00328
B [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.181	0.028	0.017
Be [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	21.1	14.7	12.2
Cd [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.000104	0.000020	< 0.000004
Cr [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.0002	0.0003	< 0.0002
Fe [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.007	< 0.007	< 0.007
K [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	13.1	9.05	2.19
Li [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.0014	0.0023	0.0018
Mg [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	3.26	4.00	2.75
Mn [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.00165	0.00363	0.00279
Mo [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.00058	0.00038	0.00034
Na [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	45.8	17.6	11.1

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Project : PO#1124452

LR Report : **CA19056-FEB23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284101 DP1-325-162-18 KSC-WA	6: CAMLM284102 DP0-400-121 MV	7: CAMLM284103 DP0-400-122 MV
Ni [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.0001	0.0001	< 0.0001
Pb [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.0011	0.0016	0.0012
Se [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.00016	0.00020	0.00007
Si [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.73	0.98	0.89
Sn [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.309	0.110	0.0438
Ti [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.00008	0.00120	0.00009
Tl [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	< 0.000005	0.000010	< 0.000005
U [mg/L]	07-Mar-23	19:16	09-Mar-23	16:07	0.000007	0.000007	0.000010
V [mg/L]	07-Mar-23	19:16	09-Mar-23	16:06	0.00009	0.00052	0.00066
Zn [mg/L]	07-Mar-23	19:16	09-Mar-23	16:06	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM274104 DP1-325-162-19 KSC-WA	9: CAMLM274105 FW1-500-E MV	10: CAMLM274106 FW1-235-2 MV	11: CAMLM274107 FW1-325-W MV
Sample Date & Time	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23
Sample weight [g]	251	250	249	250
Volume D.I. Water [mL]	750	750	750	750
Final pH [no unit]	9.14	9.07	9.30	9.20
pH [No unit]	8.22	8.00	8.33	8.69
Conductivity [uS/cm]	224	136	149	212
Alkalinity [mg/L as CaCO3]	55	43	43	52
SO4 [mg/L]	5	< 2	< 2	2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.984	0.665	1.06	0.941
As [mg/L]	0.0302	0.0005	0.0531	0.0386
Ba [mg/L]	0.00389	0.00147	0.00286	0.00287
B [mg/L]	0.043	0.069	0.038	0.039
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	9.87	10.3	7.94	10.4
Cd [mg/L]	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000042	0.000026	0.000059	0.000054
Cr [mg/L]	< 0.00008	< 0.00008	0.00015	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	0.013	< 0.007
K [mg/L]	14.5	3.97	11.6	13.5
Li [mg/L]	0.0024	0.0008	0.0009	0.0014
Mg [mg/L]	2.35	2.50	1.48	2.27

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Project : PO#1124452

LR Report : **CA19056-FEB23**

Analysis	8: CAMLM274104 DP1-325-162-19 KSC-WA	9: CAMLM274105 FW1-500-E MV	10: CAMLM274106 FW1-235-2 MV	11: CAMLM274107 FW1-325-W MV
Mn [mg/L]	0.00115	0.00056	0.00058	0.00080
Mo [mg/L]	0.00060	0.00028	0.00100	0.00121
Na [mg/L]	21.9	10.5	11.3	16.0
Ni [mg/L]	< 0.0001	< 0.0001	0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0035	< 0.0009	0.0037	0.0044
Se [mg/L]	0.00005	0.00004	0.00012	0.00020
Si [mg/L]	1.57	0.88	1.45	1.49
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0648	0.0410	0.0370	0.0539
Ti [mg/L]	0.00024	0.00020	0.00085	0.00038
Tl [mg/L]	0.000008	0.000008	< 0.000005	0.000007
U [mg/L]	0.000105	0.000006	0.000047	0.000054
V [mg/L]	0.00186	0.00064	0.00314	0.00271
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
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Project : PO#1124452

27-March-2023

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Date Rec. : 08 February 2023
LR Report: **CA19054-FEB23**

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Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284101 DP1-325-162-18 KSC-WA	6: CAMLM284102 DP0-400-121 MV	7: CAMLM284103 DP0-400-122 MV
Sample Date & Time					28-Jan-23	29-Jan-23	29-Jan-23
Paste pH [no unit]	28-Feb-23	08:28	01-Mar-23	16:13	8.51	8.71	8.88
Fizz Rate [rating]	28-Feb-23	08:28	01-Mar-23	16:13	4	4	4
Sample weight [g]	28-Feb-23	08:28	01-Mar-23	16:13	2.02	1.94	2.01
HCl_add [mL]	28-Feb-23	08:28	01-Mar-23	16:13	80.00	180.00	160.00
HCl [Normality]	28-Feb-23	08:28	01-Mar-23	16:13	0.10	0.10	0.10
NaOH [Normality]	28-Feb-23	08:28	01-Mar-23	16:13	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	01-Mar-23	08:28	01-Mar-23	16:13	40.17	73.84	67.21
Final pH [no unit]	01-Mar-23	08:28	01-Mar-23	16:13	1.77	1.60	1.56
NP [t CaCO3/1000 t]	01-Mar-23	08:28	01-Mar-23	16:13	98.6	274	231
AP [t CaCO3/1000 t]	03-Mar-23	08:58	03-Mar-23	08:59	8.75	9.69	3.44
Net NP [t CaCO3/1000 t]	03-Mar-23	08:58	03-Mar-23	08:59	89.8	264	227
NP/AP [ratio]	03-Mar-23	08:58	03-Mar-23	08:59	11.3	28.2	67.1
S [%]	01-Mar-23	07:15	03-Mar-23	08:59	0.353	0.327	0.153
Acid Leachable SO4-S [%]	03-Mar-23	08:58	03-Mar-23	08:59	0.07	< 0.04	0.04
Sulphide [%]	02-Mar-23	07:07	03-Mar-23	08:59	0.28	0.31	0.11
C [%]	01-Mar-23	07:15	03-Mar-23	08:59	1.21	3.44	2.85
CO3 (HCl) [%]	02-Mar-23	09:14	03-Mar-23	08:59	6.00	17.1	14.1

Analysis	8: CAMLM274104 DP1-325-162-19 KSC-WA	9: CAMLM274105 FW1-500-E MV	10: CAMLM274106 FW1-235-2 MV	11: CAMLM274107 FW1-325-W MV
Sample Date & Time	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23
Paste pH [no unit]	8.89	8.87	9.06	9.05
Fizz Rate [rating]	3	4	2	2
Sample weight [g]	2.05	2.07	1.98	1.89
HCl_add [mL]	60.00	160.00	35.00	35.00

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Analysis	8: CAMLM274104 DP1-325-162-19 KSC-WA	9: CAMLM274105 FW1-500-E MV	10: CAMLM274106 FW1-235-2 MV	11: CAMLM274107 FW1-325-W MV
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	32.18	75.18	20.47	17.54
Final pH [no unit]	1.57	1.53	1.65	1.72
NP [t CaCO3/1000 t]	67.8	205	36.7	46.2
AP [t CaCO3/1000 t]	1.25	1.25	2.81	3.75
Net NP [t CaCO3/1000 t]	66.6	204	33.9	42.4
NP/AP [ratio]	54.2	164	13.0	12.3
S [%]	0.100	0.054	0.152	0.187
Acid Leachable SO4-S [%]	0.06	<0.04	0.06	0.07
Sulphide [%]	0.04	< 0.04	0.09	0.12
C [%]	0.878	2.51	0.410	0.568
CO3 (HCl) [%]	4.33	12.5	1.99	2.77

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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27-March-2023

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Date Rec. : 08 February 2023
LR Report: **CA19055-FEB23**

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284101 DP1-325-162-18 KSC-WA	6: CAMLM284102 DP0-400-121 MV	7: CAMLM284103 DP0-400-122 MV	8: CAMLM274104 DP1-325-162-19 KSC-WA	9: CAMLM274105 FW1-500-E MV	10: CAMLM274106 FW1-235-2 MV	11: CAMLM274107 FW1-325-W MV
Sample Date & Time					28-Jan-23	29-Jan-23	29-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23
Ag [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	55000	62000	62000	61000	62000	55000	50000
As [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	35	53	6.4	180	3.1	110	56
Ba [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	340	160	33	520	210	560	460
Be [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	0.74	0.52	0.29	0.98	0.35	1.2	0.93
Bi [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.18	0.28
Ca [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	35000	110000	99000	21000	75000	8700	10000
Cd [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	0.07	0.08	0.14	0.07	0.07	0.04	0.03
Co [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	9.1	43	47	8.7	45	22	17
Cr [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	33	91	87	34	88	75	72
Cu [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	26	82	110	13	120	45	43
Fe [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	110000	69000	81000	35000	77000	48000	34000
K [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	6700	11000	1200	12000	4700	21000	16000
Li [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	22	42	53	12	58	36	23
Mg [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	9500	20000	27000	5800	37000	16000	11000
Mn [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	440	1700	2000	260	1300	220	270

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0003278348

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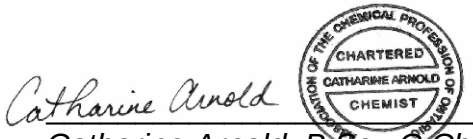
LR Report : **CA19055-FEB23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284101 DP1-325-162-18 KSC-WA	6: CAMLM284102 DP0-400-121 MV	7: CAMLM284103 DP0-400-122 MV	8: CAMLM274104 DP1-325-162-19 KSC-WA	9: CAMLM274105 FW1-500-E MV	10: CAMLM274106 FW1-235-2 MV	11: CAMLM274107 FW1-325-W MV
Mo [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	0.9	0.3	0.2	0.5	0.1	2.1	1.3
Ni [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	25	98	130	19	130	80	57
Pb [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	14	6	4	10	5	10	16
Sb [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	< 0.8	1.0	1.2	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	340	190	96	370	100	170	170
Ti [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	2300	4000	3600	2800	2700	3700	2600
Tl [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	0.25	0.38	0.04	0.29	0.25	0.58	0.43
U [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	1.20	0.15	0.078	0.90	0.061	0.76	1.04
V [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	39	180	190	34	180	100	64
Y [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	7.65	12.7	12.8	3.89	9.24	4.52	3.26
Zn [µg/g]	22-Feb-23	20:08	27-Feb-23	09:52	64	75	93	50	79	82	62



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003278348

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SGS Canada Inc.
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Project : PO#1124452

27-March-2023

Date Rec. : 07 March 2023
LR Report: **CA19033-MAR23**
Reference: Meliadine - PO#1124452

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM194599 DP1-425-154-6 KSC-WA	6: CAMLM194600 DP1-425-155-8 KSC-WA	7: CAMLM183015 FW1-425-156-E-96 KSC-WA	8: CAMLM183016 DP1-425-154-9 KSC-WA	9: CAMLM183017 FW-425-156-E-99 KSC-WA	10: CAMLM183018 425-159-3 KSC-WA KSC-WA	11: CAMLM183018 425-159-3 KSC-WA KSC-WA DUP
Sample Date & Time					11-FEB-23	11-FEB-23	11-FEB-23	19-FEB-23	19-FEB-23	21-FEB-23	21-FEB-23
Ag [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	72000	74000	68000	62000	57000	38000	65000
As [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	5.2	10	15	25	19	5.9	5.8
Ba [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	570	520	770	820	630	330	630
Be [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	1.1	0.94	1.3	1.6	1.1	0.74	1.2
Bi [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	0.34	0.24	0.22	< 0.09	0.15	< 0.09	0.40
Ca [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	32000	28000	25000	36000	17000	23000	17000
Cd [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	0.09	0.09	0.12	0.08	0.07	0.05	0.04
Co [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	9.3	12	14	6.9	9.8	6.3	13
Cr [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	20	23	53	17	99	50	33
Cu [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	53	38	68	19	20	11	52
Fe [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	110000	100000	57000	120000	63000	250000	150000
K [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	12000	13000	18000	12000	12000	6100	11000
Li [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	26	37	20	16	22	16	25
Mg [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	8700	12000	9600	6500	10000	8900	13000
Mn [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	430	390	430	360	330	400	320
Mo [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	0.9	0.7	0.7	0.7	0.7	1.8	0.6

OnLine LIMS

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Project : PO#1124452

LR Report : **CA19033-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM194599 DP1-425-154-6 KSC-WA	6: CAMLM194600 DP1-425-155-8 KSC-WA	7: CAMLM183015 FW1-425-156-E-96 KSC-WA	8: CAMLM183016 DP1-425-154-9 KSC-WA	9: CAMLM183017 FW-425-156-E-99 KSC-WA	10: CAMLM183018 425-159-3 KSC-WA KSC-WA	11: CAMLM183018 425-159-3 KSC-WA KSC-WA DUP
Ni [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	21	28	42	14	30	19	22
Pb [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	16	12	11	9	8	6	27
Sb [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	1.2	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	0.2	0.2	0.2	0.1	0.1	< 0.1	0.2
Sn [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	380	340	340	480	280	300	310
Ti [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	2200	2300	2500	1900	2200	1300	1900
Tl [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	0.42	0.25	0.39	0.30	0.26	0.15	0.29
U [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	0.96	0.97	0.87	0.73	0.89	0.64	1.08
V [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	44	49	69	35	55	34	38
Y [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	6.12	7.02	5.06	5.09	3.77	4.86	5.06
Zn [µg/g]	20-Mar-23	16:17	22-Mar-23	16:42	60	91	54	39	64	40	58

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1124452

04-April-2023

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Date Rec. : 07 March 2023
LR Report: **CA19032-MAR23**
Reference: Meliadine - PO#1124452

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM194599 DP1-425-154-6 KSC-WA	6: CAMLM194600 DP1-425-155-8 KSC-WA	7: CAMLM183015 FW1-425-156-E-96 KSC-WA
Sample Date & Time					11-FEB-23	11-FEB-23	11-FEB-23
Paste pH [no unit]	16-Mar-23	16:02	18-Mar-23	10:18	8.94	8.84	8.85
Fizz Rate [rating]	16-Mar-23	16:02	18-Mar-23	10:18	4	4	4
Sample weight [g]	16-Mar-23	16:02	18-Mar-23	10:18	1.98	2.02	2.03
HCl_add [mL]	16-Mar-23	16:02	18-Mar-23	10:18	60.00	55.00	60.00
HCl [Normality]	16-Mar-23	16:02	18-Mar-23	10:18	0.10	0.10	0.10
NaOH [Normality]	16-Mar-23	16:02	18-Mar-23	10:18	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Mar-23	16:02	18-Mar-23	10:18	26.21	24.98	26.29
Final pH [no unit]	17-Mar-23	16:02	18-Mar-23	10:18	1.52	1.56	1.59
NP [t CaCO3/1000 t]	17-Mar-23	16:02	18-Mar-23	10:18	85.3	74.3	83.0
AP [t CaCO3/1000 t]	30-Mar-23	12:20	30-Mar-23	12:20	3.12	4.06	14.4
Net NP [t CaCO3/1000 t]	30-Mar-23	12:20	30-Mar-23	12:20	82.2	70.2	68.6
NP/AP [ratio]	30-Mar-23	12:20	30-Mar-23	12:20	27.3	18.3	5.77
S [%]	28-Mar-23	09:06	30-Mar-23	12:20	0.120	0.142	0.519
Acid Leachable SO4-S [%]	30-Mar-23	12:20	30-Mar-23	12:20	< 0.04	< 0.04	0.06
Sulphide [%]	29-Mar-23	16:48	30-Mar-23	12:20	0.10	0.13	0.46
C [%]	28-Mar-23	09:06	30-Mar-23	12:20	0.984	0.837	1.09
CO3 (HCl) [%]	30-Mar-23	09:46	30-Mar-23	12:20	4.86	4.13	5.31

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Project : PO#1124452

LR Report : **CA19032-MAR23**

Analysis	8: CAMLM183016 DP1-425-154-9 KSC-WA	9: CAMLM183017 FW-425-156-E-99 KSC-WA	10: CAMLM183018 425-159-3 KSC-WA KSC-WA	11: CAMLM183018 425-159-3 KSC-WA KSC-WA DUP
Sample Date & Time	19-FEB-23	19-FEB-23	21-FEB-23	21-FEB-23
Paste pH [no unit]	8.61	8.70	8.58	8.77
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.07	2.04	2.03	2.10
HCl_add [mL]	75.50	60.00	60.00	60.00
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	31.10	34.39	30.14	34.02
Final pH [no unit]	1.59	1.57	1.64	1.71
NP [t CaCO3/1000 t]	107	62.8	73.5	61.8
AP [t CaCO3/1000 t]	3.12	2.50	1.56	6.25
Net NP [t CaCO3/1000 t]	104	60.3	71.9	55.6
NP/AP [ratio]	34.3	25.1	47.0	9.89
S [%]	0.131	0.116	0.061	0.241
Acid Leachable SO4-S [%]	< 0.04	< 0.04	< 0.04	0.04
Sulphide [%]	0.10	0.08	0.05	0.20
C [%]	1.39	0.763	0.918	0.748
CO3 (HCl) [%]	6.85	3.74	4.47	3.68

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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OnLine LIMS

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Project : PO#1124452

04-April-2023

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Date Rec. : 07 March 2023
LR Report: **CA19034-MAR23**
Reference: Meliadine - PO#1124452

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM194599 DP1-425-154-6 KSC-WA	6: CAMLM194600 DP1-425-155-8 KSC-WA	7: CAMLM183015 FW1-425-156-E-96 KSC-WA
Sample Date & Time					11-FEB-23	11-FEB-23	11-FEB-23
Sample weight [g]	17-Mar-23	08:25	18-Mar-23	10:19	249	249	250
Volume D.I. Water [mL]	17-Mar-23	08:25	18-Mar-23	10:19	750	750	750
Final pH [no unit]	18-Mar-23	06:46	18-Mar-23	10:19	9.19	8.97	8.96
pH [No unit]	20-Mar-23	07:54	21-Mar-23	13:10	8.06	8.01	8.09
Conductivity [uS/cm]	20-Mar-23	07:54	21-Mar-23	13:10	173	217	221
Alkalinity [mg/L as CaCO3]	20-Mar-23	07:54	21-Mar-23	09:35	40	43	50
SO4 [mg/L]	20-Mar-23	10:47	21-Mar-23	12:46	3	5	4
Hg [mg/L]	27-Mar-23	11:01	28-Mar-23	09:18	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	1.69	1.19	0.837
As [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.0018	0.0009	0.0049
Ba [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.00297	0.00414	0.00393
B [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.075	0.054	0.034
Be [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.00001	< 0.00001	0.00002
Ca [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	9.27	13.2	12.8
Cd [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.000017	0.000019	0.000033
Cr [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.0002	0.0002	0.0003
Fe [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.007	< 0.007	0.009
K [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	7.70	10.2	12.0
Li [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.0012	0.0012	0.0012
Mg [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.853	1.40	2.65

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0003288759

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Project : PO#1124452

LR Report : **CA19034-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM194599 DP1-425-154-6 KSC-WA	6: CAMLM194600 DP1-425-155-8 KSC-WA	7: CAMLM183015 FW1-425-156-E-96 KSC-WA
Mn [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.00059	0.00063	0.00118
Mo [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.00369	0.00241	0.00211
Na [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	18.3	20.1	17.7
Ni [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.0001	< 0.0001	0.0001
Pb [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.00009	< 0.00009	0.00029
Sb [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.0022	0.0016	0.0050
Se [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.00014	0.00022	0.00021
Si [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.99	0.93	1.08
Sn [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.0203	0.0132	0.0279
Sr [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.09748	0.143	0.108
Ti [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.00005	< 0.00005	0.00006
Tl [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.000005	0.000005	< 0.000005
U [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.000039	0.000021	0.000062
W [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.00324	0.00188	0.00140
V [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	0.00064	0.00025	0.00057
Zn [mg/L]	29-Mar-23	22:50	30-Mar-23	15:23	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM183016 DP1-425-154-9 KSC-WA	9: CAMLM183017 FW-425-156-E-99 KSC-WA	10: CAMLM183018 425-159-3 KSC-WA KSC-WA	11: CAMLM183018 425-159-3 KSC-WA KSC-WA DUP
Sample Date & Time	19-FEB-23	19-FEB-23	21-FEB-23	21-FEB-23
Sample weight [g]	249	249	250	251
Volume D.I. Water [mL]	750	750	750	750
Final pH [no unit]	8.81	8.72	8.76	8.92
pH [No unit]	8.13	8.58	8.16	8.02
Conductivity [uS/cm]	270	460	230	310
Alkalinity [mg/L as CaCO3]	58	58	49	52
SO4 [mg/L]	4	7	3	7
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.617	0.701	0.647	0.647
As [mg/L]	0.0023	0.0034	0.0018	0.0028
Ba [mg/L]	0.00992	0.00866	0.00628	0.00829
B [mg/L]	0.117	0.148	0.109	0.138
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001

OnLine LIMS

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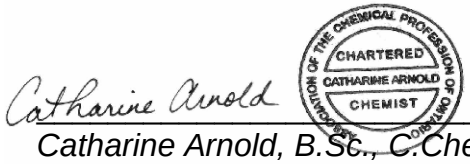
Project : PO#1124452

LR Report : **CA19034-MAR23**

Analysis	8: CAMLM183016 DP1-425-154-9 KSC-WA	9: CAMLM183017 FW-425-156-E-99 KSC-WA	10: CAMLM183018 425-159-3 KSC-WA KSC-WA	11: CAMLM183018 425-159-3 KSC-WA KSC-WA DUP
Ca [mg/L]	16.9	18.9	14.4	15.7
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000051	0.000260	0.000056	0.000053
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0002	< 0.0002	0.0006	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	0.007	0.007
K [mg/L]	8.04	15.0	5.93	8.30
Li [mg/L]	0.0018	0.0017	0.0014	0.0015
Mg [mg/L]	3.45	4.12	3.19	3.44
Mn [mg/L]	0.00168	0.00134	0.00106	0.00090
Mo [mg/L]	0.00219	0.00191	0.00087	0.00109
Na [mg/L]	22.2	39.2	19.7	28.1
Ni [mg/L]	0.0002	0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0013	0.0050	0.0023	0.0026
Se [mg/L]	0.00010	0.00013	0.00007	0.00007
Si [mg/L]	1.07	1.17	1.26	1.24
Sn [mg/L]	0.0191	0.0230	0.0218	0.0157
Sr [mg/L]	0.235	0.161	0.179	0.192
Ti [mg/L]	< 0.00005	< 0.00005	0.00010	< 0.00005
Tl [mg/L]	< 0.000005	0.000038	< 0.000005	0.000005
U [mg/L]	0.000093	0.000037	0.000027	0.000031
W [mg/L]	0.00168	0.00636	0.00182	0.00249
V [mg/L]	0.00011	0.00033	0.00018	0.00020
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



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03-May-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
Canada, X0C 0A0
Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 18 April 2023
LR Report: **CA19112-APR23**
Reference: 1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM18302 0-FW1-325-W-KSC-WA	6: CAMLM18302 1-CC1-125-121-KSC-WA	7: CAMLM18302 2-FW2-375-119-KSC-WA
Sample Date & Time					18-Mar-23	23-Mar-23	23-Mar-23
Ag [µg/g]	27-Apr-23	11:38	02-May-23	14:56	< 0.5	< 0.5	0.6
Al [µg/g]	27-Apr-23	11:38	02-May-23	14:56	53000	52000	61000
As [µg/g]	27-Apr-23	11:38	02-May-23	14:56	110	18	22
Ba [µg/g]	27-Apr-23	11:38	02-May-23	14:56	540	440	560
Be [µg/g]	27-Apr-23	11:38	02-May-23	14:56	1.3	1.1	1.3
Bi [µg/g]	27-Apr-23	11:38	02-May-23	14:56	0.18	0.14	< 0.09
Ca [µg/g]	27-Apr-23	11:38	02-May-23	14:56	22000	22000	10000
Cd [µg/g]	27-Apr-23	11:38	02-May-23	14:56	0.16	0.15	0.16
Co [µg/g]	27-Apr-23	11:38	02-May-23	14:56	9.5	11	12
Cr [µg/g]	27-Apr-23	11:38	02-May-23	14:56	23	25	46
Cu [µg/g]	27-Apr-23	11:38	02-May-23	14:56	27	26	19
Fe [µg/g]	27-Apr-23	11:38	02-May-23	14:56	49000	40000	130000
K [µg/g]	27-Apr-23	11:38	02-May-23	14:56	13000	13000	13000
Li [µg/g]	27-Apr-23	11:38	02-May-23	14:56	14	28	32
Mg [µg/g]	27-Apr-23	11:38	02-May-23	14:56	6700	5800	10000
Mn [µg/g]	27-Apr-23	11:38	02-May-23	14:56	390	330	320
Mo [µg/g]	27-Apr-23	11:38	02-May-23	14:56	0.6	0.5	1.0
Ni [µg/g]	27-Apr-23	11:38	02-May-23	14:56	25	24	41
Pb [µg/g]	27-Apr-23	11:38	02-May-23	14:56	9	8	9
Sb [µg/g]	27-Apr-23	11:38	02-May-23	14:56	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Apr-23	11:38	02-May-23	14:56	0.3	0.2	0.3
Sn [µg/g]	27-Apr-23	11:38	02-May-23	14:56	< 6	< 6	< 6
Sr [µg/g]	27-Apr-23	11:38	02-May-23	14:56	220	290	200
Ti [µg/g]	27-Apr-23	11:38	02-May-23	14:56	2000	2400	2100
Tl [µg/g]	27-Apr-23	11:38	02-May-23	14:56	0.38	0.26	0.28
U [µg/g]	27-Apr-23	11:38	02-May-23	14:56	0.46	0.54	1.2

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LR Report : **CA19112-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM18302 0-FW1-325-W-KSC-WA	6: CAMLM18302 1-CC1-125-121-KSC-WA	7: CAMLM18302 2-FW2-375-119-KSC-WA
V [µg/g]	27-Apr-23	11:38	02-May-23	14:56	81	89	120
Y [µg/g]	27-Apr-23	11:38	02-May-23	14:56	3.7	4.2	6.0
Zn [µg/g]	27-Apr-23	11:38	02-May-23	14:56	41	61	90

Analysis	8: CAMLM18302 3-FW2-375-119-KSC-WA	9: CAMLM18302 4-CC1-350-112-MV	10: CAMLM18302 5-FW1-325-W-KSC-WA	11: CAMLM24118 6-FW1-325-W-KSC-WA
Sample Date & Time	23-Mar-23	27-Mar-23	21-Mar-23	23-Mar-23
Ag [µg/g]	0.6	0.6	1.0	< 0.5
Al [µg/g]	66000	76000	77000	74000
As [µg/g]	11	20	36	18
Ba [µg/g]	810	43	430	120
Be [µg/g]	1.9	0.41	0.85	0.45
Bi [µg/g]	< 0.09	< 0.09	0.19	< 0.09
Ca [µg/g]	17000	65000	63000	65000
Cd [µg/g]	0.19	0.28	0.17	0.14
Co [µg/g]	7.6	48	36	49
Cr [µg/g]	27	170	93	170
Cu [µg/g]	9.4	110	53	87
Fe [µg/g]	120000	81000	60000	85000
K [µg/g]	13000	1200	15000	4300
Li [µg/g]	28	85	66	110
Mg [µg/g]	7300	38000	18000	28000
Mn [µg/g]	340	1500	1100	1400
Mo [µg/g]	1.0	< 0.1	0.8	0.2
Ni [µg/g]	22	150	94	130
Pb [µg/g]	11	4	8	4
Sb [µg/g]	< 0.8	< 0.8	1.2	1.1
Se [µg/g]	0.2	0.6	0.6	0.6
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	390	180	210	230
Ti [µg/g]	1900	570	2000	2900
Tl [µg/g]	0.29	0.04	0.60	0.21
U [µg/g]	1.4	0.067	0.68	0.14
V [µg/g]	90	280	200	290
Y [µg/g]	5.6	12	12	12
Zn [µg/g]	50	89	83	120

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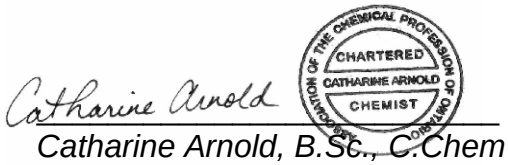
LR Report : **CA19112-APR23**



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Project : PO#1254179

03-May-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 18 April 2023
LR Report: **CA19113-APR23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM18302 0-FW1-325-W-KSC-WA	6: CAMLM18302 1-CC1-125-12 1-KSC-WA	7: CAMLM18302 2-FW2-375-11 9-KSC-WA
Sample Date & Time					18-Mar-23	23-Mar-23	23-Mar-23
Sample weight [g]	24-Apr-23	14:04	25-Apr-23	11:39	250	250	250
Volume D.I. Water [mL]	24-Apr-23	14:04	25-Apr-23	11:39	750	750	750
pH [no unit]	24-Apr-23	14:04	25-Apr-23	11:39	8.94	9.24	9.29
pH [No unit]	25-Apr-23	14:07	27-Apr-23	09:41	8.27	8.12	8.05
Conductivity [uS/cm]	25-Apr-23	14:07	27-Apr-23	09:41	328	270	109
Alkalinity [mg/L as CaCO3]	25-Apr-23	14:07	27-Apr-23	09:41	46	32	34
SO4 [mg/L]	25-Apr-23	17:03	26-Apr-23	09:19	7	6	< 2
Hg [mg/L]	26-Apr-23	17:38	28-Apr-23	17:55	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.746	0.900	1.25
As [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.0026	0.0054	0.0035
Ba [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.00647	0.00293	0.00265
B [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.111	0.032	0.024
Be [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	29-Apr-23	16:23	01-May-23	07:30	16.0	11.4	9.23
Cd [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.000042	0.000030	0.000167
Cr [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.007	< 0.007	< 0.007
K [mg/L]	29-Apr-23	16:23	01-May-23	07:30	10.2	9.43	6.28
Li [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.0104	0.0011	0.0004
Mg [mg/L]	29-Apr-23	16:23	01-May-23	07:30	3.62	1.59	0.687
Mn [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.00156	0.00069	0.00034
Mo [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.00079	0.00110	0.00060

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Project : PO#1254179

LR Report : **CA19113-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM18302 0-FW1-325-W-KSC-WA	6: CAMLM18302 1-CC1-125-121-KSC-WA	7: CAMLM18302 2-FW2-375-119-KSC-WA
Na [mg/L]	29-Apr-23	16:23	01-May-23	07:30	32.6	33.8	7.23
Ni [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.0015	0.0017	0.0014
Se [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.00008	0.00013	< 0.00004
Si [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.93	1.42	0.93
Sn [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.126	0.0948	0.0906
Ti [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.00005	0.00007	0.00008
Tl [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.000020	0.000007	0.000008
U [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.000006	0.000023	0.000006
W [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.00119	0.00080	0.00054
V [mg/L]	29-Apr-23	16:23	01-May-23	07:30	0.00027	0.00152	0.00057
Zn [mg/L]	29-Apr-23	16:23	01-May-23	07:30	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM18302 3-FW2-375-119-KSC-WA	9: CAMLM18302 4-CC1-350-112-MV	10: CAMLM18302 5-FW1-325-W-KSC-WA	11: CAMLM24118 6-FW1-325-W-KSC-WA
Sample Date & Time	23-Mar-23	27-Mar-23	21-Mar-23	23-Mar-23
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.15	9.31	9.02	9.12
pH [No unit]	8.08	7.97	8.25	8.51
Conductivity [uS/cm]	115	153	618	196
Alkalinity [mg/L as CaCO3]	39	25	35	42
SO4 [mg/L]	7	16	20	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	1.25	0.897	0.611	1.00
As [mg/L]	0.0011	0.0017	0.0019	< 0.0002
Ba [mg/L]	0.00448	0.0125	0.171	0.00542
B [mg/L]	0.038	0.102	0.109	0.064
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	11.0	13.5	22.8	11.5
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000234	0.00143	0.000063	0.000030
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007

OnLine LIMS

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0003320128

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Project : PO#1254179

LR Report : **CA19113-APR23**

Analysis	8: CAMLM183023-FW2-375-119-KSC-WA	9: CAMLM183024-CC1-350-112-MV	10: CAMLM183025-FW1-325-W-KSC-WA	11: CAMLM241186-FW1-325-W-KSC-WA
K [mg/L]	7.89	1.35	12.7	4.12
Li [mg/L]	0.0007	0.0006	0.0017	0.0013
Mg [mg/L]	0.877	1.21	5.02	1.39
Mn [mg/L]	0.00069	0.00144	0.00226	0.00089
Mo [mg/L]	0.00104	0.00184	0.00186	0.00084
Na [mg/L]	7.03	15.3	80.8	14.0
Ni [mg/L]	0.0002	0.0003	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0020	0.0017	0.0020	0.0013
Se [mg/L]	< 0.00004	0.00009	0.00010	< 0.00004
Si [mg/L]	0.83	0.91	0.98	0.62
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.164	0.733	0.406	0.0827
Ti [mg/L]	0.00033	0.00007	< 0.00005	< 0.00005
Tl [mg/L]	0.000006	< 0.000005	0.000036	0.000019
U [mg/L]	0.000013	0.000006	0.000034	0.000051
W [mg/L]	0.00104	0.00177	0.00176	0.00095
V [mg/L]	0.00036	0.00127	0.00072	0.00063
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
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mel

Project : PO#1254179

11-July-2023

Date Rec. : 18 April 2023
LR Report: **CA19111-APR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM183020-FW1-325-W-KSC-WA	6: CAMLM183021-CC1-125-121-KSC-WA	7: CAMLM183022-FW2-375-119-KSC-WA	8: CAMLM183023-FW2-375-119-KSC-WA	9: CAMLM183024-CC1-350-112-MV	10: CAMLM183025-FW1-325-W-KSC-WA	11: CAMLM241186-FW1-325-W-KSC-WA
Sample Date & Time					18-Mar-23	23-Mar-23	23-Mar-23	23-Mar-23	27-Mar-23	21-Mar-23	23-Mar-23
Paste pH [no unit]	14-May-23	08:01	15-May-23	11:58	8.79	8.83	8.95	9.08	8.75	8.33	8.65
Fizz Rate [rating]	14-May-23	08:01	15-May-23	11:58	4	4	3	4	4	4	4
Sample weight [g]	14-May-23	08:01	15-May-23	11:58	1.98	2.01	1.98	2.03	2.02	2.01	1.99
HCl_add [mL]	15-May-23	06:26	15-May-23	11:58	60.00	40.00	35.50	47.50	100.00	102.00	102.00
HCl [Normality]	14-May-23	08:01	15-May-23	11:58	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	14-May-23	08:01	15-May-23	11:58	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-May-23	08:18	15-May-23	11:58	29.29	15.97	25.52	27.04	40.92	31.17	31.40
Final pH [no unit]	15-May-23	08:18	15-May-23	11:58	1.80	1.82	1.51	1.59	1.54	1.75	1.83
NP [t CaCO3/1000 t]	15-May-23	08:18	15-May-23	11:58	77.6	59.8	25.2	50.4	146	176	177
AP [t CaCO3/1000 t]	15-May-23	11:58	15-May-23	11:59	3.44	1.25	1.25	1.25	1.25	11.9	3.75
Net NP [t CaCO3/1000 t]	15-May-23	11:58	15-May-23	11:59	74.2	58.6	24.0	49.2	145	164	174
NP/AP [ratio]	15-May-23	11:58	15-May-23	11:59	22.6	47.8	20.2	40.3	117	14.8	47.3
S [%]	02-May-23	11:38	04-May-23	17:30	0.298	0.099	0.092	0.047	0.070	0.452	0.181
Acid Leachable SO4-S [%]	04-May-23	17:29	04-May-23	17:30	0.19	0.10	0.09	0.05	0.07	0.07	0.06
Sulphide [%]	04-May-23	14:41	04-May-23	17:30	0.11	< 0.04	< 0.04	< 0.04	< 0.04	0.38	0.12
C [%]	02-May-23	11:38	04-May-23	13:47	1.24	0.740	0.404	0.759	1.74	2.08	2.14
CO3 (HCl) as %CO3 [%]	03-May-23	08:56	04-May-23	13:47	0.04	0.06	0.30	0.37	0.04	0.06	< 0.04

ABA - Modified Sobek

OnLine LIMS

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00003394616

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Project : PO#1254179

LR Report : **CA19111-APR23**

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003394616

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Project : PO#1254179

07-July-2023

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Date Rec. : 14 June 2023
LR Report: **CA19124-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM241187-CC1-350-112-MV	6: CAMLM241188-CC1-350-112-MV	7: CAMLM241189-DP2-375-126-KSC-WA	8: CAMLM241190-FW2-375-119-KSC-WA	9: CAMLM241191-CC1-425-112-MV	10: CAMLM241192-CC1-375-112-MV	11: CAMLM241193-CC1-450-111-MV
Sample Date & Time					9-Apr-23	9-Apr-23	11-Apr-23	11-Apr-23	15-Apr-23	15-Apr-23	15-Apr-23
Ag [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	62000	57000	58000	31000	55000	60000	60000
As [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	16	11	330	37	55	6.6	11
Ba [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	7	100	810	250	200	64	29
Be [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	0.28	0.36	1.4	0.76	0.54	0.37	0.33
Bi [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	< 0.09	< 0.09	< 0.09	0.55	< 0.09	< 0.09	< 0.09
Ca [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	67000	72000	19000	36000	60000	63000	68000
Cd [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	0.13	0.09	0.19	0.37	0.10	0.07	0.10
Co [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	55	34	6.4	4.5	36	38	43
Cr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	82	120	11	20	90	95	100
Cu [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	130	78	9.1	14	92	93	120
Fe [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	64000	55000	74000	200000	59000	61000	56000
K [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	130	3200	16000	5700	5100	1300	880
Li [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	51	49	19	11	49	65	54
Mg [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	24000	22000	6900	7700	29000	27000	23000
Mn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	1500	1400	220	400	1400	1300	1600
Mo [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	< 0.1	< 0.1	3.3	23	0.4	0.1	< 0.1
Ni [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	110	93	15	12	85	110	100
Pb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	3	3	18	880	8	3	3

OnLine LIMS

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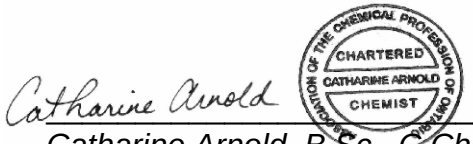
Project : PO#1254179

LR Report : **CA19124-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM241187-CC1-350-112-MV	6: CAMLM241188-CC1-350-112-MV	7: CAMLM241189-DP2-375-126-KSC-WA	8: CAMLM241190-FW2-375-119-KSC-WA	9: CAMLM241191-CC1-425-112-MV	10: CAMLM241192-CC1-375-112-MV	11: CAMLM241193-CC1-450-111-MV
Sb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	0.9	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	0.8	0.2	0.1	0.3	0.2	0.3	0.5
Sn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	120	87	230	330	110	93	79
Ti [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	3300	2900	1400	790	2700	2200	1900
Tl [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	< 0.02	0.13	0.51	0.18	0.16	0.04	< 0.02
U [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	0.11	0.11	1.4	0.88	0.081	0.068	0.084
V [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	180	160	26	25	160	160	150
Y [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	14	12	5.3	7.3	4.5	9.6	12
Zn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:57	69	57	71	73	58	63	63



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003391410

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ABA - Modified Sobek

Project : PO#1254179

03-August-2023

Agnico Eagle Mines Limited
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Date Rec. : 14 June 2023
LR Report: **CA19123-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM241187-CC1-350-112-MV	6: CAMLM241188-CC1-350-112-MV	7: CAMLM241189-DP2-375-126-KSC-WA	8: CAMLM241190-FW2-375-119-KSC-WA
Sample Date & Time					9-Apr-23	9-Apr-23	11-Apr-23	11-Apr-23
Paste pH [no unit]	18-Jul-23	10:33	24-Jul-23	13:25	8.73	8.88	9.09	8.84
Fizz Rate [rating]	18-Jul-23	10:33	24-Jul-23	13:25	4	4	2	4
Sample weight [g]	18-Jul-23	10:33	24-Jul-23	13:25	2.18	2.09	2.03	2.04
HCl_add [mL]	19-Jul-23	10:03	24-Jul-23	13:25	85.00	100.00	45.00	70.00
HCl [Normality]	18-Jul-23	10:33	24-Jul-23	13:25	0.10	0.10	0.10	0.10
NaOH [Normality]	18-Jul-23	10:33	24-Jul-23	13:25	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Jul-23	10:03	24-Jul-23	13:25	18.03	15.44	20.74	16.97
Final pH [no unit]	19-Jul-23	10:03	24-Jul-23	13:25	1.95	1.90	1.78	2.00
NP [t CaCO3/1000 t]	19-Jul-23	10:03	24-Jul-23	13:25	154	202	59.8	130
AP [t CaCO3/1000 t]	03-Aug-23	11:35	03-Aug-23	11:35	12.2	1.56	4.69	6.88
Net NP [t CaCO3/1000 t]	03-Aug-23	11:35	03-Aug-23	11:35	141	201	55.1	123
NP/AP [ratio]	03-Aug-23	11:35	03-Aug-23	11:35	12.6	129	12.8	18.9
S [%]	02-Aug-23	18:27	03-Aug-23	11:35	0.468	0.049	0.198	0.301
Acid Leachable SO4-S [%]	03-Aug-23	11:35	03-Aug-23	11:35	0.08	< 0.04	0.05	0.08
Sulphide [%]	02-Aug-23	09:02	03-Aug-23	11:35	0.39	0.05	0.15	0.22
C [%]	02-Aug-23	18:27	03-Aug-23	11:35	1.70	2.58	1.20	2.13
CO3 (HCl) as %CO3 [%]	02-Aug-23	18:27	03-Aug-23	11:35	8.22	12.7	4.46	8.17

Analysis	9: CAMLM241191-CC1-425-112-MV	10: CAMLM241192-CC1-375-112-MV	11: CAMLM241193-CC1-450-111-MV
Sample Date & Time	15-Apr-23	15-Apr-23	15-Apr-23
Paste pH [no unit]	8.96	8.62	8.63
Fizz Rate [rating]	4	4	4
Sample weight [g]	2.13	2.16	2.18
HCl_add [mL]	135.00	105.00	135.00
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	38.04	45.90	52.54
Final pH [no unit]	1.82	1.71	1.53
NP [t CaCO3/1000 t]	228	137	189

OnLine LIMS

0003422854

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ABA - Modified Sobek

Project : PO#1254179

LR Report : **CA19123-JUN23**

Analysis	9: CAMLM241191-CC1-425-112-MV	10: CAMLM241192-CC1-375-112-MV	11: CAMLM241193-CC1-450-111-MV
AP [t CaCO3/1000 t]	2.19	2.81	12.2
Net NP [t CaCO3/1000 t]	225	134	177
NP/AP [ratio]	104	48.6	15.5
S [%]	0.071	0.106	0.597
Acid Leachable SO4-S [%]	< 0.04	< 0.04	0.21
Sulphide [%]	0.07	0.09	0.39
C [%]	3.28	2.21	2.40
CO3 (HCl) as %CO3 [%]	16.2	10.9	11.8

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

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Project Specialist,
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OnLine LIMS

0003422854

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Project : PO#1254179

31-July-2023

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Date Rec. : 14 June 2023
LR Report: **CA19125-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM24118 7-CC1-350-11 2-MV	6: CAMLM24118 8-CC1-350-11 2-MV	7: CAMLM24118 9-DP2-375-12 6-KSC-WA
Sample Date & Time					9-Apr-23	9-Apr-23	11-Apr-23
Sample weight [g]	17-Jul-23	07:00	19-Jul-23	16:47	250	250	250
Volume D.I. Water [mL]	17-Jul-23	07:00	19-Jul-23	16:47	750	750	750
pH [no unit]	18-Jul-23	14:04	19-Jul-23	16:47	9.16	9.24	8.95
pH [No unit]	18-Jul-23	15:25	20-Jul-23	11:56	7.96	7.88	7.90
Conductivity [uS/cm]	18-Jul-23	15:25	20-Jul-23	11:56	203	171	221
Alkalinity [mg/L as CaCO3]	18-Jul-23	15:25	20-Jul-23	11:56	32	28	39
SO4 [mg/L]	19-Jul-23	09:09	19-Jul-23	10:58	3	3	4
Hg [mg/L]	19-Jul-23	09:57	20-Jul-23	17:01	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.602	0.771	0.675
As [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.0016	0.0017	0.0119
Ba [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.00096	0.00071	0.00462
B [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.279	0.150	0.066
Be [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	11.5	8.50	13.3
Cd [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.000046	0.000030	0.000015
Cr [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.012	0.007	< 0.007
K [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	1.63	2.84	11.1
Li [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.0004	0.0003	0.0007
Mg [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	1.59	0.970	1.98
Mn [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.00099	0.00078	0.00064
Mo [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.00038	0.00037	0.00133

OnLine LIMS

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Project : PO#1254179

LR Report : **CA19125-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM241187-CC1-350-112-MV	6: CAMLM241188-CC1-350-112-MV	7: CAMLM241189-DP2-375-126-KSC-WA
Na [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	21.6	21.4	17.8
Ni [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.0003	< 0.0001	< 0.0001
Pb [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.00030	0.00027	< 0.00009
Sb [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.0017	0.0012	0.0025
Se [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.00009	0.00012	0.00013
Si [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.90	0.82	0.93
Sn [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.0668	0.0354	0.195
Ti [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	< 0.00007	0.00010	0.00009
Tl [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.000005	0.000010	0.000020
U [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.000012	0.000036	0.000020
V [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	0.00100	0.00123	0.00020
Zn [mg/L]	20-Jul-23	21:21	24-Jul-23	16:34	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM241190-FW2-375-119-KSC-WA	9: CAMLM241191-CC1-425-112-MV	10: CAMLM241192-CC1-375-112-MV	11: CAMLM241193-CC1-450-111-MV
Sample Date & Time	11-Apr-23	15-Apr-23	15-Apr-23	15-Apr-23
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.95	9.03	8.77	9.01
pH [No unit]	7.93	7.95	7.87	7.75
Conductivity [uS/cm]	182	176	280	452
Alkalinity [mg/L as CaCO3]	39	41	27	27
SO4 [mg/L]	6	< 2	4	16
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.577	0.481	0.589	0.474
As [mg/L]	0.0237	0.0082	0.0008	0.0015
Ba [mg/L]	0.00271	0.00191	0.00136	0.00368
B [mg/L]	0.063	0.180	0.087	0.353
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	12.8	10.9	12.4	21.1
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000025	0.00109	0.000021	0.000096
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0002	< 0.0002	0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.023
K [mg/L]	7.88	3.06	2.50	2.92

OnLine LIMS

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0003417500

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Project : PO#1254179

LR Report : **CA19125-JUN23**

Analysis	8: CAMLM241190-FW2-375-119-KSC-WA	9: CAMLM241191-CC1-425-112-MV	10: CAMLM241192-CC1-375-112-MV	11: CAMLM241193-CC1-450-111-MV
Li [mg/L]	0.0006	0.0004	0.0004	0.0005
Mg [mg/L]	1.99	3.80	1.84	2.31
Mn [mg/L]	0.00089	0.00082	0.00170	0.00189
Mo [mg/L]	0.00362	0.00022	0.00042	0.00038
Na [mg/L]	15.1	15.8	35.8	61.0
Ni [mg/L]	< 0.0001	< 0.0001	0.0002	0.0019
Pb [mg/L]	0.00013	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0023	0.0010	< 0.0009	0.0016
Se [mg/L]	0.00022	0.00013	0.00009	0.00016
Si [mg/L]	0.99	0.83	0.77	0.98
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.193	0.0789	0.0883	2.42
Ti [mg/L]	0.00008	0.00011	< 0.00007	< 0.00007
Tl [mg/L]	0.000010	0.000011	0.000012	0.000012
U [mg/L]	0.000023	< 0.000002	0.000014	0.000003
V [mg/L]	0.00021	0.00065	0.00068	0.00086
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00034175OO

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Project : PO#1254179

14-July-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

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, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 31 May 2023
LR Report: **CA19198-MAY23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM24119-CC1-450-111-MV	6: CAMLM24119-DP1-425-160-KSCWA	7: CAMLM24119-DP1-425-160-KSCWA
Sample Date & Time					11-May-23	05-May-23	05-May-23
Paste pH [no unit]	14-Jun-23	10:56	16-Jun-23	06:16	8.95	9.34	9.33
Fizz Rate [rating]	14-Jun-23	10:56	16-Jun-23	06:16	4	3	3
Sample weight [g]	14-Jun-23	10:56	16-Jun-23	06:16	1.97	2.03	2.06
HCl_add [mL]	15-Jun-23	09:22	16-Jun-23	06:16	98.60	29.00	27.10
HCl [Normality]	14-Jun-23	10:56	16-Jun-23	06:16	0.10	0.10	0.10
NaOH [Normality]	14-Jun-23	10:56	16-Jun-23	06:16	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Jun-23	11:24	16-Jun-23	06:16	27.15	9.68	10.95
Final pH [no unit]	15-Jun-23	11:24	16-Jun-23	06:16	1.63	1.94	1.92
NP [t CaCO3/1000 t]	15-Jun-23	11:24	16-Jun-23	06:16	181	47.6	39.2
AP [t CaCO3/1000 t]	11-Jul-23	12:52	12-Jul-23	14:29	5.62	2.81	1.56
Net NP [t CaCO3/1000 t]	11-Jul-23	12:52	12-Jul-23	14:29	176	44.8	37.6
NP/AP [ratio]	11-Jul-23	12:52	12-Jul-23	14:29	32.2	16.9	25.1
S [%]	07-Jul-23	13:42	12-Jul-23	14:28	0.217	0.123	0.059
Acid Leachable SO4-S [%]	11-Jul-23	12:52	12-Jul-23	14:28	< 0.04	< 0.04	< 0.04
Sulphide [%]	11-Jul-23	12:52	12-Jul-23	14:28	0.18	0.09	0.05
C [%]	07-Jul-23	13:42	12-Jul-23	14:28	2.20	0.621	0.548
CO3 (HCl) as %CO3 [%]	07-Jul-23	08:42	12-Jul-23	14:28	10.8	3.00	2.61

Analysis	8: CAMLM24119-DP1-250-150-KS	9: CAMLM24119-FW1-425-156-W-KS	10: CAMLM24119-FW1-175-185-KS	11: CAMLM24120-CC1-175-187-KS
Sample Date & Time	05-May-23	07-May-23	06-May-23	06-May-23
Paste pH [no unit]	9.11	8.47	8.85	8.58
Fizz Rate [rating]	2	2	4	4

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Project : PO#1254179

LR Report : **CA19198-MAY23**

Analysis	8: CAMLM24119 7-DP1-250-15 0-KS	9: CAMLM24119 8-FW1-425-15 6-W-KS	10: CAMLM24119 9-FW1-175-18 5-KS	11: CAMLM24120 0-CC1-175-187 -KS
Sample weight [g]	1.99	1.97	1.99	2.12
HCl_add [mL]	30.00	32.20	108.50	162.10
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.23	16.79	51.65	42.58
Final pH [no unit]	1.67	1.76	1.61	1.58
NP [t CaCO3/1000 t]	39.6	39.1	143	282
AP [t CaCO3/1000 t]	2.81	3.75	5.62	6.88
Net NP [t CaCO3/1000 t]	36.8	35.4	137	275
NP/AP [ratio]	14.1	10.4	25.4	41.0
S [%]	0.228	0.330	0.232	0.232
Acid Leachable SO4-S [%]	0.14	0.21	0.05	< 0.04
Sulphide [%]	0.09	0.12	0.18	0.22
C [%]	0.569	0.544	2.32	4.64
CO3 (HCl) as %CO3 [%]	2.71	2.61	11.4	23.1

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Project : PO#1254179

21-June-2023

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Date Rec. : 31 May 2023
LR Report: **CA19199-MAY23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM241194-CC1-450-111-MV	6: CAMLM241195-DP1-425-160-KS CWA	7: CAMLM241196-DP1-425-160-KS CWA	8: CAMLM241197-DP1-250-150-KS
Sample Date & Time					11-May-23	05-May-23	05-May-23	05-May-23
Ag [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	71000	73000	68000	55000
As [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	9.9	18	29	120
Ba [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	750	590	460	380
Be [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	0.71	1.2	1.1	1.1
Bi [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	< 0.09	< 0.09	< 0.09	0.14
Ca [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	65000	19000	13000	9700
Cd [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	0.09	0.06	0.05	0.08
Co [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	46	7.9	12	18
Cr [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	100	44	38	110
Cu [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	93	15	16	47
Fe [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	82000	41000	46000	34000
K [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	5700	20000	18000	17000
Li [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	58	27	29	23
Mg [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	45000	6300	7800	12000
Mn [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	1200	230	200	310
Mo [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	0.2	0.4	0.4	1.3
Ni [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	110	18	25	56
Pb [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	7	7	7	8
Sb [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	0.4	< 0.1	< 0.1	0.2
Sn [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	< 6	< 6	< 6	< 6
Sr [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	160	300	230	200
Ti [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	3600	2200	2400	2800
Tl [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	0.25	0.32	0.30	0.36
U [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	0.18	0.88	0.97	1.32
V [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	210	40	47	72
Y [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	6.99	5.00	3.51	3.13
Zn [µg/g]	14-Jun-23	01:57	16-Jun-23	06:56	78	45	60	66

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Project : PO#1254179

LR Report : **CA19199-MAY23**

Analysis	9: CAMLM241198-FW1-425-156-W-KS	10: CAMLM241199-FW1-175-185-KS	11: CAMLM241200-CC1-175-187-KS
Sample Date & Time	07-May-23	06-May-23	06-May-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	66000	72000	53000
As [µg/g]	410	8.7	21
Ba [µg/g]	390	12	37
Be [µg/g]	1.3	0.29	0.25
Bi [µg/g]	0.24	< 0.09	< 0.09
Ca [µg/g]	11000	82000	160000
Cd [µg/g]	0.06	0.25	0.19
Co [µg/g]	16	40	38
Cr [µg/g]	110	72	47
Cu [µg/g]	54	110	95
Fe [µg/g]	90000	79000	62000
K [µg/g]	13000	750	1500
Li [µg/g]	42	67	50
Mg [µg/g]	18000	23000	17000
Mn [µg/g]	320	2100	3200
Mo [µg/g]	1.1	0.1	0.2
Ni [µg/g]	67	100	78
Pb [µg/g]	8	3	4
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.4	0.4
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	120	100	97
Ti [µg/g]	2300	4900	3700
Tl [µg/g]	0.30	0.03	0.06
U [µg/g]	1.76	0.13	0.11
V [µg/g]	94	220	160
Y [µg/g]	8.90	15.3	14.6
Zn [µg/g]	84	180	79

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003373634

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Project : PO#1254179

14-July-2023

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Date Rec. : 31 May 2023
LR Report: **CA19200-MAY23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM24119 4-CC1-450-11 1-MV	6: CAMLM24119 5-DP1-425-16 0-KSCWA	7: CAMLM24119 6-DP1-425-16 0-KSCWA
Sample Date & Time					11-May-23	05-May-23	05-May-23
Sample weight [g]	08-Jun-23	08:30	06-Jul-23	09:42	250	150	150
Volume D.I. Water [mL]	30-Jun-23	08:02	06-Jul-23	09:42	750	451	451
pH [no unit]	01-Jul-23	07:08	06-Jul-23	09:42	9.45	9.30	9.37
pH [No unit]	04-Jul-23	08:53	05-Jul-23	15:48	7.74	7.91	7.78
Conductivity [uS/cm]	04-Jul-23	08:53	05-Jul-23	15:48	135	174	162
Alkalinity [mg/L as CaCO3]	04-Jul-23	08:53	05-Jul-23	15:48	36	35	43
SO4 [mg/L]	06-Jul-23	11:16	06-Jul-23	13:37	9	4	3
Hg [mg/L]	06-Jul-23	11:07	12-Jul-23	15:33	< 0.00001	< 0.00001	0.00001
Ag [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.943	1.09	0.955
As [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.0631	0.0081	0.0120
Ba [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.00246	0.00283	0.00269
B [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.013	0.023	0.029
Be [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	9.57	11.0	8.74
Cd [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.000032	0.000021	0.000027
Cr [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.00014	< 0.00008	< 0.00008
Cu [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	< 0.007	< 0.007	0.034
K [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	12.0	9.92	11.2
Li [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.0011	0.0008	0.0012
Mg [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	2.44	1.22	1.68
Mn [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.00105	0.00045	0.00056
Mo [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.00152	0.00045	0.00036

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Project : PO#1254179

LR Report : **CA19200-MAY23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM24119 4-CC1-450-11 1-MV	6: CAMLM24119 5-DP1-425-16 0-KSCWA	7: CAMLM24119 6-DP1-425-16 0-KSCWA
Na [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	10.9	14.6	13.4
Ni [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.0001	< 0.0001	< 0.0001
Pb [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.0036	0.0012	0.0018
Se [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.00019	0.00005	0.00008
Si [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	1.74	1.23	1.47
Sn [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.0466	0.0897	0.0592
Ti [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.00015	< 0.00005	0.00015
Tl [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.000007	< 0.000005	0.000008
U [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.000457	0.000570	0.00239
V [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	0.00189	0.00050	0.00097
Zn [mg/L]	09-Jul-23	19:07	12-Jul-23	15:33	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM24119 7-DP1-250-15 0-KS	9: CAMLM24119 8-FW1-425-15 6-W-KS	10: CAMLM24119 9-FW1-175-18 5-KS	11: CAMLM24120 0-CC1-175-18 7-KS	12: CAMLM24119 4-CC1-450-11 1-MV	13:BLK: $D.I. Leachate Blank
Sample Date & Time	05-May-23	07-May-23	06-May-23	06-May-23		
Sample weight [g]	150	150	150	150	150	---
Volume D.I. Water [mL]	451	451	451	450	451	750
pH [no unit]	9.24	9.22	9.31	9.16	9.52	5.85
pH [No unit]	8.30	7.86	7.91	7.79	7.79	5.65
Conductivity [uS/cm]	297	225	153	171	111	< 2
Alkalinity [mg/L as CaCO3]	43	41	36	38	29	< 2
SO4 [mg/L]	4	4	3	3	< 2	< 2
Hg [mg/L]	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.692	0.862	0.901	0.769	0.732	0.002
As [mg/L]	0.0271	0.0054	0.0012	0.0013	0.0022	< 0.0002
Ba [mg/L]	0.00366	0.00380	0.00213	0.00119	0.00835	< 0.00008
B [mg/L]	0.188	0.029	0.022	0.087	0.089	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	13.2	12.2	11.7	13.9	7.91	0.02
Cd [mg/L]	0.000021	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000329	0.000022	0.000013	0.000014	0.000064	< 0.000004
Cr [mg/L]	0.00016	< 0.00008	0.00008	< 0.00008	0.00021	< 0.00008
Cu [mg/L]	0.0137	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0005
Fe [mg/L]	0.018	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	13.8	7.49	1.66	2.09	2.81	0.055

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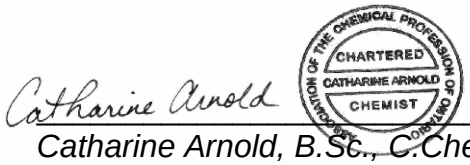
Project : PO#1254179

LR Report : **CA19200-MAY23**

Analysis	8: CAMLM241197-DP1-250-150-KS	9: CAMLM241198-FW1-425-156-W-KS	10: CAMLM241199-FW1-175-185-KS	11: CAMLM241200-CC1-175-187-KS	12: CAMLM241194-CC1-450-111-MV	13:BLK: $D.I. Leachate Blank
Li [mg/L]	0.0013	0.0006	0.0022	0.0331	0.0003	< 0.0001
Mg [mg/L]	4.02	2.49	1.83	2.20	1.48	0.001
Mn [mg/L]	0.00128	0.00050	0.00276	0.00590	0.00051	0.00009
Mo [mg/L]	0.00143	0.00187	0.00033	0.00117	0.00025	< 0.00004
Na [mg/L]	32.3	22.9	16.8	16.5	9.76	0.03
Ni [mg/L]	0.0002	< 0.0001	< 0.0001	< 0.0001	0.0002	0.0001
Pb [mg/L]	0.00079	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0046	< 0.0009	0.0022	0.0026	0.0012	< 0.0009
Se [mg/L]	0.00006	0.00008	< 0.00004	0.00008	< 0.00004	< 0.00004
Si [mg/L]	1.47	0.98	0.97	0.85	1.10	< 0.02
Sn [mg/L]	0.00017	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0910	0.100	0.0328	0.0423	0.0629	< 0.00008
Ti [mg/L]	0.00009	0.00008	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	0.000034	< 0.000005	< 0.000005	0.000009	0.000010	< 0.000005
U [mg/L]	0.000144	0.000042	0.000282	0.000015	0.00628	0.000003
V [mg/L]	0.00145	0.00031	0.00089	0.00047	0.00119	0.00001
Zn [mg/L]	0.010	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock TIR UG
Project : PO# 1254179

21-September-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
Canada, X0C 0A0
Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 19 July 2023
LR Report: **CA19127-JUL23**
Reference: Meliadine - PO# 1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26812 6-CC1-475-11 6-MV	6: CAMLM26712 7-RM1-475-11 6-KSC-WA	7: CAMLM26128 -DP1-350-111- MV
Sample Date & Time					9-Jun-23	18-Jun-23	18-Jun-23
Paste pH [no unit]	08-Aug-23	09:03	09-Aug-23	16:57	8.20	8.77	8.58
Fizz Rate [rating]	08-Aug-23	09:03	09-Aug-23	16:57	4	4	4
Sample weight [g]	08-Aug-23	09:03	09-Aug-23	16:57	2.16	2.02	2.13
HCl_add [mL]	09-Aug-23	07:12	09-Aug-23	16:57	160.00	160.00	160.00
HCl [Normality]	08-Aug-23	09:03	09-Aug-23	16:57	0.10	0.10	0.10
NaOH [Normality]	08-Aug-23	09:03	09-Aug-23	16:57	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Aug-23	09:10	09-Aug-23	16:57	60.00	49.84	64.30
Final pH [no unit]	09-Aug-23	09:10	09-Aug-23	16:57	1.59	1.67	1.57
NP [t CaCO3/1000 t]	09-Aug-23	09:10	09-Aug-23	16:57	232	273	225
AP [t CaCO3/1000 t]	15-Sep-23	14:42	15-Sep-23	14:43	8.44	9.06	1.25
Net NP [t CaCO3/1000 t]	15-Sep-23	14:42	15-Sep-23	14:43	223	264	223
NP/AP [ratio]	15-Sep-23	14:42	15-Sep-23	14:43	27.4	30.1	180
S [%]	16:02	16:02	15-Sep-23	14:42	0.341	0.299	0.032
Acid Leachable SO4-S [%]	15-Sep-23	14:42	15-Sep-23	14:42	0.07	< 0.04	< 0.04
Sulphide [%]	15-Sep-23	12:41	15-Sep-23	14:42	0.27	0.29	< 0.04
C [%]	16:02	16:02	15-Sep-23	14:42	3.34	3.97	3.50
CO3 (HCl) as %CO3 [%]	20-Sep-23	14:20	20-Sep-23	14:31	0.30	0.22	0.22

Analysis	8: CAMLM26129 -DP1-350-111- MV	9: CAMLM26130 -CC1-475-116- MV	10: CAMLM26131 -DP3-425-124 -KSC-WA	11: CAMLM26132- FW1-156-W-K SC-WA
Sample Date & Time	18-Jun-23	18-Jun-23	20-Jun-23	25-Jun-23
Paste pH [no unit]	8.83	7.94	8.76	9.35
Fizz Rate [rating]	4	4	4	2

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Works #: Waste Rock TIR UG
Project : PO# 1254179
LR Report : **CA19127-JUL23**

Analysis	8: CAMLM26129--DP1-350-111--MV	9: CAMLM26130--CC1-475-116-MV	10: CAMLM26131--DP3-425-124-KSC-WA	11: CAMLM26132--FW1-156-W-KSC-WA
Sample weight [g]	2.02	2.00	1.96	1.99
HCl_add [mL]	130.00	100.00	60.00	75.00
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	37.89	22.86	14.36	33.92
Final pH [no unit]	1.68	1.75	2.00	1.67
NP [t CaCO3/1000 t]	228	193	116	103
AP [t CaCO3/1000 t]	1.25	5.00	2.81	10.0
Net NP [t CaCO3/1000 t]	227	188	114	93.2
NP/AP [ratio]	182	38.6	41.4	10.3
S [%]	0.027	0.185	0.107	0.531
Acid Leachable SO4-S [%]	< 0.04	< 0.04	< 0.04	0.21
Sulphide [%]	< 0.04	0.16	0.09	0.32
C [%]	3.13	2.37	1.39	1.39
CO3 (HCl) as %CO3 [%]	0.21	0.19	0.23	0.23

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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mel Works #: Waste Rock TIR UG
Project : PO#1254179

06-November-2023

Date Rec. : 19 July 2023
LR Report: **CA19128-JUL23**
Reference: Meliadine - PO# 1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM268126-CC1-475-116-MV	6: CAMLM267127-RM1-475-116-KSC-WA	7: CAMLM26128-DP1-350-111-MV	8: CAMLM26129-DP1-350-111-MV	9: CAMLM26130-CC1-475-116-MV	10: CAMLM26131-DP3-425-124-KSC-WA	11: CAMLM26132-FW1-156-W-KSC-WA
Sample Date & Time					9-Jun-23	18-Jun-23	18-Jun-23	18-Jun-23	18-Jun-23	20-Jun-23	25-Jun-23
Ag [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	63000	64000	67000	69000	69000	71000	71000
As [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	22	22	29	21	8.9	14	100
Ba [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	97	110	150	160	99	61	1900
Be [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	0.26	0.40	0.25	0.23	0.29	0.38	2.6
Bi [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.28
Ca [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	83000	83000	89000	85000	70000	58000	26000
Cd [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	0.11	0.09	0.13	0.13	0.09	0.09	0.21
Co [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	51	59	47	47	47	47	27
Cr [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	130	140	120	110	140	65	82
Cu [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	160	120	140	76	130	100	56
Fe [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	68000	69000	66000	63000	76000	80000	59000
K [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	4200	6300	7300	7800	2200	2700	25000
Li [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	40	30	43	54	43	32	27
Mg [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	34000	30000	35000	36000	37000	31000	24000
Mn [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	1500	2000	1700	1700	1600	1500	570
Mo [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	1.1	1.0	1.0	0.7	0.8	0.9	2.4
Ni [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	120	110	130	140	110	63	120
Pb [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	3	3	4	4	3	11	46
Sb [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	0.9	< 0.8
Se [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	1.4	0.7	0.2	0.1	0.5	0.3	0.3

OnLine LIMS

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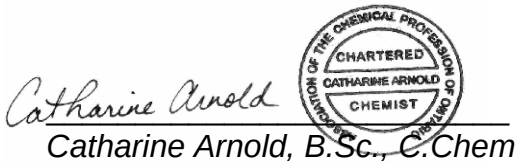
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19128-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM268126-C C1-475-116-MV	6: CAMLM267127-RM1-475-116-KSC-WA	7: CAMLM26128-D P1-350-111-MV	8: CAMLM26129-D P1-350-111-MV	9: CAMLM26130-C C1-475-116-MV	10: CAMLM26131-DP3-425-124-KSC-WA	11: CAMLM26132-FW1-156-W-KSC-WA
Sn [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	110	120	140	130	110	260	990
Ti [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	2700	2900	1300	470	3900	4900	3100
Tl [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	0.16	0.28	0.26	0.29	0.09	0.14	0.83
U [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	0.074	0.071	0.16	0.063	0.090	0.21	1.71
V [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	200	210	230	250	250	260	110
Y [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	7.9	7.0	8.2	8.6	12	19	14
Zn [µg/g]	27-Jul-23	04:22	28-Jul-23	13:09	66	68	85	78	82	85	74



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179

08-September-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 19 July 2023
LR Report: **CA19129-JUL23**
Reference: Meliadine - PO# 1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26812 6-CC1-475-11 6-MV	6: CAMLM26712 7-RM1-475-11 6-KSC-WA	7: CAMLM26128- DP1-350-111- MV
Sample Date & Time					9-Jun-23	18-Jun-23	18-Jun-23
Sample weight [g]	31-Jul-23	06:30	02-Aug-23	13:20	251	251	250
Volume D.I. Water [mL]	750	750	02-Aug-23	13:20	750	750	750
pH [no unit]	01-Aug-23	10:29	02-Aug-23	13:20	9.07	8.96	9.25
pH [No unit]	02-Aug-23	16:05	03-Aug-23	12:45	7.88	8.17	7.88
Conductivity [uS/cm]	02-Aug-23	16:05	03-Aug-23	12:45	326	248	170
Alkalinity [mg/L as CaCO3]	02-Aug-23	16:05	03-Aug-23	12:45	37	66	65
SO4 [mg/L]	02-Aug-23	15:56	02-Aug-23	16:28	8	4	4
Hg [mg/L]	04-Aug-23	09:37	04-Aug-23	12:54	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.450	0.494	0.626
As [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.0014	0.0009	0.0029
Ba [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.00506	0.00189	0.00150
B [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.638	0.242	0.108
Be [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.000008	< 0.000007	< 0.000007
Bi [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	14.6	12.8	10.2
Cd [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	23-Aug-23	11:46	14-Aug-23	16:06	0.000068	0.000008	0.000025
Cr [mg/L]	23-Aug-23	11:46	14-Aug-23	16:06	0.00043	< 0.00008	0.00015
Cu [mg/L]	23-Aug-23	11:46	14-Aug-23	16:06	< 0.0002	< 0.0002	0.0004
Fe [mg/L]	03-Sep-23	13:27	08-Sep-23	12:12	< 0.007	< 0.007	< 0.007
K [mg/L]	23-Aug-23	11:46	14-Aug-23	16:06	4.30	6.20	4.36
Li [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.0007	0.0023	0.0006
Mg [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	4.60	7.54	2.25
Mn [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.00275	0.00274	0.00125
Mo [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.00150	0.00080	0.00056

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19129-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26812 6-CC1-475-11 6-MV	6: CAMLM26712 7-RM1-475-11 6-KSC-WA	7: CAMLM26128- DP1-350-111- MV
Na [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	38.4	21.8	16.2
Ni [mg/L]	23-Aug-23	11:46	14-Aug-23	16:06	0.0005	< 0.0001	0.0011
Pb [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	< 0.0009	< 0.0009	< 0.0009
Se [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.00009	0.00011	0.00010
Si [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.98	1.20	1.04
Sn [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.00008	< 0.00006	0.00008
Sr [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.125	0.0389	0.0604
Ti [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.000007	0.000007	0.000008
U [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.000006	0.000005	< 0.000002
V [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	0.00057	0.00064	0.00103
Zn [mg/L]	03-Aug-23	11:57	14-Aug-23	16:06	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM26129- DP1-350-111- MV	9: CAMLM26130- CC1-475-116- MV	10: CAMLM26131- DP3-425-124- KSC-WA	11: CAMLM26132- FW1-156-W-K SC-WA	12: CAMLM26132- FW1-156-W-K SC-WA	13:BLK: $D.I. Leachate Blank
Sample Date & Time	18-Jun-23	18-Jun-23	20-Jun-23	25-Jun-23		
Sample weight [g]	250	251	251	251	251	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.19	9.17	9.41	9.48	9.45	5.89
pH [No unit]	7.92	8.39	8.30	8.32	8.22	5.95
Conductivity [uS/cm]	144	177	204	154	176	< 2
Alkalinity [mg/L as CaCO3]	37	33	36	48	51	< 2
SO4 [mg/L]	2	< 2	< 2	2	3	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.676	0.792	0.637	0.814	0.783	0.011
As [mg/L]	0.0015	0.0010	0.0008	0.0387	0.0425	0.0004
Ba [mg/L]	0.00141	0.00160	0.00504	0.00595	0.00689	0.00024
B [mg/L]	0.050	0.064	0.171	0.204	0.271	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	9.78	12.4	9.04	8.47	8.57	0.05
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000019	0.000062	0.000061	0.000195	0.000231	0.000013
Cr [mg/L]	< 0.00008	0.00018	< 0.00008	0.00008	0.00009	0.00009
Cu [mg/L]	< 0.0002	0.0003	< 0.0002	< 0.0002	0.0004	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	5.40	1.74	6.26	10.8	13.0	0.026

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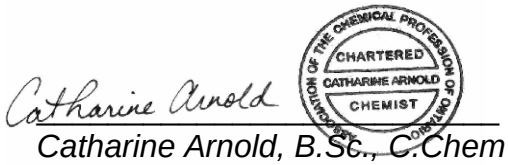
mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19129-JUL23**

Analysis	8: CAMLM26129-DP1-350-111-MV	9: CAMLM26130-CC1-475-116-MV	10: CAMLM26131-DP3-425-124-KSC-WA	11: CAMLM26132-FW1-156-W-KSC-WA	12: CAMLM26132-FW1-156-W-KSC-WA	13:BLK: $D.I. Leachate Blank
Li [mg/L]	0.0008	0.0003	0.0008	0.0008	0.0009	< 0.0001
Mg [mg/L]	2.21	1.45	1.27	1.50	1.60	< 0.001
Mn [mg/L]	0.00075	0.00162	0.00060	0.00082	0.00064	0.01295
Mo [mg/L]	0.00087	0.00060	0.00039	0.00127	0.00160	0.00036
Na [mg/L]	11.4	11.0	19.8	13.5	16.5	0.10
Ni [mg/L]	< 0.0001	0.0050	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00009	0.00012	0.00011
Sb [mg/L]	< 0.0009	0.0011	0.0040	0.0028	0.0039	< 0.0009
Se [mg/L]	0.00008	0.00005	0.00025	0.00018	0.00021	< 0.00004
Si [mg/L]	1.03	0.79	1.40	1.56	1.67	< 0.02
Sn [mg/L]	0.00009	0.00010	0.00006	0.00007	0.00009	0.00027
Sr [mg/L]	0.0626	0.0740	0.115	0.116	0.126	0.00030
Ti [mg/L]	< 0.00007	0.00008	0.00008	0.00027	0.00017	< 0.00007
Tl [mg/L]	0.000010	0.000021	0.000029	0.000011	0.000013	< 0.000005
U [mg/L]	0.000004	< 0.000002	0.000005	0.000027	0.000033	0.000002
V [mg/L]	0.00088	0.00078	0.00250	0.00225	0.00231	0.00004
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.005	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock UG TIR
Project : PO#1254179

04-October-2023

Agnico Eagle Mines Limited
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Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 23 August 2023
LR Report: **CA19250-AUG23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26813 3-DP1-400-15 1-KSC-WA	6: CAMLM26813 4-FW1-400-15 5-KSC-WA	7: CAMLM26813 5-SU1-550-10 0-MV
Sample Date & Time					07-Jul-23	12-Jul-23	10-Jul-23
Sample weight [g]	14-Sep-23	12:45	22-Sep-23	16:39	250	250	250
Volume D.I. Water [mL]	14-Sep-23	12:45	22-Sep-23	16:39	750	750	750
pH [no unit]	14-Sep-23	12:45	22-Sep-23	16:39	9.08	9.04	9.12
pH [No unit]	22-Sep-23	10:50	25-Sep-23	11:52	7.95	8.17	7.72
Conductivity [uS/cm]	22-Sep-23	10:50	25-Sep-23	11:52	310	578	387
Alkalinity [mg/L as CaCO3]	22-Sep-23	10:50	25-Sep-23	11:52	59	36	32
SO4 [mg/L]	02-Oct-23	13:24	02-Oct-23	15:11	6	12	10
Hg [mg/L]	29-Sep-23	16:48	03-Oct-23	16:52	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.739	1.03	0.671
As [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.0278	0.0018	0.0019
Ba [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.0132	0.00605	0.00238
B [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.094	0.245	0.153
Be [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.000008	0.000007	< 0.000007
Bi [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	11.0	13.6	18.2
Cd [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.000003	0.000004	< 0.000003
Co [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.000088	0.000235	0.000075
Cr [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00012	0.00019	0.00010
Cu [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.008	< 0.007	< 0.007
K [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	23.9	45.6	16.2
Li [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.0061	0.0008	0.0014
Mg [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	3.11	1.35	2.95
Mn [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00186	0.00068	0.00324
Mo [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00105	0.00136	0.00052

OnLine LIMS
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mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19250-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26813 3-DP1-400-15 1-KSC-WA	6: CAMLM26813 4-FW1-400-15 5-KSC-WA	7: CAMLM26813 5-SU1-550-10 0-MV
Na [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	31.5	64.7	37.9
Ni [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.0002	0.0002	< 0.0001
Pb [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.0017	0.0040	0.0010
Se [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00034	0.00020	0.00013
Si [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	1.75	1.20	0.95
Sn [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.00006	0.00010	0.00007
Sr [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.132	0.138	0.0631
Ti [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00027	0.00012	0.00007
Tl [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.000026	0.000024	0.000028
U [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.000087	0.000038	0.000014
V [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00106	0.00043	0.00074
Zn [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM28969 0-TT1-075-169 -KSC-WA	9: CAMLM28969 1-LA1-075-169 -KSC-WA	10: CAMLM28969 2-FW1-200-18 7-MV	11: CAMLM28969 3-FW1-200-18 7-MV
Sample Date & Time	04-Aug-23	04-Aug-23	04-Aug-23	04-Aug-23
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.02	8.95	9.08	9.10
pH [No unit]	7.97	8.11	7.79	7.98
Conductivity [uS/cm]	307	278	287	351
Alkalinity [mg/L as CaCO3]	52	52	37	33
SO4 [mg/L]	6	9	7	8
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.772	0.705	0.799	0.729
As [mg/L]	0.0139	0.0035	0.0031	0.0028
Ba [mg/L]	0.00458	0.00469	0.00404	0.00406
B [mg/L]	0.044	0.025	0.151	0.132
Be [mg/L]	0.000008	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	12.9	14.3	14.5	15.8
Cd [mg/L]	< 0.000003	0.000004	< 0.000003	0.000003
Co [mg/L]	0.000031	0.000013	0.000043	0.000050
Cr [mg/L]	0.00012	0.00009	0.00012	0.00011
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	0.027	< 0.007	< 0.007	< 0.007
K [mg/L]	17.1	12.9	5.34	4.33

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P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19250-AUG23**

Analysis	8: CAMLM28969 0-TT1-075-169 -KSC-WA	9: CAMLM28969 1-LA1-075-169 -KSC-WA	10: CAMLM28969 2-FW1-200-18 7-MV	11: CAMLM28969 3-FW1-200-18 7-MV
Li [mg/L]	0.0011	0.0011	0.0005	0.0006
Mg [mg/L]	2.64	2.90	2.30	2.68
Mn [mg/L]	0.00100	0.00134	0.00161	0.00159
Mo [mg/L]	0.00095	0.00122	0.00132	0.00096
Na [mg/L]	32.5	28.5	34.8	44.5
Ni [mg/L]	0.0001	0.0001	0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	< 0.0009	0.0015	0.0010
Se [mg/L]	0.00010	< 0.00004	0.00010	0.00011
Si [mg/L]	1.25	1.08	0.91	0.90
Sn [mg/L]	0.00010	0.00006	0.00007	0.00008
Sr [mg/L]	0.0826	0.116	0.133	0.155
Ti [mg/L]	0.00039	0.00010	< 0.00007	0.00009
Tl [mg/L]	0.000019	< 0.000005	0.000016	0.000014
U [mg/L]	0.000017	0.000016	0.000007	0.000009
V [mg/L]	0.00034	0.00021	0.00051	0.00047
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003488823

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mel
Works #: Waste Rock UG TIR
Project : PO#1254179

23-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 23 August 2023
LR Report: **CA19248-AUG23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26813 3-DP1-400-151 -KSC-WA	6: CAMLM26813 4-FW1-400-15 5-KSC-WA	7: CAMLM26813 5-SU1-550-100 -MV
Sample Date & Time					7-Jul-23	12-Jul-23	10-Jul-23
Paste pH [no unit]	18-Sep-23	09:15	21-Sep-23	10:20	9.37	8.77	8.71
Fizz Rate [rating]	18-Sep-23	09:15	21-Sep-23	10:20	2	3	4
Sample weight [g]	18-Sep-23	09:15	21-Sep-23	10:20	2.17	2.06	2.09
HCl_add [mL]	19-Sep-23	07:14	21-Sep-23	10:20	40.00	29.00	110.00
HCl [Normality]	18-Sep-23	09:15	21-Sep-23	10:20	0.10	0.10	0.10
NaOH [Normality]	18-Sep-23	09:15	21-Sep-23	10:20	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Sep-23	08:32	21-Sep-23	10:20	16.53	17.17	37.36
Final pH [no unit]	19-Sep-23	08:32	21-Sep-23	10:20	1.89	1.57	1.53
NP [t CaCO3/1000 t]	19-Sep-23	08:32	21-Sep-23	10:20	54.1	28.7	174
AP [t CaCO3/1000 t]	03-Oct-23	16:15	03-Oct-23	16:15	2.81	1.25	3.44
Net NP [t CaCO3/1000 t]	03-Oct-23	16:15	03-Oct-23	16:15	51.3	27.4	170
NP/AP [ratio]	03-Oct-23	16:15	03-Oct-23	16:15	19.2	23.0	50.6
S [%]	03-Oct-23	08:01	03-Oct-23	16:15	0.145	0.059	0.126
Acid Leachable SO4-S [%]	03-Oct-23	16:15	03-Oct-23	16:15	0.06	< 0.04	< 0.04
Sulphide [%]	03-Oct-23	13:55	03-Oct-23	16:15	0.09	0.04	0.11
C [%]	03-Oct-23	08:01	03-Oct-23	16:15	0.797	0.332	2.60
CO3 (HCl) as %CO3 [%]	04-Oct-23	11:36	20-Oct-23	17:21	3.89	1.59	12.9

Analysis	8: CAMLM28969 0-TT1-075-169 -KSC-WA	9: CAMLM28969 1-LA1-075-169 -KSC-WA	10: CAMLM28969 2-FW1-200-18 7-MV	11: CAMLM28969 3-FW1-200-18 7-MV
Sample Date & Time	4-Aug-23	4-Aug-23	4-Aug-23	4-Aug-23
Paste pH [no unit]	8.88	8.90	8.47	8.46
Fizz Rate [rating]	3	3	2	2
Sample weight [g]	2.04	1.96	2.07	1.99
HCl_add [mL]	40.00	40.00	81.00	80.00

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19248-AUG23**

Analysis	8: CAMLM28969 0-TT1-075-169 -KSC-WA	9: CAMLM28969 1-LA1-075-169 -KSC-WA	10: CAMLM28969 2-FW1-200-18 7-MV	11: CAMLM28969 3-FW1-200-18 7-MV
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	20.96	23.80	27.47	31.89
Final pH [no unit]	1.65	1.59	1.68	1.59
NP [t CaCO3/1000 t]	46.7	41.3	129	121
AP [t CaCO3/1000 t]	1.56	2.50	5.62	1.88
Net NP [t CaCO3/1000 t]	45.1	38.8	124	119
NP/AP [ratio]	29.9	16.5	23.0	64.5
S [%]	0.070	0.103	0.214	0.103
Acid Leachable SO4-S [%]	< 0.04	< 0.04	< 0.04	0.04
Sulphide [%]	0.05	0.08	0.18	0.06
C [%]	0.615	0.547	1.48	1.40
CO3 (HCl) as %CO3 [%]	2.89	2.62	7.28	6.92

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00035088

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock TIR UG
Project : PO#1254179

25-September-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 23 August 2023
LR Report: **CA19249-AUG23**
Reference: Meliadine - PO#1254179192

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample Date & Time	Ag µg/g	Al µg/g	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca µg/g
1: Analysis Start Date		20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23
2: Analysis Start Time		08:00	08:00	08:00	08:00	08:00	08:00	08:00
3: Analysis Completed Date		24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23
4: Analysis Completed Time		22:20	22:20	22:20	22:20	22:20	22:20	22:20
5: CAMLM268133-DP1-400-151-KSC-WA	07-Jul-23	< 0.5	82000	250	1500	1.6	< 0.09	16000
6: CAMLM268134-FW1-400-155-KSC-WA	12-Jul-23	< 0.5	92000	13	640	1.2	< 0.09	15000
7: CAMLM268135-SU1-550-100-MV	10-Jul-23	< 0.5	73000	17	100	0.34	< 0.09	88000
8: CAMLM289690-TT1-075-169-KSC-WA	04-Aug-23	< 0.5	70000	120	640	1.3	< 0.09	16000
9: CAMLM289691-LA1-075-169-KSC-WA	04-Aug-23	< 0.5	81000	57	590	1.3	< 0.09	13000
10: CAMLM289692-FW1-200-187-MV	04-Aug-23	< 0.5	74000	54	290	1.2	< 0.09	48000
11: CAMLM289693-FW1-200-187-MV	04-Aug-23	< 0.5	69000	61	170	0.92	< 0.09	42000

Sample ID	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe µg/g	K µg/g	Li µg/g	Mg µg/g
1: Analysis Start Date	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23
2: Analysis Start Time	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00
3: Analysis Completed Date	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23
4: Analysis Completed Time	22:20	22:20	22:20	22:20	22:20	22:20	22:20	22:20
5: CAMLM268133-DP1-400-151-KSC-WA	0.18	11	15	19	47000	23000	32	8500
6: CAMLM268134-FW1-400-155-KSC-WA	0.06	10	13	19	72000	18000	40	9300
7: CAMLM268135-SU1-550-100-MV	0.11	44	80	100	66000	2400	76	25000
8: CAMLM289690-TT1-075-169-KSC-WA	0.05	11	22	12	100000	17000	30	8600
9: CAMLM289691-LA1-075-169-KSC-WA	0.05	11	26	14	66000	16000	31	8200
10: CAMLM289692-FW1-200-187-MV	0.11	46	45	110	100000	5700	46	22000
11: CAMLM289693-FW1-200-187-MV	0.08	55	32	71	100000	3600	49	21000

Sample ID	Mn µg/g	Mo µg/g	Ni µg/g	Pb µg/g	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g
1: Analysis Start Date	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23
2: Analysis Start Time	08:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00
3: Analysis Completed Date	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23
4: Analysis Completed Time	22:20	22:20	22:20	22:20	22:20	22:20	22:20	22:20

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0003478133

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P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19249-AUG23**

Sample ID	Mn µg/g	Mo µg/g	Ni µg/g	Pb µg/g	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g
5: CAMLM268133-DP1-400-151-KSC-WA	330	1.0	25	12	< 0.8	0.2	< 6	440
6: CAMLM268134-FW1-400-155-KSC-WA	340	0.4	22	9	< 0.8	0.1	< 6	370
7: CAMLM268135-SU1-550-100-MV	1800	0.2	130	3	0.9	0.4	< 6	94
8: CAMLM289690-TT1-075-169-KSC-WA	300	0.9	32	7	< 0.8	0.1	< 6	220
9: CAMLM289691-LA1-075-169-KSC-WA	270	0.7	28	5	< 0.8	< 0.1	< 6	220
10: CAMLM289692-FW1-200-187-MV	1500	1.1	101	9	< 0.8	0.5	< 6	170
11: CAMLM289693-FW1-200-187-MV	1400	1.1	81	8	< 0.8	0.3	< 6	170

Sample ID	Ti µg/g	Tl µg/g	U µg/g	V µg/g	Y µg/g	Zn µg/g
1: Analysis Start Date	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23	20-Sep-23
2: Analysis Start Time	08:00	08:00	08:00	08:00	08:00	08:00
3: Analysis Completed Date	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23	24-Sep-23
4: Analysis Completed Time	22:20	22:20	22:20	22:20	22:20	22:20
5: CAMLM268133-DP1-400-151-KSC-WA	2400	0.60	1.38	49	5.5	64
6: CAMLM268134-FW1-400-155-KSC-WA	2500	0.34	1.26	48	7.7	76
7: CAMLM268135-SU1-550-100-MV	3000	0.11	0.091	210	14	77
8: CAMLM289690-TT1-075-169-KSC-WA	1800	0.43	1.10	49	6.0	62
9: CAMLM289691-LA1-075-169-KSC-WA	2500	0.31	1.15	51	5.0	69
10: CAMLM289692-FW1-200-187-MV	10000	0.21	1.53	170	19	140
11: CAMLM289693-FW1-200-187-MV	8700	0.13	1.34	160	17	130

Catharine Arnold

CHARTERED CHEMICAL PROFESSION OF ONTARIO CATHARINE ARNOLD CHEMIST ASSOCIATION

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock TIR UG
Project : PO#1254179

05-October-2023

Agnico Eagle Mines Limited
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Meliadine
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Fax:(819) 759-3663

Date Rec. : 15 September 2023
LR Report: **CA19087-SEP23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM262496 FW1-200-E-MV	6: CAMLM262497 CC1-475-116 MV	7: CAMLM262498 EXD-425-W MV
Sample Date & Time					05-Aug-23	06-Aug-23	11-Aug-23
Ag [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	< 0.5	< 0.5	< 0.5
Al [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	74000	54000	93000
As [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	30	140	35
Ba [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	110	190	990
Be [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	0.44	0.51	1.6
Bi [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	< 0.09	< 0.09	0.32
Ca [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	68000	68000	8800
Cd [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	0.08	0.19	0.12
Co [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	46	46	26
Cr [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	190	370	210
Cu [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	100	140	83
Fe [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	72000	79000	46000
K [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	4400	4900	24000
Li [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	72	38	50
Mg [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	27000	42000	16000
Mn [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	1400	1600	340
Mo [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	0.5	0.5	1.7
Ni [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	130	130	87
Pb [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	6	6	47
Sb [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	< 0.8	< 0.8	< 0.8
Se [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	0.4	0.2	0.4
Sn [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	< 6	< 6	< 6
Sr [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	130	110	320
Ti [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	3500	4100	4100

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0003490859

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19087-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM262496 FW1-200-E-MV	6: CAMLM262497 CC1-475-116 MV	7: CAMLM262498 EXD-425-W MV
Tl [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	0.16	0.19	0.55
U [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	0.10	0.24	2.4
V [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	230	210	130
Y [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	10	4.8	9.4
Zn [µg/g]	04-Oct-23	11:48	05-Oct-23	15:16	77	86	99

Analysis	8: CAMLM262499 VA1-525-0966 MV	9: CAMLM262500 VA1-525-0966 MV	10: CAMLM264053 DP1-425-150 KSC-WA+KSC-Lj	11: CAMLM264054 DP2-475-121 KSC-WA
Sample Date & Time	12-Aug-23	12-Aug-23	15-Aug-23	15-Aug-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	85000	73000	45000	82000
As [µg/g]	17	5.4	2.0	32
Ba [µg/g]	890	6	270	670
Be [µg/g]	1.4	0.35	1.0	1.5
Bi [µg/g]	0.18	< 0.09	0.34	< 0.09
Ca [µg/g]	14000	80000	19000	13000
Cd [µg/g]	0.09	0.08	0.06	0.06
Co [µg/g]	21	43	6.9	8.8
Cr [µg/g]	190	250	83	65
Cu [µg/g]	51	59	27	14
Fe [µg/g]	39000	72000	180000	62000
K [µg/g]	21000	200	5700	16000
Li [µg/g]	44	84	23	28
Mg [µg/g]	14000	30000	9700	9300
Mn [µg/g]	380	1800	300	230
Mo [µg/g]	1.4	0.2	0.6	0.8
Ni [µg/g]	70	130	15	21
Pb [µg/g]	21	5	10	9
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.2	0.3	< 0.1
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	340	95	320	270
Ti [µg/g]	3500	1900	1300	2100
Tl [µg/g]	0.46	< 0.02	0.13	0.33
U [µg/g]	2.3	0.062	0.87	1.4

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19087-SEP23**

Analysis	8: CAMLM262499 VA1-525-0966 MV	9: CAMLM262500 VA1-525-0966 MV	10: CAMLM264053 DP1-425-150 KSC-WA+KSC-Lj	11: CAMLM264054 DP2-475-121 KSC-WA
V [µg/g]	110	230	28	47
Y [µg/g]	9.5	15	5.0	5.7
Zn [µg/g]	78	79	48	61

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179

16-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 15 September 2023
LR Report: **CA19086-SEP23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26249 6 FW1-200-E-MV	6: CAMLM26249 7 CC1-475-116 MV	7: CAMLM26249 8 EXD-425-W MV
Sample Date & Time					05-Aug-23	06-Aug-23	11-Aug-23
Paste pH [no unit]	26-Sep-23	08:37	28-Sep-23	17:46	8.68	8.92	9.40
Fizz Rate [rating]	26-Sep-23	08:37	28-Sep-23	17:46	3	3	3
Sample weight [g]	25-Sep-23	08:37	28-Sep-23	17:46	2.00	2.01	2.01
HCl_add [mL]	27-Sep-23	06:30	28-Sep-23	17:46	118.70	169.60	20.00
HCl [Normality]	26-Sep-23	08:37	28-Sep-23	17:46	0.10	0.10	0.10
NaOH [Normality]	26-Sep-23	08:37	28-Sep-23	17:46	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	27-Sep-23	08:23	28-Sep-23	17:46	80.71	92.34	10.75
Final pH [no unit]	27-Sep-23	08:23	28-Sep-23	17:46	1.72	1.81	1.78
NP [t CaCO3/1000 t]	27-Sep-23	08:23	28-Sep-23	17:46	95.0	192	23.0
AP [t CaCO3/1000 t]	12-Oct-23	12:41	12-Oct-23	12:42	5.62	4.06	3.75
Net NP [t CaCO3/1000 t]	12-Oct-23	12:41	12-Oct-23	12:42	89.4	188	19.2
NP/AP [ratio]	12-Oct-23	12:41	12-Oct-23	12:42	16.9	47.3	6.13
S [%]	12-Oct-23	10:01	12-Oct-23	12:41	0.232	0.179	0.298
Acid Leachable SO4-S [%]	12-Oct-23	12:41	12-Oct-23	12:41	< 0.04	< 0.04	0.18
Sulphide [%]	12-Oct-23	12:31	12-Oct-23	12:41	0.18	0.13	0.12
C [%]	12-Oct-23	10:01	12-Oct-23	12:41	2.35	4.04	0.217
CO3 (HCl) as %CO3 [%]	13-Oct-23	09:29	13-Oct-23	16:11	11.6	20.0	0.99

Analysis	8: CAMLM26249 9 VA1-525-096 6 MV	9: CAMLM26250 0 VA1-525-096 6 MV	10: CAMLM26405 3 DP1-425-150 KSC-WA+KSC -Lj	11: CAMLM26405 4 DP2-475-121 KSC-WA
Sample Date & Time	12-Aug-23	12-Aug-23	15-Aug-23	15-Aug-23

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19086-SEP23**

Analysis	8: CAMLM26249 VA1-525-0966 MV	9: CAMLM26250 VA1-525-0966 MV	10: CAMLM26405 DP1-425-150 KSC-WA+KSC-Lj	11: CAMLM26405 DP2-475-121 KSC-WA
Paste pH [no unit]	9.08	8.30	9.10	9.17
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.02	2.01	2.01	1.99
HCl_add [mL]	27.30	86.40	43.90	35.60
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12.65	20.95	20.88	18.02
Final pH [no unit]	1.67	1.86	1.71	1.70
NP [t CaCO3/1000 t]	36.3	163	57.3	44.2
AP [t CaCO3/1000 t]	2.19	1.25	16.9	1.25
Net NP [t CaCO3/1000 t]	34.1	162	40.4	43.0
NP/AP [ratio]	16.6	130	3.40	35.4
S [%]	0.233	0.085	0.559	0.041
Acid Leachable SO4-S [%]	0.16	< 0.04	< 0.04	0.04
Sulphide [%]	0.07	0.04	0.54	< 0.04
C [%]	0.388	1.91	0.733	0.555
CO3 (HCl) as %CO3 [%]	1.84	9.47	3.52	2.68

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179

18-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 15 September 2023
LR Report: **CA19088-SEP23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM262496 FW1-200-E-MV	6: CAMLM262497 CC1-475-116 MV	7: CAMLM262498 EXD-425-W MV
Sample Date & Time					05-Aug-23	06-Aug-23	11-Aug-23
Sample weight [g]	06-Oct-23	12:57	13-Oct-23	10:09	250	250	250
Volume D.I. Water [mL]	06-Oct-23	12:57	13-Oct-23	10:09	750	750	750
pH [no unit]	06-Oct-23	12:57	13-Oct-23	10:09	8.75	8.99	9.65
pH [No unit]	12-Oct-23	16:36	17-Oct-23	15:49	7.75	7.78	8.06
Conductivity [uS/cm]	12-Oct-23	16:36	16-Oct-23	14:44	566	420	124
Alkalinity [mg/L as CaCO3]	12-Oct-23	16:36	16-Oct-23	14:44	38	67	41
SO4 [mg/L]	12-Oct-23	12:48	12-Oct-23	16:24	20	11	8
Hg [mg/L]	17-Oct-23	09:39	17-Oct-23	09:46	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.428	0.361	1.03
As [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.0042	0.0387	0.0150
Ba [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.00831	0.00680	0.00405
B [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.244	0.075	0.050
Be [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	23.2	18.7	8.01
Cd [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.000068	0.000050	0.000033
Cr [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.00017	< 0.00008	0.00021
Cu [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	< 0.0002	< 0.0002	0.0003
Fe [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.010	< 0.007	0.029
K [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	7.05	6.10	7.83
Li [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.0010	0.0011	0.0005
Mg [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	5.61	10.3	0.638
Mn [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.00398	0.00180	0.00047
Mo [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.00146	0.00058	0.00067

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19088-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM262496 FW1-200-E-MV	6: CAMLM262497 CC1-475-116 MV	7: CAMLM262498 EXD-425-W MV
Na [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	69.7	42.9	11.2
Ni [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.0002	0.0005	0.0002
Pb [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	< 0.00009	< 0.00009	0.00012
Sb [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.0011	0.0021	0.0036
Se [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.00015	0.00025	0.00010
Si [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.99	1.17	1.75
Sn [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	< 0.00006	< 0.00006	0.00011
Sr [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	1.49	0.112	1.06
Ti [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	< 0.00007	0.00012	0.00147
Tl [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.000014	0.000009	< 0.000005
U [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.000002	0.000004	0.000047
V [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	0.00052	0.00098	0.00542
Zn [mg/L]	13-Oct-23	19:00	17-Oct-23	09:46	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM262499 VA1-525-0966 MV	9: CAMLM262500 VA1-525-0966 MV	10: CAMLM264053 DP1-425-150 KSC-WA+KSC-Lj	11: CAMLM264054 DP2-475-121 KSC-WA
Sample Date & Time	12-Aug-23	12-Aug-23	15-Aug-23	15-Aug-23
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.65	9.14	9.28	9.24
pH [No unit]	8.03	7.47	7.86	7.92
Conductivity [uS/cm]	127	357	188	41
Alkalinity [mg/L as CaCO3]	30	22	43	48
SO4 [mg/L]	6	83	3	3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	1.32	0.589	0.694	0.984
As [mg/L]	0.0107	0.0010	0.0008	0.0034
Ba [mg/L]	0.00348	0.00282	0.00421	0.00423
B [mg/L]	0.082	0.071	0.066	0.053
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	9.38	35.6	12.0	11.3
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000072	0.000070	0.000016	0.000020
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	0.009	0.008	0.017	0.009

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19088-SEP23**

Analysis	8: CAMLM26249 VA1-525-0966 MV	9: CAMLM26250 VA1-525-0966 MV	10: CAMLM26405 DP1-425-150 KSC-WA+KSC-Lj	11: CAMLM26405 DP2-475-121 KSC-WA
K [mg/L]	8.63	1.03	5.46	12.0
Li [mg/L]	0.0006	0.0022	0.0009	0.0011
Mg [mg/L]	0.717	3.95	2.63	2.12
Mn [mg/L]	0.00062	0.0111	0.00199	0.00088
Mo [mg/L]	0.00071	0.00206	0.00032	0.00047
Na [mg/L]	12.1	22.6	18.5	20.0
Ni [mg/L]	0.0001	0.0002	< 0.0001	0.0001
Pb [mg/L]	0.00015	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0028	< 0.0009	0.0014	0.0022
Se [mg/L]	0.00007	< 0.00004	0.00008	0.00008
Si [mg/L]	1.76	1.11	1.24	1.27
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00008
Sr [mg/L]	0.717	0.840	0.193	0.0894
Ti [mg/L]	0.00012	< 0.00007	< 0.00007	0.00013
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000042
U [mg/L]	0.000065	0.000004	0.000007	0.000026
V [mg/L]	0.00452	0.00067	0.00012	0.00052
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179

23-November-2023

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Date Rec. : 11 October 2023
LR Report: **CA19128-OCT23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM23114-DP2-475-123-Ksc-wa	6: CAMLM23114-DP2-475-122-Ksc-wa	7: CAMLM23114-DP2-475-120-KMS
Sample Date & Time					15-Sep-23	15-Sep-23	15-Sep-23
Paste pH [no unit]	21-Nov-23	16:01	22-Nov-23	16:30	8.76	8.20	8.72
Fizz Rate [rating]	20-Nov-23	09:11	22-Nov-23	16:30	3	3	3
Sample weight [g]	17-Nov-23	13:32	22-Nov-23	16:30	2.00	2.02	1.99
HCl_add [mL]	21-Nov-23	08:26	22-Nov-23	16:30	58.90	68.90	67.70
HCl [Normality]	20-Nov-23	09:33	22-Nov-23	16:30	0.10	0.10	0.10
NaOH [Normality]	20-Nov-23	09:33	22-Nov-23	16:30	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Nov-23	16:19	22-Nov-23	16:30	32.79	39.82	30.19
Final pH [no unit]	21-Nov-23	09:30	22-Nov-23	16:30	1.67	1.96	1.75
NP [t CaCO3/1000 t]	21-Nov-23	16:19	22-Nov-23	16:30	65.3	72.0	94.2
AP [t CaCO3/1000 t]	14-Nov-23	11:28	22-Nov-23	16:31	2.19	20.9	4.69
Net NP [t CaCO3/1000 t]	14-Nov-23	11:28	22-Nov-23	16:31	63.1	51.1	89.5
NP/AP [ratio]	14-Nov-23	11:28	22-Nov-23	16:31	29.9	3.44	20.1
S [%]	14-Nov-23	11:28	15-Nov-23	11:15	0.208	0.810	0.114
Acid Leachable SO4-S [%]	15-Nov-23	11:15	15-Nov-23	11:15	0.14	0.14	< 0.04
Sulphide [%]	15-Nov-23	09:27	15-Nov-23	11:15	0.07	0.67	0.15
C [%]	14-Nov-23	11:28	15-Nov-23	11:15	0.947	1.33	1.20
CO3 (HCl) as %CO3 [%]	15-Nov-23	14:05	15-Nov-23	16:50	4.58	6.50	5.78
Weight [g]	09-Nov-23	---	09-Nov-23	---	3644	3193	3272
G_DRY_KG-DRY60_WT	09-Nov-23	---	09-Nov-23	---	0.64	0.19	0.27
G_CRU_KG-CRU75_WT	09-Nov-23	---	09-Nov-23	---	0.64	0.19	0.27

Analysis	8: CAMLM28114-3-RM-425-176-KS	9: CAMLM28114-4-RM-425-176-KM	10: CAMLM28114-5-DP1-325-114-MV	11: CAMLM28114-6-FW1-325-W-MV
Sample Date & Time	15-Sep-23	15-Sep-23	18-Sep-23	18-Sep-23
Paste pH [no unit]	8.98	8.89	8.76	8.68

OnLine LIMS

0003542839

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19128-OCT23**

Analysis	8: CAMLM28114 3-RM-425-176 -KS	9: CAMLM28114 4-RM-425-176 -KM	10: CAMLM28114 5-DP1-325-114 -MV	11: CAMLM28114 6-FW1-325-W- MV
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	1.99	2.02	2.00	2.02
HCl_add [mL]	71.50	60.40	123.80	131.60
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25.58	31.82	56.22	52.91
Final pH [no unit]	1.90	1.58	1.64	1.54
NP [t CaCO3/1000 t]	115	70.7	169	195
AP [t CaCO3/1000 t]	24.1	37.8	0.31	3.75
Net NP [t CaCO3/1000 t]	91.3	32.9	169	191
NP/AP [ratio]	4.80	1.87	540	51.9
S [%]	1.08	1.45	0.027	0.132
Acid Leachable SO4-S [%]	0.32	0.24	< 0.04	< 0.04
Sulphide [%]	0.77	1.21	0.01	0.12
C [%]	1.71	1.06	2.28	2.40
CO3 (HCl) as %CO3 [%]	8.37	4.86	11.3	11.8
Weight [g]	2895	3154	2081	2977
G_DRY_KG-DRY60_WT	<	0.15	<	<
G_CRU_KG-CRU75_WT	<	0.15	<	<

ABA - Modified Sobek

*NP (Neutralization Potential)
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

                        Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179

13-December-2023

Agnico Eagle Mines Limited
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Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 11 October 2023
LR Report: **CA19130-OCT23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM231140-DP2-475-123-Ksc-wa	6: CAMLM231141-DP2-475-122-Ksc-wa	7: CAMLM231142-DP2-475-120-KMS
Sample Date & Time					15-Sep-23	15-Sep-23	15-Sep-23
Sample weight [g]	04-Dec-23	10:20	06-Dec-23	14:45	250	250	251
Volume D.I. Water [mL]	04-Dec-23	10:20	06-Dec-23	14:45	750	750	750
pH [no unit]	04-Dec-23	10:20	06-Dec-23	14:45	9.11	8.39	9.25
pH [No unit]	06-Dec-23	14:13	11-Dec-23	10:03	7.98	7.99	7.99
Conductivity [uS/cm]	06-Dec-23	14:13	08-Dec-23	11:39	167	288	99
Alkalinity [mg/L as CaCO3]	06-Dec-23	14:13	08-Dec-23	11:39	46	93	36
SO4 [mg/L]	07-Dec-23	10:09	07-Dec-23	17:01	2	< 2	< 2
Hg (diss) [mg/L]	08-Dec-23	08:35	08-Dec-23	13:16	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	1.09	0.258	1.38
As (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	0.0046	0.0263	0.0014
Ba (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	0.00462	0.0315	0.00342
B (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	0.028	0.095	0.019
Be (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	0.000008	< 0.000007	< 0.000007
Bi (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	10.8	32.2	11.0
Cd (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	0.000068	0.000090	0.000008
Cr (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:42	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	< 0.0002	0.0002	< 0.0002
Fe (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.009	< 0.007	< 0.007
K (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	8.17	5.87	3.47
Li (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.0012	0.0020	0.0006
Mg (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	2.09	4.38	0.659
Mn (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.00130	0.00391	0.00071
Mo (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.00016	0.00024	0.00021
Na (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	13.1	8.63	4.28
Ni (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	< 0.0001	0.0001	< 0.0001
Pb (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.0026	< 0.0009	0.0009

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0003562416

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19130-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM231140-DP2-475-123-Ksc-wa	6: CAMLM231141-DP2-475-122-Ksc-wa	7: CAMLM231142-DP2-475-120-KMS
Se (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	< 0.00004	0.00005	0.00005
Si (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	1.23	0.84	0.92
Sn (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.110	0.422	0.277
Ti (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.000009	< 0.000005	< 0.000005
U (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.000014	0.000008	0.000005
W (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.00111	0.00019	0.00063
Y (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	0.00041	0.00003	0.00024
Zn (diss) [mg/L]	08-Dec-23	09:40	08-Dec-23	13:43	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM281143-RM-425-176-KS	9: CAMLM281144-RM-425-176-KM	10: CAMLM281145-DP1-325-114-MV	11: CAMLM281146-FW1-325-W-MV	12:BLK: $D.I. Leachate Blank
Sample Date & Time	15-Sep-23	15-Sep-23	18-Sep-23	18-Sep-23	
Sample weight [g]	251	251	250	252	---
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.51	9.41	9.23	9.38	5.75
pH [No unit]	7.94	7.88	8.27	9.13	5.93
Conductivity [uS/cm]	108	121	218	170	2
Alkalinity [mg/L as CaCO3]	35	36	34	30	< 2
SO4 [mg/L]	< 2	4	< 2	< 2	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	1.19	1.11	0.835	0.969	< 0.001
As (diss) [mg/L]	1.53	0.399	0.0036	0.0014	< 0.0002
Ba (diss) [mg/L]	0.00096	0.00107	0.00421	0.00613	< 0.00008
B (diss) [mg/L]	0.063	0.034	0.182	0.154	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	0.000008	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	6.79	6.82	12.3	9.28	0.02
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000162	0.000057	0.000081	0.000080	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00010	< 0.00008
Cu (diss) [mg/L]	< 0.0002	0.0005	< 0.0002	0.0007	0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	5.37	5.54	2.52	1.99	0.067
Li (diss) [mg/L]	0.0006	0.0005	0.0004	0.0004	< 0.0001
Mg (diss) [mg/L]	1.58	1.42	1.72	1.09	0.003
Mn (diss) [mg/L]	0.00048	0.00056	0.00075	0.00079	0.00014
Mo (diss) [mg/L]	0.00319	0.00188	0.00008	0.00017	0.00006
Na (diss) [mg/L]	9.11	11.1	20.3	17.2	0.02
Ni (diss) [mg/L]	0.0001	0.0001	< 0.0001	0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0035	0.0015	< 0.0009	< 0.0009	< 0.0009

OnLine LIMS

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Se (diss) [mg/L]	0.00010	0.00007	< 0.00004	0.00005	< 0.00004
Si (diss) [mg/L]	1.90	1.63	0.88	0.96	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0299	0.0334	0.0802	0.0446	0.00010
Ti (diss) [mg/L]	0.00016	0.00024	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	< 0.000005	< 0.000005	0.000019	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000136	0.000041	< 0.000002	0.000016	< 0.000002
W (diss) [mg/L]	0.00148	0.00081	0.00127	0.00148	< 0.00002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00349	0.00266	0.00076	0.00117	< 0.00001
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: Waste Rock TIR UG
Project : PO#1254179

13-December-2023

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Date Rec. : 11 October 2023
LR Report: **CA19129-OCT23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM231140-DP2-475-123-Ksc-wa	6: CAMLM231141-DP2-475-122-Ksc-wa	7: CAMLM231142-DP2-475-120-KMS
Sample Date & Time					15-Sep-23	15-Sep-23	15-Sep-23
Ag [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	< 0.5	0.6	< 0.5
Al [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	80000	64000	55000
As [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	35	5300	14
Ba [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	530	390	380
Be [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.93	1.2	1.4
Bi [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.11	0.97	0.11
Ca [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	21000	25000	38000
Cd [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.07	0.12	0.07
Co [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	12	8.8	6.8
Cr [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	16	19	16
Cu [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	46	33	10
Fe [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	63000	160000	130000
K [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	13000	5200	7200
Li [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	24	31	28
Mg [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	8700	10000	8300
Mn [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	350	260	480
Mo [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.5	0.7	0.7
Ni [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	22	20	16
Pb [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	11	11	9
Sb [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	< 0.8	< 0.8	< 0.8
Se [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.2	0.6	0.1
Sn [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	< 6	< 6	< 6
Sr [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	350	300	550
Ti [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	2500	1700	1700
Tl [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.28	0.20	0.12
U [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.91	1.1	0.71
V [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	46	41	37
Y [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	5.4	6.0	6.6
Zn [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	70	60	40

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mel
Works #: Waste Rock TIR UG
Project : PO#1254179
LR Report : **CA19129-OCT23**

Analysis	8: CAMLM281143-RM-425-176-KS	9: CAMLM281144-RM-425-176-KM	10: CAMLM281145-DP1-325-114-MV	11: CAMLM281146-FW1-325-W-MV
Sample Date & Time	15-Sep-23	15-Sep-23	18-Sep-23	18-Sep-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	93000	68000	72000	77000
As [µg/g]	20000	9900	13	7.2
Ba [µg/g]	490	430	21	77
Be [µg/g]	1.8	1.3	0.30	0.32
Bi [µg/g]	0.34	0.23	< 0.09	< 0.09
Ca [µg/g]	29000	18000	68000	72000
Cd [µg/g]	0.26	0.31	0.08	0.10
Co [µg/g]	19	20	47	50
Cr [µg/g]	92	61	120	96
Cu [µg/g]	21	67	44	127
Fe [µg/g]	37000	45000	85000	80000
K [µg/g]	22000	16000	1200	2200
Li [µg/g]	12	22	76	63
Mg [µg/g]	14000	14000	44000	32000
Mn [µg/g]	470	500	1500	1700
Mo [µg/g]	2.3	1.1	0.1	0.2
Ni [µg/g]	72	220	130	140
Pb [µg/g]	10	16	4	6
Sb [µg/g]	7.1	3.9	< 0.8	< 0.8
Se [µg/g]	1.1	0.7	0.2	0.4
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	210	120	130	100
Ti [µg/g]	1200	1300	1500	3100
Tl [µg/g]	0.66	0.72	0.05	0.10
U [µg/g]	1.6	1.2	0.070	0.089
V [µg/g]	99	73	230	240
Y [µg/g]	7.2	6.7	8.6	14
Zn [µg/g]	57	140	86	89

Catharine Arnold

CHARTERED CHEMICAL PROFESSION OF ONTARIO CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock Rock UG TIR
Project : PO#1254179

04-January-2024

Date Rec. : 20 December 2023
LR Report: **CA19114-DEC23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284478-DP2-350-147-Ksc-lj	6: CAMLM284479-DP2-350-147-Ksc-lj	7: CAMLM284480-DP2-350-147-Ksc-wa	8: CAMLM28448-LA1-575-099-MV	9: CAMLM284482-FW1-550-W-Ks	10: CAMLM284483-LE2-400-122-1260-Ksc-Wa	11: CAMLM284484-DP1-425-121-MG
Sample Date & Time					17-Oct-23	17-Oct-23	17-Oct-23	19-Oct-23	19-Oct-23	22-Oct-23	27-Oct-23
Silver [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aluminum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	61000	74000	43000	84000	77000	89000	65000
Arsenic [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	64	280	5.1	11	17	18	160
Barium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	140	760	220	140	48	460	480
Beryllium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.73	1.9	0.63	0.49	0.47	0.92	1.3
Bismuth [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.23	< 0.09	0.13	< 0.09	< 0.09	0.17	< 0.09
Calcium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	27000	11000	36000	80000	100000	31000	17000
Cadmium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.08	0.05	0.07	0.08	0.36	0.09	0.08
Cobalt [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	6.5	6.9	4.8	50	48	34	5.2
Chromium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	64	50	47	110	100	100	33
Copper [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	12	1.8	16	120	130	57	35
Iron [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	190000	160000	180000	69000	70000	57000	29000
Potassium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	4100	15000	5700	5900	5700	10000	18000
Lithium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	18	20	17	42	44	32	18
Magnesium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	12000	12000	7700	32000	25000	22000	4800
Manganese [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	380	270	390	1900	2000	800	180
Molybdenum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.9	0.7	2.0	0.4	0.4	1.0	2.1
Nickel [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	14	19	12	130	120	68	9.0
Lead [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	29	11	10	12	12	13	9

OnLine LIMS

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SGS Canada Inc.
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mel
Works #: Waste Rock Rock UG TIR
Project : PO#1254179
LR Report : **CA19114-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284478-DP2-350-147-Ksc-lj	6: CAMLM284479-DP2-350-147-Ksc-lj	7: CAMLM284480-DP2-350-147-Ksc-wa	8: CAMLM28448-LA1-575-099-MV	9: CAMLM284482-FW1-550-W-Ks	10: CAMLM284483-LE2-400-122-1260-Ksc-Wa	11: CAMLM284484-DP1-425-121-MG
Antimony [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	< 0.8	< 0.8	< 0.8	< 0.8	1.4	< 0.8	< 0.8
Selenium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.2	< 0.1	0.1	0.4	0.4	0.3	< 0.1
Tin [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Strontium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	170	160	360	100	150	220	280
Titanium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	2200	1600	900	3600	3900	4800	1800
Thallium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.14	0.42	0.12	0.22	0.20	0.25	0.31
Uranium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	1.02	1.31	0.73	0.11	0.059	0.98	0.55
Vanadium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	51	38	23	220	220	180	27
Yttrium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	5.7	5.9	5.2	6.6	13	12	2.3
Zinc [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	68	67	34	79	100	79	42

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8

Chris Sullivan

CHARTERED
Christopher Sullivan
CHEMIST

Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock Rock UG TIR
Project : PO#1254179
LR Report : **CA19114-DEC23**

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
**QCR_SubCategory* - QCBatchID: EMS0005-JAN24*														
Calcium	3	µg/g	<3			1		109			104			
Potassium	3	µg/g	<3			3		93			101			
Metals - Microwave/ICP-MS - QCBatchID: EMS0005-JAN24														
Aluminum	3	µg/g	<3			3	20	108	70	130	112	70	130	
Antimony	0.8	µg/g	<0.8			0	20	109	70	130	119	70	130	
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	97	70	130	
Barium	0.01	µg/g	<0.01			3	20	94	70	130	105	70	130	
Beryllium	0.02	µg/g	<0.02			8	20	105	70	130	103	70	130	
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130	
Cadmium	0.02	µg/g	<0.02			8	20	101	70	130	NV	70	130	
Chromium	0.5	µg/g	<0.5			1	20	105	70	130	NV	70	130	
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130	
Copper	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130	
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130	
Lead	0.05	µg/g	<0.05			7	20	102	70	130	112	70	130	
Lithium	2	µg/g	<2			3	20	90	70	130	117	70	130	
Magnesium	3	µg/g	<3			2	20	103	70	130	106	70	130	
Manganese	0.1	µg/g	<0.1			3	20	101	70	130	107	70	130	
Molybdenum	0.1	µg/g	<0.1			5	20	96	70	130	93	70	130	
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	111	70	130	
Selenium	0.1	µg/g	<0.1			13	20	100	70	130	NV	70	130	
Silver	0.5	µg/g	<0.01			19	20	106	70	130	NV	70	130	
Strontium	0.02	µg/g	<0.02			2	20	92	70	130	98	70	130	
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130	
Tin	6	µg/g	<6			ND	20	107	70	130	NV	70	130	
Titanium	0.1	µg/g	<0.1			2	20	106	70	130	81	70	130	
Uranium	0.002	µg/g	<0.002			4	20	99	70	130	98	70	130	
Vanadium	1	µg/g	<1			1	20	107	70	130	102	70	130	
Yttrium	0.004	µg/g	<0.004			2	20	92	70	130	NV	70	130	
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	99	70	130	

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mel
Works #: Waste Rock UG TIR
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 20 December 2023
LR Report: **CA19113-DEC23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284478-DP2-350-147-Ksc-lj	6: CAMLM284479-DP2-350-147-Ksc-lj	7: CAMLM284480-DP2-350-147-Ksc-wa
Sample Date & Time					17-Oct-23	17-Oct-23	17-Oct-23
Paste pH [no unit]	28-Dec-23	13:51	02-Jan-24	11:36	8.19	8.64	8.44
Fizz Rate [rating]	23-Dec-27	14:32	02-Jan-24	11:36	3	3	3
Sample weight [g]	27-Dec-23	09:26	05-Jan-24	11:26	2.01	1.99	2.00
HCl_add [mL]	28-Dec-23	14:56	05-Jan-24	11:26	67.70	45.20	56.30
HCl [Normality]	27-Dec-23	15:37	05-Jan-24	11:26	0.10	0.10	0.10
NaOH [Normality]	27-Dec-23	15:37	05-Jan-24	11:26	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28-Dec-23	13:10	05-Jan-24	11:26	37.09	30.38	21.86
Final pH [no unit]	28-Dec-23	16:07	05-Jan-24	11:26	1.63	1.64	1.96
NP [t CaCO3/1000 t]	28-Dec-23	13:10	05-Jan-24	11:26	76.1	37.2	86.1
AP [t CaCO3/1000 t]	10-Jan-24	12:10	10-Jan-24	12:11	5.94	1.25	3.75
Net NP [t CaCO3/1000 t]	10-Jan-24	12:10	10-Jan-24	12:11	70.2	36.0	82.4
NP/AP [ratio]	10-Jan-24	12:10	10-Jan-24	12:11	12.8	29.8	23.0
S [%]	05-Jan-24	06:20	10-Jan-24	12:10	0.255	0.074	0.158
Acid Leachable SO4-S [%]	10-Jan-24	12:09	10-Jan-24	12:10	0.06	< 0.04	< 0.04
Sulphide [%]	10-Jan-24	11:28	10-Jan-24	12:10	0.19	0.04	0.12
C [%]	05-Jan-24	06:20	08-Jan-24	13:51	1.20	0.653	1.16
CO3 (HCl) as %CO3 [%]	05-Jan-24	13:34	08-Jan-24	13:51	5.47	2.33	5.62

Analysis	8: CAMLM28448-LA1-575-099-MV	9: CAMLM284482-FW1-550-W-Ks	10: CAMLM284483-LE2-400-122-1260-Ksc-Wa	11: CAMLM284484-DP1-425-121-MG
Sample Date & Time	19-Oct-23	19-Oct-23	22-Oct-23	27-Oct-23
Paste pH [no unit]	8.59	8.62	9.51	9.14
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.11	2.08	2.07	1.92
HCl_add [mL]	146.80	152.80	31.20	33.20
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10

OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19113-DEC23**

Analysis	8: CAMLM28448-LA1-575-099-MV	9: CAMLM284482-FW1-550-W-Ks	10: CAMLM284483-LE2-400-122-1260-Ksc-Wa	11: CAMLM284484-DP1-425-121-MG
Vol NaOH to pH=8.3 [mL]	48.71	57.62	20.68	15.54
Final pH [no unit]	1.81	1.56	1.64	1.72
NP [t CaCO3/1000 t]	232	229	25.4	46.0
AP [t CaCO3/1000 t]	2.81	3.75	3.12	1.25
Net NP [t CaCO3/1000 t]	230	225	22.3	44.8
NP/AP [ratio]	82.6	61.0	8.13	36.8
S [%]	0.158	0.184	0.241	0.043
Acid Leachable SO4-S [%]	0.07	0.06	0.14	0.04
Sulphide [%]	0.09	0.12	0.10	< 0.04
C [%]	3.16	2.83	0.153	0.583
CO3 (HCl) as %CO3 [%]	15.7	14.0	0.63	2.81

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock UG TIR
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 20 December 2023
LR Report: **CA19115-DEC23**
Reference: PO#12254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284478-DP2-350-147-Ksc-lj	6: CAMLM284479-DP2-350-147-Ksc-lj	7: CAMLM284480-DP2-350-147-Ksc-wa
Sample Date & Time					17-Oct-23	17-Oct-23	17-Oct-23
Sample weight [g]	03-Jan-24	12:00	05-Jan-24	10:49	249	249	249
Volume D.I. Water [mL]	04-Jan-24	06:00	05-Jan-24	10:49	750	750	750
pH [no unit]	05-Jan-24	06:30	05-Jan-24	10:49	8.98	9.37	8.96
pH [No unit]	05-Jan-24	14:49	08-Jan-24	10:53	7.94	8.00	7.98
Conductivity [uS/cm]	05-Jan-24	14:49	08-Jan-24	10:53	122	128	260
Alkalinity [mg/L as CaCO3]	05-Jan-24	14:49	08-Jan-24	10:53	44	30	44
SO4 [mg/L]	08-Jan-24	13:28	08-Jan-24	16:57	3	3	5
Hg (diss) [mg/L]	08-Jan-24	15:13	09-Jan-24	11:47	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.993	1.03	0.753
As (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.0010	0.0091	0.0009
Ba (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.00989	0.00694	0.00966
B (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.020	0.032	0.068
Be (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	11.8	7.42	14.7
Cd (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.000003	0.000010	< 0.000003
Co (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.000011	0.000022	0.000034
Cr (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	5.50	6.01	5.41
Li (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.0005	0.0007	0.0011
Mg (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	1.13	0.761	2.51
Mn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.00057	0.00023	0.00120
Mo (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.00037	0.0245	0.00054
Na (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	5.85	10.6	22.9
Ni (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.0001	< 0.0001	0.0001
Pb (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.0009	0.0015	0.0014

OnLine LIMS

0003587139

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mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19115-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284478-DP2-350-147-Ksc-lj	6: CAMLM284479-DP2-350-147-Ksc-lj	7: CAMLM284480-DP2-350-147-Ksc-wa
Se (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.00004	< 0.00004	< 0.00004
Si (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.47	0.84	1.00
Sn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.106	0.0675	0.317
Ti (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.000005	< 0.000005	0.000005
U (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.000004	0.000004	0.000004
W (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	0.00059	0.00044	0.00060
Y (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:09	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM28448-LA1-575-099-MV	9: CAMLM284482-FW1-550-W-Ks	10: CAMLM284483-LE2-400-122-1260-Ksc-Wa	11: CAMLM284484-DP1-425-121-MG	12: CAMLM28448-LA1-575-099-MV
Sample Date & Time	19-Oct-23	19-Oct-23	22-Oct-23	27-Oct-23	
Sample weight [g]	249	250	250	252	251
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.15	8.88	9.50	9.41	9.14
pH [No unit]	8.00	7.78	8.14	8.16	8.09
Conductivity [uS/cm]	127	456	251	135	130
Alkalinity [mg/L as CaCO3]	34	34	26	35	42
SO4 [mg/L]	4	11	6	4	4
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.427	0.621	0.645	1.24	0.681
As (diss) [mg/L]	0.0017	0.0008	0.0094	0.0219	0.0008
Ba (diss) [mg/L]	0.00220	0.00196	0.00854	0.00201	0.00107
B (diss) [mg/L]	0.090	0.074	0.178	0.027	0.094
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	7.96	18.1	7.66	7.42	8.57
Cd (diss) [mg/L]	< 0.000003	0.000004	< 0.000003	< 0.000003	0.000004
Co (diss) [mg/L]	0.000065	0.000023	0.000108	0.000044	0.000059
Cr (diss) [mg/L]	< 0.00008	< 0.00008	0.00013	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	0.007	< 0.007	< 0.007
K (diss) [mg/L]	1.73	4.78	6.06	7.17	2.17
Li (diss) [mg/L]	0.141	0.0014	0.0014	0.0017	0.0020
Mg (diss) [mg/L]	2.47	3.50	0.896	0.907	2.95
Mn (diss) [mg/L]	0.00136	0.00413	0.00048	0.00057	0.00136
Mo (diss) [mg/L]	0.00300	0.0134	0.00074	0.00423	0.0258
Na (diss) [mg/L]	9.35	52.3	30.7	10.4	8.78
Ni (diss) [mg/L]	0.0002	0.0002	0.0001	0.0002	0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0427	0.0038	0.0039	0.0018	0.0032

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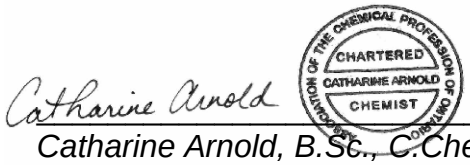
mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19115-DEC23**

Analysis	8: CAMLM28448-LA1-575-099-MV	9: CAMLM284482-FW1-550-W-Ks	10: CAMLM284483-LE2-400-122-1260-Ksc-Wa	11: CAMLM284484-DP1-425-121-MG	12: CAMLM28448-LA1-575-099-MV
Se (diss) [mg/L]	0.00008	0.00011	0.00015	0.00005	0.00004
Si (diss) [mg/L]	1.62	0.96	2.39	1.99	1.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0282	0.242	0.0858	0.0687	0.0255
Ti (diss) [mg/L]	< 0.00007	< 0.00007	0.00033	0.00013	< 0.00007
Tl (diss) [mg/L]	0.000008	0.000018	< 0.000005	0.000007	0.000008
U (diss) [mg/L]	0.000002	< 0.000002	0.000016	0.000078	0.000002
W (diss) [mg/L]	0.00100	0.00264	0.00195	0.00055	0.00143
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



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Project Specialist,
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Agnico Eagle Mines Limited
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Meliadine
, Nunavut
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mel
Works #: Waste Rock UG TIR
Project : PO#1254179

27-December-2023

Date Rec. : 30 November 2023
LR Report: **CA19249-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284487-DP2-475-120-KCsc-wa	6: CAMLM284488-CC1-450-109-Ksc-wa-Ksc-lj	7: CAMLM284489-CC1-325-112-MV	8: CAMLM284490-DP1-325-111-Kwa-S	9: CAMLM284493-475-112-MV	10: CAMLM284494-FW2-475-W-Ksc-wa-Ksclj	11: CAMLM284495-FW2-475-W-Ksc-wa-Ksc-lj	12: CAMLM284495-FW2-475-W-Ksc-wa-Ksc-lj
Sample Date & Time					11-Nov-23	11-Nov-23	11-Nov-23	11-Nov-23	18-Nov-23	18-Nov-23	18-Nov-23	
Sample weight [g]	18-Dec-23	08:41	19-Dec-23	13:20	248	250	251	250	249	250	248	---
Volume D.I. Water [mL]	18-Dec-23	08:41	19-Dec-23	13:20	750	750	750	750	750	750	750	---
pH [no unit]	18-Dec-23	08:41	19-Dec-23	13:20	9.00	8.68	8.91	9.33	9.14	9.20	9.26	---
pH [No unit]	19-Dec-23	16:22	20-Dec-23	11:04	7.99	7.96	7.93	7.88	7.98	8.05	7.98	---
Conductivity [uS/cm]	19-Dec-23	16:22	20-Dec-23	11:04	274	285	400	144	219	106	131	---
Alkalinity [mg/L as CaCO3]	19-Dec-23	16:22	20-Dec-23	11:04	55	72	50	33	50	44	38	---
SO4 [mg/L]	22-Dec-23	13:13	22-Dec-23	15:52	5	5	8	2	< 2	5	< 2	---
Hg (diss) [mg/L]	22-Dec-23	08:48	22-Dec-23	12:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	---
Ag (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	---
Al (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.887	0.559	0.526	0.932	1.24	0.346	1.21	---
As (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.0144	0.0026	0.0006	0.0012	0.0007	0.0142	0.0136	---
Ba (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.0104	0.0105	0.00489	0.00608	0.00112	0.0925	0.00339	---
B (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.090	0.054	0.096	0.089	0.026	0.032	0.072	---
Be (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	---
Bi (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	---
Ca (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	12.0	19.8	16.0	8.37	11.9	10.1	9.05	---
Cd (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	---
Co (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.000043	0.000022	0.000028	0.000027	0.000010	0.000031	0.000224	---
Cr (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	---
Cu (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0003	---

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19249-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284487-DP2-475-120-KCsc-wa	6: CAMLM284488-CC1-450-109-Ksc-wa-Kscl-lj	7: CAMLM284489-CC1-325-112-MV	8: CAMLM284490-DP1-325-111-Kwa-S	9: CAMLM284493-475-112-MV	10: CAMLM284494-FW2-475-W-Ksc-wa-Kscllj	11: CAMLM284495-FW2-475-W-Ksc-wa-Ksc-lj	12: CAMLM284495-FW2-475-W-Ksc-wa-Ksc-lj
Fe (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.008	---
K (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	16.3	10.8	4.27	2.01	0.550	11.2	4.48	---
Li (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.0042	0.0031	0.0019	0.0006	0.0007	0.0043	0.0010	---
Mg (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	2.54	4.14	5.83	1.19	0.650	3.75	0.773	---
Mn (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.00164	0.00248	0.00250	0.00062	0.00044	0.00209	0.00054	---
Mo (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.00069	0.00097	0.00063	0.00032	0.00061	0.00039	0.00042	---
Na (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	23.8	21.4	42.8	14.5	3.66	18.0	10.4	---
Ni (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.0002	0.0002	0.0001	0.0001	< 0.0001	0.0002	0.0001	---
Pb (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	---
Sb (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.0035	0.0025	< 0.0009	0.0014	< 0.0009	0.0022	0.0027	---
Se (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.00004	< 0.00004	< 0.00004	0.00006	< 0.00004	0.00005	0.00008	---
Si (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	1.36	1.06	1.10	0.96	0.66	1.27	1.25	---
Sn (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	---
Sr (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.157	0.199	0.270	0.0644	0.157	0.112	0.138	---
Ti (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.00007	< 0.00007	< 0.00007	< 0.00007	0.00011	< 0.00007	0.00011	---
Tl (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.000015	0.000006	0.000016	0.000005	< 0.000005	0.000006	< 0.000005	---
U (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.000006	0.000007	< 0.000002	< 0.000002	0.000004	0.000003	0.000009	---
W (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.00204	0.00057	0.00068	0.00108	0.00039	0.00143	0.00071	---
Y (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	---
V (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	0.00035	0.00008	0.00044	0.00108	0.00007	0.00082	0.00038	---
Zn (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:55	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	---

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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, Nunavut
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mel
Works #: Waste Rock UG TIR
Project : PO#1254179

09-January-2024

Date Rec. : 30 November 2023
LR Report: **CA19247-NOV23**
Reference: Meliadine - PO#1254179

Copy: #2

CERTIFICATE OF ANALYSIS
Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284487-DP2-475-120-Ksc-wa	6: CAMLM284488-C1-450-109-Ksc-wa-Ksc-lj	7: CAMLM284489-C1-325-112-MV
Sample Date & Time					11-Nov-23	11-Nov-23	11-Nov-23
Paste pH [no unit]	20-Dec-23	19:45	22-Dec-23	13:53	8.84	8.21	8.53
Fizz Rate [rating]	20-Dec-23	16:51	22-Dec-23	13:53	3	3	3
Sample weight [g]	20-Dec-23	17:04	22-Dec-23	13:53	2.15	1.96	2.04
HCl_add [mL]	21-Dec-23	15:12	22-Dec-23	13:53	57.80	80.80	119.70
HCl [Normality]	20-Dec-23	15:32	22-Dec-23	13:53	0.10	0.10	0.10
NaOH [Normality]	20-Dec-23	15:32	22-Dec-23	13:53	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-23	16:00	22-Dec-23	13:53	30.71	36.55	45.33
Final pH [no unit]	21-Dec-23	16:00	22-Dec-23	13:53	1.51	1.56	1.58
NP [t CaCO3/1000 t]	21-Dec-23	16:00	22-Dec-23	13:53	63.0	113	182
AP [t CaCO3/1000 t]	21-Dec-23	16:00	02-Jan-24	15:48	3.12	1.88	1.56
Net NP [t CaCO3/1000 t]	21-Dec-23	16:00	02-Jan-24	15:48	59.9	111	181
NP/AP [ratio]	21-Dec-23	16:00	02-Jan-24	15:48	20.2	60.2	117
S [%]	22-Dec-23	10:12	02-Jan-24	13:12	0.212	0.081	0.075

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00035385386

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mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19247-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284487-DP2-475-120-Ksc-wa	6: CAMLM284488-C1-450-109-Ksc-wa-Ksc-lj	7: CAMLM284489-C1-325-112-MV
Acid Leachable SO4-S [%]	02-Jan-24	12:26	02-Jan-24	13:12	0.11	< 0.04	< 0.04
Sulphide [%]	02-Jan-24	12:22	02-Jan-24	13:12	0.10	0.06	0.05
C [%]	22-Dec-23	10:12	28-Dec-23	16:57	0.950	1.88	2.68
CO3 (HCl) as %CO3 [%]	27-Dec-23	15:51	28-Dec-23	16:57	4.62	8.62	13.3

Analysis	8: CAMLM284490-DP1-325-111-Kwa-S	9: CAMLM284493-C1-475-112-MV	10: CAMLM284494-FW2-475-W-Ksc-wa-Ksclj	11: CAMLM284495-FW2-475-W-Ksc-wa-Ksc-lj
Sample Date & Time	11-Nov-23	18-Nov-23	18-Nov-23	18-Nov-23
Paste pH [no unit]	8.89	9.09	8.40	8.82
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	1.98	2.09	1.92	2.02
HCl_add [mL]	104.00	170.50	43.00	43.20
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25.82	70.14	19.88	18.33
Final pH [no unit]	1.76	1.56	1.84	1.75
NP [t CaCO3/1000 t]	197	240	60.2	61.6
AP [t CaCO3/1000 t]	2.50	5.31	4.06	5.62
Net NP [t CaCO3/1000 t]	195	235	56.1	56.0
NP/AP [ratio]	79.0	45.2	14.8	11.0
S [%]	0.114	0.266	0.186	0.256
Acid Leachable SO4-S [%]	< 0.04	0.10	0.06	0.08
Sulphide [%]	0.08	0.17	0.13	0.18

OnLine LIMS

00035853B6

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19247-NOV23**

Analysis	8: CAMLM284490-DP1-325-111-Kwa-S	9: CAMLM284493-CC1-475-112-MV	10: CAMLM284494-FW2-475-W-Ksc-wa-Ksclj	11: CAMLM284495-FW2-475-W-Ksc-wa-Ksc-lj
C [%]	2.47	3.14	0.770	0.791
CO3 (HCl) as %CO3 [%]	12.2	15.6	3.76	3.91

Reissued as original reporting attempt failed

ABA - Modified Sobek

*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

Works #: Waste Rock UG TIR
Project : PO#1254179

27-December-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 30 November 2023
LR Report: **CA19248-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284487-DP2-475-120-KCsc-wa	6: CAMLM284488-CC1-450-109-Ksc-wa-Ksc-lj	7: CAMLM284489-CC1-325-112-MV	8: CAMLM284490-DP1-325-111-Kwa-S	9: CAMLM284493-475-112-MV	10: CAMLM284494-FW2-475-W-Ksc-wa-Ksclj	11: CAMLM284495-FW2-475-W-Ksc-wa-Ksc-lj
Sample Date & Time					11-Nov-23	11-Nov-23	11-Nov-23	11-Nov-23	18-Nov-23	18-Nov-23	18-Nov-23
Ag [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	69000	41000	69000	74000	52000	31000	49000
As [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	120	22	4.2	11	80	32	35
Ba [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	750	280	230	170	1000	13	220
Be [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	1.4	0.81	0.48	0.37	1.1	0.24	0.55
Bi [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	0.12	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	19000	42000	59000	78000	63000	21000	23000
Cd [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	0.12	0.15	0.09	0.09	0.17	0.06	0.07
Co [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	11	4.8	43	50	48	4.5	6.9
Cr [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	17	14	108	140	130	17	13
Cu [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	49	6.9	47	130	220	12	21
Fe [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	56000	150000	67000	73000	78000	170000	160000
K [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	15000	2700	4900	2100	9200	270	6400
Li [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	29	13	53	66	35	28	19
Mg [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	8400	9600	30000	35000	33000	7600	6700
Mn [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	340	680	1500	1500	1800	320	320
Mo [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	0.7	0.5	< 0.1	0.1	0.8	1.2	0.9
Ni [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	26	14	130	140	110	14	16
Pb [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	15	5	4	7	12	4	7
Sb [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8

OnLine LIMS

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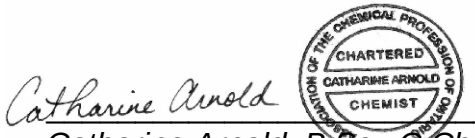
0003573790

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19248-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM284487-DP2-475-120-KCsc-wa	6: CAMLM284488-CC1-450-109-Ksc-wa-Ksc-lj	7: CAMLM284489-CC1-325-112-MV	8: CAMLM284490-DP1-325-111-Kwa-S	9: CAMLM284493-475-112-MV	10: CAMLM284494-FW2-475-W-Ksc-wa-Ksclj	11: CAMLM284495-FW2-475-W-Ksc-wa-Ksc-lj
Se [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	0.3	0.1	0.2	0.4	0.4	0.1	0.2
Sn [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	250	290	130	120	270	200	320
Ti [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	1800	1100	1500	2800	5300	900	1400
Tl [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	0.43	0.07	0.23	0.09	0.48	< 0.02	0.14
U [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	1.2	1.1	0.064	0.068	0.56	0.66	0.63
V [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	37	25	190	220	170	22	31
Y [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	5.6	11	3.3	10	11	5.1	5.2
Zn [µg/g]	22-Dec-23	12:21	22-Dec-23	12:44	82	46	86	87	97	39	52



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179

17-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 08 January 2024
LR Report: **CA19099-JAN24**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM314651 DP2-375-119-Kwa-S	6: CAMLM314652 DP2-375-119-Kwa-S	7: CAMLM314653 CC1-450-109-Nlj
Sample Date & Time					23-Dec-23	23-Dec-23	24-Dec-23
Sample weight [g]	11-Jan-24	06:06	12-Jan-24	11:16	250	250	249
Volume D.I. Water [mL]	11-Jan-24	07:04	12-Jan-24	11:16	751	749	748
pH [no unit]	12-Jan-24	06:30	12-Jan-24	11:16	9.00	9.21	8.07
pH [No unit]	12-Jan-24	15:09	15-Jan-24	11:50	8.24	8.02	8.01
Conductivity [uS/cm]	12-Jan-24	15:09	15-Jan-24	11:50	300	248	413
Alkalinity [mg/L as CaCO3]	12-Jan-24	15:09	15-Jan-24	11:50	47	37	110
SO4 [mg/L]	12-Jan-24	13:58	16-Jan-24	12:54	8	6	3
Hg (diss) [mg/L]	15-Jan-24	17:58	16-Jan-24	10:43	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.711	0.802	0.121
As (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.0591	0.0719	0.0006
Ba (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.00461	0.00334	0.0108
B (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.075	0.052	0.504
Be (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	12.4	9.47	36.5
Cd (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.000174	0.000110	0.000175
Cr (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.0002	< 0.0002	0.0002
Fe (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.007	< 0.007	0.008
K (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	11.2	9.34	7.27
Li (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.0012	0.0007	0.0009
Mg (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	3.39	2.36	6.19
Mn (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.00265	0.00059	0.00480
Mo (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.00149	0.00121	0.00097
Na (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	26.9	24.4	24.8
Ni (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.0003	0.0002	0.0003

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0003594402

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19099-JAN24**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM314651 DP2-375-119-Kwa-S	6: CAMLM314652 DP2-375-119-Kwa-S	7: CAMLM314653 CC1-450-109-Nlj
Pb (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.0044	0.0032	< 0.0009
Se (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.00006	0.00009	0.00012
Si (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	1.53	1.57	1.12
Sn (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.0906	0.0700	0.380
Ti (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.00024	0.00012	< 0.00007
Tl (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.000021	0.000010	< 0.000005
U (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.000062	0.000030	0.000009
W (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.00282	0.00109	0.00019
Y (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	0.00164	0.00227	0.00006
Zn (diss) [mg/L]	16-Jan-24	10:35	17-Jan-24	14:54	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM314654 CC1-475-109-Ksc-Wa	9: CAMLM314655 DP1-500-110-Mv	10: CAMLM314656 DP2-375-119-Kwa-S	11: CAMLM314657 DP1-400-151-Ksc-Wa
Sample Date & Time	24-Dec-23	24-Dec-23	25-Dec-23	26-Dec-23
Sample weight [g]	249	250	250	250
Volume D.I. Water [mL]	747	750	752	750
pH [no unit]	8.62	8.77	9.07	9.01
pH [No unit]	8.54	8.14	8.34	8.01
Conductivity [uS/cm]	478	287	268	356
Alkalinity [mg/L as CaCO3]	54	60	55	42
SO4 [mg/L]	8	9	5	11
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.515	0.598	0.852	0.724
As (diss) [mg/L]	0.0007	0.0263	0.0274	0.0391
Ba (diss) [mg/L]	0.0111	0.0323	0.00437	0.00279
B (diss) [mg/L]	0.247	0.139	0.086	0.031
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	23.2	15.6	11.5	13.4
Cd (diss) [mg/L]	< 0.000003	< 0.000003	0.000007	0.000078
Co (diss) [mg/L]	0.000200	0.000159	0.000115	0.000185
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	0.0009	< 0.0002	< 0.0002	0.0014
Fe (diss) [mg/L]	0.011	< 0.007	0.045	0.048
K (diss) [mg/L]	11.9	9.11	15.6	13.1
Li (diss) [mg/L]	0.0016	0.0026	0.0017	0.0008
Mg (diss) [mg/L]	3.80	5.26	3.18	3.34

OnLine LIMS

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19099-JAN24**

Analysis	8: CAMLM314654 CC1-475-109-Ksc-Wa	9: CAMLM314655 DP1-500-110-Mv	10: CAMLM314656 DP2-375-119-Kwa-S	11: CAMLM314657 DP1-400-151-Ksc-Wa
Mn (diss) [mg/L]	0.00157	0.00448	0.0263	0.00162
Mo (diss) [mg/L]	0.00416	0.00049	0.00094	0.210
Na (diss) [mg/L]	38.5	23.8	21.4	36.2
Ni (diss) [mg/L]	0.0001	0.0005	0.0002	0.0005
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00043
Sb (diss) [mg/L]	0.0028	0.0064	0.0068	0.0047
Se (diss) [mg/L]	0.00008	0.00017	0.00009	0.00008
Si (diss) [mg/L]	1.13	0.99	1.58	1.37
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00028
Sr (diss) [mg/L]	0.315	1.01	0.0704	0.0973
Ti (diss) [mg/L]	0.00015	< 0.00007	0.00026	0.00015
Tl (diss) [mg/L]	0.000044	0.000017	0.000029	0.000015
U (diss) [mg/L]	0.000015	0.000004	0.000301	0.000020
W (diss) [mg/L]	0.00185	0.00378	0.00186	0.00196
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00012	0.00056	0.00232	0.00112
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	0.005

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179

16-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 08 January 2024
LR Report: **CA19098-JAN24**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM314651 DP2-375-119-Kwa-S	6: CAMLM314652 DP2-375-119-Kwa-S	7: CAMLM314653 CC1-450-109-Klj	8: CAMLM314654 CC1-475-109-Ksc-Wa	9: CAMLM314655 DP1-500-110-Mv
Sample Date & Time					23-Dec-23	23-Dec-23	24-Dec-23	24-Dec-23	24-Dec-23
Ag [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	1.9	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	56000	79000	32000	73000	73000
As [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	110	150	7.7	8.0	300
Ba [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	430	630	44	440	320
Be [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	1.3	1.5	0.48	1.1	0.79
Bi [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	< 0.09	0.12	0.13	< 0.09	< 0.09
Ca [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	16000	12000	14000	18000	78000
Cd [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	0.18	0.14	0.11	0.06	0.13
Co [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	14	22	3.5	11	46
Cr [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	72	86	53	41	110
Cu [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	22	48	30	10.0	95
Fe [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	34000	38000	260000	88000	78000
K [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	15000	22000	1200	10000	16000
Li [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	18	24	9.1	39	38
Mg [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	11000	13000	9400	10000	20000
Mn [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	390	330	330	310	1700
Mo [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	6.4	3.8	2.0	1.8	0.7
Ni [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	54	71	9.0	28	106
Pb [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	10	13	6	10	14
Sb [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	< 0.8	< 0.8	< 0.8	< 0.8	1.5
Se [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	0.1	0.3	0.3	0.1	0.5
Sn [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	230	260	120	300	220
Ti [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	2600	3400	720	2200	4800
Tl [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	0.37	0.53	0.05	0.22	0.53
U [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	0.69	1.8	0.39	1.4	0.16
V [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	68	89	19	51	250
Y [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	3.5	6.2	3.9	5.4	8.7
Zn [µg/g]	15-Jan-24	18:25	16-Jan-24	12:32	54	73	54	66	110

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19098-JAN24**

Analysis	10: CAMLM314656 DP2-375-119-Kwa-S	11: CAMLM314657 DP1-400-151-Ksc-Wa
Sample Date & Time	25-Dec-23	26-Dec-23
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	69000	71000
As [µg/g]	40	600
Ba [µg/g]	610	580
Be [µg/g]	1.3	1.6
Bi [µg/g]	0.18	0.16
Ca [µg/g]	14000	10000
Cd [µg/g]	0.14	0.14
Co [µg/g]	23	26
Cr [µg/g]	72	93
Cu [µg/g]	57	56
Fe [µg/g]	41000	55000
K [µg/g]	19000	23000
Li [µg/g]	23	36
Mg [µg/g]	13000	16000
Mn [µg/g]	460	340
Mo [µg/g]	1.9	3.1
Ni [µg/g]	63	82
Pb [µg/g]	13	15
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	0.3	0.2
Sn [µg/g]	< 6	< 6
Sr [µg/g]	230	160
Ti [µg/g]	3100	4000
Tl [µg/g]	0.44	0.56
U [µg/g]	1.3	1.7
V [µg/g]	84	120
Y [µg/g]	5.1	5.1
Zn [µg/g]	71	91

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003592604

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mel
Works #: Waste Rock UG TIR
Project : PO#1254179

15-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 08 January 2024
LR Report: **CA19097-JAN24**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM314651 DP2-375-119-Kwa-S	6: CAMLM314652 DP2-375-119-Kwa-S	7: CAMLM314653 CC1-450-109-Nlj
Sample Date & Time					23-Dec-23	23-Dec-23	24-Dec-23
Paste pH [no unit]	12-Jan-24	09:57	12-Jan-24	15:45	9.01	9.04	8.00
Fizz Rate [rating]	11-Jan-24	07:40	12-Jan-24	15:45	3	2	3
Sample weight [g]	10-Jan-24	17:59	12-Jan-24	15:45	2.13	1.92	2.12
HCl_add [mL]	12-Jan-24	07:06	12-Jan-24	15:45	57.60	29.60	51.30
HCl [Normality]	10-Jan-24	08:33	12-Jan-24	15:45	0.10	0.10	0.10
NaOH [Normality]	10-Jan-24	08:33	12-Jan-24	15:45	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12-Jan-24	14:40	12-Jan-24	15:45	29.40	12.52	33.57
Final pH [no unit]	12-Jan-24	08:35	12-Jan-24	15:45	1.53	1.50	1.51
NP [t CaCO3/1000 t]	12-Jan-24	14:40	12-Jan-24	15:45	66.2	44.5	41.8
AP [t CaCO3/1000 t]	15-Jan-24	09:02	15-Jan-24	09:03	1.25	0.94	36.2
Net NP [t CaCO3/1000 t]	15-Jan-24	09:02	15-Jan-24	09:03	65.0	43.6	5.55
NP/AP [ratio]	15-Jan-24	09:02	15-Jan-24	09:03	53.0	47.5	1.15
S [%]	11-Jan-24	17:12	15-Jan-24	09:02	0.120	0.166	1.46
Acid Leachable SO4-S [%]	15-Jan-24	06:13	15-Jan-24	09:02	0.09	0.14	0.30
Sulphide [%]	15-Jan-24	06:09	15-Jan-24	09:02	< 0.04	0.03	1.16
C [%]	11-Jan-24	17:12	12-Jan-24	15:11	0.998	0.687	2.81
CO3 (HCl) as %CO3 [%]	12-Jan-24	14:22	12-Jan-24	15:11	4.84	3.33	13.3

Analysis	8: CAMLM314654 CC1-475-109-Ksc-Wa	9: CAMLM314655 DP1-500-110-Mv	10: CAMLM314656 DP2-375-119-Kwa-S	11: CAMLM314657 DP1-400-151-Ksc-Wa
Sample Date & Time	24-Dec-23	24-Dec-23	25-Dec-23	26-Dec-23
Paste pH [no unit]	8.33	8.35	8.99	8.63
Fizz Rate [rating]	3	3	3	2
Sample weight [g]	1.96	1.90	1.99	1.91
HCl_add [mL]	48.80	132.60	50.80	32.80

OnLine LIMS

0003591252

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : **CA19097-JAN24**

Analysis	8: CAMLM314654 CC1-475-109-Ksc-Wa	9: CAMLM314655 DP1-500-110-Mv	10: CAMLM314656 DP2-375-119-Kwa-S	11: CAMLM314657 DP1-400-151-Ksc-Wa
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28.79	28.06	27.36	16.96
Final pH [no unit]	1.75	1.73	1.65	1.55
NP [t CaCO3/1000 t]	51.0	275	58.9	41.5
AP [t CaCO3/1000 t]	1.25	2.50	2.19	1.25
Net NP [t CaCO3/1000 t]	49.8	273	56.7	40.2
NP/AP [ratio]	40.8	110	26.9	33.2
S [%]	0.043	0.158	0.307	0.120
Acid Leachable SO4-S [%]	< 0.04	0.08	0.24	0.08
Sulphide [%]	< 0.04	0.08	0.07	0.04
C [%]	0.704	3.68	0.873	0.673
CO3 (HCl) as %CO3 [%]	3.36	18.2	4.22	2.95

ABA - Modified Sobek

*NP (Neutralization Potential)
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

                        Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003591252

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Appendix B: TIR01 Waste Rock Laboratory Certificates of Analysis

SGS Canada Inc.
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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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mel

Project : PO#1124452

04-April-2023

Date Rec. : 07 March 2023
LR Report: **CA19037-MAR23**
Reference: Meliadine - PO#1124452

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000562 -TIR01B-1002 0MS11-Ksc-wa	6: ARDG-000558 -TIR01B-1002 0MS11-Ksc-wa	7: ARDG-000561 -TIR01B-1002 0MS11-Ksc-wa	8: ARDG-000560 -TIR01B-1002 0MS11-Ksc-s	9: ARDG-000559 -TIR01B-1002 0MS11-Ksc-wa
Sample Date & Time					2-Jan-23	2-Jan-23	2-Jan-23	2-Jan-23	2-Jan-23
Sample weight [g]	14-Mar-23	14-Mar-23	15-Mar-23	15:55	250	250	250	250	250
Volume D.I. Water [mL]	14-Mar-23	14-Mar-23	15-Mar-23	15:55	750	750	750	750	750
Final pH [no unit]	15-Mar-23	14:42	15-Mar-23	15:55	8.52	8.63	8.92	9.10	8.68
pH [No unit]	16-Mar-23	07:58	20-Mar-23	12:41	8.26	8.08	8.28	8.48	8.38
Conductivity [uS/cm]	16-Mar-23	07:58	20-Mar-23	12:41	368	310	229	205	240
Alkalinity [mg/L as CaCO3]	16-Mar-23	07:58	20-Mar-23	12:41	78	58	59	60	68
SO4 [mg/L]	17-Mar-23	10:48	21-Mar-23	11:32	27	47	13	9	24
Hg [mg/L]	17-Mar-23	07:35	18-Mar-23	10:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.418	0.461	0.706	0.808	0.678
As [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.0017	0.0233	0.0080	0.0117	0.0135
Ba [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.0158	0.00556	0.00288	0.00223	0.00536
B [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.028	0.018	0.017	0.015	0.016

OnLine LIMS

0003288737

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Phone: 705-652-2000 FAX: 705-652-6365

mel

Project : PO#1124452

LR Report : **CA19037-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000562 -TIR01B-1002 0MS11-Ksc-w a	6: ARDG-000558 -TIR01B-1002 0MS11-Ksc-w a	7: ARDG-000561 -TIR01B-1002 0MS11-Ksc-w a	8: ARDG-000560 -TIR01B-1002 0MS11-Ksc-s	9: ARDG-000559 -TIR01B-1002 0MS11-Ksc-w a
Be [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	19.7	18.0	9.30	8.02	11.6
Cd [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	< 0.000003	0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.000068	0.000024	0.000057	0.000014	0.000018
Cr [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.00231	< 0.00008	0.00285	0.00018	< 0.00008
Cu [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.0005	< 0.0002	0.0004	< 0.0002	< 0.0002
Fe [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	1.54	0.007	1.30	0.226	< 0.007
K [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	21.4	18.6	19.0	18.5	21.3
Li [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.0025	0.0021	0.0015	0.0014	0.0021
Mg [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	6.43	5.14	2.19	1.62	3.36
Mn [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.0125	0.00274	0.00934	0.00206	0.00182
Mo [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.0106	0.00774	0.00808	0.00720	0.00768
Na [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	33.2	25.3	23.9	21.9	20.9
Ni [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.0040	0.0001	0.0035	0.0003	0.0001
Pb [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	< 0.0009	0.0016	0.0036	0.0044	0.0009
Se [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.00030	0.00068	0.00027	0.00027	0.00028
Si [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	1.31	1.46	1.57	1.58	1.54
Sn [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.0111	0.0119	0.0112	0.0174	0.0106
Sr [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.164	0.109	0.0490	0.0411	0.0750
Ti [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	< 0.00005	< 0.00005	< 0.00005	0.00018	< 0.00005
Tl [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.000006	0.000006	0.000005	0.000005	0.000010
U [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.000168	0.000381	0.000181	0.000238	0.000243
W [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.00198	0.00297	0.00217	0.00230	0.00194
V [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	0.00022	0.00035	0.00076	0.00103	0.00066
Zn [mg/L]	21-Mar-23	12:14	29-Mar-23	10:03	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

OnLine LIMS

0003288737

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mel

Project : PO#1124452

LR Report : **CA19037-MAR23**

Analysis	10: ARDG-000563 -TIR01B-1002 0MS11-Ksc-s	11: ARDG-000564 -TIR01B-1002 0MS11-Ksc-s	12: ARDG-000565 -TIR01B-1002 0MS11-Ksc-s	13: ARDG-000566 -TIR01B-1002 0MS11-Ksc-s	14: ARDG-000567 -TIR01B-1002 0MS11-Ksc-s	15: ARDG-000568 -TIR01B-1002 0MS11-Ksc-s	16: ARDG-000569 -TIR01B-1002 0MS11-Ksc-s	17: ARDG-000569 $D.I. -TIR01B-1002 0MS11-Ksc-s	18:BLK: Leachate Blank
Sample Date & Time	4-Feb-23	4-Feb-23	4-Feb-23	4-Feb-23	4-Feb-23	4-Feb-23	4-Feb-23		
Sample weight [g]	250	250	250	250	249	249	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750
Final pH [no unit]	8.92	8.93	9.13	8.83	9.18	9.20	8.02	8.04	5.86
pH [No unit]	8.60	8.42	8.33	8.54	8.72	8.60	8.07	8.08	6.59
Conductivity [uS/cm]	285	297	192	265	194	179	7170	7220	4
Alkalinity [mg/L as CaCO3]	66	65	53	65	62	66	226	230	2
SO4 [mg/L]	32	44	23	35	12	5	11	17	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.628	0.593	0.744	0.616	0.897	0.880	0.173	0.156	< 0.001
As [mg/L]	0.0052	0.0050	0.0176	0.0599	0.188	0.154	0.124	0.114	< 0.0002
Ba [mg/L]	0.00368	0.00375	0.00251	0.00383	0.00475	0.00384	0.769	0.786	< 0.00008
B [mg/L]	0.012	0.012	0.009	0.012	0.012	0.014	0.049	0.047	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	13.9	15.4	10.2	13.4	8.46	7.28	88.4	88.2	0.01
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003	0.000009	0.000005	< 0.000003
Co [mg/L]	0.000082	0.000036	0.000026	0.000048	0.000029	0.000088	0.00172	0.00161	0.000006
Cr [mg/L]	0.00237	< 0.00008	< 0.00008	0.00032	< 0.00008	0.00309	0.00255	0.00134	0.00033
Cu [mg/L]	0.0005	0.0003	< 0.0002	0.0002	< 0.0002	0.0007	0.0050	0.0047	0.0002
Fe [mg/L]	1.06	< 0.007	< 0.007	0.196	0.014	1.78	1.53	0.437	0.124
K [mg/L]	24.1	24.5	16.6	26.6	22.0	24.2	51.7	45.9	0.068
Li [mg/L]	0.0016	0.0016	0.0014	0.0016	0.0016	0.0013	0.0103	0.0094	< 0.0001
Mg [mg/L]	5.73	6.06	3.15	5.16	2.97	2.46	19.9	18.2	0.002
Mn [mg/L]	0.00838	0.00205	0.00107	0.00257	0.00070	0.0114	0.0739	0.0602	0.00092
Mo [mg/L]	0.00673	0.00579	0.00795	0.00607	0.00526	0.00433	0.00513	0.00571	0.00007

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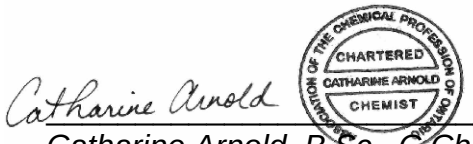
Project : PO#1124452

LR Report : **CA19037-MAR23**

Analysis	10: ARDG-000563 -TIR01B-1002 0MS11-Ksc-s	11: ARDG-000564 -TIR01B-1002 0MS11-Ksc-s	12: ARDG-000565 -TIR01B-1002 0MS11-Ksc-s	13: ARDG-000566 -TIR01B-1002 0MS11-Ksc-s	14: ARDG-000567 -TIR01B-1002 0MS11-Ksc-s	15: ARDG-000568 -TIR01B-1002 0MS11-Ksc-s	16: ARDG-000569 -TIR01B-1002 0MS11-Ksc-s	17: ARDG-000569 $D.I. -TIR01B-1002 0MS11-Ksc-s	18:BLK: Leachate Blank
Na [mg/L]	17.6	17.6	13.9	16.2	18.0	16.2	29.1	27.0	< 0.01
Ni [mg/L]	0.0025	< 0.0001	0.0002	0.0006	< 0.0001	0.0049	0.0132	0.0102	0.0003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0035	0.0035	0.0028	0.0091	0.0111	0.0098	0.0068	0.0065	< 0.0009
Se [mg/L]	0.00040	0.00047	0.00050	0.00104	0.00067	0.00030	0.00018	0.00016	< 0.00004
Si [mg/L]	1.60	1.64	1.66	1.65	1.90	1.63	1.46	1.44	< 0.02
Sn [mg/L]	0.0103	0.00951	0.0111	0.0116	0.0146	0.0130	0.0153	0.0129	0.0127
Sr [mg/L]	0.0836	0.0839	0.0553	0.0669	0.0428	0.0331	0.754	0.777	< 0.00008
Ti [mg/L]	0.00006	0.00010	< 0.00005	0.00017	0.00016	0.00020	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	0.000034	0.000034	0.000013	0.000034	< 0.000005	< 0.000005	0.000502	0.000535	< 0.000005
U [mg/L]	0.000220	0.000306	0.000314	0.000274	0.000947	0.000384	0.00123	0.000208	< 0.000002
W [mg/L]	0.00297	0.00232	0.00299	0.00444	0.00576	0.0414	0.00837	0.00756	< 0.00002
V [mg/L]	0.00176	0.00137	0.00179	0.00155	0.00447	0.00368	0.00043	0.00043	0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



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OnLine LIMS

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Project : PO#1124452

04-April-2023

Date Rec. : 07 March 2023
LR Report: **CA19035-MAR23**
Reference: PO#1124452

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000562 -TIR01B-1002 0MS11-Ksc-wa	6: ARDG-000558 -TIR01B-1002 0MS11-Ksc-wa	7: ARDG-000561 -TIR01B-1002 0MS11-Ksc-wa	8: ARDG-000560 -TIR01B-1002 0MS11-Ksc-s	9: ARDG-000559 -TIR01B-1002 0MS11-Ksc-wa	10: ARDG-000563 -TIR01B-1002 0MS11-Ksc-s
Sample Date & Time					2-Jan-23	2-Jan-23	2-Jan-23	2-Jan-23	2-Jan-23	4-Feb-23
Paste pH [no unit]	14-Mar-23	16:04	16-Mar-23	08:08	8.60	8.70	8.91	8.92	8.93	9.05
Fizz Rate [rating]	14-Mar-23	16:04	16-Mar-23	08:08	3	3	3	3	3	2
Sample weight [g]	14-Mar-23	16:04	16-Mar-23	08:08	2.15	1.99	2.06	2.07	2.01	1.95
HCl_add [mL]	14-Mar-23	16:04	16-Mar-23	08:08	70.00	55.00	55.00	55.00	55.00	50.00
HCl [Normality]	14-Mar-23	16:04	16-Mar-23	08:08	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	14-Mar-23	16:04	16-Mar-23	08:08	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Mar-23	16:08	16-Mar-23	08:08	36.67	26.22	27.78	27.73	26.11	25.19
Final pH [no unit]	15-Mar-23	16:08	16-Mar-23	08:08	1.59	1.61	1.57	1.53	1.66	1.50
NP [t CaCO3/1000 t]	15-Mar-23	16:08	16-Mar-23	08:08	77.5	72.3	66.1	65.9	71.9	63.6
AP [t CaCO3/1000 t]	30-Mar-23	12:23	30-Mar-23	12:23	6.56	7.50	3.75	3.12	3.75	6.56
Net NP [t CaCO3/1000 t]	30-Mar-23	12:23	30-Mar-23	12:23	70.9	64.8	62.4	62.8	68.2	57.0
NP/AP [ratio]	30-Mar-23	12:23	30-Mar-23	12:23	11.8	9.64	17.6	21.1	19.2	9.69
S [%]	28-Mar-23	09:06	30-Mar-23	12:23	0.256	0.299	0.159	0.137	0.150	0.265

OnLine LIMS

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Project : PO#1124452

LR Report : **CA19035-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000562 -TIR01B-1002 0MS11-Ksc-wa	6: ARDG-000558 -TIR01B-1002 0MS11-Ksc-wa	7: ARDG-000561 -TIR01B-1002 0MS11-Ksc-wa	8: ARDG-000560 -TIR01B-1002 0MS11-Ksc-s	9: ARDG-000559 -TIR01B-1002 0MS11-Ksc-wa	10: ARDG-000563 -TIR01B-1002 0MS11-Ksc-s
Acid Leachable SO4-S [%]	30-Mar-23	12:23	30-Mar-23	12:23	0.05	0.06	< 0.04	< 0.04	< 0.04	0.06
Sulphide [%]	29-Mar-23	16:48	30-Mar-23	12:23	0.21	0.24	0.12	0.10	0.12	0.21
C [%]	28-Mar-23	09:06	30-Mar-23	12:23	1.25	0.998	0.876	0.824	1.04	0.927
CO3 (HCl) [%]	30-Mar-23	09:46	30-Mar-23	12:23	5.90	4.53	3.90	3.78	4.79	4.05

Analysis	11: ARDG-000564 -TIR01B-1002 0MS11-Ksc-s	12: ARDG-000565 -TIR01B-1002 0MS11-Ksc-s	13: ARDG-000566 -TIR01B-1002 0MS11-Ksc-s	14: ARDG-000567 -TIR01B-1002 0MS11-Ksc-s	15: ARDG-000568 -TIR01B-1002 0MS11-Ksc-s	16: ARDG-000569 -TIR01B-1002 0MS11-Ksc-s
Sample Date & Time	4-Feb-23	4-Feb-23	4-Feb-23	4-Feb-23	4-Feb-23	4-Feb-23
Paste pH [no unit]	9.01	9.10	8.99	9.16	9.16	7.95
Fizz Rate [rating]	2	3	3	3	2	2
Sample weight [g]	2.08	2.02	2.03	2.12	2.08	2.16
HCl_add [mL]	45.00	55.00	55.00	35.00	45.00	46.90
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	24.71	28.38	24.21	15.85	25.23	25.87
Final pH [no unit]	1.57	1.51	1.68	1.82	1.54	1.50
NP [t CaCO3/1000 t]	48.8	65.9	75.8	45.2	47.5	48.7
AP [t CaCO3/1000 t]	6.56	4.06	4.69	3.44	2.81	1.88
Net NP [t CaCO3/1000 t]	42.2	61.8	71.1	41.8	44.7	46.8
NP/AP [ratio]	7.44	16.2	16.2	13.1	16.9	26.0
S [%]	0.256	0.183	0.219	0.204	0.132	0.131
Acid Leachable SO4-S [%]	0.05	0.05	0.07	0.09	0.04	0.07
Sulphide [%]	0.21	0.13	0.15	0.11	0.09	0.06
C [%]	0.928	0.862	1.06	0.689	0.671	0.670

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Project : PO#1124452

LR Report : **CA19035-MAR23**

Analysis	11: ARDG-000564 -TIR01B-1002 0MS11-Ksc-s	12: ARDG-000565 -TIR01B-1002 0MS11-Ksc-s	13: ARDG-000566 -TIR01B-1002 0MS11-Ksc-s	14: ARDG-000567 -TIR01B-1002 0MS11-Ksc-s	15: ARDG-000568 -TIR01B-1002 0MS11-Ksc-s	16: ARDG-000569 -TIR01B-1002 0MS11-Ksc-s
CO3 (HCl) [%]	4.07	3.92	4.79	2.98	2.90	2.85

ABA - Modified Sobek

*NP (Neutralization Potential)
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

                        Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

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Project : PO#1124452

27-March-2023

Date Rec. : 07 March 2023
LR Report: **CA19036-MAR23**
Reference: PO#1124452

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000562-T IR01B-10020MS 11-Ksc-wa	6: ARDG-000558-T IR01B-10020MS 11-Ksc-wa	7: ARDG-000561-T IR01B-10020MS 11-Ksc-wa	8: ARDG-000560-T IR01B-10020MS 11-Ksc-s	9: ARDG-000559-T IR01B-10020MS 11-Ksc-wa	10: ARDG-000563-T IR01B-10020MS 11-Ksc-s	11: ARDG-000564-T IR01B-10020MS 11-Ksc-s	12: ARDG-000565-T IR01B-10020MS 11-Ksc-s
Sample Date & Time					2-Jan-23	2-Jan-23	2-Jan-23	2-Jan-23	2-Jan-23	4-Feb-23	4-Feb-23	4-Feb-23
Ag [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	< 0.5	28	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	69000	70000	72000	68000	66000	57000	60000	60000
As [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	13	1000	16	16	32	14	13	19
Ba [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	1000	490	520	500	780	610	630	690
Be [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	1.4	1.2	1.2	1.1	1.4	1.2	1.2	1.3
Bi [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	< 0.09	0.21	0.13	0.09	0.10	0.18	0.18	0.25
Ca [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	24000	22000	24000	22000	20000	15000	15000	16000
Cd [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	0.05	0.05	0.04	0.03	0.03	0.05	0.04	0.06
Co [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	10	11	11	11	9.8	16	17	16
Cr [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	55	71	51	48	56	110	140	100
Cu [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	25	27	25	22	20	35	32	41
Fe [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	110000	67000	62000	55000	54000	34000	36000	36000
K [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	16000	15000	16000	15000	19000	20000	20000	19000
Li [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	27	29	33	32	27	25	27	33
Mg [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	9300	8200	7600	6600	7600	10000	11000	11000
Mn [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	440	350	350	300	310	270	290	310
Mo [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	1.1	1.1	1.0	0.9	1.0	1.1	1.3	1.6
Ni [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	24	27	25	24	25	54	57	51
Pb [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	7	13	7	6	7	6	7	36

OnLine LIMS

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Project : PO#1124452

LR Report : **CA19036-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000562-T IR01B-10020MS 11-Ksc-wa	6: ARDG-000558-T IR01B-10020MS 11-Ksc-wa	7: ARDG-000561-T IR01B-10020MS 11-Ksc-wa	8: ARDG-000560-T IR01B-10020MS 11-Ksc-s	9: ARDG-000559-T IR01B-10020MS 11-Ksc-wa	10: ARDG-000563-T IR01B-10020MS 11-Ksc-s	11: ARDG-000564-T IR01B-10020MS 11-Ksc-s	12: ARDG-000565-T IR01B-10020MS 11-Ksc-s
Sb [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	0.1	0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	0.1
Sn [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	320	230	280	270	260	300	290	310
Ti [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	2100	2300	2500	2400	2600	1600	1800	2100
Tl [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	0.29	0.24	0.23	0.23	0.30	0.45	0.44	0.42
U [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	0.78	1.18	0.54	0.59	0.43	0.72	0.53	0.67
V [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	45	53	49	45	50	76	81	82
Y [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	6.56	5.45	5.79	4.54	4.93	4.39	4.45	4.77
Zn [µg/g]	14-Mar-23	15:21	15-Mar-23	14:19	55	56	57	54	47	47	48	63

Analysis	13: ARDG-000566-T IR01B-10020MS 11-Ksc-s	14: ARDG-000567-T IR01B-10020MS 11-Ksc-s	15: ARDG-000568-T IR01B-10020MS 11-Ksc-s	16: ARDG-000569-T IR01B-10020MS 11-Ksc-s
Sample Date & Time	4-Feb-23	4-Feb-23	4-Feb-23	4-Feb-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	65000	67000	72000	62000
As [µg/g]	100	69	250	390
Ba [µg/g]	870	580	860	730
Be [µg/g]	1.4	1.1	1.5	1.3
Bi [µg/g]	0.30	0.20	0.23	0.21
Ca [µg/g]	18000	13000	11000	10000
Cd [µg/g]	0.08	0.04	0.03	0.05
Co [µg/g]	18	18	20	18
Cr [µg/g]	100	110	110	140
Cu [µg/g]	30	37	40	41
Fe [µg/g]	38000	33000	42000	38000
K [µg/g]	22000	17000	23000	20000
Li [µg/g]	33	27	40	36
Mg [µg/g]	13000	9400	14000	12000
Mn [µg/g]	370	210	220	220
Mo [µg/g]	1.4	1.4	1.7	1.8
Ni [µg/g]	57	55	72	62
Pb [µg/g]	13	9	10	10

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mel

Project : PO#1124452

LR Report : **CA19036-MAR23**

Analysis	13: ARDG-000566-T IR01B-10020MS 11-Ksc-s	14: ARDG-000567-T IR01B-10020MS 11-Ksc-s	15: ARDG-000568-T IR01B-10020MS 11-Ksc-s	16: ARDG-000569-T IR01B-10020MS 11-Ksc-s
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.1	0.1	0.2	0.1
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	340	290	240	250
Ti [µg/g]	2500	2400	2700	2400
Tl [µg/g]	0.46	0.33	0.44	0.36
U [µg/g]	1.32	0.99	1.38	1.19
V [µg/g]	86	77	100	91
Y [µg/g]	6.96	6.37	6.44	5.36
Zn [µg/g]	56	50	68	60

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

29-May-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 24 April 2023
LR Report: **CA19137-APR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000570-T IR01B-10020MS 13-Kwa-s	6: ARDG-000571-T IR01B-10020MS 13-Kwa-s	7: ARDG-000572-T IR01B-10020MS 13-Kwa-s
Sample Date & Time					06-Mar-23	06-Mar-23	06-Mar-23
Paste pH [no unit]	25-May-23	10:05	26-May-23	17:19	9.06	9.25	8.99
Fizz Rate [rating]	25-May-23	10:05	26-May-23	17:19	2	2	3
Sample weight [g]	25-May-23	10:05	26-May-23	17:19	2.09	2.05	2.08
HCl_add [mL]	26-May-23	08:10	26-May-23	17:19	30.00	45.00	40.00
HCl [Normality]	25-May-23	10:05	26-May-23	17:19	0.10	0.10	0.10
NaOH [Normality]	25-May-23	10:05	26-May-23	17:19	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	26-May-23	10:15	26-May-23	17:19	13.53	20.01	17.64
Final pH [no unit]	26-May-23	10:15	26-May-23	17:19	1.75	1.58	1.67
NP [t CaCO3/1000 t]	26-May-23	10:15	26-May-23	17:19	39.4	60.9	53.7
AP [t CaCO3/1000 t]	26-May-23	17:19	26-May-23	17:19	5.94	6.56	7.81
Net NP [t CaCO3/1000 t]	26-May-23	17:19	26-May-23	17:19	33.5	54.3	45.9
NP/AP [ratio]	26-May-23	17:19	26-May-23	17:19	6.64	9.28	6.87
S [%]	10-May-23	16:27	18-May-23	09:36	0.260	0.299	0.331
Acid Leachable SO4-S [%]	18-May-23	09:36	18-May-23	09:36	0.07	0.09	0.08
Sulphide [%]	11-May-23	14:45	18-May-23	09:36	0.19	0.21	0.25
C [%]	10-May-23	16:27	12-May-23	09:26	0.565	0.849	0.709
CO3 (HCl) as %CO3 [%]	10-May-23	09:38	12-May-23	09:26	2.39	3.83	3.22

Analysis	8: ARDG-000573-T IR01B-10020MS 13-Kwa-s	9: ARDG-000574-T IR01B-10020MS 13-Kwa-s	10: ARDG-000575-T IR01B-10020MS 13-Kwa-s	11: ARDG-000576-T IR01B-10020MS 13-Mv	12: ARDG-000577-T IR01B-10020MS 13-Mv	13: ARDG-000578-T IR01B-10020MS 13-Mv
Sample Date & Time	06-Mar-23	06-Mar-23	06-Mar-23	06-Mar-23	06-Mar-23	06-Mar-23
Paste pH [no unit]	9.19	9.29	8.99	8.85	9.00	8.76
Fizz Rate [rating]	2	2	2	4	4	4
Sample weight [g]	1.95	1.98	1.97	1.96	2.16	1.98
HCl_add [mL]	30.00	40.00	40.00	160.00	170.00	170.00

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Project : PO#1254179

LR Report : **CA19137-APR23**

Analysis	8: ARDG-000573-T IR01B-10020MS 13-Kwa-s	9: ARDG-000574-T IR01B-10020MS 13-Kwa-s	10: ARDG-000575-T IR01B-10020MS 13-Kwa-s	11: ARDG-000576-T IR01B-10020MS 13-Mv	12: ARDG-000577-T IR01B-10020MS 13-Mv	13: ARDG-000578-T IR01B-10020MS 13-Mv
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12.16	21.49	21.74	120	128	138
Final pH [no unit]	1.84	1.52	1.52	1.78	1.79	1.57
NP [t CaCO3/1000 t]	45.7	46.7	46.3	103	97.9	80.5
AP [t CaCO3/1000 t]	5.94	6.56	4.69	9.69	5.62	7.81
Net NP [t CaCO3/1000 t]	39.8	40.1	41.6	93.2	92.3	72.7
NP/AP [ratio]	7.70	7.12	9.88	10.6	17.4	10.3
S [%]	0.237	0.263	0.227	0.409	0.221	0.332
Acid Leachable SO4-S [%]	0.05	0.05	0.08	0.10	0.04	0.08
Sulphide [%]	0.19	0.21	0.15	0.31	0.18	0.25
C [%]	0.671	0.675	0.708	3.96	3.91	3.54
CO3 (HCl) as %CO3 [%]	2.82	2.98	3.10	19.4	19.5	17.7

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

05-May-2023

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Date Rec. : 24 April 2023
LR Report: **CA19138-APR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000570-T IR01B-10020MS 13-Kwa-s	6: ARDG-000571-T IR01B-10020MS 13-Kwa-s	7: ARDG-000572-T IR01B-10020MS 13-Kwa-s	8: ARDG-000573-T IR01B-10020MS 13-Kwa-s	9: ARDG-000574-T IR01B-10020MS 13-Kwa-s
Sample Date & Time					06-Mar-23	06-Mar-23	06-Mar-23	06-Mar-23	06-Mar-23
Ag [µg/g]	02-May-23	15:15	03-May-23	17:00	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	02-May-23	15:15	03-May-23	17:00	52000	50000	56000	61000	57000
As [µg/g]	02-May-23	15:15	03-May-23	17:00	58	15	190	180	180
Ba [µg/g]	02-May-23	15:15	03-May-23	17:00	590	710	820	660	650
Be [µg/g]	02-May-23	15:15	03-May-23	17:00	1.4	1.2	1.4	1.4	1.4
Bi [µg/g]	02-May-23	15:15	03-May-23	17:00	0.26	0.21	0.32	0.30	0.32
Ca [µg/g]	02-May-23	15:15	03-May-23	17:00	8600	14000	11000	10000	9900
Cd [µg/g]	02-May-23	15:15	03-May-23	17:00	0.18	0.14	0.13	0.14	0.13
Co [µg/g]	02-May-23	15:15	03-May-23	17:00	20	18	20	20	21
Cr [µg/g]	02-May-23	15:15	03-May-23	17:00	89	73	81	85	92
Cu [µg/g]	02-May-23	15:15	03-May-23	17:00	46	47	46	49	48
Fe [µg/g]	02-May-23	15:15	03-May-23	17:04	44000	37000	47000	44000	42000
K [µg/g]	02-May-23	15:15	03-May-23	17:04	19000	17000	19000	20000	20000
Li [µg/g]	02-May-23	15:15	03-May-23	17:04	43	34	43	43	42
Mg [µg/g]	02-May-23	15:15	03-May-23	17:04	14000	11000	14000	14000	14000
Mn [µg/g]	02-May-23	15:15	03-May-23	17:04	300	340	350	330	330
Mo [µg/g]	02-May-23	15:15	03-May-23	17:04	1.9	1.4	1.5	1.7	1.7
Ni [µg/g]	02-May-23	15:15	03-May-23	17:04	69	56	67	73	74
Pb [µg/g]	02-May-23	15:15	03-May-23	17:05	13	11	21	16	17
Sb [µg/g]	02-May-23	15:15	03-May-23	17:05	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	02-May-23	15:15	03-May-23	17:05	0.2	0.2	0.2	0.2	0.2
Sn [µg/g]	02-May-23	15:15	03-May-23	17:05	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	02-May-23	15:15	03-May-23	17:05	220	350	260	240	240
Ti [µg/g]	02-May-23	15:15	03-May-23	17:05	1400	2200	2400	1400	1300
Tl [µg/g]	02-May-23	15:15	03-May-23	17:05	0.48	0.43	0.50	0.47	0.58
U [µg/g]	02-May-23	15:15	03-May-23	17:05	2.0	1.1	2.1	2.2	2.2
V [µg/g]	02-May-23	15:15	03-May-23	17:05	81	70	86	85	86
Y [µg/g]	02-May-23	15:15	03-May-23	17:05	4.4	3.4	5.4	5.4	4.9
Zn [µg/g]	02-May-23	15:15	03-May-23	17:05	77	66	77	76	77

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Project : PO#1254179

LR Report : **CA19138-APR23**

Analysis	10: ARDG-000575-TIR01B-10020MS13-Kwa-s	11: ARDG-000576-TIR01B-10020MS13-Mv	12: ARDG-000577-TIR01B-10020MS13-Mv	13: ARDG-000578-TIR01B-10020MS13-Mv
Sample Date & Time	06-Mar-23	06-Mar-23	06-Mar-23	06-Mar-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	53000	66000	68000	61000
As [µg/g]	580	240	140	12
Ba [µg/g]	790	97	89	110
Be [µg/g]	1.5	0.74	0.61	0.45
Bi [µg/g]	0.52	< 0.09	< 0.09	< 0.09
Ca [µg/g]	9500	87000	76000	96000
Cd [µg/g]	0.13	0.17	0.20	0.17
Co [µg/g]	18	39	41	45
Cr [µg/g]	96	84	105	120
Cu [µg/g]	44	74	69	109
Fe [µg/g]	39000	76000	76000	71000
K [µg/g]	19000	8900	5500	5800
Li [µg/g]	39	51	65	64
Mg [µg/g]	13000	22000	27000	20000
Mn [µg/g]	270	1500	1600	2100
Mo [µg/g]	2.1	0.5	0.5	0.4
Ni [µg/g]	65	100	100	120
Pb [µg/g]	79	10	7.4	4.6
Sb [µg/g]	0.9	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.3	0.2	0.5
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	260	170	160	100
Ti [µg/g]	2200	3400	2400	2200
Tl [µg/g]	0.50	0.49	0.25	0.24
U [µg/g]	2.0	0.27	0.16	0.12
V [µg/g]	79	210	200	200
Y [µg/g]	4.9	6.7	4.3	6.9
Zn [µg/g]	71	130	80	70

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

12-May-2023

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Date Rec. : 24 April 2023
LR Report: **CA19139-APR23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000570-T IR01B-10020MS 13-Kwa-s	6: ARDG-000571-T IR01B-10020MS 13-Kwa-s	7: ARDG-000572-T IR01B-10020MS 13-Kwa-s
Sample Date & Time					06-Mar-23	06-Mar-23	06-Mar-23
Sample weight [g]	04-May-23	09:04	05-May-23	12:15	250	250	250
Volume D.I. Water [mL]	04-May-23	09:04	05-May-23	12:15	750	750	750
pH [no unit]	04-May-23	09:04	05-May-23	12:15	8.98	9.15	9.03
pH [No unit]	05-May-23	16:07	08-May-23	13:25	8.06	8.15	8.03
Conductivity [uS/cm]	05-May-23	16:07	08-May-23	13:25	226	182	226
Alkalinity [mg/L as CaCO3]	05-May-23	16:07	08-May-23	13:25	40	42	46
SO4 [mg/L]	10-May-23	12:50	10-May-23	15:41	50	34	46
Hg [mg/L]	08-May-23	07:30	09-May-23	10:08	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	11-May-23	02:24	12-May-23	15:45	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	11-May-23	02:24	12-May-23	15:45	0.584	0.732	0.605
As [mg/L]	11-May-23	02:24	12-May-23	15:45	0.161	0.0119	0.0747
Ba [mg/L]	11-May-23	02:24	12-May-23	15:45	0.00224	0.00280	0.00306
B [mg/L]	11-May-23	02:24	12-May-23	15:45	0.011	0.008	0.014
Be [mg/L]	11-May-23	02:24	12-May-23	15:45	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	11-May-23	02:24	12-May-23	15:45	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	11-May-23	02:24	12-May-23	15:45	11.8	10.1	11.6
Cd [mg/L]	11-May-23	02:24	12-May-23	15:45	0.000003	< 0.000003	< 0.000003
Co [mg/L]	11-May-23	02:24	12-May-23	15:45	0.000076	0.000006	0.000032
Cr [mg/L]	11-May-23	02:24	12-May-23	15:45	0.00017	0.00019	0.00019
Cu [mg/L]	11-May-23	02:24	12-May-23	15:45	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	11-May-23	02:24	12-May-23	15:45	< 0.007	< 0.007	< 0.007
K [mg/L]	11-May-23	02:24	12-May-23	15:45	17.1	14.3	17.9
Li [mg/L]	11-May-23	02:24	12-May-23	15:45	0.0014	0.0019	0.0011
Mg [mg/L]	11-May-23	02:24	12-May-23	15:45	3.28	2.56	3.30
Mn [mg/L]	11-May-23	02:24	12-May-23	15:45	0.00135	0.00100	0.00118
Mo [mg/L]	11-May-23	02:24	12-May-23	15:45	0.00625	0.00247	0.00398
Na [mg/L]	11-May-23	02:24	12-May-23	15:45	14.1	11.2	14.5
Ni [mg/L]	11-May-23	02:24	12-May-23	15:45	0.0003	< 0.0001	0.0001

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0003332287

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Project : PO#1254179

LR Report : **CA19139-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000570-T IR01B-10020MS 13-Kwa-s	6: ARDG-000571-T IR01B-10020MS 13-Kwa-s	7: ARDG-000572-T IR01B-10020MS 13-Kwa-s
Pb [mg/L]	11-May-23	02:24	12-May-23	15:45	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	11-May-23	02:24	12-May-23	15:45	0.0051	0.0028	0.0064
Se [mg/L]	11-May-23	02:24	12-May-23	15:45	0.00034	0.00025	0.00077
Si [mg/L]	11-May-23	02:24	12-May-23	15:45	1.77	1.74	1.73
Sn [mg/L]	11-May-23	02:24	12-May-23	15:45	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	11-May-23	02:24	12-May-23	15:45	0.0470	0.0580	0.0529
Ti [mg/L]	11-May-23	02:24	12-May-23	15:45	0.00013	0.00009	0.00013
Tl [mg/L]	11-May-23	02:24	12-May-23	15:45	0.000006	0.000009	0.000008
U [mg/L]	11-May-23	02:24	12-May-23	15:45	0.000260	0.000155	0.000174
W [mg/L]	11-May-23	02:24	12-May-23	15:45	0.00483	0.00241	0.00199
V [mg/L]	11-May-23	02:24	12-May-23	15:45	0.00204	0.00214	0.00168
Zn [mg/L]	11-May-23	02:24	12-May-23	15:45	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000573-T IR01B-10020MS 13-Kwa-s	9: ARDG-000574-T IR01B-10020MS 13-Kwa-s	10: ARDG-000575-T IR01B-10020MS 13-Kwa-s	11: ARDG-000576-T IR01B-10020MS 13-Mv	12: ARDG-000577-T IR01B-10020MS 13-Mv	13: ARDG-000578-T IR01B-10020MS 13-Mv
Sample Date & Time	06-Mar-23	06-Mar-23	06-Mar-23	06-Mar-23	06-Mar-23	06-Mar-23
Sample weight [g]	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.11	9.20	8.90	8.59	8.65	8.67
pH [No unit]	8.32	8.29	8.03	8.27	8.25	8.11
Conductivity [uS/cm]	215	212	276	345	293	283
Alkalinity [mg/L as CaCO3]	49	55	47	74	71	53
SO4 [mg/L]	38	26	72	77	56	66
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.677	0.727	0.544	0.392	0.440	0.388
As [mg/L]	0.149	0.179	0.152	0.0459	0.0447	0.0026
Ba [mg/L]	0.00207	0.00175	0.00456	0.00100	0.00174	0.00270
B [mg/L]	0.011	0.023	0.012	0.011	0.013	0.014
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	9.64	8.92	15.0	17.7	16.0	17.7
Cd [mg/L]	0.000016	0.000011	0.000006	< 0.000003	< 0.000003	0.000003
Co [mg/L]	0.000312	0.000160	0.000055	0.000146	0.000075	0.000144
Cr [mg/L]	0.00024	0.00019	0.00028	0.00010	0.00017	0.00011
Cu [mg/L]	0.0004	0.0002	< 0.0002	< 0.0002	0.0002	0.0012
Fe [mg/L]	< 0.007	< 0.007	0.009	< 0.007	< 0.007	< 0.007
K [mg/L]	20.2	20.0	22.4	8.24	3.28	6.09
Li [mg/L]	0.0013	0.0013	0.0017	0.0030	0.0026	0.0022
Mg [mg/L]	2.89	2.66	5.10	10.1	8.56	7.08
Mn [mg/L]	0.00190	0.00178	0.00226	0.00565	0.00402	0.00730
Mo [mg/L]	0.00425	0.00594	0.00511	0.00537	0.00323	0.00448

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Project : PO#1254179

LR Report : **CA19139-APR23**

Analysis	8: ARDG-000573-T IR01B-10020MS 13-Kwa-s	9: ARDG-000574-T IR01B-10020MS 13-Kwa-s	10: ARDG-000575-T IR01B-10020MS 13-Kwa-s	11: ARDG-000576-T IR01B-10020MS 13-Mv	12: ARDG-000577-T IR01B-10020MS 13-Mv	13: ARDG-000578-T IR01B-10020MS 13-Mv
Na [mg/L]	15.0	15.0	15.0	28.0	25.1	20.7
Ni [mg/L]	0.0004	0.0003	0.0003	0.0004	0.0003	0.0002
Pb [mg/L]	0.00021	0.00015	0.00010	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0055	0.0056	0.0074	0.0057	0.0017	< 0.0009
Se [mg/L]	0.00066	0.00050	0.00142	0.00181	0.00120	0.00122
Si [mg/L]	1.74	1.71	1.86	1.57	1.46	1.42
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0386	0.0357	0.0752	0.0269	0.0242	0.0273
Ti [mg/L]	0.00012	0.00017	0.00014	0.00006	0.00009	0.00005
Tl [mg/L]	0.000005	0.000005	0.000015	0.000009	< 0.000005	< 0.000005
U [mg/L]	0.000258	0.000281	0.000408	0.000065	0.000022	0.000017
W [mg/L]	0.00365	0.00472	0.00438	0.00258	0.00243	0.00514
V [mg/L]	0.00240	0.00268	0.00162	0.00108	0.00117	0.00082
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

11-July-2023

Date Rec. : 21 April 2023
LR Report: **CA19126-APR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000579-TI RO1B-10015MS5 1-MV	6: ARDG-000580-TI RO1B-10015MS5 1-MV	7: ARDG-000581-TI RO1B-10015MS5 1-MV	8: ARDG-000582-TI RO1B-10015MS5 1-MV	9: ARDG-000583-TI RO1B-10015MS5 1-MV
Sample Date & Time					23-Mar-23 DS	23-Mar-23 DS	23-Mar-23 DS	23-Mar-23 DS	23-Mar-23 DS
Paste pH [no unit]	25-May-23	10:05	26-May-23	17:18	9.08	9.03	9.11	9.07	9.07
Fizz Rate [rating]	25-May-23	10:05	26-May-23	17:18	4	4	4	4	4
Sample weight [g]	25-May-23	10:05	26-May-23	17:18	2.02	2.01	2.20	1.95	2.09
HCl_add [mL]	26-May-23	08:10	26-May-23	17:18	170.00	120.00	190.00	190.00	190.00
HCl [Normality]	25-May-23	10:05	26-May-23	17:18	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	25-May-23	10:05	26-May-23	17:18	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	26-May-23	10:15	26-May-23	17:18	116	60.75	117	120	123
Final pH [no unit]	26-May-23	10:15	26-May-23	17:18	1.60	1.87	1.62	1.53	1.75
NP [t CaCO3/1000 t]	26-May-23	10:15	26-May-23	17:18	132	147	165	179	160
AP [t CaCO3/1000 t]	26-May-23	17:18	26-May-23	17:18	8.12	6.88	8.12	12.2	9.38
Net NP [t CaCO3/1000 t]	26-May-23	17:18	26-May-23	17:18	124	141	157	166	151
NP/AP [ratio]	26-May-23	17:18	26-May-23	17:18	16.3	21.4	20.3	14.7	17.1
S [%]	10-May-23	16:27	18-May-23	09:34	0.348	0.289	0.318	0.494	0.347
Acid Leachable SO4-S [%]	18-May-23	09:34	18-May-23	09:34	0.09	0.07	0.06	0.10	0.05

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Project : PO#1254179

LR Report : **CA19126-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000579-TI RO1B-10015MS5 1-MV	6: ARDG-000580-TI RO1B-10015MS5 1-MV	7: ARDG-000581-TI RO1B-10015MS5 1-MV	8: ARDG-000582-TI RO1B-10015MS5 1-MV	9: ARDG-000583-TI RO1B-10015MS5 1-MV
Sulphide [%]	11-May-23	14:45	18-May-23	09:34	0.26	0.22	0.26	0.39	0.30
C [%]	10-May-23	16:27	12-May-23	09:25	3.22	3.22	4.00	3.88	4.27
CO3 (HCl) as %CO3 [%]	10-May-23	09:38	12-May-23	09:25	15.7	15.7	19.6	19.1	20.9

Analysis	10: ARDG-000584-TI RO1B-10015MS5 1-SAM	11: ARDG-000585-TI RO1B-10015MS5 1-SAM	12: ARDG-000586-TI RO1B-10015MS 50-Kwa-s	13: ARDG-000587-TI RO1B-10015MS 50-Kwa-s	14: ARDG-000588-TI RO1B-10015MS 50-MV	15: ARDG-000589-TI RO1B-10015MS 50-MV	16: ARDG-000590-TI RO1B-10015MS 50-MV
Sample Date & Time	23-Mar-23 DS	23-Mar-23 DS	11-Apr-23 NS	11-Apr-23 NS	11-Apr-23 NS	11-Apr-23 NS	11-Apr-23 NS
Paste pH [no unit]	8.62	9.31	9.18	9.20	8.88	9.37	9.33
Fizz Rate [rating]	3	4	4	4	4	2	3
Sample weight [g]	2.03	2.09	1.98	2.05	1.99	1.95	2.04
HCl_add [mL]	50.00	60.00	130.00	85.00	160.00	45.00	50.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	22.97	22.13	82.49	24.92	114	20.31	26.25
Final pH [no unit]	1.64	1.74	1.61	1.86	1.53	1.62	1.50
NP [t CaCO3/1000 t]	66.6	90.6	120	146	115	63.3	58.2
AP [t CaCO3/1000 t]	7.19	9.69	14.4	31.9	26.9	6.88	7.81
Net NP [t CaCO3/1000 t]	59.4	80.9	106	115	87.8	56.4	50.4
NP/AP [ratio]	9.27	9.35	8.35	4.60	4.27	9.21	7.45
S [%]	0.264	0.383	0.575	1.30	1.04	0.278	0.322
Acid Leachable SO4-S [%]	< 0.04	0.07	0.12	0.28	0.18	0.06	0.07
Sulphide [%]	0.23	0.31	0.46	1.02	0.86	0.22	0.25
C [%]	0.971	1.26	2.62	1.94	3.08	0.877	0.723
CO3 (HCl) as %CO3 [%]	4.41	5.91	12.7	9.20	15.0	3.97	3.28

ABA - Modified Sobek

*NP (Neutralization Potential)

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Project : PO#1254179

LR Report : **CA19126-APR23**

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

12-May-2023

Date Rec. : 21 April 2023
LR Report: **CA19128-APR23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000579-TIRO1B-10015MS51-MV	6: ARDG-000580-TIRO1B-10015MS51-MV	7: ARDG-000581-TIRO1B-10015MS51-MV	8: ARDG-000582-TIRO1B-10015MS51-MV	9: ARDG-000583-TIRO1B-10015MS51-MV
Sample Date & Time					23-Mar-23 DS	23-Mar-23 DS	23-Mar-23 DS	23-Mar-23 DS	23-Mar-23 DS
Sample weight [g]	01-May-23	12:10	03-May-23	09:19	250	250	250	250	250
Volume D.I. Water [mL]	01-May-23	12:10	03-May-23	09:19	750	750	750	750	750
pH [no unit]	01-May-23	12:10	03-May-23	09:19	8.84	8.83	8.83	8.78	8.56
pH [No unit]	02-May-23	15:45	04-May-23	12:53	8.06	8.12	8.20	8.18	8.19
Conductivity [uS/cm]	02-May-23	15:45	04-May-23	12:53	199	196	227	277	297
Alkalinity [mg/L as CaCO3]	02-May-23	15:45	04-May-23	12:53	63	63	70	65	73
SO4 [mg/L]	10-May-23	10:40	10-May-23	16:14	17	17	31	31	30
Hg [mg/L]	03-May-23	20:45	05-May-23	16:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	08-May-23	22:02	11-May-23	14:24	0.565	0.536	0.509	0.536	0.459
As [mg/L]	08-May-23	22:02	11-May-23	14:24	0.0118	0.0104	0.0845	0.0375	0.0317
Ba [mg/L]	08-May-23	22:02	11-May-23	14:24	0.00084	0.00087	0.00083	0.00122	0.00141
B [mg/L]	08-May-23	22:02	11-May-23	14:24	0.015	0.014	0.014	0.022	0.018
Be [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	08-May-23	22:02	11-May-23	14:24	12.1	12.8	13.4	15.1	13.1

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Project : PO#1254179

LR Report : **CA19128-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000579-TIRO1B-10015MS51-MV	6: ARDG-000580-TIRO1B-10015MS51-MV	7: ARDG-000581-TIRO1B-10015MS51-MV	8: ARDG-000582-TIRO1B-10015MS51-MV	9: ARDG-000583-TIRO1B-10015MS51-MV
Cd [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.000003	< 0.000003	0.000004	0.000003	0.000010
Co [mg/L]	08-May-23	22:02	11-May-23	14:24	0.000017	0.000020	0.000072	0.000047	0.000043
Cr [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00012
Cu [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	08-May-23	22:02	11-May-23	14:24	6.69	6.20	7.53	7.42	9.29
Li [mg/L]	08-May-23	22:02	11-May-23	14:24	0.0013	0.0013	0.0022	0.0023	0.0024
Mg [mg/L]	08-May-23	22:02	11-May-23	14:24	3.92	4.14	7.14	6.51	7.56
Mn [mg/L]	08-May-23	22:02	11-May-23	14:24	0.00299	0.00266	0.00416	0.00344	0.00342
Mo [mg/L]	08-May-23	22:02	11-May-23	14:24	0.00314	0.00289	0.00419	0.00504	0.00451
Na [mg/L]	08-May-23	22:02	11-May-23	14:24	21.2	19.4	21.6	28.3	29.1
Ni [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.0001	< 0.0001	0.0004	0.0002	0.0002
Pb [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	08-May-23	22:02	11-May-23	14:24	0.0061	0.0064	0.0043	0.0039	0.0080
Se [mg/L]	08-May-23	22:02	11-May-23	14:24	0.00034	0.00034	0.00126	0.00097	0.00056
Si [mg/L]	08-May-23	22:02	11-May-23	14:24	1.26	1.23	1.46	1.23	1.20
Sn [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	08-May-23	22:02	11-May-23	14:24	0.0227	0.0265	0.0221	0.0298	0.0274
Ti [mg/L]	08-May-23	22:02	11-May-23	14:24	< 0.00005	0.00005	0.00009	0.00006	0.00010
Tl [mg/L]	08-May-23	22:02	11-May-23	14:24	0.000006	0.000005	0.000006	< 0.000005	< 0.000005
U [mg/L]	08-May-23	22:02	11-May-23	14:24	0.000007	0.000008	0.000018	0.000039	0.000039
W [mg/L]	08-May-23	22:02	11-May-23	14:25	0.00061	0.00069	0.00103	0.00124	0.00207
V [mg/L]	08-May-23	22:02	11-May-23	14:25	0.00080	0.00073	0.00121	0.00072	0.00072
Zn [mg/L]	08-May-23	22:02	11-May-23	14:25	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: ARDG-000584-TIRO1B-10015MS51-SAM	11: ARDG-000585-TIRO1B-10015MS51-SAM	12: ARDG-000586-TIRO1B-10015MS50-Kwa-s	13: ARDG-000587-TIRO1B-10015MS50-Kwa-s	14: ARDG-000588-TIRO1B-10015MS50-MV	15: ARDG-000589-TIRO1B-10015MS50-MV	16: ARDG-000590-TIRO1B-10015MS50-MV	17: ARDG-000579-TIRO1B-10015MS51-MV	18:BLK: $D.I. Leachate Blank
Sample Date & Time	23-Mar-23 DS	23-Mar-23 DS	11-Apr-23 NS	11-Apr-23 NS	11-Apr-23 NS	11-Apr-23 NS	11-Apr-23 NS		

OnLine LIMS

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mel

Project : PO#1254179

LR Report : **CA19128-APR23**

Analysis	10: ARDG-000584-TIRO1B-10015MS51-SAM	11: ARDG-000585-TIRO1B-10015MS51-SAM	12: ARDG-000586-TIRO1B-10015MS50-Kwa-s	13: ARDG-000587-TIRO1B-10015MS50-Kwa-s	14: ARDG-000588-TIRO1B-10015MS50-MV	15: ARDG-000589-TIRO1B-10015MS50-MV	16: ARDG-000590-TIRO1B-10015MS50-MV	17: ARDG-000579-TIRO1B-10015MS51-MV	18:BLK: $D.I. Leachate Blank
Sample weight [g]	250	250	250	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750
pH [no unit]	8.58	8.99	8.80	8.73	8.48	9.09	9.13	8.82	5.70
pH [No unit]	8.00	8.09	8.11	8.10	8.06	8.06	8.05	8.11	5.98
Conductivity [uS/cm]	1680	271	217	250	341	198	203	199	< 2
Alkalinity [mg/L as CaCO3]	56	55	65	68	73	49	47	62	< 2
SO4 [mg/L]	71	48	14	21	60	30	34	17	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00058
Al [mg/L]	0.304	0.630	0.599	0.664	0.341	0.691	0.663	0.544	0.005
As [mg/L]	0.0732	0.0103	0.0182	0.0268	0.0163	0.0145	0.0091	0.0112	< 0.0002
Ba [mg/L]	0.0199	0.00396	0.00059	0.00157	0.00342	0.00270	0.00292	0.00082	0.00016
B [mg/L]	0.025	0.011	0.017	0.033	0.016	0.008	0.006	0.014	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	0.000008	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	32.3	12.7	11.1	12.8	22.7	11.0	11.3	12.0	0.03
Cd [mg/L]	0.000011	< 0.000003	0.000006	< 0.000003	0.000004	0.000014	0.000013	< 0.000003	< 0.000003
Co [mg/L]	0.000141	0.000011	0.000016	0.000012	0.000078	0.000011	0.000006	0.000022	0.000021
Cr [mg/L]	0.00069	< 0.00008	< 0.00008	0.00027	0.00025	0.00018	0.00010	< 0.00008	0.00012
Cu [mg/L]	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.051	0.011	0.009	< 0.007	0.007
K [mg/L]	33.2	20.9	8.04	11.4	8.76	17.0	16.3	6.45	0.020
Li [mg/L]	0.0028	0.0016	0.0018	0.0030	0.0030	0.0014	0.0013	0.0013	< 0.0001
Mg [mg/L]	27.3	5.33	4.33	4.70	10.1	3.93	3.55	3.84	< 0.001
Mn [mg/L]	0.00593	0.00219	0.00291	0.00524	0.0146	0.00130	0.00125	0.00291	0.00072
Mo [mg/L]	0.0124	0.0109	0.00428	0.00656	0.00903	0.00387	0.00424	0.00311	0.00005
Na [mg/L]	227	19.8	21.7	24.3	24.4	11.0	12.9	21.3	0.02
Ni [mg/L]	0.0009	< 0.0001	< 0.0001	0.0001	0.0003	< 0.0001	< 0.0001	0.0001	0.0001
Pb [mg/L]	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0076	0.0038	0.0108	0.0124	0.0055	0.0040	0.0029	0.0060	< 0.0009

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Project : PO#1254179

LR Report : **CA19128-APR23**

Analysis	10: ARDG-000584-TIRO1B-10015MS51-SAM	11: ARDG-000585-TIRO1B-10015MS51-SAM	12: ARDG-000586-TIRO1B-10015MS50-Kwa-s	13: ARDG-000587-TIRO1B-10015MS50-Kwa-s	14: ARDG-000588-TIRO1B-10015MS50-MV	15: ARDG-000589-TIRO1B-10015MS50-MV	16: ARDG-000590-TIRO1B-10015MS50-MV	17: ARDG-000579-TIRO1B-10015MS51-MV	18:BLK: $D.I. Leachate Blank
Se [mg/L]	0.00105	0.00038	0.00027	0.00044	0.00072	0.00051	0.00053	0.00032	< 0.00004
Si [mg/L]	1.65	1.60	1.17	1.31	1.16	1.60	1.58	1.20	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00007
Sr [mg/L]	0.265	0.0792	0.0178	0.0192	0.0406	0.0583	0.0617	0.0223	< 0.00008
Ti [mg/L]	0.00011	0.00013	0.00011	0.00012	0.00038	0.00022	0.00022	0.00008	0.00023
Tl [mg/L]	0.000024	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000006	< 0.000005	< 0.000005
U [mg/L]	0.000257	0.000454	0.000022	0.000108	0.000039	0.000241	0.000247	0.000010	< 0.000002
W [mg/L]	0.00486	0.00476	0.00148	0.00250	0.00220	0.00230	0.00312	0.00053	0.00002
V [mg/L]	0.00089	0.00116	0.00087	0.00091	0.00045	0.00151	0.00144	0.00080	0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

03-May-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 21 April 2023
LR Report: **CA19127-APR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000579-TI RO1B-10015MS5 1-MV	6: ARDG-000580-TI RO1B-10015MS5 1-MV
Sample Date & Time					23-Mar-23 DS	23-Mar-23 DS
Ag [µg/g]	27-Apr-23	20:30	02-May-23	15:02	0.7	0.6
Al [µg/g]	27-Apr-23	20:30	02-May-23	15:02	75000	73000
As [µg/g]	27-Apr-23	20:30	02-May-23	15:02	130	230
Ba [µg/g]	27-Apr-23	20:30	02-May-23	15:02	110	100
Be [µg/g]	27-Apr-23	20:30	02-May-23	15:02	0.57	0.55
Bi [µg/g]	27-Apr-23	20:30	02-May-23	15:02	< 0.09	< 0.09
Ca [µg/g]	27-Apr-23	20:30	02-May-23	15:02	84000	80000
Cd [µg/g]	27-Apr-23	20:30	02-May-23	15:02	0.26	0.25
Co [µg/g]	27-Apr-23	20:30	02-May-23	15:02	43	42
Cr [µg/g]	27-Apr-23	20:30	02-May-23	15:02	140	120
Cu [µg/g]	27-Apr-23	20:30	02-May-23	15:02	76	83
Fe [µg/g]	27-Apr-23	20:30	02-May-23	15:02	69000	69000
K [µg/g]	27-Apr-23	20:30	02-May-23	15:02	7600	7000
Li [µg/g]	27-Apr-23	20:30	02-May-23	15:02	78	72
Mg [µg/g]	27-Apr-23	20:30	02-May-23	15:02	24000	25000
Mn [µg/g]	27-Apr-23	20:30	02-May-23	15:02	1900	1700
Mo [µg/g]	27-Apr-23	20:30	02-May-23	15:02	0.7	0.5
Ni [µg/g]	27-Apr-23	20:30	02-May-23	15:02	130	120
Pb [µg/g]	27-Apr-23	20:30	02-May-23	15:02	8	8
Sb [µg/g]	27-Apr-23	20:30	02-May-23	15:02	< 0.8	< 0.8
Se [µg/g]	27-Apr-23	20:30	02-May-23	15:02	0.7	0.8
Sn [µg/g]	27-Apr-23	20:30	02-May-23	15:02	< 6	< 6
Sr [µg/g]	27-Apr-23	20:30	02-May-23	15:02	160	170
Ti [µg/g]	27-Apr-23	20:30	02-May-23	15:02	1800	1600
Tl [µg/g]	27-Apr-23	20:30	02-May-23	15:02	0.44	0.38
U [µg/g]	27-Apr-23	20:30	02-May-23	15:02	0.24	0.17

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Project : PO#1254179

LR Report : **CA19127-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000579-TI RO1B-10015MS5 1-MV	6: ARDG-000580-TI RO1B-10015MS5 1-MV
V [µg/g]	27-Apr-23	20:30	02-May-23	15:02	220	200
Y [µg/g]	27-Apr-23	20:30	02-May-23	15:02	7.8	8.0
Zn [µg/g]	27-Apr-23	20:30	02-May-23	15:02	150	120

Analysis	7: ARDG-000581-TI RO1B-10015MS5 1-MV	8: ARDG-000582-TI RO1B-10015MS5 1-MV	9: ARDG-000583-TI RO1B-10015MS5 1-MV	10: ARDG-000584-TI RO1B-10015MS5 1-SAM	11: ARDG-000585-TI RO1B-10015MS5 1-SAM	12: ARDG-000586-TI RO1B-10015MS 50-Kwa-s
Sample Date & Time	23-Mar-23 DS	23-Mar-23 DS	23-Mar-23 DS	23-Mar-23 DS	23-Mar-23 DS	11-Apr-23 NS
Ag [µg/g]	< 0.5	< 0.5	< 0.5	0.5	0.7	0.8
Al [µg/g]	71000	67000	62000	59000	63000	81000
As [µg/g]	1300	990	150	440	88	260
Ba [µg/g]	140	110	130	570	680	150
Be [µg/g]	0.61	0.62	0.73	1.4	1.4	0.77
Bi [µg/g]	< 0.09	< 0.09	< 0.09	0.22	0.22	0.19
Ca [µg/g]	87000	75000	92000	15000	23000	62000
Cd [µg/g]	0.41	0.19	0.18	0.19	0.24	0.46
Co [µg/g]	43	45	34	18	15	36
Cr [µg/g]	110	140	120	78	53	150
Cu [µg/g]	96	95	74	39	26	97
Fe [µg/g]	59000	68000	60000	34000	29000	72000
K [µg/g]	9500	9800	11000	17000	21000	11000
Li [µg/g]	45	55	44	30	21	76
Mg [µg/g]	24000	24000	21000	11000	9800	24000
Mn [µg/g]	1900	1500	1500	310	330	1500
Mo [µg/g]	0.6	1.0	0.5	2.0	1.4	1.0
Ni [µg/g]	120	110	100	60	43	110
Pb [µg/g]	9	9	7	36	18	9
Sb [µg/g]	0.8	0.9	< 0.8	< 0.8	< 0.8	0.9
Se [µg/g]	0.5	0.9	0.4	0.4	0.5	0.7
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	160	190	190	230	360	150
Ti [µg/g]	1700	2000	2600	2400	2300	2300
Tl [µg/g]	0.51	0.49	0.63	0.45	0.54	0.61
U [µg/g]	0.19	0.27	0.13	0.96	1.12	0.44
V [µg/g]	200	200	190	81	80	220
Y [µg/g]	6.7	6.0	7.5	5.0	6.1	6.5
Zn [µg/g]	150	100	86	62	46	220

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Project : PO#1254179

LR Report : **CA19127-APR23**

Analysis	13: ARDG-000587-TIRO1B-10015MS50-Kwa-s	14: ARDG-000588-TIRO1B-10015MS50-MV	15: ARDG-000589-TIRO1B-10015MS50-MV	16: ARDG-000590-TIRO1B-10015MS50-MV
Sample Date & Time	11-Apr-23 NS	11-Apr-23 NS	11-Apr-23 NS	11-Apr-23 NS
Ag [µg/g]	0.8	< 0.5	0.6	< 0.5
Al [µg/g]	77000	56000	52000	40000
As [µg/g]	530	520	18	32
Ba [µg/g]	220	150	650	560
Be [µg/g]	0.94	0.60	1.4	1.3
Bi [µg/g]	0.17	0.17	0.16	0.16
Ca [µg/g]	44000	52000	12000	12000
Cd [µg/g]	1.1	0.33	0.22	0.15
Co [µg/g]	31	38	19	19
Cr [µg/g]	130	130	100	110
Cu [µg/g]	140	110	39	35
Fe [µg/g]	58000	60000	33000	30000
K [µg/g]	15000	6800	20000	17000
Li [µg/g]	66	66	34	36
Mg [µg/g]	16000	13000	12000	11000
Mn [µg/g]	1300	1800	310	300
Mo [µg/g]	1.9	0.7	1.4	1.6
Ni [µg/g]	87	100	64	62
Pb [µg/g]	11	13	9	10
Sb [µg/g]	1.0	1.1	< 0.8	< 0.8
Se [µg/g]	1.8	0.8	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	120	140	270	260
Ti [µg/g]	1300	1500	2200	1500
Tl [µg/g]	0.85	0.54	0.56	0.59
U [µg/g]	1.05	0.36	0.75	0.56
V [µg/g]	150	57	98	93
Y [µg/g]	6.5	5.91	3.1	2.5
Zn [µg/g]	240	170	77	70

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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ABA - Modified Sobek

Project : PO#1254179

13-June-2023

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Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 10 May 2023
LR Report: **CA19084-MAY23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000591-TIR01 C-10050MS02-MV	6: ARDG 000592-TIR01 C-10050MS02-MV	7: ARDG 000593-TIR01 C-10050MS02-MV
Sample Date & Time					19-Apr-23	19-Apr-23	19-Apr-23
Paste pH [no unit]	08-Jun-23	09:37	12-Jun-23	16:03	8.44	8.77	9.03
Fizz Rate [rating]	08-Jun-23	09:37	12-Jun-23	16:03	3	3	3
Sample weight [g]	08-Jun-23	09:37	12-Jun-23	16:03	1.99	2.02	2.01
HCl_add [mL]	09-Jun-23	07:22	12-Jun-23	16:03	40.00	30.00	30.00
HCl [Normality]	08-Jun-23	09:37	12-Jun-23	16:03	0.10	0.10	0.10
NaOH [Normality]	08-Jun-23	09:37	12-Jun-23	16:03	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Jun-23	10:34	12-Jun-23	16:03	19.13	10.79	14.07
Final pH [no unit]	09-Jun-23	10:34	12-Jun-23	16:03	1.51	1.81	1.67
NP [t CaCO3/1000 t]	09-Jun-23	10:34	12-Jun-23	16:03	52.4	47.6	39.6
AP [t CaCO3/1000 t]	12-Jun-23	16:03	12-Jun-23	16:03	5.00	5.31	4.38
Net NP [t CaCO3/1000 t]	12-Jun-23	16:03	12-Jun-23	16:03	47.4	42.3	35.2
NP/AP [ratio]	12-Jun-23	16:03	12-Jun-23	16:03	10.5	8.96	9.05
S [%]	20-May-23	12:21	05-Jun-23	13:46	0.194	0.222	0.221
Acid Leachable SO4-S [%]	05-Jun-23	13:46	05-Jun-23	13:46	< 0.04	0.05	0.08
Sulphide [%]	23-May-23	15:26	05-Jun-23	13:46	0.16	0.17	0.14
C [%]	20-May-23	12:21	05-Jun-23	13:46	0.668	0.622	0.558
CO3 (HCl) as %CO3 [%]	23-May-23	11:19	05-Jun-23	13:46	0.13	0.17	0.30

Analysis	8: ARDG 000594-TIR01 C-10050MS02-MV	9: ARDG 000595-TIR01 C-10050MS02-MV	10: ARDG 000596-TIR01 C-10050MS02-MV	11: ARDG 000597-TIR01 C-10050MS02-MV	12: ARDG 000598-TIR01 C-10050MS02-MV	13: ARDG 000599-TIR01 C-10050MS02-MV	14: ARDG-000600 -TIR1B10010 MS02-Kwa-s
Sample Date & Time	19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23	23-Apr-23
Paste pH [no unit]	8.93	8.86	8.99	8.35	8.90	8.90	8.85
Fizz Rate [rating]	3	2	3	2	2	2	2

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ABA - Modified Sobek

Project : PO#1254179

LR Report : **CA19084-MAY23**

Analysis	8: ARDG 000594-TIR01 C-10050MS02-MV	9: ARDG 000595-TIR01 C-10050MS02-MV	10: ARDG 000596-TIR01 C-10050MS02-MV	11: ARDG 000597-TIR01 C-10050MS02-MV	12: ARDG 000598-TIR01 C-10050MS02-MV	13: ARDG 000599-TIR01 C-10050MS02-MV	14: ARDG-000600 -TIR1B10010 MS02-Kwa-s
Sample weight [g]	2.00	1.98	1.98	2.00	2.03	1.99	1.98
HCl_add [mL]	40.00	30.00	30.00	30.00	35.00	50.00	45.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	18.45	13.49	14.94	13.14	15.49	19.55	17.22
Final pH [no unit]	1.59	1.76	1.65	1.80	1.75	1.74	1.76
NP [t CaCO3/1000 t]	53.9	41.7	38.0	42.1	48.1	76.5	70.2
AP [t CaCO3/1000 t]	5.31	3.75	5.00	4.06	5.00	3.75	7.50
Net NP [t CaCO3/1000 t]	48.6	38.0	33.0	38.0	43.1	72.8	62.7
NP/AP [ratio]	10.1	11.1	7.60	10.4	9.62	20.4	9.36
S [%]	0.210	0.176	0.253	0.191	0.236	0.184	0.363
Acid Leachable SO4-S [%]	0.04	0.06	0.09	0.06	0.08	0.06	0.12
Sulphide [%]	0.17	0.12	0.16	0.13	0.16	0.12	0.24
C [%]	0.755	0.621	0.589	0.669	0.764	1.15	1.07
CO3 (HCl) as %CO3 [%]	0.31	0.38	0.33	0.46	0.36	0.36	0.43

Analysis	15: ARDG-000601 -TIR1B10010 MS02-Kwa-s	16: ARDG-000602 -TIR1B10010 MS02-Kwa-s	17: ARDG-000603 -TIR1B10010 MS02-Kwa-s	18: ARDG-000604 -TIR1B-10015 MS52-MV	19: ARDG-000605 -TIR1B-10015 MS52-MV	20: ARDG-00060 6-TIR01B-100 10MS02-SAM	21: ARDG-00060 7-TIR01B-100 10MS02-SAM
Sample Date & Time	23-Apr-23	23-Apr-23	23-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23
Paste pH [no unit]	9.22	9.18	9.18	8.74	8.94	8.93	8.99
Fizz Rate [rating]	2	2	2	4	4	4	2
Sample weight [g]	2.02	2.02	2.00	2.02	2.03	2.01	1.99
HCl_add [mL]	40.00	35.00	40.00	120.00	163.00	162.00	30.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	20.00	14.94	17.22	23.76	58.71	68.36	14.85
Final pH [no unit]	1.59	1.80	1.65	1.81	1.55	1.64	1.62
NP [t CaCO3/1000 t]	49.5	49.7	56.9	238	257	233	38.1
AP [t CaCO3/1000 t]	4.69	4.06	7.50	3.12	4.38	4.38	1.88
Net NP [t CaCO3/1000 t]	44.8	45.6	49.4	235	253	229	36.2
NP/AP [ratio]	10.6	12.2	7.59	76.2	58.7	53.2	20.3
S [%]	0.234	0.214	0.392	0.156	0.174	0.174	0.092
Acid Leachable SO4-S [%]	0.08	0.08	0.15	0.06	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.15	0.13	0.24	0.10	0.14	0.14	0.06
C [%]	0.738	0.779	0.932	2.92	3.29	3.37	0.548
CO3 (HCl) as %CO3 [%]	0.30	0.33	0.55	0.27	0.30	0.38	0.28

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ABA - Modified Sobek

Project : PO#1254179

LR Report : **CA19084-MAY23**

Analysis	22: ARDG-00060 8-TIR01B-100 10MS02-SAM	23: ARDG-00060 9-TIR01B-100 10MS02-SAM	24: ARDG-00061 0-TIR01B-100 10MS02-SAM	25: ARDG-00611- TIR01B-10015 MS52-MV
Sample Date & Time	27-Apr-23	27-Apr-23	27-Apr-23	28-Apr-23
Paste pH [no unit]	8.82	8.81	8.86	8.91
Fizz Rate [rating]	3	2	2	4
Sample weight [g]	1.99	2.03	1.98	2.00
HCl_add [mL]	30.00	30.00	40.00	163.00
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.04	12.23	18.41	57.25
Final pH [no unit]	1.60	1.94	1.67	1.55
NP [t CaCO3/1000 t]	40.1	43.8	54.5	264
AP [t CaCO3/1000 t]	6.88	4.69	4.69	3.44
Net NP [t CaCO3/1000 t]	33.2	39.1	49.8	261
NP/AP [ratio]	5.83	9.34	11.6	76.9
S [%]	0.288	0.227	0.205	0.144
Acid Leachable SO4-S [%]	0.07	0.08	0.06	< 0.04
Sulphide [%]	0.22	0.15	0.15	0.11
C [%]	0.525	0.661	0.806	3.47
CO3 (HCl) as %CO3 [%]	0.26	0.17	0.29	0.32

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003363942

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mel

Project : PO#1254179

26-June-2023

Date Rec. : 10 May 2023
LR Report: **CA19086-MAY23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000591-TIR01C-10050MS02-MV	6: ARDG 000592-TIR01C-10050MS02-MV	7: ARDG 000593-TIR01C-10050MS02-MV	8: ARDG 000594-TIR01C-10050MS02-MV	9: ARDG 000595-TIR01C-10050MS02-MV	10: ARDG 000596-TIR01C-10050MS02-MV	11: ARDG 000597-TIR01C-10050MS02-MV
Sample Date & Time					19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23
Sample weight [g]	05-Jun-23	09:15	09-Jun-23	16:03	250	250	250	250	250	250	250
Volume D.I. Water [mL]	05-Jun-23	09:15	09-Jun-23	16:03	750	750	750	750	750	750	750
pH [no unit]	09-Jun-23	09:24	09-Jun-23	16:03	8.72	8.65	8.93	9.09	8.82	8.65	8.54
pH [No unit]	09-Jun-23	15:41	12-Jun-23	12:18	7.85	7.88	8.16	8.18	8.04	8.06	8.50
Conductivity [uS/cm]	09-Jun-23	15:41	12-Jun-23	12:18	457	408	273	316	335	274	933
Alkalinity [mg/L as CaCO3]	09-Jun-23	15:41	12-Jun-23	12:18	36	54	49	47	48	46	83
SO4 [mg/L]	09-Jun-23	12:58	09-Jun-23	15:27	60	50	25	28	41	30	26
Hg [mg/L]	13-Jun-23	10:00	23-Jun-23	16:11	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.450	0.480	0.643	0.575	0.562	0.593	0.315
As [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.0306	0.0442	0.164	0.0954	0.0844	0.0468	0.0674
Ba [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.00712	0.00609	0.00479	0.00382	0.00543	0.00300	0.0213
B [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.021	0.019	0.009	0.010	0.010	0.010	0.011
Be [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	23.4	18.3	9.88	9.87	12.5	10.7	29.3
Cd [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.000003	0.000004	0.000005	0.000007	0.000010	0.000003	0.000010
Co [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.000058	0.000053	0.000026	0.000022	0.000195	0.000019	0.000260
Cr [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.00010	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00009	< 0.00008

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Project : PO#1254179

LR Report : **CA19086-MAY23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000591-TIR01C-10050MS02-MV	6: ARDG 000592-TIR01C-10050MS02-MV	7: ARDG 000593-TIR01C-10050MS02-MV	8: ARDG 000594-TIR01C-10050MS02-MV	9: ARDG 000595-TIR01C-10050MS02-MV	10: ARDG 000596-TIR01C-10050MS02-MV	11: ARDG 000597-TIR01C-10050MS02-MV
Cu [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	< 0.007	< 0.007	< 0.007	< 0.007	0.007	< 0.007	< 0.007
K [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	17.2	17.4	18.4	20.2	22.1	20.2	42.4
Li [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.0013	0.0012	0.0014	0.0010	0.0014	0.0010	0.0033
Mg [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	5.49	4.71	3.08	3.66	4.92	3.17	12.0
Mn [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.00242	0.00183	0.00110	0.00109	0.00182	0.00094	0.0114
Mo [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.00760	0.00793	0.0105	0.00957	0.00896	0.0103	0.00959
Na [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	48.6	43.8	27.9	37.1	36.3	26.3	42.1
Ni [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.0006	0.0004	0.0001	0.0001	0.0003	0.0001	0.0009
Pb [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.0020	0.0026	0.0045	0.0040	0.0035	0.0046	0.0033
Se [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.00091	0.00071	0.00044	0.00039	0.00061	0.00022	0.00036
Si [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	1.59	1.69	1.70	1.94	2.02	1.92	1.85
Sn [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00022	< 0.00006	< 0.00006
Sr [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.115	0.0945	0.0480	0.0575	0.0672	0.0490	0.210
Ti [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	< 0.00005	0.00009	0.00010	< 0.00005	0.00015	0.00006	< 0.00005
Tl [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.000013	0.000009	0.000007	0.000007	0.000010	0.000005	0.000059
U [mg/L]	19-Jun-23	14:43	23-Jun-23	16:12	0.000137	0.000120	0.000219	0.000131	0.000166	0.000093	0.000182
W [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00312	0.00294	0.00442	0.00337	0.00464	0.00489	0.0117
V [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00101	0.00128	0.00298	0.00232	0.00195	0.00165	0.00068
Zn [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	12: ARDG 000598-TIR01C-10050MS02-MV	13: ARDG 000599-TIR01C-10050MS02-MV	14: ARDG-000600-TIR1B10010MS02-Kwa-s	15: ARDG-000601-TIR1B10010MS02-Kwa-s	16: ARDG-000602-TIR1B10010MS02-Kwa-s	17: ARDG-000603-TIR1B10010MS02-Kwa-s	18: ARDG-000604-TIR1B-10015MS52-MV	19: ARDG-000605-TIR1B-10015MS52-MV	20: ARDG-000606-TIR01B-10010MS02-SAM	21: ARDG-000607-TIR01B-10010MS02-SAM	22: ARDG-000608-TIR01B-10010MS02-SAM
Sample Date & Time	19-Apr-23	19-Apr-23	23-Apr-23	23-Apr-23	23-Apr-23	23-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23
Sample weight [g]	250	250	250	250	250	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750	750	750
pH [no unit]	9.03	8.90	8.88	9.07	9.12	8.98	8.44	7.85	8.89	8.86	8.89
pH [No unit]	8.15	8.24	8.16	8.40	8.38	8.21	8.00	8.14	8.05	7.98	7.88
Conductivity [uS/cm]	247	270	327	204	223	201	171	245	245	301	374
Alkalinity [mg/L as CaCO3]	46	52	57	60	56	55	43	60	62	47	37
SO4 [mg/L]	30	29	77	13	30	11	21	36	30	29	65
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

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LR Report : **CA19086-MAY23**

Analysis	12: ARDG 000598-TIR01C-10050MS02-MV	13: ARDG 000599-TIR01C-10050MS02-MV	14: ARDG-000600-TIR1B10010MS02-Kwa-s	15: ARDG-000601-TIR1B10010MS02-Kwa-s	16: ARDG-000602-TIR1B10010MS02-Kwa-s	17: ARDG-000603-TIR1B10010MS02-Kwa-s	18: ARDG-000604-TIR1B-10015MS52-MV	19: ARDG-000605-TIR1B-10015MS52-MV	20: ARDG-000606-TIR01B-10010MS02-SAM	21: ARDG-000607-TIR01B-10010MS02-SAM	22: ARDG-000608-TIR01B-10010MS02-SAM
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.644	0.490	0.557	0.804	0.714	0.821	0.734	0.537	0.554	0.689	0.557
As [mg/L]	0.143	0.0523	0.0804	0.241	0.373	0.125	0.0013	0.0364	0.0353	0.254	0.0872
Ba [mg/L]	0.00439	0.00369	0.00619	0.00224	0.00259	0.00183	0.0180	0.00050	0.00047	0.00358	0.00490
B [mg/L]	0.008	0.011	0.008	0.011	0.009	0.013	0.007	0.013	0.010	0.009	0.011
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	11.2	13.1	16.5	8.16	9.91	8.28	12.2	11.9	12.1	9.68	16.6
Cd [mg/L]	0.000004	< 0.000003	0.000021	0.000006	0.000003	0.000003	< 0.000003	< 0.000003	0.000005	0.000003	0.000003
Co [mg/L]	0.000036	0.000037	0.000114	0.000052	0.000032	0.000020	0.000008	0.000033	0.000031	0.000050	0.000037
Cr [mg/L]	0.00009	< 0.00008	0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	0.0003	0.0002	< 0.0002	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	17.1	16.2	29.2	23.9	20.1	20.7	2.54	4.62	4.45	20.1	18.5
Li [mg/L]	0.0014	0.0010	0.0022	0.0010	0.0015	0.0009	0.0018	0.0014	0.0013	0.0012	0.0015
Mg [mg/L]	3.85	4.88	8.61	3.06	3.56	2.54	2.40	5.16	5.20	3.22	4.49
Mn [mg/L]	0.00179	0.00153	0.00367	0.00087	0.00098	0.00074	0.00247	0.00270	0.00254	0.00086	0.00223
Mo [mg/L]	0.00718	0.00505	0.00847	0.00691	0.00886	0.00726	0.00261	0.00416	0.00366	0.00731	0.00570
Na [mg/L]	22.0	20.5	20.6	16.1	18.6	16.9	17.6	29.1	27.3	31.7	38.7
Ni [mg/L]	0.0001	0.0002	0.0002	0.0002	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	0.00099	< 0.00009	< 0.00009	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0034	0.0030	0.0070	0.0101	0.0090	0.0073	< 0.0009	0.0046	0.0044	0.0058	0.0045
Se [mg/L]	0.00048	0.00027	0.00151	0.00074	0.00099	0.00044	0.00038	0.00174	0.00169	0.00068	0.00093
Si [mg/L]	2.01	1.53	1.70	1.78	1.88	1.57	1.34	1.29	1.44	1.93	2.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0529	0.0634	0.107	0.0340	0.0443	0.0309	0.0325	0.0152	0.0159	0.0485	0.0815
Ti [mg/L]	< 0.00005	< 0.00005	< 0.00005	0.00012	0.00009	0.00013	< 0.00005	< 0.00005	< 0.00005	0.00008	0.00008
Tl [mg/L]	0.000007	0.000008	0.000018	0.000010	0.000008	0.000007	< 0.000005	< 0.000005	0.000005	0.000009	0.000012
U [mg/L]	0.000168	0.000091	0.000841	0.000327	0.000561	0.000225	0.000004	0.000015	0.000009	0.000124	0.000288
W [mg/L]	0.00429	0.00131	0.00812	0.00509	0.0130	0.00323	0.00104	0.00230	0.00193	0.00253	0.00282
V [mg/L]	0.00179	0.00121	0.00149	0.00303	0.00378	0.00263	0.00172	0.00156	0.00155	0.00260	0.00177
Zn [mg/L]	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

OnLine LIMS

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Project : PO#1254179

LR Report : **CA19086-MAY23**

Analysis	23: ARDG-000609-TIR01B-10010MS02-SAM	24: ARDG-000610-TIR01B-10010MS02-SAM	25: ARDG-00611-TIR01B-10015MS52-MV	26: ARDG 000591-TIR01C-10050MS02-MV	27:BLK: $D.I. Leachate Blank
Sample Date & Time	27-Apr-23	27-Apr-23	28-Apr-23		
Sample weight [g]	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	8.82	9.05	8.72	8.67	5.62
pH [No unit]	8.04	8.16	8.17	7.90	5.90
Conductivity [uS/cm]	394	353	206	432	< 2
Alkalinity [mg/L as CaCO3]	45	49	63	38	< 2
SO4 [mg/L]	56	34	21	53	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.477	0.578	0.496	0.443	0.001
As [mg/L]	0.0545	0.237	0.0184	0.0349	< 0.0002
Ba [mg/L]	0.00576	0.00373	0.00043	0.00708	< 0.00008
B [mg/L]	0.014	0.014	0.013	0.019	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	14.0	11.4	10.5	19.5	0.04
Cd [mg/L]	0.000011	0.000004	< 0.000003	0.000006	< 0.000003
Co [mg/L]	0.000068	0.000039	0.000018	0.000059	< 0.000004
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00024	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	0.021	< 0.007	< 0.007
K [mg/L]	20.6	21.1	3.73	17.3	< 0.009
Li [mg/L]	0.0013	0.0016	0.0014	0.0013	< 0.0001
Mg [mg/L]	5.79	4.44	4.62	5.62	0.004
Mn [mg/L]	0.00359	0.00137	0.00212	0.00244	0.00009
Mo [mg/L]	0.0101	0.00885	0.00318	0.00758	0.00006
Na [mg/L]	41.2	38.7	24.2	47.1	0.02
Ni [mg/L]	0.0002	0.0002	< 0.0001	0.0006	< 0.0001
Pb [mg/L]	0.00050	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0034	0.0072	0.0030	0.0021	< 0.0009
Se [mg/L]	0.00084	0.00077	0.00113	0.00094	< 0.00004
Si [mg/L]	1.65	1.71	1.23	1.81	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00007
Sr [mg/L]	0.0694	0.0568	0.0151	0.113	0.00012

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Project : PO#1254179

LR Report : **CA19086-MAY23**

Analysis	23: ARDG-000609-TIR01B-10010MS02-SAM	24: ARDG-000610-TIR01B-10010MS02-SAM	25: ARDG-00611-TIR01B-10015MS52-MV	26: ARDG 000591-TIR01C-10050MS02-MV	27:BLK: $D.I. Leachate Blank
Ti [mg/L]	0.00006	0.00005	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	0.000011	0.000014	< 0.000005	0.000009	< 0.000005
U [mg/L]	0.000264	0.000188	0.000004	0.000127	< 0.000002
W [mg/L]	0.00294	0.00391	0.00226	0.00317	< 0.00002
V [mg/L]	0.00108	0.00239	0.00124	0.00104	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Project : PO#1254179

07-June-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 10 May 2023
LR Report: **CA19085-MAY23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000591-TIR01 C-10050MS02-MV	6: ARDG 000592-TIR01 C-10050MS02-MV	7: ARDG 000593-TIR01 C-10050MS02-MV
Sample Date & Time					19-Apr-23	19-Apr-23	19-Apr-23
Ag [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	< 0.5	< 0.5	< 0.5
Al [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	68000	69000	60000
As [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	24	26	96
Ba [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	680	680	580
Be [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	1.1	1.1	1.1
Bi [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	0.13	0.13	0.16
Ca [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	17000	15000	11000
Cd [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	0.14	0.13	0.09
Co [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	16	16	15
Cr [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	40	39	53
Cu [µg/g]	01-Jun-23	16:40	07-Jun-23	13:15	39	40	39
Fe [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	27000	28000	26000
K [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	15000	15000	13000
Li [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	34	34	30
Mg [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	11000	11000	10000
Mn [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	300	300	270
Mo [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	1.2	1.4	1.4
Ni [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	51	54	51
Pb [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	15	16	14
Sb [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	< 0.8	< 0.8	< 0.8
Se [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	< 0.1	< 0.1	< 0.1
Sn [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	< 6	< 6	< 6
Sr [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	370	370	330
Ti [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	640	660	900
Tl [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	0.31	0.33	0.27
U [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	1.5	1.2	0.95

OnLine LIMS

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Project : PO#1254179

LR Report : **CA19085-MAY23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000591-TIR01 C-10050MS02-MV	6: ARDG 000592-TIR01 C-10050MS02-MV	7: ARDG 000593-TIR01 C-10050MS02-MV
V [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	65	69	64
Y [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	6.3	5.9	4.7
Zn [µg/g]	01-Jun-23	16:40	07-Jun-23	13:16	66	66	66

Analysis	8: ARDG 000594-TIR01 C-10050MS02-MV	9: ARDG 000595-TIR01 C-10050MS02-MV	10: ARDG 000596-TIR01 C-10050MS02-MV	11: ARDG 000597-TIR01 C-10050MS02-MV	12: ARDG 000598-TIR01 C-10050MS02-MV	13: ARDG 000599-TIR01 C-10050MS02-MV	14: ARDG-000600 -TIR1B10010 MS02-Kwa-s
Sample Date & Time	19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23	19-Apr-23	23-Apr-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	59000	50000	65000	60000	67000	73000	69000
As [µg/g]	37	47	37	100	78	46	56
Ba [µg/g]	650	590	570	650	900	600	720
Be [µg/g]	1.1	1.1	1.3	1.1	1.3	1.3	1.3
Bi [µg/g]	0.12	0.13	0.14	0.13	0.16	0.13	0.33
Ca [µg/g]	14000	9700	9900	10000	12000	18000	17000
Cd [µg/g]	0.12	0.11	0.10	0.10	0.11	0.14	0.09
Co [µg/g]	17	17	20	16	16	18	17
Cr [µg/g]	41	68	56	48	37	43	29
Cu [µg/g]	36	40	44	42	38	37	60
Fe [µg/g]	26000	27000	36000	27000	28000	36000	28000
K [µg/g]	15000	14000	17000	14000	17000	17000	19000
Li [µg/g]	32	32	41	30	31	38	28
Mg [µg/g]	11000	11000	14000	10000	11000	17000	10000
Mn [µg/g]	300	280	280	280	320	460	320
Mo [µg/g]	1.4	1.4	2.0	1.4	1.4	1.2	1.5
Ni [µg/g]	48	57	70	54	55	58	46
Pb [µg/g]	16	14	13	13	19	14	22
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	340	270	270	300	360	340	370
Ti [µg/g]	730	780	970	880	1000	860	2400
Tl [µg/g]	0.32	0.29	0.38	0.31	0.39	0.38	0.41
U [µg/g]	0.73	0.70	0.90	1.2	1.2	0.93	1.2
V [µg/g]	65	69	85	65	64	87	70
Y [µg/g]	4.5	3.5	4.5	4.3	5.6	6.1	6.6
Zn [µg/g]	67	96	81	72	70	73	52

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Project : PO#1254179

LR Report : **CA19085-MAY23**

Analysis	15: ARDG-000601-TIR1B10010MS02-Kwa-s	16: ARDG-000602-TIR1B10010MS02-Kwa-s	17: ARDG-000603-TIR1B10010MS02-Kwa-s	18: ARDG-000604-TIR1B-10015MS52-MV	19: ARDG-000605-TIR1B-10015MS52-MV	20: ARDG-000606-TIR01B-10010MS02-SAM	21: ARDG-000607-TIR01B-10010MS02-SAM
Sample Date & Time	23-Apr-23	23-Apr-23	23-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23	27-Apr-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	72000	78000	71000	70000	71000	72000	78000
As [µg/g]	900	850	1600	15	66	67	69
Ba [µg/g]	640	630	740	62	110	100	840
Be [µg/g]	1.3	1.3	1.4	0.28	0.45	0.41	1.3
Bi [µg/g]	0.38	0.23	0.26	< 0.09	< 0.09	< 0.09	0.18
Ca [µg/g]	11000	13000	12000	89000	86000	86000	9800
Cd [µg/g]	0.08	0.09	0.08	0.13	0.11	0.11	0.14
Co [µg/g]	17	16	18	46	42	41	20
Cr [µg/g]	43	42	55	88	76	90	48
Cu [µg/g]	43	40	44	113	91	90	36
Fe [µg/g]	31000	27000	35000	59000	59000	57000	36000
K [µg/g]	19000	17000	23000	2000	5400	5100	18000
Li [µg/g]	31	27	33	79	64	59	44
Mg [µg/g]	12000	10000	12000	21000	21000	21000	14000
Mn [µg/g]	280	260	260	2000	1500	1500	340
Mo [µg/g]	1.6	1.4	1.5	0.3	0.3	0.3	1.5
Ni [µg/g]	56	51	61	122	106	106	67
Pb [µg/g]	60	10	13	3.1	6.4	6.8	11
Sb [µg/g]	< 0.8	< 0.8	0.9	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.1	< 0.1	< 0.1	0.1	< 0.1	0.1	< 0.1
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	280	360	240	94	120	120	280
Ti [µg/g]	2300	1800	2600	1300	1300	1400	1600
Tl [µg/g]	0.41	0.34	0.53	0.03	0.22	0.21	0.41
U [µg/g]	1.2	1.5	1.6	0.032	0.036	0.070	1.2
V [µg/g]	75	70	82	210	200	200	87
Y [µg/g]	5.2	6.5	5.6	13	7.5	7.3	5.7
Zn [µg/g]	63	58	60	81	82	80	70

Analysis	22: ARDG-000608-TIR01B-10010MS02-SAM	23: ARDG-000609-TIR01B-10010MS02-SAM	24: ARDG-000610-TIR01B-10010MS02-SAM	25: ARDG-00611-TIR01B-10015MS52-MV
Sample Date & Time	27-Apr-23	27-Apr-23	27-Apr-23	28-Apr-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	63000	71000	65000	70000
As [µg/g]	44	73	320	38
Ba [µg/g]	540	780	590	93
Be [µg/g]	1.1	1.3	1.3	0.47

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Project : PO#1254179

LR Report : **CA19085-MAY23**

Analysis	22: ARDG-00060 8-TIR01B-100 10MS02-SAM	23: ARDG-00060 9-TIR01B-100 10MS02-SAM	24: ARDG-00061 0-TIR01B-100 10MS02-SAM	25: ARDG-00611-TIR01B-10015 MS52-MV
Bi [µg/g]	0.19	0.18	0.16	< 0.09
Ca [µg/g]	13000	11000	13000	83000
Cd [µg/g]	0.11	0.11	0.09	0.12
Co [µg/g]	17	18	18	41
Cr [µg/g]	46	42	51	120
Cu [µg/g]	44	44	47	79
Fe [µg/g]	28000	32000	28000	59000
K [µg/g]	14000	18000	18000	4900
Li [µg/g]	35	37	29	68
Mg [µg/g]	9900	12000	10000	24000
Mn [µg/g]	300	320	250	1500
Mo [µg/g]	1.3	1.4	1.2	0.4
Ni [µg/g]	53	62	56	104
Pb [µg/g]	8.7	14	8.6	4.1
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	290	280	270	140
Ti [µg/g]	1100	1700	2400	1000
Tl [µg/g]	0.28	0.42	0.39	0.17
U [µg/g]	1.1	1.0	0.91	0.032
V [µg/g]	66	77	68	200
Y [µg/g]	6.1	4.9	5.1	7.3
Zn [µg/g]	62	69	56	83

Catharine Arnold

CHARTERED CHEMICAL PROFESSION OF ONTARIO CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

12-July-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 23 May 2023
LR Report: **CA19149-MAY23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000612-TIR01C-10050MS03-Kwa-s	6: ARDG 000613-TIR01C-10050MS03-Kwa-s	7: ARDG 000614-TIR01C-10050MS03-Kwa-s
Sample Date & Time					12-May-23	12-May-23	12-May-23
Paste pH [no unit]	08-Jun-23	09:37	12-Jun-23	16:03	9.24	9.16	8.86
Fizz Rate [rating]	08-Jun-23	09:37	12-Jun-23	16:03	3	2	2
Sample weight [g]	08-Jun-23	09:37	12-Jun-23	16:03	2.05	2.03	2.03
HCl_add [mL]	09-Jun-23	07:22	12-Jun-23	16:03	40.00	30.00	40.00
HCl [Normality]	08-Jun-23	09:37	12-Jun-23	16:03	0.10	0.10	0.10
NaOH [Normality]	08-Jun-23	09:37	12-Jun-23	16:03	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Jun-23	10:34	12-Jun-23	16:03	25.87	16.99	22.19
Final pH [no unit]	09-Jun-23	10:34	12-Jun-23	16:03	1.50	1.51	1.51
NP [t CaCO3/1000 t]	09-Jun-23	10:34	12-Jun-23	16:03	34.5	32.0	43.9
AP [t CaCO3/1000 t]	11-Jul-23	12:52	12-Jul-23	11:28	4.38	5.00	7.19
Net NP [t CaCO3/1000 t]	11-Jul-23	12:52	12-Jul-23	11:28	30.1	27.0	36.7
NP/AP [ratio]	11-Jul-23	12:52	12-Jul-23	11:28	7.89	6.40	6.11
S [%]	07-Jul-23	13:42	12-Jul-23	11:20	0.295	0.267	0.325
. [%]	11-Jul-23	12:52	12-Jul-23	11:20	0.16	0.11	0.10
Sulphide [%]	11-Jul-23	12:52	12-Jul-23	11:20	0.14	0.16	0.23
C [%]	07-Jul-23	13:42	12-Jul-23	11:19	0.801	0.531	0.699
CO3 (HCl) as %CO3 [%]	07-Jul-23	08:42	12-Jul-23	11:19	3.48	2.04	3.00

Analysis	8: ARDG 000615-TIR01C-10050MS03-Kwa-s	9: ARDG 000616-TIR01C-10050MS03-Kwa-s	10: ARDG 000617-TIR01C-10050MS03-Kwa-s	11: ARDG 000618-TIR01C-10050MS03-Kwa-s
Sample Date & Time	12-May-23	12-May-23	12-May-23	13-May-23
Paste pH [no unit]	9.14	9.40	9.12	9.27

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Project : PO#1254179

LR Report : **CA19149-MAY23**

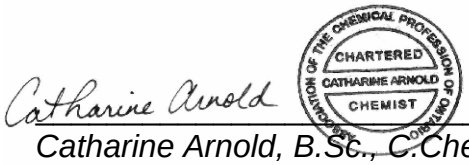
Analysis	8: ARDG 000615-TIR01 C-10050MS03-Kwa-s	9: ARDG 000616-TIR01 C-10050MS03-Kwa-s	10: ARDG 000617-TIR01 C-10050MS03-Kwa-s	11: ARDG 000618-TIR01 C-10050MS03-Kwa-s
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	1.99	1.99	2.01	2.03
HCl_add [mL]	40.00	30.00	30.00	30.00
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17.71	16.77	13.23	15.54
Final pH [no unit]	1.58	1.65	1.69	1.84
NP [t CaCO3/1000 t]	56.0	33.2	41.7	35.6
AP [t CaCO3/1000 t]	5.00	5.00	4.69	6.25
Net NP [t CaCO3/1000 t]	51.0	28.2	37.0	29.4
NP/AP [ratio]	11.2	6.64	8.90	5.70
S [%]	0.223	0.198	0.222	0.323
. [%]	0.06	< 0.04	0.07	0.12
Sulphide [%]	0.16	0.16	0.15	0.20
C [%]	0.875	0.494	0.623	0.452
CO3 (HCl) as %CO3 [%]	3.70	1.64	2.60	1.67

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.



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OnLine LIMS

0003395756

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Project : PO#1254179

26-June-2023

Date Rec. : 23 May 2023
LR Report: **CA19151-MAY23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000612-TIR01C-10050MS03-Kwa-s	6: ARDG 000613-TIR01C-10050MS03-Kwa-s	7: ARDG 000614-TIR01C-10050MS03-Kwa-s	8: ARDG 000615-TIR01C-10050MS03-Kwa-s	9: ARDG 000616-TIR01C-10050MS03-Kwa-s	10: ARDG 000617-TIR01C-10050MS03-Kwa-s	11: ARDG 000618-TIR01C-10050MS03-Kwa-s
Sample Date & Time					12-May-23	12-May-23	12-May-23	12-May-23	12-May-23	12-May-23	13-May-23
Sample weight [g]	05-Jun-23	09:05	09-Jun-23	16:09	250	250	250	250	250	250	250
Volume D.I. Water [mL]	05-Jun-23	09:05	09-Jun-23	16:09	750	750	750	750	750	750	750
pH [no unit]	09-Jun-23	09:25	09-Jun-23	16:09	9.08	8.82	8.98	8.97	9.14	8.91	8.85
pH [No unit]	09-Jun-23	15:41	12-Jun-23	12:19	8.08	8.14	8.10	8.08	8.12	7.91	8.04
Conductivity [uS/cm]	09-Jun-23	15:41	12-Jun-23	12:19	253	242	371	274	222	231	267
Alkalinity [mg/L as CaCO3]	09-Jun-23	15:41	12-Jun-23	12:19	53	51	52	49	47	45	44
SO4 [mg/L]	09-Jun-23	15:26	09-Jun-23	16:48	16	16	46	14	25	17	36
Hg [mg/L]	13-Jun-23	10:00	23-Jun-23	16:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.724	0.753	0.554	0.715	0.455	0.747	0.541
As [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.0508	0.0395	0.0537	0.0549	0.0225	0.128	0.0109
Ba [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00236	0.00210	0.00416	0.00389	0.00271	0.00269	0.00733
B [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.012	0.012	0.013	0.010	0.015	0.019	0.010
Be [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000011
Bi [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Ca [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	7.35	7.06	12.5	8.49	5.37	8.52	7.94
Cd [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.000005	0.000004	0.000013	0.000004	0.000010	0.000008	0.000020
Co [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.000018	0.000080	0.000047	0.000025	0.000059	0.000032	0.000096

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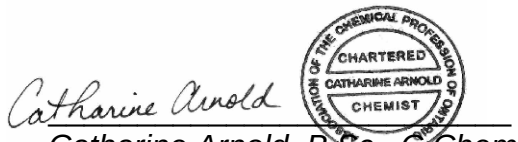
Project : PO#1254179

LR Report : **CA19151-MAY23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000612-TIR01C-10050MS03-Kwa-s	6: ARDG 000613-TIR01C-10050MS03-Kwa-s	7: ARDG 000614-TIR01C-10050MS03-Kwa-s	8: ARDG 000615-TIR01C-10050MS03-Kwa-s	9: ARDG 000616-TIR01C-10050MS03-Kwa-s	10: ARDG 000617-TIR01C-10050MS03-Kwa-s	11: ARDG 000618-TIR01C-10050MS03-Kwa-s
Cr [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00012	0.00039	< 0.00008	0.00010	0.00013	0.00011	0.00198
Cu [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.0004	0.0003	< 0.0002	< 0.0002	0.0004	< 0.0002	0.0019
Fe [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.007	0.016	< 0.007	< 0.007	0.043	< 0.007	0.137
K [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	22.3	21.6	25.2	18.0	16.1	17.3	19.6
Li [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.0007	0.0008	0.0011	0.0010	0.0016	0.0009	0.0020
Mg [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	2.30	2.12	6.03	2.77	1.80	2.29	2.34
Mn [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00080	0.00085	0.00181	0.00172	0.00141	0.00094	0.00471
Mo [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00469	0.00391	0.00598	0.00650	0.00741	0.00873	0.00985
Na [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	28.8	26.8	40.1	28.8	31.3	27.3	34.1
Ni [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0047
Pb [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00018	< 0.00009	0.00035	< 0.00009	0.00010	< 0.00009	0.00022
Sb [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.0053	0.0047	0.0038	0.0049	0.0045	0.0053	0.0059
Se [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00020	0.00022	0.00074	0.00018	0.00045	0.00019	0.00018
Si [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	1.63	1.56	1.79	1.92	2.64	1.95	1.99
Sn [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	< 0.00006	< 0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006	0.00054
Sr [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.0367	0.0361	0.0705	0.0494	0.0176	0.0456	0.0312
Ti [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00018	0.00013	0.00006	0.00009	0.00158	0.00007	0.00065
Tl [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.000007	0.000009	0.000017	< 0.000005	0.000011	< 0.000005	0.000030
U [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.000075	0.000072	0.000211	0.000156	0.000047	0.000208	0.000123
V [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.00234	0.00250	0.00163	0.00291	0.0100	0.00336	0.00527
Zn [mg/L]	19-Jun-23	14:43	23-Jun-23	16:13	0.003	< 0.002	0.010	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



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Project : PO#1254179

07-June-2023

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Date Rec. : 23 May 2023
LR Report: **CA19150-MAY23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000612-TIR01C-10050MS03-Kwa-s10050MS-s	6: ARDG 000613-TIR01C-10050MS03-Kwa-s	7: ARDG 000614-TIR01C-10050MS03-Kwa-s	8: ARDG 000615-TIR01C-10050MS03-Kwa-s	9: ARDG 000616-TIR01C-10050MS03-Kwa-s
Sample Date & Time					12-May-23	12-May-23	12-May-23	12-May-23	12-May-23
Ag [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	63000	56000	55000	64000	67000
As [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	47	33	48	64	20
Ba [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	640	500	480	600	120
Be [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	1.2	1.2	1.1	0.99	0.52
Bi [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	0.17	0.14	0.16	0.15	< 0.09
Ca [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	7600	7200	10000	16000	49000
Cd [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	0.10	0.09	0.11	0.13	0.11
Co [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	23	21	23	16	33
Cr [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	90	86	75	71	87
Cu [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	44	48	50	39	72
Fe [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	39000	38000	34000	28000	65000
K [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	20000	19000	16000	13000	3500
Li [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	48	46	36	29	30
Mg [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	16000	15000	12000	11000	27000
Mn [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	330	300	290	360	1100
Mo [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	1.9	2.1	1.7	1.5	0.7
Ni [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	80	77	73	50	51
Pb [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	13	12	10	12	8.0
Sb [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	< 0.8	< 0.8	< 0.8	< 0.8	1.1
Se [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	< 0.1	< 0.1	< 0.1	< 0.1	0.1
Sn [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	250	200	230	400	260
Ti [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	820	800	1100	700	4400
Tl [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	0.46	0.43	0.40	0.27	0.11
U [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	1.4	0.99	0.90	1.2	0.30
V [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	110	100	86	66	190
Y [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	5.0	3.7	4.4	7.2	16
Zn [µg/g]	01-Jun-23	16:40	07-Jun-23	13:21	93	89	80	69	70

OnLine LIMS

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SGS Canada Inc.
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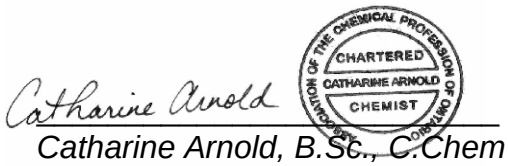
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel

Project : PO#1254179

LR Report : **CA19150-MAY23**

Analysis	10: ARDG 000617-TIR01C-10050MS03-Kwa-s	11: ARDG 000618-TIR01C-10050MS03-Kwa-s
Sample Date & Time	12-May-23	13-May-23
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	65000	69000
As [µg/g]	150	19
Ba [µg/g]	660	290
Be [µg/g]	0.99	0.86
Bi [µg/g]	0.13	< 0.09
Ca [µg/g]	12000	26000
Cd [µg/g]	0.10	0.08
Co [µg/g]	16	28
Cr [µg/g]	112	81
Cu [µg/g]	39	46
Fe [µg/g]	27000	53000
K [µg/g]	14000	5300
Li [µg/g]	28	38
Mg [µg/g]	9900	18000
Mn [µg/g]	300	720
Mo [µg/g]	1.6	1.2
Ni [µg/g]	53	49
Pb [µg/g]	12	7.6
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	< 0.1	< 0.1
Sn [µg/g]	< 6	< 6
Sr [µg/g]	410	250
Ti [µg/g]	440	4200
Tl [µg/g]	0.29	0.13
U [µg/g]	1.5	0.99
V [µg/g]	71	150
Y [µg/g]	5.9	14
Zn [µg/g]	69	62



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003357783

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29-August-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
Canada, X0C 0A0
Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 14 June 2023
LR Report: **CA19117-JUN23**
Reference: 1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000619-TIR01B-10015MS52-MIXED-Test packet	6: ARDG-000620-TIR01B-10010MS03-Kwa-s	7: ARDG-000621-TIR01B-10010MS03-Kwa-s	8: ARDG-000622-TIR01B-10010MS03-Kwa-s
Sample Date & Time					20-May-23	28-May-23	28-May-23	28-May-23
Paste pH [no unit]	17-Jul-23	10:19	18-Jul-23	15:55	7.93	8.73	8.82	9.12
Fizz Rate [rating]	17-Jul-23	10:19	18-Jul-23	15:55	3	3	2	3
Sample weight [g]	17-Jul-23	10:19	18-Jul-23	15:55	2.11	2.01	2.01	2.07
HCl_add [mL]	18-Jul-23	10:14	18-Jul-23	15:55	25.00	40.00	20.00	55.00
HCl [Normality]	17-Jul-23	10:19	18-Jul-23	15:55	0.10	0.10	0.10	0.10
NaOH [Normality]	17-Jul-23	10:19	18-Jul-23	15:55	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	18-Jul-23	10:14	18-Jul-23	15:55	13.80	17.30	20.00	20.23
Final pH [no unit]	18-Jul-23	10:14	18-Jul-23	15:55	1.69	1.77	1.68	1.87
NP [t CaCO3/1000 t]	18-Jul-23	10:14	18-Jul-23	15:55	26.5	56.5	0.0	84.0
AP [t CaCO3/1000 t]	04-Aug-23	17:24	04-Aug-23	17:24	313	5.31	3.75	4.06
Net NP [t CaCO3/1000 t]	04-Aug-23	17:24	04-Aug-23	17:24	-286.62	51.2	-3.75	79.9
NP/AP [ratio]	04-Aug-23	17:24	04-Aug-23	17:24	0.08	10.6	0.00	20.7
S [%]	02-Aug-23	18:27	04-Aug-23	17:24	11.0	0.254	0.171	0.215
Acid Leachable SO4-S [%]	04-Aug-23	17:24	04-Aug-23	17:24	1.00	0.08	0.05	0.08
Sulphide [%]	02-Aug-23	09:02	04-Aug-23	17:24	10.0	0.17	0.12	0.13
C [%]	02-Aug-23	18:27	04-Aug-23	17:24	2.12	0.835	0.779	1.42
CO3 (HCl) as %CO3 [%]	04-Aug-23	07:58	23-Aug-23	13:17	2.66	3.75	3.48	6.26

Analysis	9: ARDG-000623-TIR01B-10010MTS03-MV	10: ARDG-000624-TIR01B-10010MTS03-MV	11: ARDG-000625-TIR01B-10010MTS03-MV	12: ARDG-000626-TIR01B-10010MTS03-MV	13: ARDG-000627-TIR01B-10010MTS03-MV	14: ARDG-000628-TIR01B-10010MTS03-MV	15: ARDG-000629-TIR01B-10010MS03-Kwa-s	16: ARDG-000630-TIR01B-10010MS03-Kwa-s
Sample Date & Time	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23
Paste pH [no unit]	8.74	8.67	8.91	8.80	8.72	8.72	8.91	8.51
Fizz Rate [rating]	4	4	4	4	4	4	3	3
Sample weight [g]	1.96	1.98	2.04	2.07	2.04	2.09	1.96	2.09
HCl_add [mL]	110.00	100.00	110.00	100.00	105.00	110.00	45.00	45.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	20.11	18.30	22.17	22.31	20.21	25.24	19.90	23.80
Final pH [no unit]	1.98	1.98	1.99	1.82	1.93	1.86	1.70	1.58

OnLine LIMS

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LR Report : **CA19117-JUN23**

Analysis	9: ARDG-000623-TIR01B-10010MTS03-MV	10: ARDG-000624-TIR01B-10010MTS03-MV	11: ARDG-000625-TIR01B-10010MTS03-MV	12: ARDG-000626-TIR01B-10010MTS03-MV	13: ARDG-000627-TIR01B-10010MTS03-MV	14: ARDG-000628-TIR01B-10010MTS03-MV	15: ARDG-000629-TIR01B-10010MTS03-Kwa-s	16: ARDG-000630-TIR01B-10010MTS03-Kwa-s
NP [t CaCO3/1000 t]	229	206	215	188	208	203	64.0	50.7
AP [t CaCO3/1000 t]	3.75	8.75	2.50	4.69	7.81	7.50	5.31	4.38
Net NP [t CaCO3/1000 t]	226	198	213	183	200	195	58.7	46.3
NP/AP [ratio]	61.1	23.6	86.1	40.0	26.6	27.0	12.0	11.6
S [%]	0.138	0.397	0.108	0.179	0.330	0.319	0.247	0.175
Acid Leachable SO4-S [%]	< 0.04	0.12	< 0.04	< 0.04	0.08	0.08	0.08	< 0.04
Sulphide [%]	0.12	0.28	0.08	0.15	0.25	0.24	0.17	0.14
C [%]	3.64	3.87	3.59	2.46	3.96	3.92	1.01	0.790
CO3 (HCl) as %CO3 [%]	17.8	18.6	17.6	11.7	19.4	19.1	4.58	3.44

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

28-September-2023

Date Rec. : 14 September 2023
LR Report: **CA19130-SEP23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	7: ARDG-000621 -TIR01B-1001 0MS03-Kwa-s
Sample Date & Time					28-May-23
Paste pH [no unit]	18-Sep-23	09:15	21-Sep-23	10:19	8.94
Fizz Rate [rating]	18-Sep-23	09:15	21-Sep-23	10:19	2
Sample weight [g]	18-Sep-23	09:15	21-Sep-23	10:19	2.03
HCl_add [mL]	19-Sep-23	07:14	21-Sep-23	10:19	40.00
HCl [Normality]	18-Sep-23	09:15	21-Sep-23	10:19	0.10
NaOH [Normality]	18-Sep-23	09:15	21-Sep-23	10:19	0.10
Vol NaOH to pH=8.3 [mL]	19-Sep-23	08:32	21-Sep-23	10:19	18.66
Final pH [no unit]	19-Sep-23	08:32	21-Sep-23	10:19	1.72
NP [t CaCO3/1000 t]	19-Sep-23	08:32	21-Sep-23	10:19	52.6
AP [t CaCO3/1000 t]	27-Sep-23	14:42	27-Sep-23	14:49	2.50
Net NP [t CaCO3/1000 t]	27-Sep-23	14:42	27-Sep-23	14:49	50.1
NP/AP [ratio]	27-Sep-23	14:42	27-Sep-23	14:49	21.0
S [%]	26-Sep-23	13:00	27-Sep-23	14:41	0.165
Acid Leachable SO4-S [%]	27-Sep-23	14:41	27-Sep-23	14:41	0.08

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Project : PO#1254179

LR Report : **CA19130-SEP23**

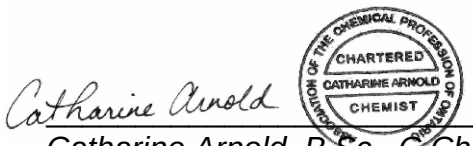
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	7: ARDG-000621 -TIR01B-1001 0MS03-Kwa-s
Sulphide [%]	27-Sep-23	14:26	27-Sep-23	14:41	0.08
C [%]	26-Sep-23	13:00	27-Sep-23	11:29	0.769
CO3 (HCl) as %CO3 [%]	27-Sep-23	11:03	27-Sep-23	11:29	0.09

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
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mel

31-July-2023

Agnico Eagle Mines Limited
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Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 14 June 2023
LR Report: **CA19119-JUN23**
Reference: Meliadine 1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000619-TIR01B-10015MS52-MIXED-Test packet	6: ARDG-000620-TIR01B-10010MS03-Kwa-s	7: ARDG-000621-TIR01B-10010MS03-Kwa-s
Sample Date & Time					20-May-23	28-May-23	28-May-23
Sample weight [g]	17-Jul-23	07:00	19-Jul-23	16:47	250	250	250
Volume D.I. Water [mL]	17-Jul-23	07:00	19-Jul-23	16:47	750	750	750
pH [no unit]	18-Jul-23	14:04	19-Jul-23	16:47	8.01	8.86	8.99
pH [No unit]	18-Jul-23	15:25	20-Jul-23	11:55	7.84	7.95	7.99
Conductivity [uS/cm]	18-Jul-23	15:25	20-Jul-23	11:55	515	287	356
Alkalinity [mg/L as CaCO3]	18-Jul-23	15:25	20-Jul-23	11:55	49	48	48
SO4 [mg/L]	19-Jul-23	09:09	19-Jul-23	10:58	150	55	40
Hg [mg/L]	19-Jul-23	09:57	20-Jul-23	17:00	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.00036	< 0.00005	< 0.00005
Al [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.069	0.440	0.451
As [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.0023	0.0851	0.0980
Ba [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.00660	0.00288	0.00307
B [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.022	0.012	0.012
Be [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.00001	< 0.00001	< 0.00001
Ca [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	73.5	15.1	13.4
Cd [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.000016	0.000004	< 0.000003
Co [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.000236	0.000077	0.000064
Cr [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	< 0.00008	0.00008	< 0.00008
Cu [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	< 0.0002	0.0002	< 0.0002
Fe [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	< 0.007	0.047	< 0.007
K [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	10.6	20.7	22.3
Li [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.0043	0.0016	0.0015
Mg [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	7.75	6.10	6.30
Mn [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.04969	0.00202	0.00165
Mo [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.00326	0.00413	0.00572
Na [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	18.8	20.1	35.0

OnLine LIMS

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LR Report : **CA19119-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000619-TIR01B-10015MS52-MIXED-Test packet	6: ARDG-000620-TIR01B-10010MS03-Kwa-s	7: ARDG-000621-TIR01B-10010MS03-Kwa-s
Ni [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.0031	0.0024	0.0009
Pb [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.01060	< 0.00009	< 0.00009
Sb [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.0050	0.0050	0.0061
Se [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.0171	0.00089	0.00094
Si [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	1.30	1.32	1.45
Sn [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.246	0.0613	0.0612
Ti [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	< 0.00007	0.00014	0.00018
Tl [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.000055	0.000008	0.000009
U [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.000205	0.000189	0.000188
V [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	0.00002	0.00083	0.00107
Zn [mg/L]	20-Jul-23	21:21	24-Jul-23	16:33	< 0.002	< 0.002	0.003

Analysis	8: ARDG-000622-TIR01B-10010MS03-Kwa-s	9: ARDG-000623-TIR01B-10010MS03-MV	10: ARDG-000624-TIR01B-10010MS03-MV	11: ARDG-000625-TIR01B-10010MS03-MV	12: ARDG-000626-TIR01B-10010MS03-MV	13: ARDG-000627-TIR01B-10010MS03-MV	14: ARDG-000628-TIR01B-10010MS03-MV
Sample Date & Time	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23
Sample weight [g]	250	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	9.29	8.89	8.81	9.05	9.09	9.02	8.78
pH [No unit]	8.16	7.92	7.95	8.09	8.00	7.99	8.12
Conductivity [uS/cm]	222	440	506	222	239	288	377
Alkalinity [mg/L as CaCO3]	55	48	53	58	43	51	65
SO4 [mg/L]	34	49	76	32	47	36	74
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	0.00016	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.552	0.453	0.317	0.462	0.492	0.475	0.306
As [mg/L]	0.198	0.167	0.134	0.168	0.0043	0.0126	0.0454
Ba [mg/L]	0.00295	0.00054	0.00077	0.00041	0.00045	0.00087	0.00054
B [mg/L]	0.009	0.016	0.017	0.013	0.017	0.019	0.017
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	10.4	14.5	17.4	9.89	9.49	9.97	17.3
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co [mg/L]	0.000036	0.000090	0.000130	0.000052	0.000030	0.000062	0.000093
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0003	0.0002	< 0.0002	< 0.0002	0.0003	0.0003
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.052	< 0.007
K [mg/L]	22.4	5.18	6.88	2.78	6.27	8.34	4.28
Li [mg/L]	0.0014	0.0021	0.0023	0.0013	0.0011	0.0014	0.0027
Mg [mg/L]	4.30	7.25	10.4	5.45	2.28	3.56	11.9

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LR Report : **CA19119-JUN23**

Analysis	8: ARDG-000622-T IR01B-10010MS 03-Kwa-s	9: ARDG-000623-T IR01B-10010MS 03-MV	10: ARDG-000624-T IR01B-10010MS 03-MV	11: ARDG-000625-T IR01B-10010MS 03-MV	12: ARDG-000626-T IR01B-10010MS 03-MV	13: ARDG-000627-T IR01B-10010MS 03-MV	14: ARDG-000628-T IR01B-10010MS 03-MV
Mn [mg/L]	0.00120	0.00325	0.00485	0.00213	0.00135	0.00338	0.00585
Mo [mg/L]	0.00320	0.00653	0.00607	0.00396	0.00283	0.00247	0.00481
Na [mg/L]	15.7	57.3	62.5	27.5	32.0	38.7	39.6
Ni [mg/L]	0.0001	0.0004	0.0005	0.0002	< 0.0001	0.0007	0.0004
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0068	0.0101	0.0049	0.0059	0.0009	< 0.0009	0.0041
Se [mg/L]	0.00060	0.00346	0.00247	0.00217	0.00094	0.00054	0.00270
Si [mg/L]	1.72	1.31	1.29	1.37	1.28	1.10	1.23
Sn [mg/L]	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0541	0.0287	0.0326	0.0141	0.0157	0.0200	0.0250
Ti [mg/L]	0.00017	< 0.00007	< 0.00007	0.00014	0.00012	< 0.00007	< 0.00007
Tl [mg/L]	0.000007	0.000005	< 0.000005	< 0.000005	< 0.000005	0.000005	< 0.000005
U [mg/L]	0.000477	0.000071	0.000095	0.000009	0.000018	0.000051	0.000068
V [mg/L]	0.00236	0.00196	0.00138	0.00280	0.00210	0.00101	0.00082
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.003

Analysis	15: ARDG-000629-T IR01B-10010MS 03-Kwa-s	16: ARDG-000630-T IR01B-10010MS 03-Kwa-s	17: ARDG-000630-T IR01B-10010MS 03-Kwa-s	18:BLK: $D.I. Leachate Blank
Sample Date & Time	28-May-23	28-May-23		
Sample weight [g]	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.10	8.58	8.57	5.88
pH [No unit]	8.29	7.95	7.93	6.09
Conductivity [uS/cm]	275	1150	1180	< 2
Alkalinity [mg/L as CaCO3]	57	46	48	< 2
SO4 [mg/L]	50	87	90	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.474	0.220	0.218	0.002
As [mg/L]	0.305	0.0872	0.0879	< 0.0002
Ba [mg/L]	0.00358	0.0123	0.0125	< 0.00008
B [mg/L]	0.008	0.020	0.022	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	12.9	24.6	24.9	0.08
Cd [mg/L]	< 0.000003	0.000005	0.000004	< 0.000003
Co [mg/L]	0.000070	0.000328	0.000388	0.000032
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0003	0.0004	0.0009
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007

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LR Report : **CA19119-JUN23**

Analysis	15: ARDG-000629-T IR01B-10010MS 03-Kwa-s	16: ARDG-000630-T IR01B-10010MS 03-Kwa-s	17: ARDG-000630-T IR01B-10010MS 03-Kwa-s	18:BLK: $D.I. Leachate Blank
K [mg/L]	20.0	29.8	29.8	0.036
Li [mg/L]	0.0018	0.0033	0.0034	< 0.0001
Mg [mg/L]	5.86	19.8	20.0	0.010
Mn [mg/L]	0.00190	0.0128	0.0134	0.00029
Mo [mg/L]	0.00878	0.00925	0.00950	0.00007
Na [mg/L]	20.5	151	154	0.08
Ni [mg/L]	0.0002	0.0017	0.0019	0.0003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0083	0.0063	0.0058	< 0.0009
Se [mg/L]	0.00130	0.00144	0.00137	< 0.00004
Si [mg/L]	1.71	1.68	1.65	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	0.00012	0.00017
Sr [mg/L]	0.0619	0.183	0.185	0.00292
Ti [mg/L]	0.00022	< 0.00007	0.00013	< 0.00007
Tl [mg/L]	0.000012	0.000040	0.000038	< 0.000005
U [mg/L]	0.000892	0.000833	0.000843	< 0.000002
V [mg/L]	0.00205	0.00063	0.00055	0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.003

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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07-July-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
Canada, X0C 0A0
Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 14 June 2023
LR Report: **CA19118-JUN23**
Reference: 1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000619-TI R01B-10015MS5 2-MIXED-Test packet	6: ARDG-000620-T IR01B-10010MS 03-Kwa-s	7: ARDG-000621-T IR01B-10010MS 03-Kwa-s	8: ARDG-000622-T IR01B-10010MS 03-Kwa-s
Sample Date & Time					20-May-23	28-May-23	28-May-23	28-May-23
Ag [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	1.3	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	31000	62000	53000	54000
As [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	830	610	240	280
Ba [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	41	600	600	790
Be [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	0.59	1.4	1.3	1.4
Bi [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	1.3	0.35	0.21	0.18
Ca [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	7900	12000	10000	20000
Cd [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	0.26	0.08	0.11	0.12
Co [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	48	16	16	12
Cr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	25	52	62	60
Cu [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	160	33	35	34
Fe [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	88000	44000	35000	28000
K [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	9600	17000	18000	19000
Li [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	9.3	42	35	24
Mg [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	2500	12000	10000	9100
Mn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	140	290	270	320
Mo [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	7.0	1.3	1.3	0.9
Ni [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	96	55	52	34
Pb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	300	10	10	12
Sb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	3.9	< 0.8	< 0.8	< 0.8
Se [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	3.8	0.2	0.1	0.1
Sn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	89	230	220	370
Ti [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	430	2400	2400	2600
Tl [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	1.3	0.43	0.44	0.50
U [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	0.77	1.6	1.5	1.2
V [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	28	72	66	60
Y [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	4.2	6.1	4.8	4.4
Zn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:55	81	63	51	50

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LR Report : **CA19118-JUN23**

Analysis	9: ARDG-000623-T IR01B-10010MS 03-MV	10: ARDG-000624-T IR01B-10010MS 03-MV	11: ARDG-000625-T IR01B-10010MS 03-MV	12: ARDG-000626-T IR01B-10010MS 03-MV	13: ARDG-000627-T IR01B-10010MS 03-MV	14: ARDG-000628-T IR01B-10010MS 03-MV	15: ARDG-000629-T IR01B-10010MS 03-Kwa-s	16: ARDG-000630-T IR01B-10010MS 03-Kwa-s
Sample Date & Time	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23	28-May-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	57000	56000	58000	56000	53000	54000	49000	54000
As [µg/g]	220	870	130	13	110	110	410	75
Ba [µg/g]	70	81	78	24	56	56	620	670
Be [µg/g]	0.38	0.51	0.35	0.31	0.42	0.42	1.2	1.2
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.28	0.19
Ca [µg/g]	77000	70000	64000	70000	67000	67000	14000	11000
Cd [µg/g]	0.17	0.19	0.12	0.13	0.10	0.12	0.09	0.12
Co [µg/g]	32	34	35	38	32	33	12	14
Cr [µg/g]	73	72	79	74	70	69	40	49
Cu [µg/g]	70	67	75	98	74	74	28	36
Fe [µg/g]	49000	51000	50000	57000	61000	62000	22000	29000
K [µg/g]	4300	5300	3500	1500	3500	3600	16000	18000
Li [µg/g]	54	50	43	72	55	55	19	29
Mg [µg/g]	17000	17000	19000	19000	21000	21000	7200	9900
Mn [µg/g]	1500	1400	1400	1500	1500	1600	190	250
Mo [µg/g]	0.4	0.4	0.3	0.2	0.4	0.4	2.1	1.3
Ni [µg/g]	84	89	89	100	80	83	41	49
Pb [µg/g]	10	11	5	3	10	11	34	12
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.3	0.2	0.3	0.4	0.4	0.1	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	120	140	100	94	130	130	260	260
Ti [µg/g]	1500	1300	1600	1500	1600	1700	1900	2100
Tl [µg/g]	0.27	0.32	0.19	0.06	0.16	0.17	0.43	0.45
U [µg/g]	0.14	0.16	0.12	0.11	0.14	0.14	1.1	1.5
V [µg/g]	140	140	150	160	140	150	45	56
Y [µg/g]	8.3	5.4	5.5	14	4.3	4.4	3.6	4.8
Zn [µg/g]	74	85	66	70	84	86	36	57

Catharine Arnold

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Project Specialist,
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OnLine LIMS

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Project : PO#1254179

07-July-2023

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Date Rec. : 14 June 2023
LR Report: **CA19115-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000631-TIR01C-10050MS04-Kwa-s	6: ARDG 000632-TIR01C-10050MS04-Kwa-s	7: ARDG 000633-TIR01C-10050MS04-Kwa-s	8: ARDG 000634-TIR01C-10050MS04-Kwa-s
Sample Date & Time					01-Jun-23	01-Jun-23	01-Jun-23	01-Jun-23
Ag [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	61000	74000	58000	58000
As [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	78	74	94	41
Ba [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	490	660	520	540
Be [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	1.3	1.4	1.5	1.2
Bi [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	0.26	0.27	0.21	0.19
Ca [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	9700	9500	11000	14000
Cd [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	0.10	0.11	0.13	0.14
Co [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	19	19	18	16
Cr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	55	61	47	41
Cu [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	45	59	43	39
Fe [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	39000	40000	34000	30000
K [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	20000	22000	18000	16000
Li [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	46	49	40	32
Mg [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	14000	15000	12000	10000
Mn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	330	340	330	340
Mo [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	1.6	1.7	1.8	1.4
Ni [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	69	69	61	52
Pb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	18	16	27	24
Sb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	0.2	0.2	0.2	0.2
Sn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	250	290	260	290
Ti [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	740	730	780	820
Tl [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	0.47	0.48	0.43	0.36
U [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	0.85	1.7	1.2	0.95
V [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	82	85	70	60
Y [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	3.5	5.9	3.8	3.6
Zn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:54	75	78	71	66

OnLine LIMS

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Project : PO#1254179

LR Report : **CA19115-JUN23**

Analysis	9: ARDG 000635-TIR01C-10050MS04-Kwa-s	10: ARDG 000636-TIR01C-10050MS04-Kwa-s	11: ARDG 000637-TIR01C-10050MS04-Kwa-s
Sample Date & Time	01-Jun-23	02-Jun-23	02-Jun-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	64000	63000	55000
As [µg/g]	47	46	37
Ba [µg/g]	560	750	530
Be [µg/g]	1.2	1.2	1.4
Bi [µg/g]	0.16	0.20	0.30
Ca [µg/g]	12000	14000	9900
Cd [µg/g]	0.11	0.11	0.20
Co [µg/g]	16	15	17
Cr [µg/g]	47	44	58
Cu [µg/g]	42	38	49
Fe [µg/g]	32000	42000	36000
K [µg/g]	16000	16000	18000
Li [µg/g]	38	49	42
Mg [µg/g]	11000	14000	13000
Mn [µg/g]	310	320	300
Mo [µg/g]	1.4	1.4	2.3
Ni [µg/g]	57	53	64
Pb [µg/g]	14	18	190
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.2	0.2
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	280	310	250
Ti [µg/g]	660	830	790
Tl [µg/g]	0.38	0.37	0.45
U [µg/g]	1.1	1.6	1.0
V [µg/g]	66	65	76
Y [µg/g]	4.5	5.7	3.8
Zn [µg/g]	69	86	71

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

29-August-2023

Agnico Eagle Mines Limited
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Date Rec. : 14 June 2023
LR Report: **CA19114-JUN23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000631-TIR01 C-10050MS04-Kwa-s	6: ARDG 000632-TIR01 C-10050MS04-Kwa-s	7: ARDG 000633-TIR01 C-10050MS04-Kwa-s
Sample Date & Time					01-Jun-23	01-Jun-23	01-Jun-23
Paste pH [no unit]	18-Jul-23	10:33	24-Jul-23	13:24	8.96	8.45	8.96
Fizz Rate [rating]	18-Jul-23	10:33	24-Jul-23	13:24	2	2	2
Sample weight [g]	18-Jul-23	10:33	24-Jul-23	13:24	2.16	2.11	2.03
HCl_add [mL]	19-Jul-23	10:03	24-Jul-23	13:24	35.00	35.00	30.00
HCl [Normality]	18-Jul-23	10:33	24-Jul-23	13:24	0.10	0.10	0.10
NaOH [Normality]	18-Jul-23	10:33	24-Jul-23	13:24	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Jul-23	10:03	24-Jul-23	13:24	18.89	21.47	14.58
Final pH [no unit]	19-Jul-23	10:03	24-Jul-23	13:24	1.67	1.52	1.84
NP [t CaCO3/1000 t]	19-Jul-23	10:03	24-Jul-23	13:24	37.3	32.1	38.0
AP [t CaCO3/1000 t]	23-Aug-23	08:51	23-Aug-23	08:51	3.12	3.75	4.38
Net NP [t CaCO3/1000 t]	23-Aug-23	08:51	23-Aug-23	08:51	34.2	28.4	33.6
NP/AP [ratio]	23-Aug-23	08:51	23-Aug-23	08:51	11.9	8.56	8.69
S [%]	21-Aug-23	14:32	23-Aug-23	08:51	0.182	0.187	0.217
Acid Leachable SO4-S [%]	23-Aug-23	08:51	23-Aug-23	08:51	0.08	0.07	0.08
Sulphide [%]	22-Aug-23	13:54	23-Aug-23	08:51	0.10	0.12	0.14
C [%]	21-Aug-23	14:32	23-Aug-23	08:51	0.563	0.524	0.622
CO3 (HCl) as %CO3 [%]	22-Aug-23	07:29	23-Aug-23	08:51	2.21	2.04	2.68

Analysis	8: ARDG 000634-TIR01 C-10050MS04-Kwa-s	9: ARDG 000635-TIR01 C-10050MS04-Kwa-s	10: ARDG 000636-TIR01 C-10050MS04-Kwa-s	11: ARDG 000637-TIR01 C-10050MS04-Kwa-s
Sample Date & Time	01-Jun-23	01-Jun-23	02-Jun-23	02-Jun-23
Paste pH [no unit]	9.34	9.12	8.64	8.45

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Project : PO#1254179

LR Report : **CA19114-JUN23**

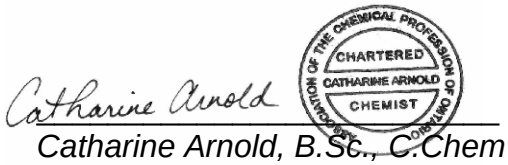
Analysis	8: ARDG 000634-TIR01 C-10050MS04-Kwa-s	9: ARDG 000635-TIR01 C-10050MS04-Kwa-s	10: ARDG 000636-TIR01 C-10050MS04-Kwa-s	11: ARDG 000637-TIR01 C-10050MS04-Kwa-s
Fizz Rate [rating]	2	2	2	2
Sample weight [g]	2.06	2.08	2.05	2.05
HCl_add [mL]	40.00	30.00	29.00	35.00
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	18.67	12.51	12.20	19.78
Final pH [no unit]	1.71	1.85	1.86	1.59
NP [t CaCO3/1000 t]	51.8	42.0	41.0	37.1
AP [t CaCO3/1000 t]	3.12	3.75	8.44	5.94
Net NP [t CaCO3/1000 t]	48.7	38.2	32.6	31.2
NP/AP [ratio]	16.6	11.2	4.86	6.25
S [%]	0.214	0.230	0.394	0.267
Acid Leachable SO4-S [%]	0.11	0.11	0.12	0.08
Sulphide [%]	0.10	0.12	0.27	0.19
C [%]	0.762	0.563	0.621	0.584
CO3 (HCl) as %CO3 [%]	3.32	2.42	2.60	2.39

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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OnLine LIMS

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Project : PO#1254179

31-July-2023

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Date Rec. : 14 June 2023
LR Report: **CA19116-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000631-TIR01C-10050MS04-Kwa-s	6: ARDG 000632-TIR01C-10050MS04-Kwa-s	7: ARDG 000633-TIR01C-10050MS04-Kwa-s
Sample Date & Time					01-Jun-23	01-Jun-23	01-Jun-23
Sample weight [g]	17-Jul-23	07:00	19-Jul-23	16:46	250	250	250
Volume D.I. Water [mL]	17-Jul-23	07:00	19-Jul-23	16:46	750	750	750
pH [no unit]	18-Jul-23	14:04	19-Jul-23	16:46	8.74	8.70	8.70
pH [No unit]	18-Jul-23	15:25	20-Jul-23	11:55	7.87	7.77	7.79
Conductivity [uS/cm]	18-Jul-23	15:25	20-Jul-23	11:55	352	403	387
Alkalinity [mg/L as CaCO3]	18-Jul-23	15:25	20-Jul-23	11:55	46	44	41
SO4 [mg/L]	19-Jul-23	09:09	19-Jul-23	10:58	59	72	96
Hg [mg/L]	19-Jul-23	09:57	20-Jul-23	17:00	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.332	0.251	0.230
As [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.0560	0.0380	0.0433
Ba [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.00428	0.00537	0.00691
B [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.027	0.038	0.023
Be [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	< 0.00001	< 0.00001	0.00012
Ca [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	13.0	15.6	21.2
Cd [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.000004	< 0.000003	0.000004
Co [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.000119	0.000083	0.000272
Cr [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.00065	< 0.00008	< 0.00008
Cu [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.0011	< 0.0002	0.0008
Fe [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.401	0.011	0.020
K [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	21.6	22.8	22.1
Li [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.0018	0.0020	0.0028
Mg [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	5.74	7.42	9.84
Mn [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.00625	0.00522	0.0102
Mo [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.00606	0.00575	0.00529
Na [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	35.0	39.5	26.6

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Project : PO#1254179

LR Report : **CA19116-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000631-TIR01C-10050MS04-Kwa-s	6: ARDG 000632-TIR01C-10050MS04-Kwa-s	7: ARDG 000633-TIR01C-10050MS04-Kwa-s
Ni [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.0203	0.0005	0.0021
Pb [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	< 0.00009	< 0.00009	0.00013
Sb [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.0037	0.0031	0.0023
Se [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.00070	0.00108	0.00144
Si [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	1.60	1.62	1.77
Sn [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.00010	0.00007	0.00007
Sr [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.0713	0.0911	0.124
Ti [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.00066	0.00041	0.00023
Tl [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.000008	0.000008	0.000009
U [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.000328	0.000414	0.00104
V [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.00111	0.00084	0.00080
Zn [mg/L]	20-Jul-23	21:21	24-Jul-23	16:32	0.002	< 0.002	< 0.002

Analysis	8: ARDG 000634-TIR01C-10050MS04-Kwa-s	9: ARDG 000635-TIR01C-10050MS04-Kwa-s	10: ARDG 000636-TIR01C-10050MS04-Kwa-s	11: ARDG 000637-TIR01C-10050MS04-Kwa-s
Sample Date & Time	01-Jun-23	01-Jun-23	02-Jun-23	02-Jun-23
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.20	9.06	8.87	8.69
pH [No unit]	8.08	7.87	7.80	7.96
Conductivity [uS/cm]	307	330	356	614
Alkalinity [mg/L as CaCO3]	49	43	38	40
SO4 [mg/L]	41	33	53	99
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.471	0.427	0.183	0.219
As [mg/L]	0.117	0.0578	0.0244	0.0421
Ba [mg/L]	0.00276	0.00391	0.00443	0.00805
B [mg/L]	0.010	0.013	0.014	0.019
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	10.1	11.5	15.8	23.6
Cd [mg/L]	< 0.000003	0.000005	< 0.000003	< 0.000003
Co [mg/L]	0.000037	0.000134	0.000044	0.000157
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	0.035	< 0.007	0.019
K [mg/L]	19.9	16.9	16.3	22.1
Li [mg/L]	0.0015	0.0014	0.0010	0.0023
Mg [mg/L]	4.53	4.30	4.90	11.9

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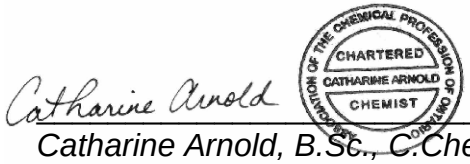
Project : PO#1254179

LR Report : **CA19116-JUN23**

Analysis	8: ARDG 000634-TIR01C-10050MS04-Kwa-s	9: ARDG 000635-TIR01C-10050MS04-Kwa-s	10: ARDG 000636-TIR01C-10050MS04-Kwa-s	11: ARDG 000637-TIR01C-10050MS04-Kwa-s
Mn [mg/L]	0.00177	0.00189	0.00096	0.00918
Mo [mg/L]	0.00646	0.00584	0.00971	0.00694
Na [mg/L]	33.1	37.5	34.7	62.1
Ni [mg/L]	0.0002	0.0034	0.0002	0.0008
Pb [mg/L]	< 0.00009	0.00010	< 0.00009	0.00034
Sb [mg/L]	0.0051	0.0045	0.0038	0.0033
Se [mg/L]	0.00067	0.00041	0.00049	0.00173
Si [mg/L]	1.78	1.69	1.55	1.66
Sn [mg/L]	< 0.00006	0.00010	< 0.00006	< 0.00006
Sr [mg/L]	0.0491	0.0565	0.0903	0.134
Ti [mg/L]	0.00031	0.00011	< 0.00007	0.00013
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000012
U [mg/L]	0.000444	0.000136	0.000111	0.000518
V [mg/L]	0.00232	0.00160	0.00056	0.00052
Zn [mg/L]	< 0.002	0.006	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



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Project : PO#1254179

29-August-2023

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Date Rec. : 15 June 2023
LR Report: **CA19128-JUN23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000644-TIR01C-10050MS05-Kws-s	6: ARDG 000645-TIR01C-10050MS05-Kws-s	7: ARDG 000646-TIR01C-10050MS05-Kws-s
Sample Date & Time					03-Jun-23	03-Jun-23	03-Jun-23
Sample weight [g]	250	250	27-Jul-23	12:27	250	250	250
Volume D.I. Water [mL]	750	750	27-Jul-23	12:27	750	750	750
pH [no unit]	25-Jul-23	10:06	27-Jul-23	12:27	9.28	9.22	9.11
pH [No unit]	25-Jul-23	15:54	28-Jul-23	12:21	8.07	8.17	7.82
Conductivity [uS/cm]	25-Jul-23	15:54	28-Jul-23	12:21	275	291	304
Alkalinity [mg/L as CaCO3]	25-Jul-23	15:54	28-Jul-23	12:21	44	44	43
SO4 [mg/L]	27-Jul-23	15:34	27-Jul-23	17:56	30	40	51
Hg [mg/L]	28-Jul-23	12:01	28-Jul-23	12:53	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	28-Jul-23	23:21	03-Aug-23	15:08	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-Jul-23	23:21	03-Aug-23	15:08	0.514	0.448	0.417
As [mg/L]	28-Jul-23	23:21	03-Aug-23	15:08	0.0698	0.0980	0.0693
Ba [mg/L]	28-Jul-23	23:21	03-Aug-23	15:08	0.00295	0.00321	0.00442
B [mg/L]	28-Jul-23	23:21	14-Aug-23	10:39	0.012	0.014	0.011
Be [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	8.61	9.79	12.9
Cd [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	< 0.000003	< 0.000003	0.000004
Co [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	0.000048	0.000077	0.000054
Cr [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	0.00018	0.00013	< 0.00008
Cu [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	0.0003	0.0003	< 0.0002
Fe [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	< 0.007	0.049	< 0.007
K [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	19.9	17.7	16.7
Li [mg/L]	28-Jul-23	23:21	03-Aug-23	15:09	0.0009	0.0011	0.0012
Mg [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	2.54	3.69	4.96
Mn [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.00111	0.00166	0.00166
Mo [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.00787	0.00789	0.00706
Na [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	25.5	26.5	25.1
Ni [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.0002	0.0003	0.0002

OnLine LIMS

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Project : PO#1254179

LR Report : **CA19128-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000644-TIR01C-10050MS05-Kws-s	6: ARDG 000645-TIR01C-10050MS05-Kws-s	7: ARDG 000646-TIR01C-10050MS05-Kws-s
Pb [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.00106	0.00043	0.00030
Sb [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.0057	0.0047	0.0042
Se [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.00065	0.00042	0.00050
Si [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	1.23	1.29	1.40
Sn [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.00011	< 0.00006	< 0.00006
Sr [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.0528	0.0614	0.0761
Ti [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.00018	0.00014	0.00009
Tl [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	< 0.000005	0.000005	< 0.000005
U [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.000181	0.000232	0.000290
W [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.00348	0.00513	0.00380
Y [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	< 0.00002	< 0.00002	< 0.00002
V [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.00217	0.00207	0.00151
Zn [mg/L]	28-Jul-23	23:21	03-Aug-23	15:10	0.002	< 0.002	0.004

Analysis	8: ARDG 000647-TIR01C-10050MS05-Kws-s	9: ARDG 000648-TIR01C-10050MS05-Kws-s	10: ARDG 000649-TIR01C-10050MS05-Kws-s	11: ARDG 000650-TIR01C-10050MS05-Kws-s	12: ARDG 000651-TIR01C-10050MS05-Kws-s	13: ARDG 000652-TIR01C-10050MS05-Kws-s	14: ARDG 000653-TIR01C-10050MS05-Kws-s
Sample Date & Time	04-Jun-23	04-Jun-23	04-Jun-23	04-Jun-23	04-Jun-23	04-Jun-23	04-Jun-23
Sample weight [g]	250	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	9.36	9.22	9.21	9.28	9.16	9.12	9.17
pH [No unit]	8.14	8.21	8.16	8.07	8.26	8.18	8.38
Conductivity [uS/cm]	225	294	191	243	409	296	299
Alkalinity [mg/L as CaCO3]	39	46	48	39	51	52	51
SO4 [mg/L]	28	53	59	42	60	45	35
Hg [mg/L]	< 0.00001	0.00002	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.563	0.443	0.435	0.432	0.488	0.563	0.597
As [mg/L]	0.0232	0.0636	0.0142	0.0067	0.0751	0.0937	0.0611
Ba [mg/L]	0.00358	0.00460	0.00477	0.00491	0.00778	0.00526	0.00391
B [mg/L]	0.011	0.009	0.010	0.012	0.015	0.015	0.012
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	7.11	11.8	12.4	7.39	14.8	12.9	11.0
Cd [mg/L]	0.000005	0.000003	0.000004	< 0.000003	< 0.000003	0.000007	0.000003
Co [mg/L]	0.000005	0.000037	0.000068	0.000016	0.000094	0.000133	0.000065
Cr [mg/L]	0.00009	< 0.00008	< 0.00008	< 0.00008	0.00064	0.00328	0.00010
Cu [mg/L]	< 0.0002	0.0002	0.0029	< 0.0002	0.0007	0.0015	0.0002
Fe [mg/L]	< 0.007	0.016	< 0.007	0.010	0.504	0.770	0.052
K [mg/L]	20.2	19.4	20.8	18.1	23.3	21.9	21.3
Li [mg/L]	0.0019	0.0013	0.0012	0.0017	0.0018	0.0016	0.0022
Mg [mg/L]	1.52	5.08	5.86	1.86	7.00	5.41	4.51
Mn [mg/L]	0.00047	0.00280	0.00213	0.00077	0.00543	0.00836	0.00173

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Project : PO#1254179

LR Report : **CA19128-JUN23**

Analysis	8: ARDG 000647-TIR01C-10050MS05-Kws-S	9: ARDG 000648-TIR01C-10050MS05-Kws-S	10: ARDG 000649-TIR01C-10050MS05-Kws-S	11: ARDG 000650-TIR01C-10050MS05-Kws-S	12: ARDG 000651-TIR01C-10050MS05-Kws-S	13: ARDG 000652-TIR01C-10050MS05-Kws-S	14: ARDG 000653-TIR01C-10050MS05-Kws-S
Mo [mg/L]	0.0110	0.00626	0.00765	0.0120	0.0100	0.00893	0.0104
Na [mg/L]	24.2	24.2	23.3	25.7	39.9	22.9	28.0
Ni [mg/L]	< 0.0001	0.0001	0.0002	0.0004	0.0027	0.0047	0.0002
Pb [mg/L]	0.00033	0.00060	0.00051	0.00030	0.00012	0.00029	0.00010
Sb [mg/L]	0.0067	0.0037	0.0021	0.0052	0.0057	0.0148	0.0058
Se [mg/L]	0.00029	0.00079	0.00088	0.00048	0.00176	0.00214	0.00076
Si [mg/L]	1.75	1.29	1.23	1.28	1.95	1.75	1.86
Sn [mg/L]	< 0.00006	< 0.00006	0.00007	< 0.00006	0.00009	0.00010	< 0.00006
Sr [mg/L]	0.0273	0.0712	0.0822	0.0375	0.0988	0.0688	0.0582
Ti [mg/L]	0.00021	< 0.00007	0.00009	0.00028	0.00008	0.00011	0.00008
Tl [mg/L]	0.000009	0.000013	0.000017	0.000011	0.000015	0.000018	0.000008
U [mg/L]	0.000071	0.000308	0.000350	0.000046	0.000421	0.000285	0.000207
W [mg/L]	0.00513	0.00416	0.00472	0.00357	0.00715	0.00417	0.00465
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V [mg/L]	0.00487	0.00158	0.00125	0.00326	0.00186	0.00161	0.00193
Zn [mg/L]	< 0.002	0.005	0.003	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	15: ARDG 000654-TIR01C-10050MS05-Kws-S	16: ARDG 000655-TIR01C-10050MS05-Kws-S	17: ARDG 000656-TIR01C-10050MS05-Kws-S	18: ARDG 000657-TIR01C-10050MS05-Kws-S	19: ARDG 000650-TIR01C-10050MS05-Kws-S	20:BLK: $D.I. Leachate Blank
Sample Date & Time	06-Jun-23	06-Jun-23	06-Jun-23	06-Jun-23		
Sample weight [g]	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.19	8.96	9.27	9.33	9.29	5.79
pH [No unit]	8.35	8.08	8.27	8.32	8.20	6.05
Conductivity [uS/cm]	284	403	242	248	237	< 2
Alkalinity [mg/L as CaCO3]	49	47	55	51	40	< 2
SO4 [mg/L]	23	87	26	21	38	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.561	0.464	0.628	0.629	0.465	0.003
As [mg/L]	0.106	0.0120	0.111	0.0820	0.0064	< 0.0002
Ba [mg/L]	0.00290	0.00743	0.00547	0.00232	0.00457	0.00015
B [mg/L]	0.018	0.013	0.011	0.012	0.011	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	9.33	19.0	9.01	7.55	6.71	0.06
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003
Co [mg/L]	0.000057	0.000040	0.000136	0.000080	0.000009	0.000048
Cr [mg/L]	0.00011	< 0.00008	0.00208	0.00297	0.00009	< 0.00008
Cu [mg/L]	0.0004	0.0002	0.0015	0.0004	0.0003	< 0.0002
Fe [mg/L]	0.172	0.019	1.03	0.800	0.013	< 0.007
K [mg/L]	20.7	23.8	20.5	20.0	18.4	0.040

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Project : PO#1254179

LR Report : **CA19128-JUN23**

Analysis	15: ARDG 000654-TIR01C-10050MS05-Kws-S	16: ARDG 000655-TIR01C-10050MS05-Kws-S	17: ARDG 000656-TIR01C-10050MS05-Kws-S	18: ARDG 000657-TIR01C-10050MS05-Kws-S	19: ARDG 000650-TIR01C-10050MS05-Kws-S	20:BLK: $D.I. Leachate Blank
Li [mg/L]	0.0012	0.0020	0.0015	0.0012	0.0015	< 0.0001
Mg [mg/L]	3.39	9.99	3.36	2.42	1.60	0.018
Mn [mg/L]	0.00252	0.00447	0.00821	0.00684	0.00063	0.00022
Mo [mg/L]	0.00776	0.0107	0.0102	0.00730	0.0106	0.00242
Na [mg/L]	28.8	30.0	21.9	23.9	25.1	0.06
Ni [mg/L]	0.0005	0.0003	0.0142	0.0026	0.0002	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	0.00013	< 0.00009	0.00036	0.00036
Sb [mg/L]	0.0068	0.0014	0.0055	0.0057	0.0050	< 0.0009
Se [mg/L]	0.00031	0.00145	0.00046	0.00042	0.00050	< 0.00004
Si [mg/L]	1.75	1.82	1.84	1.77	1.35	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	0.00013	0.00009	< 0.00006	0.00008
Sr [mg/L]	0.0484	0.126	0.0557	0.0334	0.0324	0.00020
Ti [mg/L]	0.00010	0.00010	0.00025	0.00024	0.00038	0.00020
Tl [mg/L]	0.000007	0.000018	0.000005	0.000005	0.000015	< 0.000005
U [mg/L]	0.000117	0.000691	0.000280	0.000180	0.000030	0.000007
W [mg/L]	0.00283	0.00612	0.00455	0.00496	0.00318	< 0.00002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V [mg/L]	0.00208	0.00122	0.00258	0.00260	0.00388	0.00001
Zn [mg/L]	< 0.002	< 0.002	0.002	< 0.002	< 0.002	< 0.002

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Project : PO#1254179

29-August-2023

Date Rec. : 15 June 2023
LR Report: **CA19126-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000644-TIR01C-10050MS05-Kws-s	6: ARDG 000645-TIR01C-10050MS05-Kws-s	7: ARDG 000646-TIR01C-10050MS05-Kws-s	8: ARDG 000647-TIR01C-10050MS05-Kws-s	9: ARDG 000648-TIR01C-10050MS05-Kws-s	10: ARDG 000649-TIR01C-10050MS05-Kws-s	11: ARDG 000650-TIR01C-10050MS05-Kws-s
Sample Date & Time					03-Jun-23	03-Jun-23	03-Jun-23	04-Jun-23	04-Jun-23	04-Jun-23	04-Jun-23
Paste pH [no unit]	18-Jul-23	10:33	24-Jul-23	13:26	8.94	9.37	9.20	9.30	9.21	9.29	9.03
Fizz Rate [rating]	18-Jul-23	10:33	24-Jul-23	13:26	2	2	2	4	2	2	4
Sample weight [g]	18-Jul-23	10:33	24-Jul-23	13:26	2.16	2.15	2.20	2.08	2.02	2.02	2.06
HCl_add [mL]	19-Jul-23	10:03	24-Jul-23	13:26	36.00	50.00	45.00	50.00	45.00	50.00	50.00
HCl [Normality]	18-Jul-23	10:33	24-Jul-23	13:26	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	18-Jul-23	10:33	24-Jul-23	13:26	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Jul-23	10:03	24-Jul-23	13:26	17.36	24.74	22.87	28.69	26.43	22.17	26.00
Final pH [no unit]	19-Jul-23	10:03	24-Jul-23	13:26	1.92	1.73	1.70	1.80	1.56	1.81	1.60
NP [t CaCO3/1000 t]	19-Jul-23	10:03	24-Jul-23	13:26	43.1	58.7	50.3	51.2	46.0	68.9	58.2
AP [t CaCO3/1000 t]	28-Aug-23	16:48	28-Aug-23	16:48	5.62	4.38	3.44	7.81	5.62	6.25	4.38
Net NP [t CaCO3/1000 t]	28-Aug-23	16:48	28-Aug-23	16:48	37.5	54.3	46.9	43.4	40.4	62.6	53.8
NP/AP [ratio]	28-Aug-23	16:48	28-Aug-23	16:48	7.66	13.4	14.6	6.55	8.18	11.0	13.3
S [%]	26-Aug-23	09:16	28-Aug-23	16:48	0.253	0.204	0.234	0.395	0.263	0.275	0.251
Acid Leachable SO4-S [%]	28-Aug-23	16:47	28-Aug-23	16:48	0.07	0.06	0.12	0.14	0.08	0.08	0.11
Sulphide [%]	28-Aug-23	16:39	28-Aug-23	16:48	0.18	0.14	0.11	0.25	0.18	0.20	0.14
C [%]	26-Aug-23	09:16	28-Aug-23	16:47	0.617	0.836	0.732	0.584	0.707	1.03	0.686
CO3 (HCl) as %CO3 [%]	26-Aug-23	07:15	28-Aug-23	16:47	2.78	3.86	3.34	2.55	3.23	4.73	3.03

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Project : PO#1254179

LR Report : **CA19126-JUN23**

Analysis	12: ARDG 000651-TIR01C-10050MS05-Kws-s	13: ARDG 000652-TIR01C-10050MS05-Kws-s	14: ARDG 000653-TIR01C-10050MS05-Kws-s	15: ARDG 000654-TIR01C-10050MS05-Kws-s	16: ARDG 000655-TIR01C-10050MS05-Kws-s	17: ARDG 000656-TIR01C-10050MS05-Kws-s	18: ARDG 000657-TIR01C-10050MS05-Kws-s
Sample Date & Time	04-Jun-23	04-Jun-23	04-Jun-23	06-Jun-23	06-Jun-23	06-Jun-23	06-Jun-23
Paste pH [no unit]	8.93	9.29	9.19	8.88	8.98	9.23	8.98
Fizz Rate [rating]	2	2	2	2	2	2	2
Sample weight [g]	2.03	2.05	2.13	2.08	1.99	2.03	2.09
HCl_add [mL]	35.00	42.00	40.00	35.00	60.00	30.00	30.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.76	20.74	20.00	21.64	29.44	12.75	13.62
Final pH [no unit]	1.84	1.65	1.64	1.52	1.55	2.00	1.94
NP [t CaCO3/1000 t]	49.9	51.8	46.9	32.1	76.8	42.5	39.2
AP [t CaCO3/1000 t]	5.31	4.06	4.38	2.81	8.75	5.00	5.31
Net NP [t CaCO3/1000 t]	44.6	47.7	42.5	29.3	68.0	37.5	33.9
NP/AP [ratio]	9.39	12.8	10.7	11.4	8.78	8.50	7.38
S [%]	0.251	0.255	0.234	0.199	0.395	0.245	0.236
Acid Leachable SO4-S [%]	0.08	0.12	0.09	0.11	0.12	0.08	0.07
Sulphide [%]	0.17	0.13	0.14	0.09	0.28	0.16	0.17
C [%]	0.805	0.785	0.717	0.498	1.19	0.688	0.640
CO3 (HCl) as %CO3 [%]	3.79	3.58	3.27	2.18	5.59	2.97	2.67

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003448843

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Project : PO#1254179

18-July-2023

Date Rec. : 15 June 2023
LR Report: **CA19127-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000644-TIR01C-10050MS05-Kws-s	6: ARDG 000645-TIR01C-10050MS05-Kws-s	7: ARDG 000646-TIR01C-10050MS05-Kws-s	8: ARDG 000647-TIR01C-10050MS05-Kws-s	9: ARDG 000648-TIR01C-10050MS05-Kws-s	10: ARDG 000649-TIR01C-10050MS05-Kws-s	11: ARDG 000650-TIR01C-10050MS05-Kws-s	12: ARDG 000651-TIR01C-10050MS05-Kws-s
Sample Date & Time					03-Jun-23	03-Jun-23	03-Jun-23	04-Jun-23	04-Jun-23	04-Jun-23	04-Jun-23	04-Jun-23
Ag [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	81000	71000	63000	70000	72000	73000	75000	63000
As [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	130	72	59	62	34	31	16	75
Ba [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	720	600	560	360	860	720	280	710
Be [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	1.4	1.2	1.2	0.95	1.3	1.2	0.83	1.2
Bi [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	0.25	0.19	0.28	0.13	0.18	0.17	0.11	0.27
Ca [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	13000	18000	15000	25000	13000	20000	39000	15000
Cd [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	0.13	0.14	0.15	0.07	0.15	0.12	0.09	0.12
Co [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	22	20	20	29	20	19	34	19
Cr [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	120	130	130	120	170	98	36	47
Cu [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	64	49	52	65	47	43	86	54
Fe [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	39000	34000	32000	55000	36000	35000	66000	33000
K [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	19000	16000	15000	8800	18000	18000	7500	16000
Li [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	36	31	30	41	34	28	40	27
Mg [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	14000	13000	12000	18000	13000	12000	22000	12000
Mn [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	390	410	380	700	380	430	1000	360
Mo [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	1.8	1.7	1.7	1.5	1.8	1.7	1.3	1.5
Ni [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	78	62	62	64	70	56	60	66
Pb [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	16	15	16	7.6	15	12	8.2	25

OnLine LIMS

0003403697

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Project : PO#1254179

LR Report : **CA19127-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000644-TIR01C-10050MS05-Kws-s	6: ARDG 000645-TIR01C-10050MS05-Kws-s	7: ARDG 000646-TIR01C-10050MS05-Kws-s	8: ARDG 000647-TIR01C-10050MS05-Kws-s	9: ARDG 000648-TIR01C-10050MS05-Kws-s	10: ARDG 000649-TIR01C-10050MS05-Kws-s	11: ARDG 000650-TIR01C-10050MS05-Kws-s	12: ARDG 000651-TIR01C-10050MS05-Kws-s
Sb [µg/g]	06-Jul-23	17:51	10-Jul-23	16:33	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	0.8	< 0.8
Se [µg/g]	06-Jul-23	17:51	10-Jul-23	16:34	0.3	0.2	0.2	0.4	0.3	0.2	0.4	0.2
Sn [µg/g]	06-Jul-23	17:51	10-Jul-23	16:34	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Jul-23	17:51	10-Jul-23	16:34	360	360	340	230	370	380	290	340
Ti [µg/g]	06-Jul-23	17:51	10-Jul-23	16:34	1700	1100	1100	4300	1300	1800	5100	1500
Tl [µg/g]	06-Jul-23	17:51	10-Jul-23	16:34	0.45	0.39	0.39	0.33	0.47	0.48	0.32	0.44
U [µg/g]	06-Jul-23	17:51	10-Jul-23	16:34	1.7	0.9	0.8	1.0	1.4	1.2	0.87	0.91
V [µg/g]	06-Jul-23	17:51	10-Jul-23	16:34	92	82	77	150	88	76	180	71
Y [µg/g]	06-Jul-23	17:51	10-Jul-23	16:34	7.5	5.2	4.4	11	5.4	5.8	16	4.3
Zn [µg/g]	06-Jul-23	17:51	10-Jul-23	16:34	100	84	88	70	94	78	82	85

Analysis	13: ARDG 000652-TIR01C-10050MS05-Kws-s	14: ARDG 000653-TIR01C-10050MS05-Kws-s	15: ARDG 000654-TIR01C-10050MS05-Kws-s	16: ARDG 000655-TIR01C-10050MS05-Kws-s	17: ARDG 000656-TIR01C-10050MS05-Kws-s	18: ARDG 000657-TIR01C-10050MS05-Kws-s
Sample Date & Time	04-Jun-23	04-Jun-23	06-Jun-23	06-Jun-23	06-Jun-23	06-Jun-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	79000	82000	82000	62000	76000	52000
As [µg/g]	93	89	82	16	92	140
Ba [µg/g]	670	750	770	730	1300	440
Be [µg/g]	1.3	1.3	1.5	1.2	1.6	1.3
Bi [µg/g]	0.57	0.15	0.15	0.18	0.21	0.20
Ca [µg/g]	14000	13000	8900	21000	12000	10000
Cd [µg/g]	0.12	0.11	0.11	0.12	0.11	0.11
Co [µg/g]	22	23	24	18	22	23
Cr [µg/g]	50	46	59	36	80	100
Cu [µg/g]	55	64	54	46	54	61
Fe [µg/g]	38000	38000	45000	32000	39000	38000
K [µg/g]	18000	19000	20000	17000	19000	18000
Li [µg/g]	32	34	51	23	41	42
Mg [µg/g]	14000	14000	17000	11000	14000	13000
Mn [µg/g]	390	390	360	370	410	340
Mo [µg/g]	1.4	2.1	2.2	1.6	1.5	1.7
Ni [µg/g]	73	71	88	53	76	78
Pb [µg/g]	44	15	14	12	17	14

OnLine LIMS

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Project : PO#1254179

LR Report : **CA19127-JUN23**

Analysis	13: ARDG 000652-TIR01C-10050MS05-Kws-s	14: ARDG 000653-TIR01C-10050MS05-Kws-s	15: ARDG 000654-TIR01C-10050MS05-Kws-s	16: ARDG 000655-TIR01C-10050MS05-Kws-s	17: ARDG 000656-TIR01C-10050MS05-Kws-s	18: ARDG 000657-TIR01C-10050MS05-Kws-s
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.2	0.2	0.3	0.2
Sn [µg/g]	< 6	7	< 6	< 6	< 6	< 6
Sr [µg/g]	340	370	290	360	390	200
Ti [µg/g]	1400	690	1000	2200	1500	900
Tl [µg/g]	0.47	0.48	0.55	0.53	0.51	0.49
U [µg/g]	1.5	1.6	1.8	0.86	1.7	0.49
V [µg/g]	83	86	110	78	96	97
Y [µg/g]	7.1	6.6	6.4	5.0	6.6	3.2
Zn [µg/g]	85	89	110	69	95	100

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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OnLine LIMS

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Works #: Waste Rock OP TIR01
Project : PO#1254179

31-July-2023

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Date Rec. : 19 July 2023
LR Report: **CA19131-JUL23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000658-TIR01C-10050MS06-Kwa-s	6: ARDG 000659-TIR01C-10050MS06-Kwa-s	7: ARDG 000660-TIR01C-10050MS06-Kwa-s	8: ARDG 000661-TIR01C-10050MS06-Kwa-s
Sample Date & Time					8-Jun-23	8-Jun-23	8-Jun-23	8-Jun-23
Ag [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	68000	62000	57000	65000
As [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	49	49	32	69
Ba [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	870	760	560	790
Be [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	1.2	1.2	1.0	1.1
Bi [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	0.24	0.26	0.14	0.15
Ca [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	10000	11000	16000	13000
Cd [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	0.10	0.11	0.11	0.11
Co [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	21	20	22	17
Cr [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	58	47	41	42
Cu [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	48	45	58	35
Fe [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	36000	34000	33000	38000
K [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	18000	18000	14000	17000
Li [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	35	32	33	33
Mg [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	14000	13000	12000	12000
Mn [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	350	330	410	350
Mo [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	2.8	2.6	2.5	2.2
Ni [µg/g]	27-Jul-23	04:22	28-Jul-23	13:10	70	69	60	60
Pb [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	62	49	11	12
Sb [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	0.2	0.1	0.1	0.1
Sn [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	360	300	320	310
Ti [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	940	1100	1600	2000
Tl [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	0.54	0.56	0.45	0.51
U [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	1.6	0.88	0.60	1.1
V [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	80	79	81	71
Y [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	5.4	4.4	5.5	4.8
Zn [µg/g]	27-Jul-23	04:22	28-Jul-23	13:11	84	79	72	67

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0003417783

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Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19131-JUL23**

Analysis	9: ARDG 000662-TIR01C-10050MS06-Kwa-s	10: ARDG 000663-TIR01C-10050MS06-Kwa-s	11: ARDG 000664-TIR01C-10050MS06-MV	12: ARDG 000665-TIR01C-10050MS06-MV	13: ARDG 000666-TIR01C-10050MS06-MV	14: ARDG 000667-TIR01C-10050MS06-MV	15: ARDG 000668-TIR01C-10050MS06-MV	16: ARDG 000669-TIR01C-10050MS06-MV
Sample Date & Time	8-Jun-23	8-Jun-23	24-Jun-23	24-Jun-23	24-Jun-23	25-Jun-23	25-Jun-23	25-Jun-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	53000	64000	68000	72000	68000	62000	67000	69000
As [µg/g]	44	350	97	240	65	73	350	320
Ba [µg/g]	630	800	430	190	200	170	300	310
Be [µg/g]	1.2	1.0	0.70	0.45	0.41	0.34	0.36	0.39
Bi [µg/g]	0.17	0.19	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	9900	23000	97000	71000	91000	80000	80000	78000
Cd [µg/g]	0.10	0.16	0.20	0.12	0.14	0.14	0.12	0.16
Co [µg/g]	18	17	44	39	37	43	39	41
Cr [µg/g]	52	45	110	110	94	74	110	110
Cu [µg/g]	41	59	100	89	82	76	84	100
Fe [µg/g]	31000	48000	56000	58000	57000	56000	56000	57000
K [µg/g]	15000	15000	11000	6200	7000	6800	5600	6800
Li [µg/g]	35	36	38	42	47	41	36	37
Mg [µg/g]	12000	12000	20000	20000	19000	20000	20000	21000
Mn [µg/g]	250	490	2300	1800	2400	1900	2000	2100
Mo [µg/g]	2.8	3.2	1.5	1.2	1.0	0.9	1.0	0.9
Ni [µg/g]	62	56	100	100	100	97	100	110
Pb [µg/g]	38	13	8.3	9.3	6.7	8.2	7.7	9.7
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.1	0.3	0.5	0.3	0.4	0.4	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	260	370	150	200	150	120	230	230
Ti [µg/g]	1300	1700	2900	1800	1900	2300	2700	1900
Tl [µg/g]	0.52	0.44	0.78	0.30	0.46	0.45	0.35	0.47
U [µg/g]	0.69	1.4	0.40	0.40	0.29	0.17	0.16	0.20
V [µg/g]	75	68	210	180	210	190	200	200
Y [µg/g]	3.8	6.4	7.3	7.0	7.0	6.4	5.5	6.1
Zn [µg/g]	73	69	74	110	93	97	86	110

Catharine Arnold

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Works #: Waste Rock OP TIR01
Project : PO#1254179

18-September-2023

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Date Rec. : 19 July 2023
LR Report: **CA19130-JUL23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000658-TIR01C-10050MS06-Kwa-s	6: ARDG 000659-TIR01C-10050MS06-Kwa-s	7: ARDG 000660-TIR01C-10050MS06-Kwa-s	8: ARDG 000661-TIR01C-10050MS06-Kwa-s
Sample Date & Time					8-Jun-23	8-Jun-23	8-Jun-23	8-Jun-23
Paste pH [no unit]	08-Aug-23	09:03	09-Aug-23	16:57	8.68	8.98	9.00	8.97
Fizz Rate [rating]	08-Aug-23	09:03	09-Aug-23	16:57	2	2	2	2
Sample weight [g]	08-Aug-23	09:03	09-Aug-23	16:57	2.02	2.20	2.04	2.02
HCl_add [mL]	09-Aug-23	07:12	09-Aug-23	16:57	30.00	31.00	35.00	30.00
HCl [Normality]	08-Aug-23	09:03	09-Aug-23	16:57	0.10	0.10	0.10	0.10
NaOH [Normality]	08-Aug-23	09:03	09-Aug-23	16:57	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Aug-23	09:10	09-Aug-23	16:57	15.42	13.80	14.59	11.55
Final pH [no unit]	09-Aug-23	09:10	09-Aug-23	16:57	1.54	1.65	1.63	1.75
NP [t CaCO3/1000 t]	09-Aug-23	09:10	09-Aug-23	16:57	36.1	39.1	50.0	45.7
AP [t CaCO3/1000 t]	12-Sep-23	09:20	12-Sep-23	09:20	3.44	3.75	2.81	3.12
Net NP [t CaCO3/1000 t]	12-Sep-23	09:20	12-Sep-23	09:20	32.7	35.4	47.2	42.6
NP/AP [ratio]	12-Sep-23	09:20	12-Sep-23	09:20	10.5	10.4	17.8	14.6
S [%]	11-Sep-23	10:45	12-Sep-23	09:20	0.193	0.191	0.172	0.173
Acid Leachable SO4-S [%]	12-Sep-23	09:20	12-Sep-23	09:20	0.08	0.07	0.08	0.07
Sulphide [%]	11-Sep-23	11:30	12-Sep-23	09:20	0.11	0.12	0.09	0.10
C [%]	11-Sep-23	10:45	12-Sep-23	09:20	0.572	0.589	0.725	0.703
CO3 (HCl) as %CO3 [%]	14-Sep-23	14:23	14-Sep-23	15:03	2.77	2.84	3.43	3.40

Analysis	9: ARDG 000662-TIR01C-10050MS06-Kwa-s	10: ARDG 000663-TIR01C-10050MS06-Kwa-s	11: ARDG 000664-TIR01C-10050MS06-MV	12: ARDG 000665-TIR01C-10050MS06-MV	13: ARDG 000666-TIR01C-10050MS06-MV	14: ARDG 000667-TIR01C-10050MS06-MV	15: ARDG 000668-TIR01C-10050MS06-MV	16: ARDG 000669-TIR01C-10050MS06-MV
Sample Date & Time	8-Jun-23	8-Jun-23	24-Jun-23	24-Jun-23	24-Jun-23	25-Jun-23	25-Jun-23	25-Jun-23
Paste pH [no unit]	8.58	8.46	8.97	8.77	8.66	8.30	9.05	8.61
Fizz Rate [rating]	4	4	4	4	4	4	4	4
Sample weight [g]	2.04	2.13	2.01	2.10	2.05	2.03	2.16	2.01
HCl_add [mL]	40.00	40.00	125.00	105.00	125.00	130.00	120.00	145.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25.08	13.01	47.64	13.94	21.98	33.78	33.62	30.26
Final pH [no unit]	1.52	1.82	1.56	1.63	1.50	1.63	1.74	1.55
NP [t CaCO3/1000 t]	36.6	63.4	192	217	251	237	200	285

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19130-JUL23**

Analysis	9: ARDG 000662-TIR01C-10050MS06-Kwa-s	10: ARDG 000663-TIR01C-10050MS06-Kwa-s	11: ARDG 000664-TIR01C-10050MS06-MV	12: ARDG 000665-TIR01C-10050MS06-MV	13: ARDG 000666-TIR01C-10050MS06-MV	14: ARDG 000667-TIR01C-10050MS06-MV	15: ARDG 000668-TIR01C-10050MS06-MV	16: ARDG 000669-TIR01C-10050MS06-MV
AP [t CaCO3/1000 t]	3.44	12.5	7.81	5.31	7.19	6.56	5.94	11.2
Net NP [t CaCO3/1000 t]	33.2	50.9	185	211	244	230	194	274
NP/AP [ratio]	10.6	5.07	24.6	40.8	35.0	36.1	33.7	25.4
S [%]	0.172	0.618	0.382	0.265	0.257	0.307	0.282	0.433
Acid Leachable SO4-S [%]	0.06	0.22	0.13	0.10	< 0.04	0.10	0.09	0.07
Sulphide [%]	0.11	0.40	0.25	0.17	0.23	0.21	0.19	0.36
C [%]	0.600	0.942	4.39	3.12	3.96	3.81	3.93	3.82
CO3 (HCl) as %CO3 [%]	2.82	4.61	21.8	15.3	19.7	19.0	19.4	18.9

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
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Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

29-August-2023

Date Rec. : 19 July 2023
LR Report: **CA19132-JUL23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000658-TIR01 C-10050MS06-Kwa-s	6: ARDG 000659-TIR01 C-10050MS06-Kwa-s	7: ARDG 000660-TIR01 C-10050MS06-Kwa-s	8: ARDG 000661-TIR01 C-10050MS06-Kwa-s	9: ARDG 000662-TIR01 C-10050MS06-Kwa-s
Sample Date & Time					8-Jun-23	8-Jun-23	8-Jun-23	8-Jun-23	8-Jun-23
Sample weight [g]	31-Jul-23	06:30	02-Aug-23	13:21	251	251	250	250	250
Volume D.I. Water [mL]	750	750	02-Aug-23	13:21	750	750	750	750	750
pH [no unit]	01-Aug-23	10:29	02-Aug-23	13:21	9.28	9.30	9.29	9.21	9.31
pH [No unit]	02-Aug-23	16:05	03-Aug-23	12:45	7.96	7.96	7.93	8.01	8.12
Conductivity [uS/cm]	02-Aug-23	16:05	03-Aug-23	12:45	244	235	219	241	272
Alkalinity [mg/L as CaCO3]	02-Aug-23	16:05	03-Aug-23	12:45	42	43	40	52	46
SO4 [mg/L]	02-Aug-23	15:56	02-Aug-23	16:28	30	29	40	33	32
Hg [mg/L]	04-Aug-23	09:37	04-Aug-23	12:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	0.687	0.853	0.674	0.677	0.640
As [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	0.0870	0.0879	0.124	0.129	0.131
Ba [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	0.00389	0.00624	0.00304	0.00396	0.00396
B [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	0.031	0.034	0.020	0.044	0.031

OnLine LIMS

0003448975

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19132-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000658-TIR01 C-10050MS06-Kwa-s	6: ARDG 000659-TIR01 C-10050MS06-Kwa-s	7: ARDG 000660-TIR01 C-10050MS06-Kwa-s	8: ARDG 000661-TIR01 C-10050MS06-Kwa-s	9: ARDG 000662-TIR01 C-10050MS06-Kwa-s
Be [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	0.000007	0.000011	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	9.23	8.86	8.87	10.3	9.08
Cd [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	0.000016	0.000148	0.000008	0.000021	0.000098
Cr [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	0.00011	0.00031	0.00012	0.00008	0.00136
Cu [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0008
Fe [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	0.007	0.067	< 0.007	0.007	0.734
K [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	17.3	17.7	16.4	17.5	18.9
Li [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	0.0013	0.0013	0.0013	0.0014	0.0016
Mg [mg/L]	03-Aug-23	11:57	14-Aug-23	16:03	2.10	1.97	1.80	2.48	2.37
Mn [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.00071	0.00164	0.00061	0.00106	0.00564
Mo [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.00564	0.00527	0.00577	0.00942	0.00674
Na [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	25.5	23.5	21.7	23.1	29.4
Ni [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.0003	0.0002	< 0.0001	< 0.0001	0.0045
Pb [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.00010	0.00070	< 0.00009	< 0.00009	0.00009
Sb [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.0050	0.0046	0.0050	0.0043	0.0058
Se [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.00058	0.00056	0.00089	0.00054	0.00069
Si [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	1.68	2.07	2.00	1.71	1.93
Sn [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.00014	0.00039	< 0.00006	< 0.00006	0.00008
Sr [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.0633	0.0615	0.0570	0.0619	0.0589
Ti [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.00012	0.00331	0.00015	0.00028	0.00015
Tl [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.000007	0.000008	0.000010	0.000007	0.000009
U [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.000168	0.000171	0.000202	0.000350	0.000268
V [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	0.00239	0.00288	0.00406	0.00194	0.00276
Zn [mg/L]	03-Aug-23	11:57	14-Aug-23	16:04	< 0.002	0.002	< 0.002	< 0.002	< 0.002

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19132-JUL23**

Analysis	10: ARDG 000663-TIR01 C-10050MS06-Kwa-s	11: ARDG 000664-TIR01 C-10050MS06-MV	12: ARDG 000665-TIR01 C-10050MS06-MV	13: ARDG 000666-TIR01 C-10050MS06-MV	14: ARDG 000667-TIR01 C-10050MS06-MV	15: ARDG 000668-TIR01 C-10050MS06-MV	16: ARDG 000669-TIR01 C-10050MS06-MV
Sample Date & Time	8-Jun-23	24-Jun-23	24-Jun-23	24-Jun-23	25-Jun-23	25-Jun-23	25-Jun-23
Sample weight [g]	250	250	251	250	250	251	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	8.93	8.97	8.96	9.04	8.86	8.84	8.65
pH [No unit]	8.00	8.03	8.03	8.04	7.95	8.00	7.93
Conductivity [uS/cm]	336	378	669	605	898	772	1290
Alkalinity [mg/L as CaCO3]	37	54	57	63	58	65	52
SO4 [mg/L]	59	77	83	73	77	94	140
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.489	0.392	0.375	0.431	0.355	0.333	0.280
As [mg/L]	0.0555	0.111	0.130	0.0809	0.0381	0.0829	0.0677
Ba [mg/L]	0.00692	0.00206	0.00237	0.00156	0.00261	0.00320	0.00642
B [mg/L]	0.018	0.023	0.051	0.065	0.043	0.025	0.053
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	21.1	16.1	14.8	11.3	20.3	19.6	37.8
Cd [mg/L]	< 0.000003	0.000007	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000045	0.000118	0.000078	0.000037	0.000142	0.000120	0.000187
Cr [mg/L]	0.00019	0.00008	0.00018	< 0.00008	0.00223	0.00038	0.00083
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0006	0.0003	0.0009
Fe [mg/L]	0.008	0.023	0.028	< 0.007	0.883	0.109	0.493
K [mg/L]	16.3	10.8	9.68	10.6	11.3	8.75	13.1
Li [mg/L]	0.0023	0.0031	0.0028	0.0032	0.0044	0.0055	0.0072
Mg [mg/L]	3.94	7.24	5.63	4.54	9.32	9.83	17.5
Mn [mg/L]	0.00264	0.00632	0.00472	0.00410	0.0124	0.00790	0.0174
Mo [mg/L]	0.0105	0.0106	0.00775	0.00736	0.00713	0.00667	0.0118

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000344897

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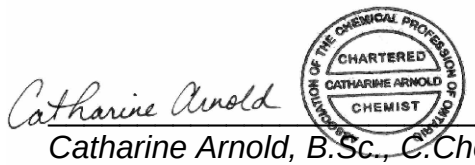
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19132-JUL23**

Analysis	10: ARDG 000663-TIR01 C-10050MS06-Kwa-s	11: ARDG 000664-TIR01 C-10050MS06-MV	12: ARDG 000665-TIR01 C-10050MS06-MV	13: ARDG 000666-TIR01 C-10050MS06-MV	14: ARDG 000667-TIR01 C-10050MS06-MV	15: ARDG 000668-TIR01 C-10050MS06-MV	16: ARDG 000669-TIR01 C-10050MS06-MV
Na [mg/L]	27.3	43.2	105	101	133	115	187
Ni [mg/L]	< 0.0001	0.0003	0.0003	0.0002	0.0054	0.0026	0.0025
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0026	0.0073	0.0035	0.0050	0.0044	0.0029	0.0028
Se [mg/L]	0.00043	0.00272	0.00191	0.00444	0.00325	0.00167	0.00208
Si [mg/L]	1.55	1.66	1.52	1.52	1.52	1.54	1.66
Sn [mg/L]	< 0.00006	0.00006	0.00027	< 0.00006	0.00012	0.00006	0.00009
Sr [mg/L]	0.156	0.0251	0.0409	0.0246	0.0467	0.0540	0.116
Ti [mg/L]	< 0.00007	0.00009	< 0.00007	< 0.00007	0.00012	< 0.00007	< 0.00007
Tl [mg/L]	0.000006	0.000014	0.000007	0.000012	0.000013	0.000005	0.000011
U [mg/L]	0.000223	0.000232	0.000177	0.000298	0.000080	0.000103	0.000166
V [mg/L]	0.00071	0.00198	0.00193	0.00204	0.00127	0.00146	0.00123
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003448975

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

25-September-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
Canada, X0C 0A0
Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 08 August 2023
LR Report: **CA19209-JUL23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Sample Date & Time	Paste pH no unit	Fizz Rate rating	Sample weight g	HCl_add mL	HCl Normality
1: Analysis Start Date		15-Aug-23	15-Aug-23	15-Aug-23	16-Aug-23	15-Aug-23
2: Analysis Start Time		08:33	08:33	08:33	06:18	08:33
3: Analysis Completed Date		17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23
4: Analysis Completed Time		09:37	09:37	09:37	09:37	09:37
5: ARDG-000638-TIR01B-10010MS02-MV	1-Jul-23	8.55	4	1.98	105.00	0.10
6: ARDG-000639-TIR01B-10010MS02-MV	1-Jul-23	8.41	4	1.96	110.00	0.10
7: ARDG-000640-TIR01B-10010MS02-MV	1-Jul-23	9.05	2	1.99	125.00	0.10
8: ARDG-000641-TIR01B-10010M02-Ksc-wa	1-Jul-23	9.00	2	2.04	60.00	0.10

Sample ID	NaOH Normality	Vol NaOH to pH=8.3 mL	Final pH no unit	NPt CaCO3/1000t	AP CaCO3/1000t	Net NP CaCO3/1000t
1: Analysis Start Date	15-Aug-23	16-Aug-23	16-Aug-23	16-Aug-23	22-Sep-23	22-Sep-23
2: Analysis Start Time	08:33	08:23	08:23	08:23	17:21	17:21
3: Analysis Completed Date	17-Aug-23	17-Aug-23	17-Aug-23	17-Aug-23	22-Sep-23	22-Sep-23
4: Analysis Completed Time	09:37	09:37	09:37	09:37	17:22	17:22
5: ARDG-000638-TIR01B-10010MS02-MV	0.10	54.94	1.88	126	69.1	57.3
6: ARDG-000639-TIR01B-10010MS02-MV	0.10	35.50	1.80	190	148	42.3
7: ARDG-000640-TIR01B-10010MS02-MV	0.10	38.83	1.87	216	18.1	198
8: ARDG-000641-TIR01B-10010M02-Ksc-wa	0.10	30.93	1.78	71.3	11.9	59.4

Sample ID	NP/AP ratio	S %	Acid Leachable SO4-S %	Sulphide %	C %	CO3 (HCl) as %CO3 %
1: Analysis Start Date	22-Sep-23	16:02	22-Sep-23	22-Sep-23	16:02	20-Sep-23
2: Analysis Start Time	17:21	16:02	17:21	15:08	16:02	14:20

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19209-JUL23**

Sample ID	NP/AP ratio	S %	Acid Leachable SO4-S %	Sulphide %	C %	CO3 (HCl) as %CO3 %
3: Analysis Completed Date	22-Sep-23	22-Sep-23	22-Sep-23	22-Sep-23	20-Sep-23	20-Sep-23
4: Analysis Completed Time	17:22	17:21	17:21	17:21	14:32	14:32
5: ARDG-000638-TIR01B-10010MS02-MV	1.83	2.29	0.08	2.21	3.41	0.54
6: ARDG-000639-TIR01B-10010MS02-MV	1.29	5.38	0.65	4.73	2.68	0.52
7: ARDG-000640-TIR01B-10010MS02-MV	11.9	0.734	0.15	0.58	4.07	0.28
8: ARDG-000641-TIR01B-10010M02-Ksc-wa	6.00	0.425	0.04	0.38	1.31	0.22

ABA - Modified Sobek

*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

21-September-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
Canada, X0C 0A0
Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 08 August 2023
LR Report: **CA19211-JUL23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000638-TIR01B-10010MS02-MV	6: ARDG-000639-TIR01B-10010MS02-MV	7: ARDG-000640-TIR01B-10010MS02-MV	8: ARDG-000641-TIR01B-10010M02-Ksc-wa
Sample Date & Time					1-Jul-23	1-Jul-23	1-Jul-23	1-Jul-23
Sample weight [g]	11-Sep-23	06:30	12-Sep-23	16:36	250	250	250	250
Volume D.I. Water [mL]	11-Sep-23	06:30	12-Sep-23	16:36	750	750	750	750
pH [no unit]	12-Sep-23	08:30	12-Sep-23	16:36	7.92	7.91	8.63	8.62
pH [No unit]	13-Sep-23	10:22	14-Sep-23	10:36	7.84	7.87	8.06	8.10
Conductivity [uS/cm]	13-Sep-23	10:22	14-Sep-23	10:36	1080	1160	391	322
Alkalinity [mg/L as CaCO3]	13-Sep-23	10:22	14-Sep-23	10:36	49	54	69	65
SO4 [mg/L]	13-Sep-23	09:38	13-Sep-23	13:13	510	570	89	68
Hg [mg/L]	15-Sep-23	10:23	21-Sep-23	11:30	< 0.00001	< 0.00001	< 0.00001	0.00001
Ag [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.087	0.057	0.342	0.339
As [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.0135	0.0113	0.0576	0.0232
Ba [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.00345	0.00565	0.00105	0.0100
B [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.050	0.064	0.013	0.010
Be [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	151	181	25.2	26.7
Cd [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.000019	0.000033	0.000006	0.000007
Co [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.000862	0.00126	0.000159	0.000024
Cr [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.0003	0.0002	0.0003	< 0.0002
Fe [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	10.7	10.4	11.7	11.1
Li [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.0087	0.0096	0.0034	0.0015
Mg [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	26.8	29.2	11.8	7.36
Mn [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.109	0.191	0.00783	0.00390
Mo [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.0226	0.0310	0.00926	0.0102
Na [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	48.0	41.3	30.4	23.9
Ni [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.0018	0.0025	0.0005	0.0002
Pb [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.0027	0.0020	0.0032	< 0.0009
Se [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.00950	0.0124	0.00189	0.00045
Si [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	1.86	1.92	1.44	1.32
Sn [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.00006	< 0.00006	< 0.00006	< 0.00006

OnLine LIMS

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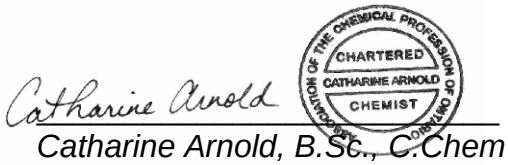
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19211-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000638-TIR01B-10010MS02-MV	6: ARDG-000639-TIR01B-10010MS02-MV	7: ARDG-000640-TIR01B-10010MS02-MV	8: ARDG-000641-TIR01B-10010M02-Ksc-wa
Sr [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.172	0.204	0.0404	0.169
Ti [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.00009	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.000009	0.000014	0.000006	0.000005
U [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.000307	0.000413	0.000169	0.000211
V [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	0.00022	0.00016	0.00076	0.00011
Zn [mg/L]	18-Sep-23	11:48	21-Sep-23	11:30	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

29-August-2023

Date Rec. : 08 August 2023
LR Report: **CA19210-JUL23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00063 8-TIR01B-100 10MS02-MV	6: ARDG-00063 9-TIR01B-100 10MS02-MV	7: ARDG-00064 0-TIR01B-100 10MS02-MV	8: ARDG-000641 -TIR01B-1001 0M02-Ksc-wa
Sample Date & Time					1-Jul-23	1-Jul-23	1-Jul-23	1-Jul-23
Ag [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	< 0.5	0.6	< 0.5	< 0.5
Al [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	67000	61000	67000	44000
As [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	1600	2400	2200	700
Ba [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	200	150	190	250
Be [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	0.66	0.66	1.0	0.76
Bi [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	0.25	0.43	0.10	0.14
Ca [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	75000	62000	72000	18000
Cd [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	0.29	1.8	0.48	0.08
Co [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	49	82	40	7.4
Cr [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	110	67	110	20
Cu [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	180	260	97	19
Fe [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	67000	89000	69000	100000
K [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	12000	9700	15000	5600
Li [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	40	43	35	12

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19210-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00063 8-TIR01B-100 10MS02-MV	6: ARDG-00063 9-TIR01B-100 10MS02-MV	7: ARDG-00064 0-TIR01B-100 10MS02-MV	8: ARDG-000641 -TIR01B-1001 0M02-Ksc-wa
Mg [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	15000	13000	23000	7200
Mn [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	1900	1600	1700	280
Mo [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	11	16	0.9	1.0
Ni [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	99	130	100	16
Pb [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	17	35	14	8
Sb [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	0.9	1.9	1.3	< 0.8
Se [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	1.9	4.7	0.5	0.2
Sn [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	< 6	< 6	< 6	< 6
Sr [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	170	140	190	210
Ti [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	2800	2000	2100	1500
Tl [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	0.55	0.47	0.67	0.13
U [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	0.44	0.75	0.20	0.56
V [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	170	150	190	30
Y [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	7.7	7.4	5.4	3.3
Zn [µg/g]	23-Aug-23	11:35	24-Aug-23	18:15	160	470	200	41

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

15-September-2023

Agnico Eagle Mines Limited
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Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 08 August 2023
LR Report: **CA19206-JUL23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000670-TIR01 C-10050MS09-Kwa-s	6: ARDG 000671-TIR01 C-10050MS09-Kwa-s	7: ARDG 000672-TIR01 C-10050MS09-Kwa-s
Sample Date & Time					2-Jul-23	2-Jul-23	2-Jul-23
Paste pH [no unit]	21-Aug-23	08:16	24-Aug-23	08:53	9.28	9.33	9.32
Fizz Rate [rating]	21-Aug-23	08:16	24-Aug-23	08:53	2	2	2
Sample weight [g]	21-Aug-23	08:16	24-Aug-23	08:53	2.15	1.98	1.96
HCl_add [mL]	22-Aug-23	06:18	24-Aug-23	08:53	40.00	30.00	35.00
HCl [Normality]	21-Aug-23	08:16	24-Aug-23	08:53	0.10	0.10	0.10
NaOH [Normality]	21-Aug-23	08:16	24-Aug-23	08:53	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	22-Aug-23	08:29	24-Aug-23	08:53	24.73	16.54	19.03
Final pH [no unit]	22-Aug-23	08:29	24-Aug-23	08:53	1.66	1.85	1.72
NP [t CaCO3/1000 t]	22-Aug-23	08:29	24-Aug-23	08:53	35.5	34.0	40.7
AP [t CaCO3/1000 t]	12-Sep-23	09:21	12-Sep-23	09:21	5.00	5.62	11.2
Net NP [t CaCO3/1000 t]	12-Sep-23	09:21	12-Sep-23	09:21	30.5	28.4	29.4
NP/AP [ratio]	12-Sep-23	09:21	12-Sep-23	09:21	7.10	6.04	3.62
S [%]	11-Sep-23	10:45	12-Sep-23	09:21	0.208	0.251	0.566
Acid Leachable SO4-S [%]	12-Sep-23	09:20	12-Sep-23	09:21	0.05	0.07	0.21
Sulphide [%]	11-Sep-23	11:30	12-Sep-23	09:21	0.16	0.18	0.36
C [%]	11-Sep-23	10:45	12-Sep-23	09:21	0.542	0.696	0.643
CO3 (HCl) as %CO3 [%]	14-Sep-23	14:23	14-Sep-23	15:04	2.31	3.04	3.00

Analysis	8: ARDG 000673-TIR01 C-10050MS09-Kwa-s	9: ARDG 000674-TIR01 C-10050MS09-Kwa-s	10: ARDG 000675-TIR01 C-10050MS09-Kwa-s	11: ARDG 000676-TIR01 C-10050MS09-Kwa-s	12: ARDG 000677-TIR01 C-10050MS09-Kwa-s	13: ARDG 000678-TIR01 C-10050MS09-Kwa-s	14: ARDG 000679-TIR01 C-10050MS09-Kwa-s
Sample Date & Time	2-Jul-23	2-Jul-23	2-Jul-23	4-Jul-23	4-Jul-23	4-Jul-23	4-Jul-23
Paste pH [no unit]	9.44	9.32	9.45	9.27	9.00	9.40	8.95

OnLine LIMS

0003469009

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19206-JUL23**

Analysis	8: ARDG 000673-TIR01 C-10050MS09-Kwa-s	9: ARDG 000674-TIR01 C-10050MS09-Kwa-s	10: ARDG 000675-TIR01 C-10050MS09-Kwa-s	11: ARDG 000676-TIR01 C-10050MS09-Kwa-s	12: ARDG 000677-TIR01 C-10050MS09-Kwa-s	13: ARDG 000678-TIR01 C-10050MS09-Kwa-s	14: ARDG 000679-TIR01 C-10050MS09-Kwa-s
Fizz Rate [rating]	2	2	2	2	2	2	2
Sample weight [g]	1.97	1.99	1.98	1.99	1.97	2.17	1.98
HCl_add [mL]	40.00	45.00	45.00	45.00	40.00	30.00	40.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	24.16	26.39	26.61	23.51	26.58	18.04	24.64
Final pH [no unit]	1.60	1.59	1.63	1.65	1.55	1.75	1.59
NP [t CaCO3/1000 t]	40.2	46.8	46.4	54.0	34.1	27.6	38.8
AP [t CaCO3/1000 t]	5.62	5.31	5.00	5.62	3.44	3.44	5.94
Net NP [t CaCO3/1000 t]	34.6	41.5	41.4	48.4	30.7	24.2	32.9
NP/AP [ratio]	7.15	8.81	9.28	9.60	9.92	8.03	6.53
S [%]	0.283	0.204	0.227	0.224	0.220	0.161	0.279
Acid Leachable SO4-S [%]	0.10	< 0.04	0.07	0.04	0.11	0.05	0.09
Sulphide [%]	0.18	0.17	0.16	0.18	0.11	0.11	0.19
C [%]	0.656	0.803	0.730	0.803	0.806	0.473	0.650
CO3 (HCl) as %CO3 [%]	2.92	3.63	3.31	3.68	3.67	2.03	2.85

Analysis	15: ARDG 000680-TIR01 C-10050MS09-Kwa-s	16: ARDG 000681-TIR01 C-10050MS09-Kwa-s	17: ARDG 000682-TIR01 C-10050MS09-Kwa-s
Sample Date & Time	4-Jul-23	5-Jul-23	5-Jul-23
Paste pH [no unit]	9.09	9.12	9.11
Fizz Rate [rating]	2	2	2
Sample weight [g]	1.90	1.88	1.91
HCl_add [mL]	40.00	40.00	30.00
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	24.82	24.05	18.79
Final pH [no unit]	1.58	1.58	1.73
NP [t CaCO3/1000 t]	40.0	42.4	29.3
AP [t CaCO3/1000 t]	3.12	5.62	4.38
Net NP [t CaCO3/1000 t]	36.9	36.8	24.9
NP/AP [ratio]	12.8	7.54	6.70
S [%]	0.183	0.321	0.222
Acid Leachable SO4-S [%]	0.08	0.14	0.08
Sulphide [%]	0.10	0.18	0.14
C [%]	0.594	0.615	0.523
CO3 (HCl) as %CO3 [%]	2.61	2.78	2.02

ABA - Modified Sobek

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OnLine LIMS

0003469009

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19206-JUL23**

*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

08-September-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 08 August 2023
LR Report: **CA19207-JUL23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000670-TIR01C-10050MS09-Kwa-s	6: ARDG 000671-TIR01C-10050MS09-Kwa-s	7: ARDG 000672-TIR01C-10050MS09-Kwa-s
Sample Date & Time					2-Jul-23	2-Jul-23	2-Jul-23
Ag [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	< 0.5	< 0.5	< 0.5
Al [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	56000	68000	66000
As [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	84	100	17
Ba [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	890	1600	730
Be [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	1.2	1.4	1.2
Bi [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	0.20	0.28	0.31
Ca [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	9900	12000	13000
Cd [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	0.10	0.09	0.11
Co [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	19	19	20
Cr [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	63	65	48
Cu [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	48	45	42
Fe [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	35000	32000	31000
K [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	17000	15000	17000
Li [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	40	31	31
Mg [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	13000	11000	11000
Mn [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	300	300	320
Mo [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	1.5	1.8	1.2
Ni [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	69	60	64
Pb [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	11	22	13
Sb [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	< 0.8	< 0.8	< 0.8
Se [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	0.2	0.2	0.3
Sn [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	< 6	< 6	< 6
Sr [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	300	460	260
Ti [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	1500	1900	720
Tl [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	0.45	0.42	0.45
U [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	0.91	1.18	1.09
V [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	82	67	69
Y [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	4.0	5.4	4.7

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19207-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000670-TIR01C-10050MS09-Kwa-s	6: ARDG 000671-TIR01C-10050MS09-Kwa-s	7: ARDG 000672-TIR01C-10050MS09-Kwa-s
Zn [µg/g]	02-Sep-23	17:39	07-Sep-23	16:42	79	73	60

Analysis	8: ARDG 000673-TIR01C-10050MS09-Kwa-s	9: ARDG 000674-TIR01C-10050MS09-Kwa-s	10: ARDG 000675-TIR01C-10050MS09-Kwa-s	11: ARDG 000676-TIR01C-10050MS09-Kwa-s	12: ARDG 000677-TIR01C-10050MS09-Kwa-s	13: ARDG 000678-TIR01C-10050MS09-Kwa-s	14: ARDG 000679-TIR01C-10050MS09-Kwa-s
Sample Date & Time	2-Jul-23	2-Jul-23	2-Jul-23	4-Jul-23	4-Jul-23	4-Jul-23	4-Jul-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	72000	59000	57000	59000	86000	86000	65000
As [µg/g]	76	370	380	9.3	60	140	39
Ba [µg/g]	850	670	650	600	780	630	560
Be [µg/g]	1.3	1.1	1.1	0.99	1.3	1.2	1.2
Bi [µg/g]	0.27	0.17	0.17	0.15	0.22	0.20	0.30
Ca [µg/g]	12000	13000	13000	18000	11000	10000	12000
Cd [µg/g]	0.12	0.11	0.12	0.13	0.11	0.10	0.12
Co [µg/g]	21	18	17	21	20	22	21
Cr [µg/g]	77	50	58	48	76	83	68
Cu [µg/g]	49	44	44	48	46	43	50
Fe [µg/g]	40000	31000	30000	39000	42000	41000	37000
K [µg/g]	19000	16000	15000	13000	21000	20000	18000
Li [µg/g]	40	26	26	38	47	47	41
Mg [µg/g]	15000	11000	11000	13000	16000	15000	13000
Mn [µg/g]	380	330	330	470	380	360	350
Mo [µg/g]	1.8	1.3	1.4	1.4	1.6	1.7	1.6
Ni [µg/g]	75	59	58	59	75	76	71
Pb [µg/g]	40	13	14	11	18	14	11
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.2	0.2	0.2	0.3	0.2	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	350	320	300	300	340	320	260
Ti [µg/g]	970	1500	1400	1200	840	820	890
Tl [µg/g]	0.47	0.42	0.41	0.34	0.52	0.50	0.47
U [µg/g]	0.90	0.94	1.03	0.71	1.61	1.62	1.08
V [µg/g]	110	71	76	96	110	110	89
Y [µg/g]	4.8	3.9	3.7	5.1	6.6	7.0	4.7
Zn [µg/g]	80	69	67	79	85	85	77

Analysis	15: ARDG 000680-TIR01C-10050MS09-Kwa-s	16: ARDG 000681-TIR01C-10050MS09-Kwa-s	17: ARDG 000682-TIR01C-10050MS09-Kwa-s
Sample Date & Time	4-Jul-23	5-Jul-23	5-Jul-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19207-JUL23**

Analysis	15: ARDG 000680-TIR01C-10050MS09-Kwa-S	16: ARDG 000681-TIR01C-10050MS09-Kwa-S	17: ARDG 000682-TIR01C-10050MS09-Kwa-S
Al [µg/g]	71000	59000	82000
As [µg/g]	96	40	68
Ba [µg/g]	550	590	910
Be [µg/g]	1.2	1.2	1.5
Bi [µg/g]	0.19	0.35	0.38
Ca [µg/g]	12000	12000	9900
Cd [µg/g]	0.12	0.10	0.12
Co [µg/g]	17	18	22
Cr [µg/g]	71	61	88
Cu [µg/g]	43	47	47
Fe [µg/g]	35000	39000	44000
K [µg/g]	17000	16000	22000
Li [µg/g]	41	44	54
Mg [µg/g]	13000	13000	17000
Mn [µg/g]	350	340	380
Mo [µg/g]	1.5	1.6	1.8
Ni [µg/g]	64	66	80
Pb [µg/g]	14	19	38
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.2	0.3
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	250	230	310
Ti [µg/g]	840	1200	1000
Tl [µg/g]	0.43	0.44	0.54
U [µg/g]	1.06	0.96	1.71
V [µg/g]	85	78	120
Y [µg/g]	5.1	3.6	6.3
Zn [µg/g]	74	71	90

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

04-October-2023

Agnico Eagle Mines Limited
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Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 08 August 2023
LR Report: **CA19208-JUL23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000670-TIR01 C-10050MS09-Kwa-s	6: ARDG 000671-TIR01 C-10050MS09-Kwa-s	7: ARDG 000672-TIR01 C-10050MS09-Kwa-s
Sample Date & Time					2-Jul-23	2-Jul-23	2-Jul-23
Sample weight [g]	14-Sep-23	12:45	22-Sep-23	16:40	250	250	250
Volume D.I. Water [mL]	14-Sep-23	12:45	22-Sep-23	16:40	750	750	750
pH [no unit]	14-Sep-23	12:45	22-Sep-23	16:40	9.30	9.20	9.26
pH [No unit]	22-Sep-23	10:50	25-Sep-23	11:52	8.44	8.37	8.30
Conductivity [uS/cm]	22-Sep-23	10:50	25-Sep-23	11:52	225	313	275
Alkalinity [mg/L as CaCO3]	22-Sep-23	10:50	25-Sep-23	11:52	46	52	38
SO4 [mg/L]	02-Oct-23	13:24	03-Oct-23	14:45	20	30	38
Hg [mg/L]	29-Sep-23	16:48	03-Oct-23	16:53	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.700	0.559	0.620
As [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.121	0.0529	0.0109
Ba [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00479	0.01130	0.00516
B [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.012	0.012	0.011
Be [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	8.76	9.91	11.0
Cd [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.000004	0.000006	0.000004
Co [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.000034	0.000036	0.000015
Cr [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00015	0.00009	0.00010
Cu [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.007	< 0.007	< 0.007
K [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	17.1	18.8	15.9
Li [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.0015	0.0044	0.0031
Mg [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	2.25	3.57	3.01
Mn [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00078	0.00152	0.00118

OnLine LIMS
0003488812

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19208-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000670-TIR01 C-10050MS09-Kwa-s	6: ARDG 000671-TIR01 C-10050MS09-Kwa-s	7: ARDG 000672-TIR01 C-10050MS09-Kwa-s
Mo [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00446	0.00703	0.00387
Na [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	23.7	31.3	29.5
Ni [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.0001	0.0003	< 0.0001
Pb [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.0039	0.0035	0.0013
Se [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00028	0.00041	0.00052
Si [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	1.85	1.92	2.03
Sn [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00006	< 0.00006	0.00008
Sr [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.0523	0.0881	0.0612
Ti [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00025	0.00014	0.00010
Tl [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.000005	0.000009	0.000010
U [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.000135	0.000205	0.000113
V [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	0.00310	0.00193	0.00230
Zn [mg/L]	28-Sep-23	15:13	29-Sep-23	13:38	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG 000673-TIR01 C-10050MS09-Kwa-s	9: ARDG 000674-TIR01 C-10050MS09-Kwa-s	10: ARDG 000675-TIR01 C-10050MS09-Kwa-s	11: ARDG 000676-TIR01 C-10050MS09-Kwa-s	12: ARDG 000677-TIR01 C-10050MS09-Kwa-s	13: ARDG 000678-TIR01 C-10050MS09-Kwa-s
Sample Date & Time	2-Jul-23	2-Jul-23	2-Jul-23	4-Jul-23	4-Jul-23	4-Jul-23
Sample weight [g]	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.26	9.18	9.26	9.18	9.13	9.28
pH [No unit]	8.53	8.12	8.40	8.26	8.56	8.52
Conductivity [uS/cm]	227	313	256	239	332	218
Alkalinity [mg/L as CaCO3]	50	51	52	42	51	48
SO4 [mg/L]	20	39	30	37	29	23
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.714	0.593	0.639	0.578	0.539	0.687
As [mg/L]	0.0387	0.148	0.128	0.0051	0.0397	0.0742
Ba [mg/L]	0.00459	0.00576	0.00553	0.00457	0.00455	0.00206
B [mg/L]	0.011	0.011	0.009	0.008	0.015	0.010
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	9.31	11.7	10.3	10.7	13.0	8.70
Cd [mg/L]	0.000003	0.000004	0.000004	0.000005	0.000003	0.000005
Co [mg/L]	0.000016	0.000066	0.000043	0.000009	0.000043	0.000021
Cr [mg/L]	0.00010	0.00010	0.00008	< 0.00008	< 0.00008	0.00012

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19208-JUL23**

Analysis	8: ARDG 000673-TIR01 C-10050MS09-Kwa-s	9: ARDG 000674-TIR01 C-10050MS09-Kwa-s	10: ARDG 000675-TIR01 C-10050MS09-Kwa-s	11: ARDG 000676-TIR01 C-10050MS09-Kwa-s	12: ARDG 000677-TIR01 C-10050MS09-Kwa-s	13: ARDG 000678-TIR01 C-10050MS09-Kwa-s
Cu [mg/L]	< 0.0002	0.0003	< 0.0002	< 0.0002	0.0003	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	19.9	19.4	22.8	15.2	25.2	18.4
Li [mg/L]	0.0015	0.0016	0.0016	0.0014	0.0019	0.0012
Mg [mg/L]	2.42	4.51	3.77	3.32	4.65	2.23
Mn [mg/L]	0.00079	0.00153	0.00108	0.00116	0.00155	0.00083
Mo [mg/L]	0.00555	0.00693	0.00593	0.00557	0.00435	0.00695
Na [mg/L]	21.6	32.4	21.2	22.0	23.9	21.6
Ni [mg/L]	0.0001	0.0003	0.0002	< 0.0001	0.0001	0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0034	0.0034	0.0037	0.0013	0.0033	0.0033
Se [mg/L]	0.00031	0.00101	0.00106	0.00085	0.00052	0.00035
Si [mg/L]	1.70	2.09	1.99	1.93	1.66	1.70
Sn [mg/L]	0.00047	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0633	0.0846	0.0658	0.0682	0.0791	0.0412
Ti [mg/L]	0.00012	0.00010	0.00015	0.00008	0.00008	0.00023
Tl [mg/L]	0.000007	0.000011	0.000009	0.000014	0.000017	0.000005
U [mg/L]	0.000076	0.000250	0.000254	0.000089	0.000083	0.000073
V [mg/L]	0.00218	0.00232	0.00254	0.00219	0.00160	0.00261
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	14: ARDG 000679-TIR01 C-10050MS09-Kwa-s	15: ARDG 000680-TIR01 C-10050MS09-Kwa-s	16: ARDG 000681-TIR01 C-10050MS09-Kwa-s	17: ARDG 000682-TIR01 C-10050MS09-Kwa-s
Sample Date & Time	4-Jul-23	4-Jul-23	5-Jul-23	5-Jul-23
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.96	9.14	9.27	9.09
pH [No unit]	8.05	8.17	7.80	8.03
Conductivity [uS/cm]	447	346	229	304
Alkalinity [mg/L as CaCO3]	43	44	30	42
SO4 [mg/L]	68	46	31	58
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.418	0.544	0.491	0.535
As [mg/L]	0.0321	0.0812	0.0139	0.147
Ba [mg/L]	0.00643	0.00381	0.00351	0.00475
B [mg/L]	0.010	0.010	0.008	0.014

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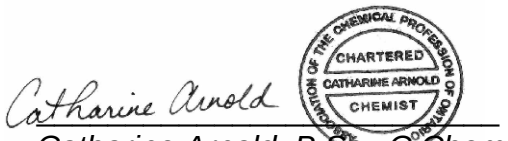
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19208-JUL23**

Analysis	14: ARDG 000679-TIR01 C-10050MS09-Kwa-s	15: ARDG 000680-TIR01 C-10050MS09-Kwa-s	16: ARDG 000681-TIR01 C-10050MS09-Kwa-s	17: ARDG 000682-TIR01 C-10050MS09-Kwa-s
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	19.3	12.2	10.1	13.5
Cd [mg/L]	0.000005	0.000003	0.000005	0.000003
Co [mg/L]	0.000092	0.000054	0.000021	0.000075
Cr [mg/L]	< 0.00008	0.00010	0.00009	< 0.00008
Cu [mg/L]	0.0004	0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	22.9	21.7	11.7	22.6
Li [mg/L]	0.0030	0.0018	0.0015	0.0018
Mg [mg/L]	8.30	4.48	2.95	4.74
Mn [mg/L]	0.00299	0.00161	0.00180	0.00162
Mo [mg/L]	0.00479	0.00497	0.00458	0.00421
Na [mg/L]	41.7	36.4	23.0	25.6
Ni [mg/L]	0.0002	0.0002	0.0001	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0016	0.0027	0.0021	0.0037
Se [mg/L]	0.00120	0.00111	0.00037	0.00100
Si [mg/L]	1.90	1.98	1.17	1.81
Sn [mg/L]	0.00009	0.00008	0.00008	< 0.00006
Sr [mg/L]	0.104	0.0636	0.0517	0.0806
Ti [mg/L]	< 0.00007	0.00019	0.00015	0.00008
Tl [mg/L]	0.000021	0.000010	0.000005	0.000010
U [mg/L]	0.000348	0.000217	0.000063	0.000220
V [mg/L]	0.00121	0.00212	0.00093	0.00214
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

18-September-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 10 August 2023
LR Report: **CA19093-AUG23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000718-TIR01C-10050MS12-KW A-S	6: ARDG 000719-TIR01C-10050MS12-KW A-S	7: ARDG 000720-TIR01C-10050MS12-KW A-S	8: ARDG 000721-TIR01C-10050MS12-KW A-S
Sample Date & Time					15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23
Paste pH [no unit]	13-Sep-23	08:48	15-Sep-23	16:46	8.74	8.62	8.83	8.92
Fizz Rate [rating]	13-Sep-23	08:48	15-Sep-23	16:46	2	2	3	3
Sample weight [g]	13-Sep-23	08:48	15-Sep-23	16:46	2.00	1.98	2.05	2.04
HCl_add [mL]	14-Sep-23	06:45	15-Sep-23	16:46	30.00	30.00	30.00	30.00
HCl [Normality]	13-Sep-23	08:48	15-Sep-23	16:46	0.10	0.10	0.10	0.10
NaOH [Normality]	13-Sep-23	08:48	15-Sep-23	16:46	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14-Sep-23	08:17	15-Sep-23	16:46	13.71	14.95	15.65	15.10
Final pH [no unit]	14-Sep-23	08:17	15-Sep-23	16:46	1.87	1.79	1.67	1.71
NP [t CaCO3/1000 t]	14-Sep-23	08:17	15-Sep-23	16:46	40.7	38.0	35.0	36.5
AP [t CaCO3/1000 t]	11-Sep-23	10:45	15-Sep-23	16:47	11.2	5.31	5.94	4.69
Net NP [t CaCO3/1000 t]	11-Sep-23	10:45	15-Sep-23	16:47	29.4	32.7	29.1	31.8
NP/AP [ratio]	11-Sep-23	10:45	15-Sep-23	16:47	3.62	7.15	5.89	7.79
S [%]	11-Sep-23	10:45	12-Sep-23	09:20	0.480	0.264	0.280	0.206
Acid Leachable SO4-S [%]	12-Sep-23	09:20	12-Sep-23	09:20	0.12	0.09	0.09	0.06
Sulphide [%]	11-Sep-23	11:30	12-Sep-23	09:20	0.36	0.17	0.19	0.15
C [%]	11-Sep-23	10:45	12-Sep-23	09:20	0.735	0.623	0.475	0.618
CO3 (HCl) as %CO3 [%]	14-Sep-23	14:23	14-Sep-23	15:03	2.42	2.26	1.60	2.20

Analysis	9: ARDG 000722-TIR01C-10050MS12-KW A-S	10: ARDG 000723-TIR01C-10050MS12-KW A-S	11: ARDG 000724-TIR01C-10050MS12-KW A-S	12: ARDG 000725-TIR01C-10050MS12-KW A-S	13: ARDG 000726-TIR01C-10050MS12-KW A-S	14: ARDG 000727-TIR01C-10050MS12-KW A-S	15: ARDG 000728-TIR01C-10050MS12-KW A-S	16: ARDG 000729-TIR01C-10050MS12-KW A-S
Sample Date & Time	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	06-Jul-23
Paste pH [no unit]	9.11	8.94	9.13	9.16	9.26	8.87	9.15	9.11
Fizz Rate [rating]	3	2	2	2	2	2	2	2
Sample weight [g]	2.13	1.90	2.04	2.08	2.00	1.92	2.03	1.92
HCl_add [mL]	40.00	30.00	30.00	30.00	40.00	40.00	40.00	40.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21.32	13.89	14.13	14.60	20.88	18.69	22.04	18.89
Final pH [no unit]	1.53	1.76	1.78	1.78	1.58	1.62	1.56	1.68

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19093-AUG23**

Analysis	9: ARDG 000722-TIR01C-10050MS12-KWA-S	10: ARDG 000723-TIR01C-10050MS12-KWA-S	11: ARDG 000724-TIR01C-10050MS12-KWA-S	12: ARDG 000725-TIR01C-10050MS12-KWA-S	13: ARDG 000726-TIR01C-10050MS12-KWA-S	14: ARDG 000727-TIR01C-10050MS12-KWA-S	15: ARDG 000728-TIR01C-10050MS12-KWA-S	16: ARDG 000729-TIR01C-10050MS12-KWA-S
NP [t CaCO3/1000 t]	43.9	42.4	38.9	37.0	47.8	55.5	44.2	55.0
AP [t CaCO3/1000 t]	6.25	7.19	4.38	3.75	5.00	8.75	5.00	4.06
Net NP [t CaCO3/1000 t]	37.6	35.2	34.5	33.2	42.8	46.8	39.2	50.9
NP/AP [ratio]	7.02	5.90	8.89	9.87	9.56	6.34	8.84	13.5
S [%]	0.272	0.300	0.180	0.154	0.192	0.368	0.216	0.224
Acid Leachable SO4-S [%]	0.07	0.07	0.04	< 0.04	< 0.04	0.09	0.06	0.09
Sulphide [%]	0.20	0.23	0.14	0.12	0.16	0.28	0.16	0.13
C [%]	0.629	0.646	0.557	0.544	0.742	0.804	0.672	0.851
CO3 (HCl) as %CO3 [%]	2.47	2.61	2.13	2.15	2.95	3.22	2.56	3.48

Analysis	17: ARDG 000683-TIR01C-10050MS08-SAM	18: ARDG 000684-TIR01C-10050MS08-SAM	19: ARDG 000685-TIR01C-10050MS08-SAM	20: ARDG 000686-TIR01C-10050MS08-SAM	21: ARDG 000687-TIR01C-10050MS08-SAM	22: ARDG 000688-TIR01C-10050MS08-SAM	23: ARDG 000689-TIR01C-10050MS08-SAM	24: ARDG 000690-TIR01C-10050MS08-Kwa-s
Sample Date & Time	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23
Paste pH [no unit]	8.85	8.65	8.67	8.84	8.90	8.73	9.00	8.54
Fizz Rate [rating]	4	2	3	2	2	3	2	4
Sample weight [g]	2.03	1.95	2.10	1.93	1.94	2.09	1.90	1.90
HCl_add [mL]	70.00	20.00	30.00	30.00	30.00	45.00	30.00	50.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16.28	15.15	14.76	13.61	14.44	16.77	14.48	23.19
Final pH [no unit]	1.87	1.72	1.79	1.76	1.76	1.73	1.73	1.61
NP [t CaCO3/1000 t]	132	12.4	36.3	42.5	40.1	67.5	40.8	70.6
AP [t CaCO3/1000 t]	5.00	4.06	4.38	4.06	5.62	8.44	4.06	5.62
Net NP [t CaCO3/1000 t]	127	8.34	31.9	38.4	34.5	59.1	36.7	65.0
NP/AP [ratio]	26.5	3.05	8.30	10.5	7.13	8.00	10.0	12.6
S [%]	0.276	0.208	0.176	0.182	0.254	0.408	0.234	0.350
Acid Leachable SO4-S [%]	0.12	0.08	< 0.04	0.05	0.07	0.14	0.10	0.17
Sulphide [%]	0.16	0.13	0.14	0.13	0.18	0.27	0.13	0.18
C [%]	1.71	0.520	0.532	0.598	0.555	0.890	0.552	1.20
CO3 (HCl) as %CO3 [%]	8.10	2.05	2.13	2.46	2.31	3.90	2.27	4.68

Analysis	25: ARDG 000691-TIR01C-10050MS08-SAM	26: ARDG 000692-TIR01C-10050MS08-MV	27: ARDG 000693-TIR01C-10050MS08-Kwa-s	28: ARDG 000694-TIR01C-10050MS08-Kwa-s	29: ARDG 000695-TIR01C-10050MS08-Kwa-s
Sample Date & Time	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23
Paste pH [no unit]	8.52	8.82	8.70	8.33	8.24
Fizz Rate [rating]	2	3	3	4	4
Sample weight [g]	2.06	2.03	2.05	2.03	2.00
HCl_add [mL]	30.00	125.00	30.00	50.00	55.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17.84	48.62	13.35	27.12	22.02
Final pH [no unit]	1.60	1.59	1.89	1.68	1.76
NP [t CaCO3/1000 t]	29.5	188	40.6	56.3	82.4
AP [t CaCO3/1000 t]	5.31	7.19	1.88	25.0	64.4

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19093-AUG23**

Analysis	25: ARDG 000691-TIR01C-10050MS08-SAM	26: ARDG 000692-TIR01C-10050MS08-MV	27: ARDG 000693-TIR01C-10050MS08-Kwa-s	28: ARDG 000694-TIR01C-10050MS08-Kwa-s	29: ARDG 000695-TIR01C-10050MS08-Kwa-s
Net NP [t CaCO3/1000 t]	24.2	181	38.7	31.3	18.0
NP/AP [ratio]	5.55	26.2	21.7	2.25	1.28
S [%]	0.318	0.352	0.110	1.03	2.58
Acid Leachable SO4-S [%]	0.15	0.12	0.05	0.23	0.52
Sulphide [%]	0.17	0.23	0.06	0.80	2.06
C [%]	0.432	3.65	0.575	0.912	1.90
CO3 (HCl) as %CO3 [%]	1.41	18.2	2.74	4.02	6.57

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N\ NaOH \times NaOH \text{ added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

05-October-2023

Date Rec. : 10 August 2023
LR Report: **CA19095-AUG23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000718-TIR01C-10050MS12-KWA-S	6: ARDG 000719-TIR01C-10050MS12-KWA-S	7: ARDG 000720-TIR01C-10050MS12-KWA-S	8: ARDG 000721-TIR01C-10050MS12-KWA-S	9: ARDG 000722-TIR01C-10050MS12-KWA-S	10: ARDG 000723-TIR01C-10050MS12-KWA-S	11: ARDG 000724-TIR01C-10050MS12-KWA-S
Sample Date & Time					15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23
Sample weight [g]	26-Sep-23	13:25	28-Sep-23	16:27	250	250	250	250	250	250	250
Volume D.I. Water [mL]	26-Sep-23	13:25	28-Sep-23	16:27	750	750	750	750	750	750	750
pH [no unit]	27-Sep-23	07:25	28-Sep-23	16:27	9.05	9.19	9.11	9.32	9.38	9.18	9.34
pH [No unit]	27-Sep-23	16:04	28-Sep-23	12:08	7.86	7.89	7.74	7.73	7.92	7.91	8.02
Conductivity [uS/cm]	27-Sep-23	16:04	28-Sep-23	12:08	318	271	325	270	253	304	222
Alkalinity [mg/L as CaCO3]	27-Sep-23	16:04	28-Sep-23	12:08	42	44	35	40	42	43	45
SO4 [mg/L]	03-Oct-23	12:29	03-Oct-23	14:44	50	35	62	37	41	58	27
Hg [mg/L]	04-Oct-23	14:23	04-Oct-23	19:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.495	0.594	0.484	0.548	0.539	0.469	0.651
As [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.0948	0.172	0.0638	0.188	0.121	0.0667	0.160
Ba [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.00513	0.00434	0.00657	0.00647	0.00231	0.00619	0.00187
B [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.016	0.014	0.012	0.011	0.011	0.012	0.009
Be [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	14.6	11.6	17.1	9.85	10.2	14.8	9.30
Cd [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.000005	0.000003	0.000003	0.000003	0.000007	< 0.000003	0.000004
Co [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.000057	0.000040	0.000041	0.000052	0.000039	0.000051	0.000033
Cr [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.00019	0.00024	0.00022	0.00018	0.00022	0.00020	0.00024

OnLine LIMS

0003490023

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Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19095-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000718-TIR01C-10050MS12-KWA-S	6: ARDG 000719-TIR01C-10050MS12-KWA-S	7: ARDG 000720-TIR01C-10050MS12-KWA-S	8: ARDG 000721-TIR01C-10050MS12-KWA-S	9: ARDG 000722-TIR01C-10050MS12-KWA-S	10: ARDG 000723-TIR01C-10050MS12-KWA-S	11: ARDG 000724-TIR01C-10050MS12-KWA-S
Cu [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002	< 0.0002
Fe [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	18.7	17.4	19.4	19.1	16.2	19.4	18.1
Li [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.0012	0.0011	0.0022	0.0011	0.0018	0.0015	0.0011
Mg [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	4.40	3.28	3.59	2.47	2.96	4.99	2.51
Mn [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.00130	0.00083	0.00150	0.00090	0.00119	0.00150	0.00082
Mo [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.00629	0.00640	0.00769	0.00575	0.00763	0.00519	0.00519
Na [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	26.7	23.9	27.7	25.6	23.4	23.8	18.5
Ni [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.0011	0.0005	0.0008	0.0004	0.0011	0.0006	0.0003
Pb [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00015
Sb [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.0034	0.0036	0.0041	0.0051	0.0035	0.0030	0.0044
Se [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.00085	0.00074	0.00046	0.00037	0.00059	0.00058	0.00033
Si [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	1.60	1.74	1.84	1.92	1.98	1.92	1.71
Sn [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.00007	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00006	0.00007
Sr [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.0949	0.0626	0.0796	0.0443	0.0436	0.0669	0.0396
Ti [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.00073	0.00019	0.00021	0.00028	0.00026	0.00009	0.00010
Tl [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.000236	0.000250	0.000383	0.000332	0.000488	0.000308	0.000173
V [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	0.00129	0.00200	0.00187	0.00351	0.00321	0.00196	0.00299
Zn [mg/L]	01-Oct-23	13:59	03-Oct-23	15:27	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	12: ARDG 000725-TIR01C-10050MS12-KWA-S	13: ARDG 000726-TIR01C-10050MS12-KWA-S	14: ARDG 000727-TIR01C-10050MS12-KWA-S	15: ARDG 000728-TIR01C-10050MS12-KWA-S	16: ARDG 000729-TIR01C-10050MS12-KWA-S	17: ARDG 000683-TIR01C-10050MS08-SAM	18: ARDG 000684-TIR01C-10050MS08-SAM	19: ARDG 000685-TIR01C-10050MS08-SAM	20: ARDG 000686-TIR01C-10050MS08-SAM	21: ARDG 000687-TIR01C-10050MS08-SAM	22: ARDG 000688-TIR01C-10050MS08-SAM
Sample Date & Time	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23
Sample weight [g]	250	250	250	250	250	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750	750	750
pH [no unit]	9.42	9.47	9.10	9.35	9.34	9.06	9.08	9.08	9.23	9.17	9.12
pH [No unit]	7.98	7.99	7.85	8.04	8.23	7.80	7.84	7.80	7.87	7.88	7.80
Conductivity [uS/cm]	221	222	334	243	315	473	539	569	330	386	364
Alkalinity [mg/L as CaCO3]	49	53	42	51	53	37	39	37	40	40	39
SO4 [mg/L]	19	24	77	33	43	62	64	57	50	57	60
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19095-AUG23**

Analysis	12: ARDG 000725-TIR01C-10050MS12-KWA-S	13: ARDG 000726-TIR01C-10050MS12-KWA-S	14: ARDG 000727-TIR01C-10050MS12-KWA-S	15: ARDG 000728-TIR01C-10050MS12-KWA-S	16: ARDG 000729-TIR01C-10050MS12-KWA-S	17: ARDG 000683-TIR01C-10050MS08-SAM	18: ARDG 000684-TIR01C-10050MS08-SAM	19: ARDG 000685-TIR01C-10050MS08-SAM	20: ARDG 000686-TIR01C-10050MS08-SAM	21: ARDG 000687-TIR01C-10050MS08-SAM	22: ARDG 000688-TIR01C-10050MS08-SAM
Al [mg/L]	0.690	0.630	0.431	0.646	0.547	0.417	0.421	0.405	0.497	0.427	0.465
As [mg/L]	0.255	0.275	0.0089	0.138	0.199	0.0119	0.132	0.116	0.0813	0.0565	0.0059
Ba [mg/L]	0.00191	0.00185	0.00535	0.00215	0.00431	0.00719	0.00928	0.00982	0.00553	0.00649	0.00476
B [mg/L]	0.011	0.009	0.008	0.008	0.009	0.012	0.013	0.013	0.010	0.009	0.009
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	8.30	7.38	21.0	8.75	11.3	23.3	23.7	21.7	14.4	19.1	20.3
Cd [mg/L]	< 0.000003	0.000004	0.000003	0.000005	0.000004	< 0.000003	0.000006	0.000005	0.000006	0.000007	< 0.000003
Co [mg/L]	0.000058	0.000038	0.000020	0.000029	0.000049	0.000068	0.000088	0.000082	0.000049	0.000037	0.000017
Cr [mg/L]	0.00024	0.00025	0.00014	0.00022	0.00021	0.00023	0.00028	0.00028	0.00025	0.00028	0.00027
Cu [mg/L]	< 0.0002	0.0003	0.0003	< 0.0002	< 0.0002	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	16.1	19.0	20.0	19.7	21.5	22.1	20.9	23.6	18.7	19.6	20.3
Li [mg/L]	0.0013	0.0011	0.0015	0.0009	0.0015	0.0018	0.0027	0.0020	0.0012	0.0017	0.0016
Mg [mg/L]	2.14	2.49	6.72	2.59	4.30	6.15	7.01	6.72	4.07	5.18	4.74
Mn [mg/L]	0.00064	0.00088	0.00202	0.00077	0.00120	0.00185	0.00270	0.00221	0.00119	0.00264	0.00126
Mo [mg/L]	0.00450	0.00518	0.00661	0.00583	0.00784	0.00422	0.00798	0.00762	0.00478	0.0105	0.00490
Na [mg/L]	21.6	20.4	21.8	21.6	28.5	44.3	56.0	62.0	29.7	35.6	30.7
Ni [mg/L]	0.0008	0.0004	0.0012	0.0004	0.0006	0.0003	0.0004	0.0009	0.0009	0.0004	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00021	< 0.00009	< 0.00009
Sb [mg/L]	0.0053	0.0047	0.0013	0.0053	0.0039	0.0046	0.0041	0.0040	0.0043	0.0028	0.0041
Se [mg/L]	0.00024	0.00058	0.00086	0.00052	0.00077	0.00068	0.00066	0.00063	0.00075	0.00062	0.00051
Si [mg/L]	1.88	2.03	1.92	1.86	1.93	1.82	1.86	1.95	1.75	1.70	1.83
Sn [mg/L]	< 0.00006	0.00007	< 0.00006	0.00006	0.00007	0.00007	< 0.00006	0.00007	0.00007	0.00009	0.00009
Sr [mg/L]	0.0366	0.0367	0.116	0.0432	0.0615	0.160	0.143	0.138	0.0754	0.110	0.0850
Ti [mg/L]	0.00011	0.00029	0.00009	0.00020	0.00014	0.00011	0.00009	0.00012	0.00012	0.00013	0.00009
Tl [mg/L]	< 0.000005	< 0.000005	0.000009	< 0.000005	< 0.000005	0.000012	< 0.000005	0.000008	0.000008	< 0.000005	0.000007
U [mg/L]	0.000255	0.000538	0.000578	0.000234	0.000500	0.000470	0.000416	0.000368	0.000262	0.000285	0.000420
V [mg/L]	0.00396	0.00453	0.00165	0.00377	0.00283	0.00114	0.00159	0.00172	0.00176	0.00109	0.00139
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19095-AUG23**

Analysis	23: ARDG 000689-TIR01C-10050MS08-SAM	24: ARDG 000690-TIR01C-10050MS08-Kwa-s	25: ARDG 000691-TIR01C-10050MS08-SAM	26: ARDG 000692-TIR01C-10050MS08-MV	27: ARDG 000693-TIR01C-10050MS08-Kwa-s	28: ARDG 000694-TIR01C-10050MS08-Kwa-s	29: ARDG 000695-TIR01C-10050MS08-Kwa-s	30: ARDG 000695-TIR01C-10050MS08-Kwa-s	31:BLK: $D.I. Leachate Blank
Sample Date & Time	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23		
Sample weight [g]	250	250	250	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750
pH [no unit]	9.20	9.10	9.12	8.89	9.01	8.86	8.40	8.40	5.93
pH [No unit]	7.82	7.84	7.74	7.98	7.83	7.89	7.81	7.82	5.98
Conductivity [uS/cm]	334	299	347	626	469	390	1020	1010	< 2
Alkalinity [mg/L as CaCO3]	44	44	32	59	44	47	46	51	< 2
SO4 [mg/L]	45	48	56	87	60	68	280	290	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.471	0.495	0.438	0.333	0.378	0.382	0.146	0.136	0.003
As [mg/L]	0.0818	0.114	0.0818	0.0837	0.0183	0.0463	0.156	0.176	< 0.0002
Ba [mg/L]	0.00515	0.00441	0.00428	0.00331	0.0100	0.0239	0.0141	0.0148	0.00010
B [mg/L]	0.010	0.014	0.015	0.018	0.018	0.013	0.040	0.043	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	14.3	22.3	19.9	28.8	24.1	31.5	94.0	98.0	0.03
Cd [mg/L]	0.000005	< 0.000003	< 0.000003	0.000006	0.000003	< 0.000003	0.000076	0.000075	< 0.000003
Co [mg/L]	0.000038	0.000053	0.000048	0.000226	0.000017	0.000011	0.000428	0.000452	< 0.000004
Cr [mg/L]	0.00028	0.00015	0.00015	0.00022	0.00024	0.00018	0.00020	0.00021	0.00017
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0004	0.0004	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	17.8	19.2	15.4	11.5	18.1	22.2	30.5	29.4	0.108
Li [mg/L]	0.0014	0.0011	0.0010	0.0036	0.0018	0.0020	0.0080	0.0085	< 0.0001
Mg [mg/L]	4.34	5.14	4.67	13.4	5.15	4.94	29.0	28.7	0.003
Mn [mg/L]	0.00198	0.00219	0.00204	0.0106	0.00338	0.00366	0.0526	0.0537	0.00005
Mo [mg/L]	0.00997	0.00242	0.00332	0.00610	0.00392	0.00282	0.0261	0.0304	0.00016
Na [mg/L]	30.5	17.1	30.6	68.0	47.1	25.8	59.1	57.0	< 0.01
Ni [mg/L]	0.0007	0.0006	0.0007	0.0013	0.0009	0.0010	0.0018	0.0017	0.0005
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0039	0.0020	0.0039	0.0040	0.0016	0.0018	0.0049	0.0055	< 0.0009
Se [mg/L]	0.00048	0.00033	0.00042	0.00263	0.00051	0.00055	0.0225	0.0230	< 0.00004
Si [mg/L]	1.86	1.46	1.48	1.42	1.58	1.23	1.71	1.79	< 0.02
Sn [mg/L]	0.00010	0.00008	0.00007	< 0.00006	0.00008	0.00008	< 0.00006	0.00007	0.00007
Sr [mg/L]	0.0745	0.129	0.0829	0.0499	0.248	0.344	0.296	0.300	0.00016

OnLine LIMS

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SGS Canada Inc.
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19095-AUG23**

Analysis	23: ARDG 000689-TIR01C-10050MS08-SAM	24: ARDG 000690-TIR01C-10050MS08-Kwa-s	25: ARDG 000691-TIR01C-10050MS08-SAM	26: ARDG 000692-TIR01C-10050MS08-MV	27: ARDG 000693-TIR01C-10050MS08-Kwa-s	28: ARDG 000694-TIR01C-10050MS08-Kwa-s	29: ARDG 000695-TIR01C-10050MS08-Kwa-s	30: ARDG 000695-TIR01C-10050MS08-Kwa-s	31:BLK: $D.I. Leachate Blank
Ti [mg/L]	0.00016	0.00012	0.00018	< 0.00007	0.00011	0.00008	0.00008	0.00009	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000027	0.000032	0.000010
U [mg/L]	0.000308	0.000302	0.000286	0.000276	0.000629	0.000420	0.00184	0.00191	0.000004
V [mg/L]	0.00151	0.00062	0.00102	0.00110	0.00034	0.00019	0.00027	0.00024	0.00005
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.002	0.003	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003490023

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
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Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

08-September-2023

Date Rec. : 10 August 2023
LR Report: **CA19094-AUG23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000718-TIR01 C-10050MS12-KWA-S	6: ARDG 000719-TIR01 C-10050MS12-KWA-S	7: ARDG 000720-TIR01 C-10050MS12-KWA-S	8: ARDG 000721-TIR01 C-10050MS12-KWA-S	9: ARDG 000722-TIR01 C-10050MS12-KWA-S	10: ARDG 000723-TIR01 C-10050MS12-KWA-S
Sample Date & Time					15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23
Ag [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	88000	84000	81000	81000	61000	81000
As [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	290	130	52	35	23	25
Ba [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	1000	980	850	530	480	630
Be [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	1.4	1.4	1.2	1.2	1.2	1.3
Bi [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	0.28	0.35	0.25	0.29	0.23	0.23
Ca [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	13000	11000	12000	14000	13000	13000
Cd [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	0.12	0.18	0.11	0.14	0.13	0.13
Co [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	19	19	18	20	18	20
Cr [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	63	55	92	56	77	48
Cu [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	42	29	39	47	48	43
Fe [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	50000	44000	34000	36000	31000	35000
K [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	19000	18000	18000	18000	15000	18000

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19094-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000718-TIR01 C-10050MS12-KWA-S	6: ARDG 000719-TIR01 C-10050MS12-KWA-S	7: ARDG 000720-TIR01 C-10050MS12-KWA-S	8: ARDG 000721-TIR01 C-10050MS12-KWA-S	9: ARDG 000722-TIR01 C-10050MS12-KWA-S	10: ARDG 000723-TIR01 C-10050MS12-KWA-S
Li [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	46	44	40	43	35	39
Mg [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	14000	13000	12000	13000	11000	13000
Mn [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	340	330	300	400	340	350
Mo [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	1.7	1.7	1.3	1.4	1.7	1.5
Ni [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	67	62	59	67	58	65
Pb [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	15	27	11	16	18	15
Sb [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	0.5	0.3	0.3	0.3	0.2	0.3
Sn [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	310	310	320	300	250	310
Ti [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	2300	2300	820	1100	850	840
Tl [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	0.47	0.47	0.43	0.43	0.39	0.45
U [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	1.7	1.7	1.7	1.7	0.91	1.2
V [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	85	82	73	80	72	79
Y [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	7.0	6.4	6.8	6.6	3.9	6.2
Zn [µg/g]	02-Sep-23	17:39	07-Sep-23	16:45	80	78	77	74	70	77

Analysis	11: ARDG 000724-TIR01 C-10050MS12-KWA-S	12: ARDG 000725-TIR01 C-10050MS12-KWA-S	13: ARDG 000726-TIR01 C-10050MS12-KWA-S	14: ARDG 000727-TIR01 C-10050MS12-KWA-S	15: ARDG 000728-TIR01 C-10050MS12-KWA-S	16: ARDG 000729-TIR01 C-10050MS12-KWA-S	17: ARDG 000683-TIR01 C-10050MS08-SAM	18: ARDG 000684-TIR01 C-10050MS08-SAM	19: ARDG 000685-TIR01 C-10050MS08-SAM	20: ARDG 000686-TIR01 C-10050MS08-SAM
Sample Date & Time	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	89000	67000	86000	73000	87000	79000	74000	68000	78000	84000
As [µg/g]	140	83	70	9.9	230	260	34	59	59	41
Ba [µg/g]	640	500	700	610	660	730	550	770	960	900

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19094-AUG23**

Analysis	11: ARDG 000724-TIR01 C-10050MS12-KWA-S	12: ARDG 000725-TIR01 C-10050MS12-KWA-S	13: ARDG 000726-TIR01 C-10050MS12-KWA-S	14: ARDG 000727-TIR01 C-10050MS12-KWA-S	15: ARDG 000728-TIR01 C-10050MS12-KWA-S	16: ARDG 000729-TIR01 C-10050MS12-KWA-S	17: ARDG 000683-TIR01 C-10050MS08-SAM	18: ARDG 000684-TIR01 C-10050MS08-SAM	19: ARDG 000685-TIR01 C-10050MS08-SAM	20: ARDG 000686-TIR01 C-10050MS08-SAM
Be [µg/g]	1.3	1.2	1.3	1.1	1.1	1.2	1.0	1.2	1.3	1.3
Bi [µg/g]	0.35	0.25	0.23	0.21	0.25	0.19	0.36	0.24	0.18	0.23
Ca [µg/g]	11000	9400	13000	15000	13000	14000	47000	11000	12000	14000
Cd [µg/g]	0.12	0.11	0.13	0.12	0.12	0.13	0.12	0.07	0.07	0.09
Co [µg/g]	20	20	21	21	20	20	23	18	19	19
Cr [µg/g]	65	51	68	44	60	43	39	79	42	56
Cu [µg/g]	44	50	44	50	48	46	45	45	42	45
Fe [µg/g]	40000	37000	38000	35000	38000	33000	33000	35000	37000	38000
K [µg/g]	21000	19000	20000	16000	18000	18000	17000	17000	18000	19000
Li [µg/g]	47	43	40	34	41	29	24	38	38	40
Mg [µg/g]	15000	14000	14000	12000	14000	12000	9400	12000	13000	13000
Mn [µg/g]	410	320	400	390	410	370	400	320	320	360
Mo [µg/g]	1.5	1.4	1.5	1.3	1.5	1.5	1.4	1.6	1.6	1.6
Ni [µg/g]	72	69	72	58	71	63	50	62	64	62
Pb [µg/g]	17	13	36	11	15	17	55	11	11	49
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	310	280	370	360	360	380	390	310	330	340
Ti [µg/g]	890	830	1300	1100	800	1500	2400	1600	2000	2200
Tl [µg/g]	0.49	0.46	0.47	0.41	0.42	0.46	0.41	0.42	0.47	0.47
U [µg/g]	1.6	0.93	1.3	1.4	1.5	1.3	1.7	0.97	1.2	1.6
V [µg/g]	95	88	97	82	90	76	64	80	79	88
Y [µg/g]	7.1	3.8	5.9	5.4	6.7	6.0	16	4.6	5.7	8.1
Zn [µg/g]	79	77	84	75	81	71	45	72	68	69

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19094-AUG23**

Analysis	21: ARDG 000687-TIR01 C-10050MS08-SAM	22: ARDG 000688-TIR01 C-10050MS08-SAM	23: ARDG 000689-TIR01 C-10050MS08-SAM	24: ARDG 000690-TIR01 C-10050MS08-Kwa-s	25: ARDG 000691-TIR01 C-10050MS08-SAM	26: ARDG 000692-TIR01 C-10050MS08-MV	27: ARDG 000693-TIR01 C-10050MS08-Kwa-s	28: ARDG 000694-TIR01 C-10050MS08-Kwa-s	29: ARDG 000695-TIR01 C-10050MS08-Kwa-s
Sample Date & Time	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23	06-Jul-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	0.8	< 0.5	< 0.5
Al [µg/g]	79000	80000	71000	61000	89000	68000	56000	65000	78000
As [µg/g]	35	11	37	1400	140	13000	5600	55	750
Ba [µg/g]	820	570	700	630	720	190	520	590	350
Be [µg/g]	1.2	1.1	1.2	1.3	1.4	1.6	1.0	1.1	0.61
Bi [µg/g]	0.20	0.18	0.22	0.13	0.29	1.5	0.29	0.24	< 0.09
Ca [µg/g]	12000	23000	11000	22000	9800	21000	20000	14000	87000
Cd [µg/g]	0.12	0.07	0.11	0.13	0.06	1.9	0.11	0.07	0.17
Co [µg/g]	19	16	20	12	21	35	6.4	7.5	45
Cr [µg/g]	57	48	50	51	75	64	21	12	100
Cu [µg/g]	54	51	39	31	41	130	33	38	89
Fe [µg/g]	38000	44000	33000	120000	54000	57000	150000	47000	70000
K [µg/g]	18000	18000	16000	21000	20000	23000	10000	15000	9500
Li [µg/g]	40	35	35	24	50	18	22	25	48
Mg [µg/g]	13000	12000	12000	11000	15000	9600	8200	6800	20000
Mn [µg/g]	320	270	300	470	410	410	380	250	2300
Mo [µg/g]	1.5	1.4	1.4	1.3	1.5	4.5	1.9	2.2	0.5
Ni [µg/g]	64	66	60	47	75	64	15	18	110
Pb [µg/g]	14	11	18	21	14	120	16	15	12
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	4.1	1.5	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.2	0.2	0.3	2.0	0.8	0.1	0.4
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	340	280	340	230	270	150	370	400	180
Ti [µg/g]	1300	3100	1200	2400	2800	1300	1400	1800	3900
Tl [µg/g]	0.48	0.47	0.42	0.45	0.48	1.00	0.24	0.29	0.47
U [µg/g]	1.4	1.7	1.4	1.1	1.9	1.5	1.0	0.94	0.21

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Analysis	21: ARDG 000687-TIR01 C-10050MS08-SAM	22: ARDG 000688-TIR01 C-10050MS08-SAM	23: ARDG 000689-TIR01 C-10050MS08-SAM	24: ARDG 000690-TIR01 C-10050MS08-Kwa-s	25: ARDG 000691-TIR01 C-10050MS08-SAM	26: ARDG 000692-TIR01 C-10050MS08-MV	27: ARDG 000693-TIR01 C-10050MS08-Kwa-s	28: ARDG 000694-TIR01 C-10050MS08-Kwa-s	29: ARDG 000695-TIR01 C-10050MS08-Kwa-s
V [µg/g]	82	85	75	71	110	71	32	33	240
Y [µg/g]	5.7	8.2	4.8	6.9	7.6	6.9	5.8	3.3	6.8
Zn [µg/g]	74	58	70	52	78	480	61	55	100

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

18-September-2023

Agnico Eagle Mines Limited
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Meliadine
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Date Rec. : 10 August 2023
LR Report: **CA19090-AUG23**
Reference: Meliadine - PO#1254179

Copy: #2

CERTIFICATE OF ANALYSIS
Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000730-TIR01C-10050MS10-KWA-S	6: ARDG-000731-TIR01C-10050MS10-KWA-S	7: ARDG-000732-TIR01C-10050MS10-KWA-S	8: ARDG-000733-TIR01C-10050MS10-KWA-S
Sample Date & Time					19-Jul-23	19-Jul-23	19-Jul-23	21-Jul-23
Paste pH [no unit]	05-Sep-23	08:31	08-Sep-23	12:01	9.63	9.41	9.70	9.50
Fizz Rate [rating]	05-Sep-23	08:31	08-Sep-23	12:01	4	4	4	4
Sample weight [g]	05-Sep-23	08:31	08-Sep-23	12:01	2.00	1.97	1.97	2.13
HCl_add [mL]	06-Sep-23	06:20	08-Sep-23	12:01	40.00	50.00	40.00	40.00
HCl [Normality]	05-Sep-23	08:31	08-Sep-23	12:01	0.10	0.10	0.10	0.10
NaOH [Normality]	05-Sep-23	08:31	08-Sep-23	12:01	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Sep-23	08:21	08-Sep-23	12:01	18.17	21.76	23.03	22.65
Final pH [no unit]	06-Sep-23	08:21	08-Sep-23	12:01	1.80	1.60	1.57	1.71
NP [t CaCO3/1000 t]	06-Sep-23	08:21	08-Sep-23	12:01	54.6	71.7	43.1	40.7
AP [t CaCO3/1000 t]	12-Sep-23	09:19	12-Sep-23	09:19	3.44	4.69	2.50	2.81
Net NP [t CaCO3/1000 t]	12-Sep-23	09:19	12-Sep-23	09:19	51.2	67.0	40.6	37.9
NP/AP [ratio]	12-Sep-23	09:19	12-Sep-23	09:19	15.9	15.3	17.2	14.5
S [%]	11-Sep-23	10:45	12-Sep-23	09:19	0.239	0.217	0.189	0.198
Acid Leachable SO4-S [%]	12-Sep-23	09:19	12-Sep-23	09:19	0.13	0.07	0.11	0.11
Sulphide [%]	11-Sep-23	11:30	12-Sep-23	09:19	0.11	0.15	0.08	0.09
C [%]	11-Sep-23	10:45	12-Sep-23	09:19	0.804	0.972	0.624	0.710
CO3 (HCl) as %CO3 [%]	14-Sep-23	14:23	14-Sep-23	15:03	3.90	4.65	2.85	3.22

Analysis	9: ARDG-000734-TIR01C-10050MS10-MV	10: ARDG-000735-TIR01C-10050MS10-Ksc-wa	11: ARDG-000736-TIR01C-10050MS10-Ksc-wa	12: ARDG-000737-TIR01C-10050MS10-Ksc-wa	13: ARDG-000738-TIR01C-10050MS10-Ksc-wa	14: ARDG-000739-TIR01C-10050MS10-Ksc-wa	15: ARDG-000740-TIR01C-10050MS10-MV	16: ARDG-000741-TIR01C-10050MS10-MV
Sample Date & Time	21-Jul-23	21-Jul-23	21-Jul-23	24-Jul-23	24-Jul-23	24-Jul-23	24-Jul-23	24-Jul-23
Paste pH [no unit]	9.58	9.14	9.84	9.66	8.87	8.12	9.41	9.09
Fizz Rate [rating]	4	4	4	4	4	4	4	4
Sample weight [g]	2.00	2.00	2.09	2.05	2.15	2.06	1.99	2.07
HCl_add [mL]	170.00	40.00	60.00	40.00	55.00	50.00	111.35	130.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	47.50	19.91	16.23	32.68	19.66	31.21	52.01	67.56
Final pH [no unit]	1.62	1.98	1.52	1.72	1.54	1.60	1.58	1.87
NP [t CaCO3/1000 t]	306	50.2	105	17.9	82.2	45.6	149	151

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19090-AUG23**

Analysis	9: ARDG-000734-TIR01C-10050MS10-MV	10: ARDG-000735-TIR01C-10050MS10-Ksc-wa	11: ARDG-000736-TIR01C-10050MS10-Ksc-wa	12: ARDG-000737-TIR01C-10050MS10-Ksc-wa	13: ARDG-000738-TIR01C-10050MS10-Ksc-wa	14: ARDG-000739-TIR01C-10050MS10-Ksc-wa	15: ARDG-000740-TIR01C-10050MS10-MV	16: ARDG-000741-TIR01C-10050MS10-MV
AP [t CaCO3/1000 t]	4.06	4.38	7.19	3.12	2.81	2.19	6.56	5.62
Net NP [t CaCO3/1000 t]	302	45.8	97.5	14.8	79.4	43.4	143	145
NP/AP [ratio]	75.4	11.5	14.6	5.73	29.2	20.8	22.7	26.8
S [%]	0.210	0.216	0.295	0.127	0.096	0.095	0.262	0.248
Acid Leachable SO4-S [%]	0.08	0.08	0.06	< 0.04	< 0.04	< 0.04	0.05	0.07
Sulphide [%]	0.13	0.14	0.23	0.10	0.09	0.07	0.21	0.18
C [%]	3.49	0.933	1.01	0.722	0.917	0.871	3.00	3.52
CO3 (HCl) as %CO3 [%]	17.2	4.32	4.61	3.11	3.93	3.84	14.6	17.2

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N\ NaOH \times NaOH \text{ added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

05-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 10 August 2023
LR Report: **CA19092-AUG23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000730 -TIR01C-10050MS10-KWA-S	6: ARDG-000731 -TIR01C-10050MS10-KWA-S	7: ARDG-000732 -TIR01C-10050MS10-KWA-S
Sample Date & Time					19-Jul-23	19-Jul-23	19-Jul-23
Sample weight [g]	14-Sep-23	12:45	22-Sep-23	16:39	250	250	250
Volume D.I. Water [mL]	14-Sep-23	12:45	22-Sep-23	16:39	750	750	750
pH [no unit]	14-Sep-23	12:45	22-Sep-23	16:39	9.23	9.21	9.22
pH [No unit]	22-Sep-23	15:55	25-Sep-23	10:10	8.24	7.99	8.13
Conductivity [uS/cm]	22-Sep-23	15:55	25-Sep-23	10:10	312	274	260
Alkalinity [mg/L as CaCO3]	22-Sep-23	15:55	25-Sep-23	10:10	50	42	51
SO4 [mg/L]	02-Oct-23	14:11	03-Oct-23	14:44	32	29	31
Hg [mg/L]	29-Sep-23	16:48	03-Oct-23	16:52	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.601	0.578	0.641
As [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.140	0.0277	0.0947
Ba [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.0160	0.0108	0.0186
B [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.015	0.018	0.016
Be [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	10.1	10.6	10.0
Cd [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.000008	0.000004	0.000008
Co [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.000058	0.000035	0.000053
Cr [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.00009	0.00012	0.00008
Cu [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	< 0.007	< 0.007	< 0.007
K [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	24.8	16.6	21.8
Li [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.0019	0.0011	0.0028
Mg [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	3.86	3.09	3.41
Mn [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.00125	0.00102	0.00108

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19092-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000730-TIR01C-10050MS10-KWA-S	6: ARDG-000731-TIR01C-10050MS10-KWA-S	7: ARDG-000732-TIR01C-10050MS10-KWA-S
Mo [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.00636	0.00419	0.00678
Na [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	32.2	28.4	23.7
Ni [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.0002	0.0001	0.0002
Pb [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.0062	0.0034	0.0068
Se [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.00073	0.00076	0.00067
Si [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	1.92	1.79	1.88
Sn [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.103	0.128	0.109
Ti [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.00025	0.00010	0.00030
Tl [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.000011	0.000011	0.000014
U [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.000297	0.000095	0.000283
V [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	0.00238	0.00225	0.00213
Zn [mg/L]	28-Sep-23	15:13	29-Sep-23	13:39	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000733-TIR01C-10050MS10-KWA-S	9: ARDG-000734-TIR01C-10050MS10-MV	10: ARDG-000735-TIR01C-10050MS10-Ksc-wa	11: ARDG-000736-TIR01C-10050MS10-Ksc-wa	12: ARDG-000737-TIR01C-10050MS10-Ksc-wa	13: ARDG-000738-TIR01C-10050MS10-Ksc-wa
Sample Date & Time	21-Jul-23	21-Jul-23	21-Jul-23	21-Jul-23	24-Jul-23	24-Jul-23
Sample weight [g]	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.26	9.03	9.01	9.00	8.99	9.03
pH [No unit]	8.26	8.08	8.09	8.06	8.02	8.14
Conductivity [uS/cm]	250	314	320	336	640	535
Alkalinity [mg/L as CaCO3]	50	54	54	54	44	52
SO4 [mg/L]	31	38	42	42	38	37
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.638	0.492	0.569	0.524	0.465	0.497
As [mg/L]	0.180	0.107	0.127	0.0327	0.0082	0.0082
Ba [mg/L]	0.00593	0.00182	0.00709	0.00926	0.0172	0.0205
B [mg/L]	0.014	0.023	0.017	0.017	0.025	0.028
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000007	0.000008	0.000008
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	10.0	14.3	15.8	15.4	16.8	15.7
Cd [mg/L]	0.000004	0.000005	0.000009	0.000006	0.000003	0.000005
Co [mg/L]	0.000050	0.000086	0.000041	0.000019	0.000031	0.000046
Cr [mg/L]	0.00010	< 0.00008	< 0.00008	0.00009	0.00024	0.00013

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19092-AUG23**

Analysis	8: ARDG-000733-TIR01C-10050MS10-KWA-S	9: ARDG-000734-TIR01C-10050MS10-MV	10: ARDG-000735-TIR01C-10050MS10-Ksc-wa	11: ARDG-000736-TIR01C-10050MS10-Ksc-wa	12: ARDG-000737-TIR01C-10050MS10-Ksc-wa	13: ARDG-000738-TIR01C-10050MS10-Ksc-wa
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	20.3	6.74	19.0	18.1	21.0	21.5
Li [mg/L]	0.0016	0.0019	0.0023	0.0042	0.0025	0.0032
Mg [mg/L]	3.32	5.59	5.42	5.29	5.65	6.14
Mn [mg/L]	0.00133	0.00382	0.00228	0.00195	0.00170	0.00215
Mo [mg/L]	0.00774	0.00420	0.00694	0.00656	0.00547	0.00613
Na [mg/L]	23.5	36.5	27.9	32.7	87.0	67.3
Ni [mg/L]	0.0001	0.0002	0.0001	< 0.0001	0.0004	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0054	0.0046	0.0014	< 0.0009	0.0010	< 0.0009
Se [mg/L]	0.00055	0.00303	0.00057	0.00049	0.00031	0.00049
Si [mg/L]	2.04	1.36	1.71	1.64	1.80	1.80
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0656	0.0320	0.129	0.177	0.245	0.207
Ti [mg/L]	0.00017	< 0.00007	0.00010	0.00009	0.00010	0.00013
Tl [mg/L]	0.000007	0.000006	0.000009	0.000010	0.000015	0.000020
U [mg/L]	0.000363	0.000066	0.000516	0.000243	0.000259	0.000301
V [mg/L]	0.00305	0.00146	0.00045	0.00032	0.00049	0.00036
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	14: ARDG-000739-TIR01C-10050MS10-Ksc-wa	15: ARDG-000740-TIR01C-10050MS10-MV	16: ARDG-000741-TIR01C-10050MS10-MV	17: ARDG-000730-TIR01C-10050MS10-KWA-S	18: ARDG-000741-TIR01C-10050MS10-MV	19:BLK: $D.I. Leachate Blank
Sample Date & Time	24-Jul-23	24-Jul-23	24-Jul-23			
Sample weight [g]	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.06	9.06	8.93	9.22	8.94	5.61
pH [No unit]	8.15	8.06	8.21	8.13	8.16	5.93
Conductivity [uS/cm]	409	275	337	326	330	< 2
Alkalinity [mg/L as CaCO3]	58	47	72	51	71	< 2
SO4 [mg/L]	30	35	51	32	50	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.557	0.478	0.387	0.577	0.388	0.002
As [mg/L]	0.0065	0.0147	0.0885	0.142	0.0785	< 0.0002
Ba [mg/L]	0.0176	0.00507	0.00413	0.0171	0.00410	0.00011
B [mg/L]	0.020	0.011	0.012	0.015	0.011	< 0.002

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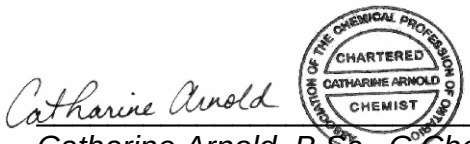
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19092-AUG23**

Analysis	14: ARDG-000739-TIR01C-10050MS10-Ksc-wa	15: ARDG-000740-TIR01C-10050MS10-MV	16: ARDG-000741-TIR01C-10050MS10-MV	17: ARDG-000730-TIR01C-10050MS10-KWA-S	18: ARDG-000741-TIR01C-10050MS10-MV	19:BLK: $D.I. Leachate Blank
Be [mg/L]	< 0.000007	0.000010	< 0.000007	< 0.000007	0.000007	0.000026
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00002
Ca [mg/L]	12.7	14.1	17.9	10.4	17.7	0.03
Cd [mg/L]	0.000008	0.000003	0.000003	0.000006	0.000005	0.000006
Co [mg/L]	0.000011	0.000021	0.000109	0.000068	0.000107	0.000008
Cr [mg/L]	0.00010	0.00011	< 0.00008	0.00020	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.007	< 0.007	< 0.007
K [mg/L]	21.3	8.71	6.89	25.1	6.31	0.148
Li [mg/L]	0.0029	0.0014	0.0024	0.0020	0.0024	< 0.0001
Mg [mg/L]	4.45	4.32	11.3	4.05	11.0	0.006
Mn [mg/L]	0.00143	0.00246	0.00374	0.00119	0.00413	0.00013
Mo [mg/L]	0.00655	0.00347	0.00387	0.00640	0.00369	0.00010
Na [mg/L]	50.0	28.1	29.6	33.5	28.1	0.02
Ni [mg/L]	< 0.0001	< 0.0001	0.0003	0.0002	0.0004	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0026	0.0025	0.0064	0.0024	< 0.0009
Se [mg/L]	0.00040	0.00121	0.00242	0.00069	0.00234	0.00006
Si [mg/L]	1.62	1.34	1.61	2.04	1.54	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00006
Sr [mg/L]	0.175	0.0487	0.0553	0.111	0.0556	0.00012
Ti [mg/L]	0.00008	0.00011	0.00008	0.00032	0.00008	< 0.00007
Tl [mg/L]	0.000011	0.000025	0.000012	0.000014	0.000034	0.000020
U [mg/L]	0.000179	0.000040	0.000065	0.000366	0.000043	0.000018
V [mg/L]	0.00030	0.00115	0.00130	0.00246	0.00116	0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

30-August-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 10 August 2023
LR Report: **CA19091-AUG23**
Reference: Meliadine - PO#1254179

Copy: #2

CERTIFICATE OF ANALYSIS
Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000730-T IR01C-10050MS 10-KWA-S	6: ARDG-000731-T IR01C-10050MS 10-KWA-S	7: ARDG-000732-T IR01C-10050MS 10-KWA-S	8: ARDG-000733-T IR01C-10050MS 10-KWA-S	9: ARDG-000734-T IR01C-10050MS 10-MV
Sample Date & Time					19-Jul-23	19-Jul-23	19-Jul-23	21-Jul-23	21-Jul-23
Ag [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	65000	67000	64000	56000	68000
As [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	95	25	78	73	190
Ba [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	2200	1500	2700	1200	310
Be [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	1.8	1.2	2.1	1.3	0.57
Bi [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	0.31	0.21	0.34	0.24	< 0.09
Ca [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	12000	23000	10000	10000	83000
Cd [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	0.09	0.14	0.10	0.07	0.19
Co [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	19	24	20	18	41
Cr [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	53	41	76	85	86
Cu [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	58	74	49	48	90
Fe [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	39000	47000	42000	34000	66000
K [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	21000	15000	22000	18000	6900
Li [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	36	38	41	29	57
Mg [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	14000	15000	14000	12000	21000
Mn [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	350	580	300	340	1900
Mo [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	1.7	1.3	1.6	1.8	0.6
Ni [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	69	63	68	65	100
Pb [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	87	32	92	26	12
Sb [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	0.2	0.3	0.3	0.2	0.3
Sn [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	470	520	490	380	160
Ti [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	3000	3600	3300	2200	1900
Tl [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	0.56	0.38	0.61	0.40	0.36
U [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	1.7	1.3	2.2	1.2	0.20
V [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	87	110	93	82	190
Y [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	6.6	7.4	6.1	4.7	9.7
Zn [µg/g]	25-Aug-23	07:07	28-Aug-23	12:19	85	83	89	79	120

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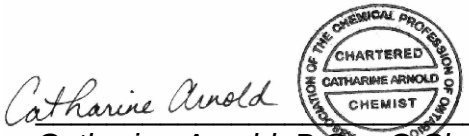
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19091-AUG23**

Analysis	10: ARDG-000735-T IR01C-10050MS 10-Ksc-wa	11: ARDG-000736-T IR01C-10050MS 10-Ksc-wa	12: ARDG-000737-T IR01C-10050MS 10-Ksc-wa	13: ARDG-000738-T IR01C-10050MS 10-Ksc-wa	14: ARDG-000739-T IR01C-10050MS 10-Ksc-wa	15: ARDG-000740-T IR01C-10050MS 10-MV	16: ARDG-000741-T IR01C-10050MS 10-MV
Sample Date & Time	21-Jul-23	21-Jul-23	24-Jul-23	24-Jul-23	24-Jul-23	24-Jul-23	24-Jul-23
Ag [µg/g]	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	58000	53000	54000	61000	58000	69000	62000
As [µg/g]	1500	1100	45	71	77	87	830
Ba [µg/g]	450	440	530	800	840	830	470
Be [µg/g]	0.94	0.91	0.93	1.1	1.1	0.63	0.57
Bi [µg/g]	0.14	0.36	0.18	0.13	0.16	< 0.09	< 0.09
Ca [µg/g]	17000	19000	16000	17000	16000	76000	57000
Cd [µg/g]	0.08	0.07	0.08	0.08	0.07	0.15	0.14
Co [µg/g]	6.8	6.2	6.2	5.5	5.7	43	39
Cr [µg/g]	12	11	8.3	6.7	7.2	110	85
Cu [µg/g]	25	37	35	36	30	91	100
Fe [µg/g]	53000	54000	56000	51000	54000	65000	68000
K [µg/g]	15000	13000	14000	14000	12000	6900	6000
Li [µg/g]	17	19	23	24	26	66	46
Mg [µg/g]	5200	5800	5700	5900	5900	21000	27000
Mn [µg/g]	220	250	220	250	230	1600	1300
Mo [µg/g]	1.3	1.9	1.6	2.0	2.1	1.2	0.4
Ni [µg/g]	14	13	12	10	11	110	84
Pb [µg/g]	10	14	40	21	15	28	16
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.1	0.2	0.2	0.1	< 0.1	0.5	0.4
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	290	310	320	340	350	230	260
Ti [µg/g]	1700	1600	1600	1700	1500	1800	1600
Tl [µg/g]	0.30	0.26	0.26	0.31	0.28	0.47	0.28
U [µg/g]	0.62	0.49	0.47	0.64	0.60	0.23	0.25
V [µg/g]	27	25	26	25	24	190	160
Y [µg/g]	2.6	2.7	2.4	2.8	2.5	11	4.7
Zn [µg/g]	52	54	53	59	48	90	91

Revised sample dates



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003450170

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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

02-October-2023

Date Rec. : 23 August 2023
LR Report: **CA19246-AUG23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000696-TIR01C-10050MS07-MV	6: ARDG 000697-TIR01C-10050MS07-MV	7: ARDG 000698-TIR01C-10050MS07-MV	8: ARDG 000699-TIR01C-10050MS07-MV	9: ARDG 000700-TIR01C-10050MS07-MV	10: ARDG 000701-TIR01C-10050MS07-MV	11: ARDG 000702-TIR01C-10050MS07-MV	12: ARDG 000703-TIR01C-10050MS07-MV
Sample Date & Time					28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23
Ag [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	72000	71000	67000	69000	64000	68000	74000	67000
As [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	31	7.6	7.7	15	670	16	43	62
Ba [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	9	130	130	110	130	60	440	54
Be [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.27	0.40	0.43	0.59	0.27	0.29	0.83	0.26
Bi [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.28	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.21	< 0.09
Ca [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	110000	62000	64000	63000	82000	74000	23000	81000
Cd [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.16	0.11	0.11	0.12	0.21	0.16	0.09	0.13
Co [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	47	44	44	44	51	48	30	45
Cr [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	180	190	180	130	150	140	120	130
Cu [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	99	89	99	120	150	100	74	130
Fe [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	70000	77000	74000	70000	82000	74000	51000	77000
K [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	270	7400	7300	5100	5600	2000	12000	1800
Li [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	24	58	57	56	49	68	34	54
Mg [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	33000	44000	40000	29000	26000	26000	18000	31000
Mn [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	2400	1400	1400	1400	2200	1600	860	1700
Mo [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.9	0.5	0.4	0.5	0.4	0.4	1.1	0.8
Ni [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	140	120	110	120	130	110	87	130
Pb [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	3	3	3	5	5	3	9	3

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19246-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000696-TIR01C-10050MS07-MV	6: ARDG 000697-TIR01C-10050MS07-MV	7: ARDG 000698-TIR01C-10050MS07-MV	8: ARDG 000699-TIR01C-10050MS07-MV	9: ARDG 000700-TIR01C-10050MS07-MV	10: ARDG 000701-TIR01C-10050MS07-MV	11: ARDG 000702-TIR01C-10050MS07-MV	12: ARDG 000703-TIR01C-10050MS07-MV
Sb [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	1.3	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.4	0.2	0.2	0.3	1.6	0.5	0.3	0.5
Sn [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	100	94	96	97	65	94	200	88
Ti [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	3800	440	420	380	2600	2300	3000	3800
Tl [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	< 0.02	0.27	0.26	0.17	0.21	0.09	0.31	0.07
U [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.16	0.39	0.073	0.32	0.068	0.18	1.46	0.14
V [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	220	210	200	190	200	220	110	220
Y [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	14	4.0	3.8	7.4	11	8.6	12	12
Zn [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	77	72	74	75	120	95	74	89

Analysis	13: ARDG 000704-TIR01C-10050MS07-MV	14: ARDG 000705-TIR01C-10050MS07-MV	15: ARDG 000706-TIR01C-10050MS07-MV	16: ARDG 000707-TIR01C-10050MS07-MV	17: ARDG 000708-TIR01C-10050MS07-MV	18: ARDG 000709-TIR01C-10050MS07-MV
Sample Date & Time	02-Aug-23	02-Aug-23	02-Aug-23	02-Aug-23	02-Aug-23	02-Aug-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	65000	68000	72000	73000	75000	66000
As [µg/g]	34	23	6.2	22	30	12
Ba [µg/g]	210	180	430	170	20	870
Be [µg/g]	0.32	0.32	0.46	0.31	0.31	0.63
Bi [µg/g]	0.17	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	92000	94000	67000	96000	77000	77000
Cd [µg/g]	0.14	0.11	0.11	0.14	0.11	0.11
Co [µg/g]	46	48	46	49	53	42
Cr [µg/g]	140	160	130	150	160	160
Cu [µg/g]	120	97	94	110	130	86
Fe [µg/g]	74000	71000	76000	72000	89000	65000
K [µg/g]	6100	2400	1700	760	350	7100
Li [µg/g]	53	40	75	33	28	50
Mg [µg/g]	24000	25000	37000	27000	43000	33000
Mn [µg/g]	2300	2400	1400	2100	1700	1700
Mo [µg/g]	0.6	0.3	0.2	0.4	0.4	0.4
Ni [µg/g]	120	130	120	140	150	120
Pb [µg/g]	51	3	8	5	4	14

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19246-AUG23**

Analysis	13: ARDG 000704-TIR01C-10050MS07-MV	14: ARDG 000705-TIR01C-10050MS07-MV	15: ARDG 000706-TIR01C-10050MS07-MV	16: ARDG 000707-TIR01C-10050MS07-MV	17: ARDG 000708-TIR01C-10050MS07-MV	18: ARDG 000709-TIR01C-10050MS07-MV
Sb [µg/g]	< 0.8	< 0.8	< 0.8	1.1	2.0	< 0.8
Se [µg/g]	0.5	0.4	0.3	0.4	0.4	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	120	95	190	170	170	220
Ti [µg/g]	3000	3400	560	4200	4600	860
Tl [µg/g]	0.25	0.08	0.06	0.03	< 0.02	0.28
U [µg/g]	0.12	0.20	0.097	0.12	0.087	0.23
V [µg/g]	210	200	200	230	240	180
Y [µg/g]	13	14	13	16	16	7.3
Zn [µg/g]	95	83	77	83	92	67

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

20-October-2023

Date Rec. : 23 August 2023
LR Report: **CA19247-AUG23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000696-TIR01 C-10050MS07 -MV	6: ARDG 000697-TIR01 C-10050MS07 -MV	7: ARDG 000698-TIR01 C-10050MS07 -MV	8: ARDG 000699-TIR01 C-10050MS07 -MV	9: ARDG 000700-TIR01 C-10050MS07 -MV	10: ARDG 000701-TIR01 C-10050MS07 -MV
Sample Date & Time					28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23
Sample weight [g]	11-Oct-23	12:44	13-Oct-23	10:30	250	250	250	250	250	250
Volume D.I. Water [mL]	11-Oct-23	12:44	13-Oct-23	10:30	750	750	750	750	750	750
pH [no unit]	11-Oct-23	12:44	13-Oct-23	10:30	9.11	8.97	8.94	9.65	9.12	9.13
pH [No unit]	13-Oct-23	16:28	17-Oct-23	14:38	7.77	8.07	8.00	9.60	7.97	7.84
Conductivity [uS/cm]	13-Oct-23	16:28	17-Oct-23	14:38	284	490	588	810	633	224
Alkalinity [mg/L as CaCO3]	13-Oct-23	16:28	17-Oct-23	14:38	40	58	59	151	54	42
SO4 [mg/L]	13-Oct-23	10:32	13-Oct-23	12:04	34	24	31	54	82	30
Hg [mg/L]	16-Oct-23	16:09	20-Oct-23	14:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.355	0.267	0.248	0.284	0.425	0.480
As [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.0191	0.0025	0.0024	0.0232	0.0651	0.0044
Ba [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.00255	0.00172	0.00162	0.00274	0.00188	0.00105
B [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.032	0.021	0.022	0.251	0.040	0.020
Be [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	< 0.000007	< 0.000007	< 0.000007	0.000029	< 0.000007	< 0.000007
Bi [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19247-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000696-TIR01 C-10050MS07 -MV	6: ARDG 000697-TIR01 C-10050MS07 -MV	7: ARDG 000698-TIR01 C-10050MS07 -MV	8: ARDG 000699-TIR01 C-10050MS07 -MV	9: ARDG 000700-TIR01 C-10050MS07 -MV	10: ARDG 000701-TIR01 C-10050MS07 -MV
Ca [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	9.46	12.0	14.2	3.05	9.56	12.0
Cd [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.000009	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003
Co [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.000049	0.000046	0.000166	0.000610	0.000071	0.000013
Cr [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.00009	0.00010	0.00009	0.00057	< 0.00008	< 0.00008
Cu [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	< 0.0002	0.0003	0.0003	0.0014	0.0005	< 0.0002
Fe [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.008	0.135	< 0.007	0.662	0.009	< 0.007
K [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	5.34	11.2	12.0	10.7	16.1	4.48
Li [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.0114	0.0011	0.0010	0.0061	0.0013	0.0009
Mg [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	2.75	7.26	9.10	0.838	2.38	2.90
Mn [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.00226	0.00183	0.00137	0.00878	0.00227	0.00137
Mo [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.0438	0.00485	0.00533	0.00493	0.00287	0.00268
Na [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	36.7	60.4	74.3	151	95.2	23.1
Ni [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.0001	0.0001	0.0001	0.0007	0.0002	< 0.0001
Pb [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	< 0.00009	< 0.00009	< 0.00009	0.00023	0.00009	< 0.00009
Sb [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.0028	< 0.0009	< 0.0009	< 0.0009	0.0010	< 0.0009
Se [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.00020	0.00048	0.00053	0.00206	0.00236	0.00051
Si [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	2.00	1.46	1.51	3.73	1.32	1.22
Sn [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.00010	0.00008	< 0.00006	< 0.00006	0.00011	< 0.00006
Sr [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.0159	0.0275	0.0307	0.00783	0.0210	0.0268
Ti [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.00015	< 0.00007	< 0.00007	0.00062	0.00021	< 0.00007
Tl [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	< 0.000005	0.000008	0.000011	< 0.000005	0.000007	< 0.000005
U [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.000009	0.000008	0.000005	0.000124	0.000019	0.000009
V [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	0.00311	0.00089	0.00096	0.00684	0.00197	0.00128
Zn [mg/L]	19-Oct-23	14:20	20-Oct-23	14:03	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19247-AUG23**

Analysis	11: ARDG 000702-TIR01 C-10050MS07 -MV	12: ARDG 000703-TIR01 C-10050MS07 -MV	13: ARDG 000704-TIR01 C-10050MS07 -MV	14: ARDG 000705-TIR01 C-10050MS07 -MV	15: ARDG 000706-TIR01 C-10050MS07 -MV	16: ARDG 000707-TIR01 C-10050MS07 -MV	17: ARDG 000708-TIR01 C-10050MS07 -MV	18: ARDG 000709-TIR01 C-10050MS07 -MV	19: ARDG 000709-TIR01 C-10050MS07 -MV	20:BLK: $D.I. Leachate Blank
Sample Date & Time	28-Jul-23	28-Jul-23	02-Aug-23	02-Aug-23	02-Aug-23	02-Aug-23	02-Aug-23	02-Aug-23		
Sample weight [g]	250	250	250	250	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750	750
pH [no unit]	9.23	9.18	9.10	9.68	9.05	8.76	9.29	8.95	8.97	5.71
pH [No unit]	9.34	7.91	7.82	9.16	8.50	7.74	7.75	7.90	7.92	5.23
Conductivity [uS/cm]	2200	199	273	658	476	751	183	597	583	< 2
Alkalinity [mg/L as CaCO3]	102	41	38	81	47	42	33	47	52	< 2
SO4 [mg/L]	140	13	19	49	13	24	27	42	40	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.061	0.486	0.547	0.271	0.348	0.282	0.380	0.235	0.240	0.002
As [mg/L]	0.151	0.0507	0.0181	0.0345	0.0012	0.0061	0.0154	0.0031	0.0026	< 0.0002
Ba [mg/L]	0.00453	0.00073	0.00142	0.00247	0.0366	0.0238	0.00313	0.0710	0.0706	0.00011
B [mg/L]	0.698	0.019	0.016	0.121	0.014	0.022	0.022	0.019	0.019	0.003
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	4.73	12.2	13.7	2.38	18.2	36.2	11.5	18.1	18.0	0.03
Cd [mg/L]	0.000003	0.000013	0.000004	< 0.000003	< 0.000003	0.000008	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000079	0.000051	0.000040	0.000189	0.000019	0.000239	0.000051	0.000031	0.000027	0.000008
Cr [mg/L]	0.00052	< 0.00008	< 0.00008	0.00032	< 0.00008	< 0.00008	0.00008	0.00009	0.00013	< 0.00008
Cu [mg/L]	0.0007	< 0.0002	0.0002	0.0010	0.0004	0.0011	0.0003	0.0004	0.0004	0.0003
Fe [mg/L]	0.048	< 0.007	< 0.007	0.104	0.007	< 0.007	0.010	< 0.007	0.015	0.028
K [mg/L]	28.7	3.57	7.89	11.7	4.88	4.68	1.04	10.8	10.9	< 0.009
Li [mg/L]	0.0028	0.0007	0.0008	0.0007	0.0014	0.0012	0.0013	0.0011	0.0011	0.0001
Mg [mg/L]	4.17	2.46	2.42	0.484	4.59	9.99	3.91	10.3	9.95	0.004
Mn [mg/L]	0.00097	0.00147	0.00254	0.00255	0.00178	0.00597	0.00083	0.00274	0.00266	0.00030
Mo [mg/L]	0.00474	0.0407	0.0108	0.00336	0.00160	0.00850	0.00452	0.00335	0.00316	0.00033
Na [mg/L]	400	18.5	27.2	115	44.5	85.6	16.0	68.2	65.6	0.06
Ni [mg/L]	0.0002	0.0002	< 0.0001	0.0004	< 0.0001	0.0007	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009

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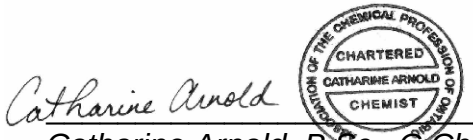
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19247-AUG23**

Analysis	11: ARDG 000702-TIR01 C-10050MS07 -MV	12: ARDG 000703-TIR01 C-10050MS07 -MV	13: ARDG 000704-TIR01 C-10050MS07 -MV	14: ARDG 000705-TIR01 C-10050MS07 -MV	15: ARDG 000706-TIR01 C-10050MS07 -MV	16: ARDG 000707-TIR01 C-10050MS07 -MV	17: ARDG 000708-TIR01 C-10050MS07 -MV	18: ARDG 000709-TIR01 C-10050MS07 -MV	19: ARDG 000709-TIR01 C-10050MS07 -MV	20:BLK: $D.I. Leachate Blank
Sb [mg/L]	0.0019	0.0045	0.0055	0.0052	< 0.0009	0.0020	0.0054	< 0.0009	< 0.0009	< 0.0009
Se [mg/L]	0.00412	0.00021	0.00028	0.00197	0.00025	0.00028	0.00053	0.00041	0.00044	< 0.00004
Si [mg/L]	4.06	1.22	1.17	2.23	1.21	1.40	1.98	1.52	1.49	< 0.02
Sn [mg/L]	0.00012	< 0.00006	< 0.00006	0.00006	0.00007	0.00006	0.00006	0.00008	< 0.00006	0.00010
Sr [mg/L]	0.0258	0.0238	0.0274	0.00597	0.0934	0.0868	0.0263	0.128	0.126	0.00008
Ti [mg/L]	0.00039	< 0.00007	< 0.00007	0.00142	< 0.00007	< 0.00007	0.00024	0.00008	0.00009	< 0.00007
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000012	0.000012	< 0.000005	0.000016	0.000017	< 0.000005
U [mg/L]	0.00200	0.000004	0.000007	0.000046	0.000002	0.000008	0.000002	0.000022	0.000019	< 0.000002
V [mg/L]	0.00390	0.00215	0.00149	0.00883	0.00079	0.00064	0.00296	0.00087	0.00088	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

04-October-2023

Date Rec. : 23 August 2023
LR Report: **CA19245-AUG23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000696-TIR01 C-10050MS07-MV	6: ARDG 000697-TIR01 C-10050MS07-MV	7: ARDG 000698-TIR01 C-10050MS07-MV	8: ARDG 000699-TIR01 C-10050MS07-MV	9: ARDG 000700-TIR01 C-10050MS07-MV
Sample Date & Time					28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23	28-Jul-23
Paste pH [no unit]	18-Sep-23	09:15	21-Sep-23	10:19	8.98	8.97	8.84	8.97	8.62
Fizz Rate [rating]	18-Sep-23	09:15	21-Sep-23	10:19	4	4	4	4	4
Sample weight [g]	18-Sep-23	09:15	21-Sep-23	10:19	2.18	1.95	2.18	2.15	1.98
HCl_add [mL]	19-Sep-23	07:14	21-Sep-23	10:19	125.00	152.00	120.00	140.00	120.00
HCl [Normality]	18-Sep-23	09:15	21-Sep-23	10:19	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	18-Sep-23	09:15	21-Sep-23	10:19	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Sep-23	08:32	21-Sep-23	10:19	66.04	107	37.66	59.66	46.20
Final pH [no unit]	19-Sep-23	08:32	21-Sep-23	10:19	1.50	1.50	1.70	1.52	1.51
NP [t CaCO3/1000 t]	19-Sep-23	08:32	21-Sep-23	10:19	135	115	189	187	186
AP [t CaCO3/1000 t]	03-Oct-23	16:14	03-Oct-23	16:14	4.69	1.88	2.19	3.12	23.8
Net NP [t CaCO3/1000 t]	03-Oct-23	16:14	03-Oct-23	16:14	131	113	187	184	163
NP/AP [ratio]	03-Oct-23	16:14	03-Oct-23	16:14	28.8	61.2	86.3	59.8	7.85
S [%]	03-Oct-23	08:01	03-Oct-23	16:14	0.203	0.086	0.099	0.125	1.12
Acid Leachable SO4-S [%]	03-Oct-23	16:14	03-Oct-23	16:14	0.05	< 0.04	< 0.04	< 0.04	0.36

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19245-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000696-TIR01 C-10050MS07-MV	6: ARDG 000697-TIR01 C-10050MS07-MV	7: ARDG 000698-TIR01 C-10050MS07-MV	8: ARDG 000699-TIR01 C-10050MS07-MV	9: ARDG 000700-TIR01 C-10050MS07-MV
Sulphide [%]	03-Oct-23	13:55	03-Oct-23	16:14	0.15	0.06	0.07	0.10	0.76
C [%]	03-Oct-23	08:01	03-Oct-23	16:14	2.30	3.18	3.29	2.42	2.94
CO3 (HCl) as %CO3 [%]	04-Oct-23	11:36	04-Oct-23	13:20	11.0	15.6	16.0	11.6	14.3

Analysis	10: ARDG 000701-TIR01 C-10050MS07-MV	11: ARDG 000702-TIR01 C-10050MS07-MV	12: ARDG 000703-TIR01 C-10050MS07-MV	13: ARDG 000704-TIR01 C-10050MS07-MV	14: ARDG 000705-TIR01 C-10050MS07-MV	15: ARDG 000706-TIR01 C-10050MS07-MV	16: ARDG 000707-TIR01 C-10050MS07-MV	17: ARDG 000708-TIR01 C-10050MS07-MV	18: ARDG 000709-TIR01 C-10050MS07-MV
Sample Date & Time	28-Jul-23	28-Jul-23	28-Jul-23	2-Aug-23	2-Aug-23	2-Aug-23	2-Aug-23	2-Aug-23	2-Aug-23
Paste pH [no unit]	8.74	8.63	8.64	8.55	8.94	8.40	8.36	8.74	8.60
Fizz Rate [rating]	4	4	4	4	4	4	4	4	4
Sample weight [g]	2.12	1.95	2.14	1.97	1.97	2.12	2.17	1.96	2.03
HCl_add [mL]	140.00	40.00	140.00	120.00	120.00	111.00	120.00	60.00	130.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	57.47	11.65	59.16	31.79	38.62	38.52	43.90	30.25	40.81
Final pH [no unit]	1.50	1.80	1.51	1.69	1.55	1.54	1.50	1.50	1.65
NP [t CaCO3/1000 t]	195	72.7	189	224	207	171	175	75.9	220
AP [t CaCO3/1000 t]	6.56	7.81	3.44	4.69	4.06	1.88	2.81	2.50	4.38
Net NP [t CaCO3/1000 t]	188	64.9	185	219	203	169	172	73.4	215
NP/AP [ratio]	29.7	9.31	55.0	47.8	50.9	91.2	62.3	30.4	50.2
S [%]	0.282	0.336	0.171	0.207	0.161	0.092	0.104	0.095	0.194
Acid Leachable SO4-S [%]	0.07	0.09	0.06	0.06	< 0.04	< 0.04	< 0.04	< 0.04	0.05
Sulphide [%]	0.21	0.25	0.11	0.15	0.13	0.06	0.09	0.08	0.14
C [%]	2.65	0.556	2.66	2.98	2.95	2.02	2.20	0.910	3.28
CO3 (HCl) as %CO3 [%]	12.8	2.55	12.7	14.3	14.4	9.77	10.4	3.97	15.8

ABA - Modified Sobek

*NP (Neutralization Potential)

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19245-AUG23**

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST — THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003488842

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

03-November-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 23 August 2023
LR Report: **CA19253-AUG23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000742-TIR01C-10040MS01-Kwa-s	6: ARDG 000743-TIR01C-10040MS01-Kwa-s	7: ARDG $ 000743-TIR01C-10040MS01-Kwa-s	8:BLK: D.I. Leachate Blank
Sample Date & Time					04-Aug-23	04-Aug-23		
Sample weight [g]	25-Oct-23	06:15	26-Oct-23	15:58	250	250	250	---
Volume D.I. Water [mL]	25-Oct-23	06:15	26-Oct-23	15:58	750	750	750	750
pH [no unit]	25-Oct-23	06:15	26-Oct-23	15:58	8.87	8.96	8.95	5.75
pH [No unit]	27-Oct-23	16:16	30-Oct-23	11:48	7.55	7.56	7.58	6.02
Conductivity [uS/cm]	27-Oct-23	16:16	30-Oct-23	11:48	356	309	311	11
Alkalinity [mg/L as CaCO3]	27-Oct-23	16:16	30-Oct-23	11:48	45	42	44	< 2
SO4 [mg/L]	30-Oct-23	20:33	31-Oct-23	08:11	76	65	66	< 2
Hg [mg/L]	27-Oct-23	15:21	03-Nov-23	12:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.446	0.484	0.486	0.003
As [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.104	0.0675	0.0672	< 0.0002
Ba [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.00724	0.00663	0.00633	0.00023
B [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.011	0.012	0.012	< 0.002
Be [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	16.4	15.1	15.0	0.06
Cd [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.000004	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.000051	0.000048	0.000056	0.000007
Cr [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.00009	< 0.00008	0.00011	< 0.00008
Cu [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.0004	0.0003	0.0003	0.0002
Fe [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.007	< 0.007	0.007	0.007
K [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	26.5	23.4	23.3	2.64
Li [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.0019	0.0014	0.0016	0.0001
Mg [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	6.51	5.05	5.01	0.006
Mn [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.00257	0.00182	0.00185	0.00029
Mo [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.00611	0.00604	0.00611	0.00038
Na [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	23.8	20.3	20.5	0.02
Ni [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.0003	0.0002	0.0002	0.0001
Pb [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.0033	0.0034	0.0034	< 0.0009
Se [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.00134	0.00097	0.00100	< 0.00004
Si [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	2.19	2.04	2.02	< 0.02
Sn [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	< 0.00006	0.00007	0.00008	< 0.00006
Sr [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.0856	0.0751	0.0749	0.00020
Ti [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.00011	< 0.00007	0.00033	0.00009

OnLine LIMS

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P.O. Box 4300 - 185 Concession St.
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19253-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000742-TIR01C-10040MS01-Kwa-s	6: ARDG 000743-TIR01C-10040MS01-Kwa-s	7: ARDG 000743-TIR01C-10040MS01-Kwa-s	8:BLK: $D.I. Leachate Blank
Tl [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.000017	0.000016	0.000015	< 0.000005
U [mg/L]	01-Nov-23	21:16	03-Nov-23	12:44	0.000606	0.000428	0.000450	0.000005
V [mg/L]	01-Nov-23	21:16	03-Nov-23	12:45	0.00191	0.00167	0.00168	0.00002
Zn [mg/L]	01-Nov-23	21:16	03-Nov-23	12:45	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

23-October-2023

Date Rec. : 23 August 2023
LR Report: **CA19251-AUG23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000742-TIR01 C-10040MS01-Kwa-s	6: ARDG 000743-TIR01 C-10040MS01-Kwa-s
Sample Date & Time					4-Aug-23	4-Aug-23
Paste pH [no unit]	15-Sep-23	09:27	18-Sep-23	15:20	8.99	9.05
Fizz Rate [rating]	15-Sep-23	09:27	18-Sep-23	15:20	2	2
Sample weight [g]	15-Sep-23	09:27	18-Sep-23	15:20	2.01	2.00
HCl_add [mL]	16-Sep-23	07:30	18-Sep-23	15:20	40.00	30.00
HCl [Normality]	15-Sep-23	09:27	18-Sep-23	15:20	0.10	0.10
NaOH [Normality]	15-Sep-23	09:27	18-Sep-23	15:20	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Sep-23	09:23	18-Sep-23	15:20	16.78	14.03
Final pH [no unit]	16-Sep-23	09:23	18-Sep-23	15:20	1.70	1.70
NP [t CaCO3/1000 t]	16-Sep-23	09:23	18-Sep-23	15:20	57.8	39.9
AP [t CaCO3/1000 t]	03-Oct-23	16:15	03-Oct-23	16:15	6.56	7.50
Net NP [t CaCO3/1000 t]	03-Oct-23	16:15	03-Oct-23	16:15	51.2	32.4
NP/AP [ratio]	03-Oct-23	16:15	03-Oct-23	16:15	8.81	5.32
S [%]	03-Oct-23	08:01	03-Oct-23	16:15	0.292	0.364
Acid Leachable SO4-S [%]	03-Oct-23	16:15	03-Oct-23	16:15	0.08	0.12

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19251-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000742-TIR01 C-10040MS01-Kwa-s	6: ARDG 000743-TIR01 C-10040MS01-Kwa-s
Sulphide [%]	03-Oct-23	13:55	03-Oct-23	16:15	0.21	0.24
C [%]	03-Oct-23	08:01	03-Oct-23	16:15	0.912	0.697
CO3 (HCl) as %CO3 [%]	04-Oct-23	11:36	20-Oct-23	17:21	3.84	2.74

ABA - Modified Sobek

*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

26-September-2023

Agnico Eagle Mines Limited
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, Nunavut
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Date Rec. : 23 August 2023
LR Report: **CA19252-AUG23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000742-TIR01C-10040MS01-Kwa-s	6: ARDG 000743-TIR01C-10040MS01-Kwa-s
Sample Date & Time					04-Aug-23	04-Aug-23
Ag [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	< 0.5	< 0.5
Al [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	84000	91000
As [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	190	62
Ba [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	960	870
Be [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	1.3	1.4
Bi [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	0.18	0.21
Ca [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	16000	14000
Cd [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	0.07	0.10
Co [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	19	22
Cr [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	210	210
Cu [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	41	51
Fe [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	33000	38000
K [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	20000	21000
Li [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	28	36
Mg [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	12000	13000
Mn [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	290	320
Mo [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	1.5	1.5
Ni [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	60	68
Pb [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	10	13
Sb [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	< 0.8	< 0.8
Se [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	0.4	0.4
Sn [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	< 6	< 6
Sr [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	390	370
Ti [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	2900	2100
Tl [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	0.50	0.53
U [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	1.8	2.1
V [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	88	100

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19252-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000742-TIR01C-10040MS01-Kwa-s	6: ARDG 000743-TIR01C-10040MS01-Kwa-s
Y [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	7.5	8.4
Zn [µg/g]	25-Sep-23	18:32	26-Sep-23	12:10	61	78

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rockk OP TIR01
Project : PO#1254179

13-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 23 August 2023
LR Report: **CA19254-AUG23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000744-TIR01 C-10050MS23 -Ksc-wa	6: ARDG 000745-TIR01 C-10050MS23 -Ksc-wa	7: ARDG 000746-TIR01 C-10050MS23 -Ksc-wa
Sample Date & Time					6-Aug-23	6-Aug-23	6-Aug-23
Paste pH [no unit]	15-Sep-23	09:27	18-Sep-23	15:20	9.24	9.31	8.86
Fizz Rate [rating]	15-Sep-23	09:27	18-Sep-23	15:20	3	3	2
Sample weight [g]	15-Sep-23	09:27	18-Sep-23	15:20	2.01	2.00	2.00
HCl_add [mL]	16-Sep-23	07:30	18-Sep-23	15:20	23.50	30.00	30.00
HCl [Normality]	15-Sep-23	09:27	18-Sep-23	15:20	0.10	0.10	0.10
NaOH [Normality]	15-Sep-23	09:27	18-Sep-23	15:20	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Sep-23	09:23	18-Sep-23	15:20	11.80	14.64	11.26
Final pH [no unit]	16-Sep-23	09:23	18-Sep-23	15:20	1.59	1.59	1.87
NP [t CaCO3/1000 t]	16-Sep-23	09:23	18-Sep-23	15:20	29.1	38.4	46.8
AP [t CaCO3/1000 t]	12-Oct-23	08:57	12-Oct-23	08:57	3.44	3.75	7.81
Net NP [t CaCO3/1000 t]	12-Oct-23	08:57	12-Oct-23	08:57	25.7	34.6	39.0
NP/AP [ratio]	12-Oct-23	08:57	12-Oct-23	08:57	8.47	10.2	5.99
S [%]	10-Oct-23	18:31	12-Oct-23	08:57	0.174	0.193	0.519
Acid Leachable SO4-S [%]	12-Oct-23	08:57	12-Oct-23	08:57	0.06	0.07	0.27
Sulphide [%]	11-Oct-23	18:42	12-Oct-23	08:57	0.11	0.12	0.25
C [%]	10-Oct-23	18:31	11-Oct-23	15:44	0.410	0.555	0.684
CO3 (HCl) as %CO3 [%]	11-Oct-23	13:04	11-Oct-23	15:44	1.78	2.37	3.07
	28-Aug-23	---	28-Aug-23	---	1	1	1

Analysis	8: ARDG 000747-TIR01 C-10050MS23 -Ksc-wa	9: ARDG 000748-TIR01 C-10050MS23 -Ksc-wa
Sample Date & Time	7-Aug-23	7-Aug-23
Paste pH [no unit]	9.29	9.30

OnLine LIMS

00034984O8

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mel
Works #: Waste Rockk OP TIR01
Project : PO#1254179
LR Report : **CA19254-AUG23**

Analysis	8: ARDG 000747-TIR01 C-10050MS23 -Ksc-wa	9: ARDG 000748-TIR01 C-10050MS23 -Ksc-wa
Fizz Rate [rating]	3	3
Sample weight [g]	2.02	2.00
HCl_add [mL]	30.00	30.00
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
Vol NaOH to pH=8.3 [mL]	13.51	11.15
Final pH [no unit]	1.86	1.90
NP [t CaCO3/1000 t]	40.8	47.1
AP [t CaCO3/1000 t]	1.56	3.44
Net NP [t CaCO3/1000 t]	39.2	43.7
NP/AP [ratio]	26.1	13.7
S [%]	0.123	0.220
Acid Leachable SO4-S [%]	0.07	0.11
Sulphide [%]	0.05	0.11
C [%]	0.477	0.699
CO3 (HCl) as %CO3 [%]	1.95	3.04
	1	1

ABA - Modified Sobek

*NP (Neutralization Potential)
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

                        Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003498408

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SGS Canada Inc.
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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

07-November-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 23 August 2023
LR Report: **CA19256-AUG23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000744-TIR01 C-10050MS23 -Ksc-wa	6: ARDG 000745-TIR01 C-10050MS23 -Ksc-wa	7: ARDG 000746-TIR01 C-10050MS23 -Ksc-wa
Sample Date & Time					06-Aug-23	06-Aug-23	06-Aug-23
Sample weight [g]	26-Oct-23	06:30	27-Oct-23	16:13	250	250	250
Volume D.I. Water [mL]	26-Oct-23	06:30	27-Oct-23	16:13	750	750	750
pH [no unit]	26-Oct-23	06:30	27-Oct-23	16:13	8.83	9.36	8.94
pH [No unit]	27-Oct-23	16:16	30-Oct-23	11:49	7.77	7.77	7.55
Conductivity [uS/cm]	27-Oct-23	16:16	30-Oct-23	11:49	266	226	355
Alkalinity [mg/L as CaCO3]	27-Oct-23	16:16	30-Oct-23	11:49	41	45	43
SO4 [mg/L]	27-Oct-23	15:53	27-Oct-23	16:49	37	30	84
Hg [mg/L]	01-Nov-23	15:05	02-Nov-23	10:25	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	0.575	0.636	0.422
As [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	0.182	0.176	0.0238
Ba [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	0.00325	0.00279	0.00714
B [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	0.014	0.011	0.010
Be [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	11.2	8.46	23.4
Cd [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	0.000004	0.000005	0.000003
Co [mg/L]	04-Nov-23	21:47	06-Nov-23	15:24	0.000075	0.000054	0.000063
Cr [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	< 0.00008	0.00013	< 0.00008
Cu [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.0003	0.0007	0.0002
Fe [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	< 0.007	< 0.007	0.024
K [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	14.3	15.9	19.8
Li [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.0009	0.0009	0.0022
Mg [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	2.63	2.06	8.37
Mn [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.00090	0.00108	0.00423
Mo [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.00403	0.00503	0.00830
Na [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	26.7	22.2	18.4

OnLine LIMS

0003524727

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19256-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000744-TIR01 C-10050MS23 -Ksc-wa	6: ARDG 000745-TIR01 C-10050MS23 -Ksc-wa	7: ARDG 000746-TIR01 C-10050MS23 -Ksc-wa
Ni [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.0002	0.0002	0.0002
Pb [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.0049	0.0051	0.0026
Se [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.00023	0.00030	0.00125
Si [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	1.78	1.90	1.76
Sn [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.0535	0.0400	0.115
Ti [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.00014	0.00015	0.00170
Tl [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.000005	< 0.000005	0.000013
U [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.000354	0.000454	0.000811
V [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	0.00302	0.00397	0.00096
Zn [mg/L]	04-Nov-23	21:47	06-Nov-23	15:29	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG 000747-TIR01 C-10050MS23 -Ksc-wa	9: ARDG 000748-TIR01 C-10050MS23 -Ksc-wa	10: ARDG 000748-TIR01 C-10050MS23 -Ksc-wa	11:BLK: $D.I. Leachate Blank
Sample Date & Time	07-Aug-23	07-Aug-23		
Sample weight [g]	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.44	9.38	9.40	5.72
pH [No unit]	7.81	7.71	7.78	6.05
Conductivity [uS/cm]	254	236	221	< 2
Alkalinity [mg/L as CaCO3]	42	42	41	< 2
SO4 [mg/L]	36	35	34	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.454	0.585	0.597	< 0.001
As [mg/L]	0.0066	0.164	0.163	< 0.0002
Ba [mg/L]	0.00508	0.00306	0.00333	0.00009
B [mg/L]	0.019	0.009	0.009	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	7.12	9.39	9.18	0.02
Cd [mg/L]	0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	0.000027	0.000032	0.000031	< 0.000004
Cr [mg/L]	< 0.00008	< 0.00008	0.00009	< 0.00008
Cu [mg/L]	0.0003	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	13.8	18.3	17.5	0.020
Li [mg/L]	0.0016	0.0010	0.0010	< 0.0001

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19256-AUG23**

Analysis	8: ARDG 000747-TIR01 C-10050MS23 -Ksc-wa	9: ARDG 000748-TIR01 C-10050MS23 -Ksc-wa	10: ARDG 000748-TIR01 C-10050MS23 -Ksc-wa	11:BLK: $D.I. Leachate Blank
Mg [mg/L]	1.73	2.55	2.40	0.004
Mn [mg/L]	0.00073	0.00081	0.00087	0.00008
Mo [mg/L]	0.00429	0.00405	0.00440	0.00068
Na [mg/L]	31.6	21.1	19.2	0.05
Ni [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0036	0.0051	0.0051	< 0.0009
Se [mg/L]	0.00069	0.00046	0.00044	< 0.00004
Si [mg/L]	2.18	1.82	1.83	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0261	0.0424	0.0398	< 0.00008
Ti [mg/L]	0.00044	0.00016	0.00022	< 0.00007
Tl [mg/L]	0.000021	0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000017	0.000186	0.000201	< 0.000002
V [mg/L]	0.00562	0.00359	0.00391	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Meliadine
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Phone: (819) 759-3555
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mel Works #: Waste Rockk OP TIR01
Project : PO#1254179

22-September-2023

Date Rec. : 23 August 2023
LR Report: **CA19255-AUG23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000744-TIR01 C-10050MS23-Ksc-wa	6: ARDG 000745-TIR01 C-10050MS23-Ksc-wa	7: ARDG 000746-TIR01 C-10050MS23-Ksc-wa	8: ARDG 000747-TIR01 C-10050MS23-Ksc-wa	9: ARDG 000748-TIR01 C-10050MS23-Ksc-wa
Sample Date & Time					06-Aug-23	06-Aug-23	06-Aug-23	07-Aug-23	07-Aug-23
Ag [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	47000	58000	56000	79000	60000
As [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	35	53	30	12	48
Ba [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	450	560	680	100	860
Be [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	1.1	1.2	1.1	0.61	1.3
Bi [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	0.15	0.17	0.25	< 0.09	0.39
Ca [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	11000	14000	13000	61000	14000
Cd [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	0.12	0.14	0.12	0.14	0.11
Co [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	19	19	21	43	24
Cr [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	71	91	110	110	120
Cu [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	45	49	55	91	59
Fe [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	30000	30000	34000	80000	40000
K [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	14000	15000	17000	3200	20000

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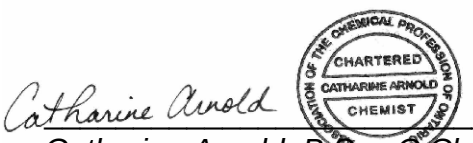
mel
Works #: Waste Rockk OP TIR01
Project : PO#1254179
LR Report : **CA19255-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000744-TIR01 C-10050MS23-Ksc-wa	6: ARDG 000745-TIR01 C-10050MS23-Ksc-wa	7: ARDG 000746-TIR01 C-10050MS23-Ksc-wa	8: ARDG 000747-TIR01 C-10050MS23-Ksc-wa	9: ARDG 000748-TIR01 C-10050MS23-Ksc-wa
Li [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	33	31	29	34	41
Mg [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	11000	11000	11000	31000	15000
Mn [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	270	340	310	1500	410
Mo [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	1.4	1.5	1.6	0.7	1.7
Ni [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	64	64	64	62	78
Pb [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	11	14	13	12	14
Sb [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	< 0.8	< 0.8	< 0.8	1.3	< 0.8
Se [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	0.2	0.2	0.3	0.4	0.3
Sn [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	200	270	270	330	270
Ti [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	870	1000	2700	5800	3100
Tl [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	0.38	0.38	0.40	0.22	0.48
U [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	0.79	0.74	1.3	0.26	1.7
V [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	75	71	74	250	110
Y [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	3.7	3.5	4.2	20	6.3
Zn [µg/g]	16-Sep-23	10:17	19-Sep-23	10:29	77	77	83	94	90

Revised report with Sample dates updated.



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rockk OP TIR01
Project : PO#1254179
LR Report : **CA19255-AUG23**

OnLine LIMS

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mel
Works #: Waste Rock OP TIRO1
Project : PO#1254179

16-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
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Date Rec. : 15 September 2023
LR Report: **CA19089-SEP23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000710 -TIR01C-1005 0MS11-Mv	6: ARDG-000711 -TIR01C-1005 0MS11-Mv	7: ARDG-000712 -TIR01C-1005 0MS11-Mv
Sample Date & Time					19-Aug-23	19-Aug-23	19-Aug-23
Paste pH [no unit]	27-Sep-23	07:40	28-Sep-23	16:38	8.44	8.71	8.54
Fizz Rate [rating]	27-Sep-23	07:40	28-Sep-23	16:38	3	4	4
Sample weight [g]	27-Sep-23	07:40	28-Sep-23	16:38	2.01	2.02	2.02
HCl_add [mL]	28-Sep-23	06:50	28-Sep-23	16:38	106.60	67.10	155.50
HCl [Normality]	27-Sep-23	09:33	28-Sep-23	16:38	0.10	0.10	0.10
NaOH [Normality]	27-Sep-23	09:33	28-Sep-23	16:38	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28-Sep-23	12:50	28-Sep-23	16:38	26.23	18.12	42.13
Final pH [no unit]	28-Sep-23	07:59	28-Sep-23	16:38	1.68	1.74	1.64
NP [t CaCO3/1000 t]	28-Sep-23	12:54	28-Sep-23	16:38	200	121	281
AP [t CaCO3/1000 t]	12-Oct-23	12:42	12-Oct-23	12:42	4.06	3.44	4.38
Net NP [t CaCO3/1000 t]	12-Oct-23	12:42	12-Oct-23	12:42	196	118	276
NP/AP [ratio]	12-Oct-23	12:42	12-Oct-23	12:42	49.2	35.3	64.1
S [%]	12-Oct-23	10:01	12-Oct-23	12:42	0.155	0.144	0.179
Acid Leachable SO4-S [%]	12-Oct-23	12:42	12-Oct-23	12:42	< 0.04	< 0.04	< 0.04
Sulphide [%]	12-Oct-23	12:31	12-Oct-23	12:42	0.13	0.11	0.14
C [%]	12-Oct-23	10:01	12-Oct-23	12:42	2.44	1.45	3.71
CO3 (HCl) as %CO3 [%]	13-Oct-23	09:29	13-Oct-23	16:11	11.9	6.84	18.2

Analysis	8: ARDG-000713 -TIR01C-1005 0MS11-Mv	9: ARDG-000714 -TIR01C-1005 0MS11-Mv	10: ARDG-000715 -TIR01C-1005 0MS11-Mv	11: ARDG-000716 -TIR01C-1005 0MS11-Mv	12: ARDG-000717 -TIR01C-1005 0MS11-Mv	13: ARDG-000749 -TIR01C-1005 0MS13-Mv	14: ARDG-000750 -TIR01C-1005 0MS13-Mv
Sample Date & Time	19-Aug-23	19-Aug-23	19-Aug-23	19-Aug-23	19-Aug-23	11-Aug-23	11-Aug-23
Paste pH [no unit]	8.52	8.60	8.80	8.66	8.58	8.12	8.07
Fizz Rate [rating]	4	4	4	4	4	4	4
Sample weight [g]	2.02	2.01	2.00	2.01	2.01	1.99	1.99
HCl_add [mL]	145.00	136.00	75.80	104.40	108.20	135.50	106.90

OnLine LIMS

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mel
Works #: Waste Rock OP TIRO1
Project : PO#1254179
LR Report : **CA19089-SEP23**

Analysis	8: ARDG-000713 -TIR01C-1005 0MS11-Mv	9: ARDG-000714 -TIR01C-1005 0MS11-Mv	10: ARDG-000715 -TIR01C-1005 0MS11-Mv	11: ARDG-000716 -TIR01C-1005 0MS11-Mv	12: ARDG-000717 -TIR01C-1005 0MS11-Mv	13: ARDG-000749 -TIR01C-1005 0MS13-Mv	14: ARDG-000750 -TIR01C-1005 0MS13-Mv
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	31.79	42.72	19.72	28.38	75.55	36.68	51.14
Final pH [no unit]	1.80	1.52	1.67	1.59	1.57	1.61	1.67
NP [t CaCO3/1000 t]	280	232	140	189	81.2	248	140
AP [t CaCO3/1000 t]	3.44	2.19	2.81	1.56	3.75	5.00	5.31
Net NP [t CaCO3/1000 t]	277	230	137	188	77.4	243	135
NP/AP [ratio]	81.5	106	49.8	121	21.7	49.7	26.4
S [%]	0.203	0.112	0.094	0.065	0.153	0.178	0.210
Acid Leachable SO4-S [%]	0.09	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.11	0.07	0.09	0.05	0.12	0.16	0.17
C [%]	3.67	3.05	1.69	2.34	2.82	3.17	3.10
CO3 (HCl) as %CO3 [%]	18.0	14.8	8.04	11.3	13.7	15.3	14.9

Analysis	15: ARDG-000751 -TIR01C-1005 0MS13-UO	16: ARDG-000752 -TIR01C-1005 0MS13-UO	17: ARDG-000753 -TIR01C-1005 0MS13-UO	18: ARDG-000754 -TIR01C-1005 0MS13-UO	19: ARDG-000755 -TIR01C-1005 0MS13-MV	20: ARDG-000756 -TIR01C-1005 0MS13-SAM	21: ARDG-000757 -TIR01C-1005 0MS13-SAM
Sample Date & Time	11-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	14-Aug-23	14-Aug-23
Paste pH [no unit]	8.24	8.41	8.31	8.54	8.18	9.01	8.64
Fizz Rate [rating]	3	3	3	3	4	2	3
Sample weight [g]	2.00	2.00	1.98	2.01	1.99	2.00	2.00
HCl_add [mL]	38.60	41.50	29.30	47.30	157.80	28.60	37.30
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12.18	17.66	9.92	18.41	111	12.01	16.31
Final pH [no unit]	1.83	1.58	1.84	1.63	1.62	1.76	1.57
NP [t CaCO3/1000 t]	66.0	59.6	48.9	71.9	117	41.5	52.5
AP [t CaCO3/1000 t]	3.75	1.25	1.88	2.50	16.2	5.31	5.62
Net NP [t CaCO3/1000 t]	62.2	58.4	47.0	69.4	101	36.2	46.9
NP/AP [ratio]	17.6	47.7	26.1	28.8	7.22	7.81	9.33
S [%]	0.175	0.073	0.063	0.062	0.650	0.239	0.264
Acid Leachable SO4-S [%]	0.06	< 0.04	< 0.04	< 0.04	0.13	0.07	0.08
Sulphide [%]	0.12	0.04	0.06	0.08	0.52	0.17	0.18
C [%]	1.11	0.886	0.696	0.989	3.86	0.727	0.769
CO3 (HCl) as %CO3 [%]	4.53	3.56	3.01	4.54	18.5	2.85	3.20

Analysis	22: ARDG-000758 -TIR01C-1005 0MS13-SAM	23: ARDG-000759 -TIR01C-1005 0MS13-SAM	24: ARDG-000760 -TIR01C-1005 0MS13-SAM
Sample Date & Time	14-Aug-23	14-Aug-23	14-Aug-23

OnLine LIMS

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mel
Works #: Waste Rock OP TIRO1
Project : PO#1254179
LR Report : **CA19089-SEP23**

Analysis	22: ARDG-000758 -TIR01C-1005 0MS13-SAM	23: ARDG-000759 -TIR01C-1005 0MS13-SAM	24: ARDG-000760 -TIR01C-1005 0MS13-SAM
Paste pH [no unit]	8.71	8.83	8.90
Fizz Rate [rating]	3	3	2
Sample weight [g]	1.98	1.99	2.00
HCl_add [mL]	28.60	29.80	36.10
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	13.62	11.75	17.70
Final pH [no unit]	1.75	1.67	1.57
NP [t CaCO3/1000 t]	37.8	45.4	46.0
AP [t CaCO3/1000 t]	2.50	6.25	4.38
Net NP [t CaCO3/1000 t]	35.3	39.2	41.6
NP/AP [ratio]	15.1	7.26	10.5
S [%]	0.100	0.245	0.206
Acid Leachable SO4-S [%]	< 0.04	0.04	0.07
Sulphide [%]	0.08	0.20	0.14
C [%]	0.653	0.686	0.723
CO3 (HCl) as %CO3 [%]	2.57	2.80	3.00

ABA - Modified Sobek

*NP (Neutralization Potential)
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

                        Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: PO#1254179
Project : PO#1254179

23-November-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 15 September 2023
LR Report: **CA19091-SEP23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000710 -TIR01C-1005 0MS11-Mv	6: ARDG-000711 -TIR01C-1005 0MS11-Mv	7: ARDG-000712 -TIR01C-1005 0MS11-Mv
Sample Date & Time					19-Aug-23	19-Aug-23	19-Aug-23
Sample weight [g]	09-Nov-23	09-Nov-23	09-Nov-23	16:41	250	250	250
Volume D.I. Water [mL]	09-Nov-23	09-Nov-23	09-Nov-23	16:41	750	750	750
pH [no unit]	09-Nov-23	09-Nov-23	09-Nov-23	16:41	8.49	8.89	8.92
pH [No unit]	09-Nov-23	14:19	13-Nov-23	11:23	7.64	7.63	7.82
Conductivity [uS/cm]	09-Nov-23	14:19	15-Nov-23	10:38	473	337	213
Alkalinity [mg/L as CaCO3]	09-Nov-23	14:19	15-Nov-23	10:38	38	36	50
SO4 [mg/L]	09-Nov-23	08:20	09-Nov-23	13:08	36	34	23
Hg [mg/L]	13-Nov-23	13:23	15-Nov-23	15:15	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.371	0.399	0.334
As [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.0102	0.0058	0.0020
Ba [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.0245	0.0646	0.0125
B [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.012	0.022	0.009
Be [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	20.6	16.6	12.6
Cd [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.000004	< 0.000003	< 0.000003
Co [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.000110	0.000014	0.000004
Cr [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.00008	< 0.00008	0.00008
Cu [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.0003	0.0002	< 0.0002
Fe [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.007	< 0.007	< 0.007
K [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	6.20	5.24	5.61
Li [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.0009	0.0009	0.0013
Mg [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	5.08	4.08	5.72
Mn [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.00346	0.00177	0.00239
Mo [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.00176	0.00301	0.00289
Na [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	59.6	39.4	17.4
Ni [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.0001	< 0.0001	< 0.0001

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mel
Works #: PO#1254179
Project : PO#1254179
LR Report : **CA19091-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000710 -TIR01C-1005 0MS11-Mv	6: ARDG-000711 -TIR01C-1005 0MS11-Mv	7: ARDG-000712 -TIR01C-1005 0MS11-Mv
Pb [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.0015	0.0027	< 0.0009
Se [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.00059	0.00111	0.00046
Si [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	1.33	1.90	1.47
Sn [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.163	0.134	0.0604
Ti [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.00007	0.00009	< 0.00007
Tl [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.000018	0.000024	0.000005
U [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.000036	0.000016	0.000016
V [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	0.00111	0.00170	0.00078
Zn [mg/L]	11-Nov-23	14:38	22-Nov-23	16:49	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000713 -TIR01C-1005 0MS11-Mv	9: ARDG-000714 -TIR01C-1005 0MS11-Mv	10: ARDG-000715 -TIR01C-1005 0MS11-Mv	11: ARDG-000716 -TIR01C-1005 0MS11-Mv	12: ARDG-000717 -TIR01C-1005 0MS11-Mv	13: ARDG-000749 -TIR01C-1005 0MS13-Mv	14: ARDG-000750 -TIR01C-1005 0MS13-Mv
Sample Date & Time	19-Aug-23	19-Aug-23	19-Aug-23	19-Aug-23	19-Aug-23	11-Aug-23	11-Aug-23
Sample weight [g]	250	250	251	251	250	249	252
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	8.89	9.00	9.15	9.07	9.00	8.55	8.51
pH [No unit]	8.02	7.86	7.83	7.73	7.76	7.74	7.79
Conductivity [uS/cm]	241	221	163	205	257	1550	1620
Alkalinity [mg/L as CaCO3]	55	53	39	38	39	49	54
SO4 [mg/L]	33	20	9	8	25	86	92
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.316	0.441	0.396	0.451	0.543	0.275	0.274
As [mg/L]	0.0025	0.0023	0.0030	0.0017	0.0531	0.0564	0.0423
Ba [mg/L]	0.0125	0.00279	0.00464	0.0279	0.00994	0.0115	0.0113
B [mg/L]	0.009	0.011	0.013	0.010	0.013	0.021	0.028
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	14.1	10.8	9.82	11.0	13.3	40.5	42.7
Cd [mg/L]	0.000009	< 0.000003	< 0.000003	0.000003	< 0.000003	0.000004	0.000003
Co [mg/L]	0.000006	0.000007	< 0.000004	0.000012	0.000023	0.000452	0.000484
Cr [mg/L]	< 0.00008	< 0.00008	0.00013	0.00011	0.00010	0.00014	0.00015
Cu [mg/L]	0.0003	0.0003	< 0.0002	0.0002	< 0.0002	0.0003	0.0005
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	7.26	5.53	1.58	3.62	6.79	11.1	12.4
Li [mg/L]	0.0015	0.0013	0.0006	0.0008	0.0008	0.0033	0.0037
Mg [mg/L]	7.38	4.43	2.12	2.36	2.83	21.7	23.6
Mn [mg/L]	0.00324	0.00215	0.00080	0.00124	0.00163	0.00723	0.00847
Mo [mg/L]	0.00294	0.00245	0.00202	0.00172	0.00192	0.00518	0.00475

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Works #: PO#1254179
Project : PO#1254179
LR Report : **CA19091-SEP23**

Analysis	8: ARDG-000713 -TIR01C-1005 0MS11-Mv	9: ARDG-000714 -TIR01C-1005 0MS11-Mv	10: ARDG-000715 -TIR01C-1005 0MS11-Mv	11: ARDG-000716 -TIR01C-1005 0MS11-Mv	12: ARDG-000717 -TIR01C-1005 0MS11-Mv	13: ARDG-000749 -TIR01C-1005 0MS13-Mv	14: ARDG-000750 -TIR01C-1005 0MS13-Mv
Na [mg/L]	18.8	24.5	17.9	23.8	29.5	229	241
Ni [mg/L]	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0004	0.0004
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00028	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	< 0.0009	0.0025	< 0.0009	0.0038	0.0015	0.0015
Se [mg/L]	0.00061	0.00044	0.00022	0.00037	0.00115	0.00090	0.00088
Si [mg/L]	1.62	1.56	1.72	1.34	1.48	1.71	1.74
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0638	0.0194	0.0290	0.0549	0.0598	0.128	0.145
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007	0.00009	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000007	< 0.000005	< 0.000005	< 0.000005	0.000013	0.000015	0.000017
U [mg/L]	0.000019	0.000013	0.000010	0.000009	0.000019	0.000054	0.000061
V [mg/L]	0.00086	0.00126	0.00185	0.00129	0.00200	0.00129	0.00121
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	15: ARDG-000751 -TIR01C-1005 0MS13-UO	16: ARDG-000752 -TIR01C-1005 0MS13-UO	17: ARDG-000753 -TIR01C-1005 0MS13-UO	18: ARDG-000754 -TIR01C-1005 0MS13-UO	19: ARDG-000755 -TIR01C-1005 0MS13-MV	20: ARDG-000756 -TIR01C-1005 0MS13-SAM	21: ARDG-000757 -TIR01C-1005 0MS13-SAM
Sample Date & Time	11-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	14-Aug-23	14-Aug-23
Sample weight [g]	249	250	249	252	250	252	248
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	8.62	8.71	8.81	8.95	8.47	9.21	8.89
pH [No unit]	7.78	7.83	7.70	7.78	7.90	8.01	7.77
Conductivity [uS/cm]	973	1380	1130	242	808	224	399
Alkalinity [mg/L as CaCO3]	48	44	44	41	68	52	44
SO4 [mg/L]	70	76	59	28	120	25	82
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.410	0.424	0.409	0.901	0.335	0.715	0.487
As [mg/L]	0.0121	0.0156	0.0091	0.0026	0.107	0.185	0.0086
Ba [mg/L]	0.0140	0.0186	0.0127	0.00401	0.00409	0.00251	0.00686
B [mg/L]	0.054	0.055	0.026	0.092	0.016	0.018	0.019
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	32.9	32.1	27.0	16.9	36.9	9.60	21.9
Cd [mg/L]	0.000028	0.000021	0.000020	0.000034	0.000003	0.000008	0.000007
Co [mg/L]	0.000031	0.000043	0.000039	0.000010	0.000425	0.000060	0.000044
Cr [mg/L]	0.00010	0.00013	0.00013	0.00008	< 0.00008	0.00009	0.00010
Cu [mg/L]	0.0002	0.0003	0.0006	0.0002	0.0004	0.0003	0.0003
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	22.4	33.2	25.7	8.99	15.2	18.3	23.7
Li [mg/L]	0.0029	0.0055	0.0038	0.0012	0.0052	0.0013	0.0025
Mg [mg/L]	10.8	13.4	12.3	1.70	18.5	3.11	6.39

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0003542332

SGS Canada Inc.
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mel
Works #: PO#1254179
Project : PO#1254179
LR Report : **CA19091-SEP23**

Analysis	15: ARDG-000751 -TIR01C-1005 0MS13-UO	16: ARDG-000752 -TIR01C-1005 0MS13-UO	17: ARDG-000753 -TIR01C-1005 0MS13-UO	18: ARDG-000754 -TIR01C-1005 0MS13-UO	19: ARDG-000755 -TIR01C-1005 0MS13-MV	20: ARDG-000756 -TIR01C-1005 0MS13-SAM	21: ARDG-000757 -TIR01C-1005 0MS13-SAM
Mn [mg/L]	0.00386	0.00278	0.00250	0.00133	0.0180	0.00136	0.00269
Mo [mg/L]	0.0539	0.0478	0.00878	0.0795	0.00606	0.0188	0.0159
Na [mg/L]	127	194	157	24.8	84.3	19.7	29.6
Ni [mg/L]	0.0002	0.0002	0.0002	< 0.0001	0.0012	0.0002	0.0003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0014	0.0027	0.0029	0.0010	0.0051	0.0089	0.0066
Se [mg/L]	0.00014	0.00016	0.00027	0.00011	0.00076	0.00041	0.00063
Si [mg/L]	1.55	1.98	2.20	1.36	1.66	2.16	1.94
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.426	0.355	0.284	0.208	0.0748	0.0377	0.123
Ti [mg/L]	< 0.00007	0.00009	0.00007	0.00007	0.00008	0.00035	0.00013
Tl [mg/L]	0.000008	0.000024	0.000015	0.000005	0.000008	0.000005	0.000016
U [mg/L]	0.000434	0.000602	0.000554	0.000187	0.000569	0.000850	0.000763
V [mg/L]	0.00021	0.00042	0.00048	0.00023	0.00105	0.00332	0.00109
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	22: ARDG-000758 -TIR01C-1005 0MS13-SAM	23: ARDG-000759 -TIR01C-1005 0MS13-SAM	24: ARDG-000760 -TIR01C-1005 0MS13-SAM	25:BLK: $D.I. Leachate Blank	26: ARDG-000757 -TIR01C-1005 0MS13-SAM
Sample Date & Time	14-Aug-23	14-Aug-23	14-Aug-23		
Sample weight [g]	249	252	251	---	251
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.02	8.97	0.18	5.71	9.18
pH [No unit]	7.89	7.73	7.92	7.14	7.72
Conductivity [uS/cm]	281	290	265	23	402
Alkalinity [mg/L as CaCO3]	53	42	57	8	41
SO4 [mg/L]	30	61	22	< 2	84
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.707	0.611	0.692	< 0.001	0.487
As [mg/L]	0.161	0.0073	0.274	< 0.0002	0.0087
Ba [mg/L]	0.00616	0.00946	0.00329	0.00013	0.00779
B [mg/L]	0.024	0.018	0.022	< 0.002	0.020
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	13.1	16.8	9.90	0.04	22.2
Cd [mg/L]	0.000005	0.000005	0.000011	0.000003	0.000011
Co [mg/L]	0.000061	0.000022	0.000071	< 0.000004	0.000055
Cr [mg/L]	< 0.00008	0.00010	0.00011	< 0.00008	0.00011
Cu [mg/L]	0.0002	0.0003	0.0004	< 0.0002	0.0004
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	25.4	22.0	23.7	1.80	24.5

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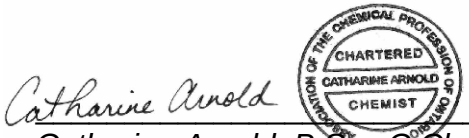
mel
Works #: PO#1254179
Project : PO#1254179
LR Report : **CA19091-SEP23**

Analysis	22: ARDG-000758 -TIR01C-1005 0MS13-SAM	23: ARDG-000759 -TIR01C-1005 0MS13-SAM	24: ARDG-000760 -TIR01C-1005 0MS13-SAM	25:BLK: $D.I. Leachate Blank	26: ARDG-000757 -TIR01C-1005 0MS13-SAM
Li [mg/L]	0.0013	0.0021	0.0014	< 0.0001	0.0028
Mg [mg/L]	3.47	4.31	3.21	0.005	6.71
Mn [mg/L]	0.00100	0.00176	0.00125	0.00024	0.00301
Mo [mg/L]	0.0139	0.0156	0.0204	0.00016	0.0151
Na [mg/L]	23.6	19.7	24.3	0.04	30.4
Ni [mg/L]	0.0003	0.0001	0.0004	< 0.0001	0.0005
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0039	0.0077	0.0068	< 0.0009	0.0069
Se [mg/L]	0.00026	0.00044	0.00041	< 0.00004	0.00057
Si [mg/L]	1.82	1.98	2.21	< 0.02	1.98
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0832	0.0994	0.0449	0.00015	0.126
Ti [mg/L]	0.00020	0.00013	0.00036	< 0.00007	0.00014
Tl [mg/L]	0.000017	0.000015	0.000007	< 0.000005	0.000017
U [mg/L]	0.000232	0.000473	0.000471	< 0.000002	0.000746
V [mg/L]	0.00137	0.00140	0.00314	0.00002	0.00111
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIRO1
Project : PO#1254179

18-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 15 September 2023
LR Report: **CA19090-SEP23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000710 -TIR01C-1005 0MS11-Mv	6: ARDG-000711 -TIR01C-1005 0MS11-Mv	7: ARDG-000712 -TIR01C-1005 0MS11-Mv
Sample Date & Time					19-Aug-23	19-Aug-23	19-Aug-23
Ag [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	67000	68000	63000
As [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	27	21	9.1
Ba [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	800	1000	600
Be [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	0.62	0.61	0.55
Bi [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	< 0.09	< 0.09	< 0.09
Ca [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	69000	73000	76000
Cd [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	0.10	0.10	0.11
Co [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	42	47	39
Cr [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	180	200	220
Cu [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	92	110	91
Fe [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	65000	75000	60000
K [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	5600	1700	5600
Li [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	51	36	50
Mg [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	24000	30000	29000
Mn [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	1500	1600	1800
Mo [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	0.3	0.4	0.3
Ni [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	115	126	108
Pb [µg/g]	03-Oct-23	19:59	18-Oct-23	12:31	8	18	9
Sb [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	< 0.8	1.2	< 0.8
Se [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	0.4	0.4	0.3
Sn [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	< 6	< 6	< 6
Sr [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	240	430	200
Ti [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	3500	4400	1100
Tl [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	0.24	0.12	0.25
U [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	0.26	0.22	0.11
V [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	210	230	190
Y [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	9.5	15	6.5

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIRO1
Project : PO#1254179
LR Report : **CA19090-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000710 -TIR01C-1005 0MS11-Mv	6: ARDG-000711 -TIR01C-1005 0MS11-Mv	7: ARDG-000712 -TIR01C-1005 0MS11-Mv
Zn [µg/g]	12-Oct-23	21:17	18-Oct-23	12:21	76	83	120

Analysis	8: ARDG-000713 -TIR01C-1005 0MS11-Mv	9: ARDG-000714 -TIR01C-1005 0MS11-Mv	10: ARDG-000715 -TIR01C-1005 0MS11-Mv	11: ARDG-000716 -TIR01C-1005 0MS11-Mv	12: ARDG-000717 -TIR01C-1005 0MS11-Mv	13: ARDG-000749 -TIR01C-1005 0MS13-Mv	14: ARDG-000750 -TIR01C-1005 0MS13-Mv
Sample Date & Time	19-Aug-23	19-Aug-23	19-Aug-23	19-Aug-23	19-Aug-23	11-Aug-23	11-Aug-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	64000	69000	73000	64000	63000	65000	61000
As [µg/g]	10	7.1	13	5.4	52	71	58
Ba [µg/g]	560	120	12	210	560	72	68
Be [µg/g]	0.56	0.35	0.21	0.29	0.40	0.40	0.39
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	77000	77000	69000	65000	79000	80000	70000
Cd [µg/g]	0.12	0.10	0.13	0.09	0.11	0.14	0.16
Co [µg/g]	41	47	48	42	43	39	39
Cr [µg/g]	220	170	260	160	190	220	220
Cu [µg/g]	100	110	110	93	110	81	90
Fe [µg/g]	61000	65000	73000	70000	66000	59000	60000
K [µg/g]	5500	3600	250	1900	5200	3800	3700
Li [µg/g]	50	64	53	77	49	73	70
Mg [µg/g]	30000	27000	40000	34000	23000	19000	18000
Mn [µg/g]	1800	1800	1400	1300	1600	1500	1400
Mo [µg/g]	0.4	0.3	0.3	0.3	0.4	0.5	0.5
Ni [µg/g]	109	115	125	100	116	94	95
Pb [µg/g]	8	3	5	5	6	5	5
Sb [µg/g]	< 0.8	< 0.8	1.3	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.3	0.3	0.4	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	190	96	140	130	160	140	130
Ti [µg/g]	1300	580	3700	770	3300	1400	1700
Tl [µg/g]	0.24	0.13	< 0.02	0.08	0.23	0.19	0.17
U [µg/g]	0.11	0.082	0.066	0.080	0.20	0.080	0.072
V [µg/g]	190	210	220	210	210	200	200
Y [µg/g]	6.5	7.6	13	11	10	6.7	6.7
Zn [µg/g]	66	70	72	70	74	68	70

Analysis	15: ARDG-000751 -TIR01C-1005 0MS13-UO	16: ARDG-000752 -TIR01C-1005 0MS13-UO	17: ARDG-000753 -TIR01C-1005 0MS13-UO	18: ARDG-000754 -TIR01C-1005 0MS13-UO	19: ARDG-000755 -TIR01C-1005 0MS13-MV	20: ARDG-000756 -TIR01C-1005 0MS13-SAM	21: ARDG-000757 -TIR01C-1005 0MS13-SAM
Sample Date & Time	11-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	14-Aug-23	14-Aug-23

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mel
Works #: Waste Rock OP TIRO1
Project : PO#1254179
LR Report : **CA19090-SEP23**

Analysis	15: ARDG-000751 -TIR01C-1005 0MS13-UO	16: ARDG-000752 -TIR01C-1005 0MS13-UO	17: ARDG-000753 -TIR01C-1005 0MS13-UO	18: ARDG-000754 -TIR01C-1005 0MS13-UO	19: ARDG-000755 -TIR01C-1005 0MS13-MV	20: ARDG-000756 -TIR01C-1005 0MS13-SAM	21: ARDG-000757 -TIR01C-1005 0MS13-SAM
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	67000	72000	76000	59000	67000	74000	80000
As [µg/g]	35	29	34	7.4	2600	41	30
Ba [µg/g]	410	420	440	250	320	530	610
Be [µg/g]	0.93	1.0	1.1	0.94	0.80	1.1	1.1
Bi [µg/g]	0.12	0.10	0.15	0.10	0.09	0.21	0.16
Ca [µg/g]	24000	20000	17000	24000	75000	9400	16000
Cd [µg/g]	0.08	0.07	0.09	0.08	0.22	0.11	0.08
Co [µg/g]	9.1	6.1	5.5	5.6	41	19	17
Cr [µg/g]	99	98	80	77	210	210	200
Cu [µg/g]	30	19	26	22	95	45	48
Fe [µg/g]	72000	45000	46000	83000	64000	34000	36000
K [µg/g]	13000	15000	14000	6800	11000	16000	18000
Li [µg/g]	30	27	28	32	41	24	34
Mg [µg/g]	6200	5000	6000	6200	16000	10000	10000
Mn [µg/g]	260	220	190	260	1800	300	250
Mo [µg/g]	1.8	1.3	1.5	1.4	0.9	1.4	2.4
Ni [µg/g]	13	12	9.6	12	90	57	59
Pb [µg/g]	7	7	8	6	15	8	8
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.1	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	410	440	430	430	170	250	310
Ti [µg/g]	1600	1800	1600	1500	4000	2900	3100
Tl [µg/g]	0.21	0.28	0.26	0.11	0.56	0.38	0.42
U [µg/g]	0.79	0.74	0.83	0.75	0.19	1.80	1.75
V [µg/g]	30	30	28	28	230	83	89
Y [µg/g]	4.7	4.3	4.1	4.9	7.5	6.6	7.7
Zn [µg/g]	49	42	46	43	70	66	53

Analysis	22: ARDG-000758 -TIR01C-1005 0MS13-SAM	23: ARDG-000759 -TIR01C-1005 0MS13-SAM	24: ARDG-000760 -TIR01C-1005 0MS13-SAM
Sample Date & Time	14-Aug-23	14-Aug-23	14-Aug-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	72000	80000	81000
As [µg/g]	140	11	53
Ba [µg/g]	710	660	670
Be [µg/g]	1.4	1.2	1.3
Bi [µg/g]	0.19	0.21	0.22
Ca [µg/g]	9300	14000	11000
Cd [µg/g]	0.09	0.10	0.10

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Works #: Waste Rock OP TIRO1
Project : PO#1254179
LR Report : **CA19090-SEP23**

Analysis	22: ARDG-000758 -TIR01C-1005 0MS13-SAM	23: ARDG-000759 -TIR01C-1005 0MS13-SAM	24: ARDG-000760 -TIR01C-1005 0MS13-SAM
Co [µg/g]	19	17	19
Cr [µg/g]	200	200	200
Cu [µg/g]	27	50	40
Fe [µg/g]	60000	35000	42000
K [µg/g]	19000	19000	20000
Li [µg/g]	33	37	31
Mg [µg/g]	11000	10000	12000
Mn [µg/g]	280	230	360
Mo [µg/g]	1.5	1.3	1.4
Ni [µg/g]	62	58	60
Pb [µg/g]	43	11	14
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.1	0.2	0.1
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	210	300	270
Ti [µg/g]	3300	3100	3100
Tl [µg/g]	0.49	0.47	0.47
U [µg/g]	1.65	1.84	1.69
V [µg/g]	92	89	92
Y [µg/g]	7.3	7.2	7.1
Zn [µg/g]	73	52	74

Catharine Arnold

CHARTERED CHEMICAL PROFESSION OF ONTARIO CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

20-November-2023

Date Rec. : 20 September 2023
LR Report: **CA19200-SEP23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000761 -TIR01C-1005 0MS15-SAM	6: ARDG-000762 -TIR01C-1005 0MS15-SAM	7: ARDG-000763 -TIR01C-1005 0MS15-SAM	8: ARDG-000764 -TIR01C-1005 0MS15-SAM	9: ARDG-000765 -TIR01C-1005 0MS15-SAM	10: ARDG-000766 -TIR01C-1005 0MS15-SAM
Sample Date & Time						30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23
Sample weight [g]	09-Nov-23	08:28	10-Nov-23	16:24	250	250	250	251	249	250
Volume D.I. Water [mL]	09-Nov-23	08:28	10-Nov-23	16:24	750	750	750	750	750	750
pH [no unit]	10-Nov-23	08:28	10-Nov-23	16:24	9.32	9.18	9.26	9.25	9.26	9.24
pH [No unit]	10-Nov-23	14:05	14-Nov-23	12:32	9.12	8.97	8.71	8.76	8.86	9.14
Conductivity [uS/cm]	10-Nov-23	14:05	14-Nov-23	12:32	226	258	212	211	213	271
Alkalinity [mg/L as CaCO3]	10-Nov-23	14:05	15-Nov-23	10:49	61	71	58	56	62	66
SO4 [mg/L]	17-Nov-23	10:43	17-Nov-23	11:28	40	43	38	39	19	39
Hg [mg/L]	13-Nov-23	16:52	20-Nov-23	12:20	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	1.19	0.900	1.11	2.48	0.991	0.534
As [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.173	0.193	0.100	0.113	0.0897	0.0987
Ba [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.0130	0.00794	0.00816	0.0239	0.00726	0.00653
B [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.041	0.048	0.040	0.072	0.046	0.049
Be [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.000019	0.000011	0.000023	0.000068	0.000015	< 0.000007
Bi [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.00005	0.00002	0.00004	0.00018	< 0.00001	< 0.00001

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19200-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000761 -TIR01C-1005 0MS15-SAM	6: ARDG-000762 -TIR01C-1005 0MS15-SAM	7: ARDG-000763 -TIR01C-1005 0MS15-SAM	8: ARDG-000764 -TIR01C-1005 0MS15-SAM	9: ARDG-000765 -TIR01C-1005 0MS15-SAM	10: ARDG-000766 -TIR01C-1005 0MS15-SAM
Ca [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	9.17	9.55	10.1	11.0	8.77	10.5
Cd [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.000006	0.000005	0.000004	0.000017	0.000003	0.000003
Co [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.00163	0.000596	0.000723	0.00494	0.000576	0.000153
Cr [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.00257	0.00217	0.00186	0.00568	0.00191	0.00095
Cu [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.0008	0.0003	0.0006	0.0026	0.0004	0.0004
Fe [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.667	0.330	0.433	2.26	0.405	0.075
K [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	16.3	21.6	18.3	18.5	19.3	18.5
Li [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.0026	0.0021	0.0022	0.0035	0.0018	0.0021
Mg [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	2.25	2.93	2.58	3.03	1.90	2.95
Mn [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.0108	0.00302	0.00478	0.0280	0.00404	0.00076
Mo [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.00826	0.00730	0.00752	0.00640	0.00812	0.00928
Na [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	33.0	39.3	27.2	29.0	31.1	33.0
Ni [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.0024	0.0014	0.0015	0.0093	0.0016	0.0004
Pb [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.00150	0.00044	0.00108	0.00660	0.00057	0.00062
Sb [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.0049	0.0060	0.0052	0.0045	0.0057	0.0049
Se [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.00076	0.00057	0.00060	0.00057	0.00026	0.00085
Si [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	3.96	3.08	3.83	5.85	2.92	2.69
Sn [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.0392	0.0366	0.0392	0.0467	0.0303	0.0462
Ti [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.00804	0.0121	0.0130	0.00991	0.0119	0.00292
Tl [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.000006	0.000007	0.000007	0.000013	0.000006	< 0.000005
U [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.000577	0.000414	0.000310	0.000563	0.000253	0.000416
V [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.00506	0.00413	0.00370	0.00528	0.00357	0.00272
Zn [mg/L]	13-Nov-23	19:39	20-Nov-23	12:20	0.002	< 0.002	< 0.002	0.006	< 0.002	< 0.002

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19200-SEP23**

Analysis	11: ARDG-000767 -TIR01C-1005 0MS15-SAM	12: ARDG-000768 -TIR01C-1005 0MS15-SAM	13: ARDG-000769 -TIR01C-1005 0MS15-SAM	14: ARDG-000770 -TIR01C-1005 0MS15-SAM	15: ARDG-000771 -TIR01C-1005 0MS15-SAM	16: ARDG-000761 -TIR01C-1005 0MS15-SAM	17:BLK: $D.I. Leachate Blank
Sample Date & Time	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23		
Sample weight [g]	250	250	250	250	250	249	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	9.26	9.24	9.08	9.29	9.30	9.32	5.72
pH [No unit]	8.94	8.96	8.97	9.06	8.94	9.14	5.83
Conductivity [uS/cm]	268	268	334	249	260	263	< 2
Alkalinity [mg/L as CaCO3]	65	56	58	67	70	63	< 2
SO4 [mg/L]	33	47	63	28	22	39	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.590	0.559	0.390	0.592	0.717	0.746	0.003
As [mg/L]	0.123	0.111	0.0094	0.110	0.118	0.170	< 0.0002
Ba [mg/L]	0.00512	0.00641	0.00499	0.00449	0.00596	0.00681	< 0.00008
B [mg/L]	0.040	0.040	0.037	0.042	0.041	0.050	< 0.002
Be [mg/L]	0.000012	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00003	< 0.00001
Ca [mg/L]	9.53	11.4	15.1	8.79	9.13	8.70	0.02
Cd [mg/L]	0.000003	0.000004	< 0.000003	< 0.000003	0.000004	0.000003	< 0.000003
Co [mg/L]	0.000302	0.000146	0.000021	0.000121	0.000366	0.000471	< 0.000004
Cr [mg/L]	0.00100	0.00090	0.00067	0.00078	0.00119	0.00143	< 0.00008
Cu [mg/L]	0.0003	0.0003	0.0003	0.0003	< 0.0002	0.0003	0.0003
Fe [mg/L]	0.163	0.067	0.024	0.065	0.234	0.199	< 0.007
K [mg/L]	19.8	16.7	22.1	19.4	20.5	16.1	0.010
Li [mg/L]	0.0016	0.0021	0.0017	0.0032	0.0017	0.0021	< 0.0001
Mg [mg/L]	2.78	2.29	5.00	2.29	2.88	1.92	0.004
Mn [mg/L]	0.00191	0.00060	0.00085	0.00047	0.00285	0.00148	0.00007
Mo [mg/L]	0.00762	0.00579	0.00492	0.00568	0.0130	0.00944	0.00007
Na [mg/L]	29.6	30.1	35.6	30.1	31.0	31.7	0.04
Ni [mg/L]	0.0006	0.0003	0.0002	0.0004	0.0009	0.0008	< 0.0001
Pb [mg/L]	0.00232	0.00019	0.00010	0.00014	0.00051	0.00051	< 0.00009

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SGS Canada Inc.
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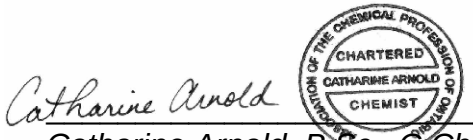
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19200-SEP23**

Analysis	11: ARDG-000767 -TIR01C-1005 0MS15-SAM	12: ARDG-000768 -TIR01C-1005 0MS15-SAM	13: ARDG-000769 -TIR01C-1005 0MS15-SAM	14: ARDG-000770 -TIR01C-1005 0MS15-SAM	15: ARDG-000771 -TIR01C-1005 0MS15-SAM	16: ARDG-000761 -TIR01C-1005 0MS15-SAM	17:BLK: $D.I. Leachate Blank
Sb [mg/L]	0.0072	0.0049	0.0030	0.0072	0.0047	0.0052	< 0.0009
Se [mg/L]	0.00106	0.00069	0.00052	0.00034	0.00043	0.00063	< 0.00004
Si [mg/L]	2.64	2.76	2.21	2.29	2.67	3.24	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0429	0.0528	0.0638	0.0330	0.0337	0.0344	< 0.00008
Ti [mg/L]	0.00308	0.00293	0.00251	0.00174	0.00533	0.00524	0.00027
Tl [mg/L]	0.000006	0.000006	0.000009	< 0.000005	0.000006	< 0.000005	< 0.000005
U [mg/L]	0.000390	0.000251	0.000322	0.000172	0.000348	0.000635	0.000003
V [mg/L]	0.00268	0.00332	0.00165	0.00344	0.00320	0.00463	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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MEL
Works #: Waste Rock OP TIR01
Project : PO#1254179

11-December-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 20 September 2023
LR Report: **CA19199-SEP23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000761-T IR01C-10050MS 15-SAM	6: ARDG-000762-T IR01C-10050MS 15-SAM	7: ARDG-000763-T IR01C-10050MS 15-SAM	8: ARDG-000764-T IR01C-10050MS 15-SAM	9: ARDG-000765-T IR01C-10050MS 15-SAM
Sample Date & Time					30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23
Ag [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	88000	88000	88000	85000	95000
As [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	34	140	84	71	50
Ba [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	780	620	560	600	630
Be [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	1.2	1.3	1.3	1.3	1.4
Bi [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.19	0.21	0.33	0.35	0.18
Ca [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	15000	12000	16000	14000	9300
Cd [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.13	0.08	0.12	0.15	0.12
Co [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	19	21	21	21	22
Cr [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	55	56	59	74	94
Cu [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	46	46	45	47	50
Fe [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	33000	40000	36000	37000	45000
K [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	16000	20000	18000	19000	19000
Li [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	36	43	38	40	52
Mg [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	12000	15000	14000	14000	17000
Mn [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	340	370	370	370	400
Mo [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	1.3	1.4	1.4	1.4	1.5
Ni [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	60	73	67	68	83
Pb [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	11	10	17	15	12
Sb [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.3	0.3	0.3	0.3	0.3
Sn [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	370	290	320	300	250
Ti [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	710	870	800	780	940
Tl [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	0.37	0.45	0.44	0.43	0.47
U [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	1.8	1.7	1.8	1.6	1.7
V [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	78	95	87	88	110
Y [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	7.9	6.7	6.9	6.7	6.1
Zn [µg/g]	05-Dec-23	13:06	07-Dec-23	11:31	78	81	69	75	92

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MEL
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19199-SEP23**

Analysis	10: ARDG-000766-T IR01C-10050MS 15-SAM	11: ARDG-000767-T IR01C-10050MS 15-SAM	12: ARDG-000768-T IR01C-10050MS 15-SAM	13: ARDG-000769-T IR01C-10050MS 15-SAM	14: ARDG-000770-T IR01C-10050MS 15-SAM	15: ARDG-000771-T IR01C-10050MS 15-SAM
Sample Date & Time	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	80000	89000	84000	93000	95000	90000
As [µg/g]	75	160	49	18	93	100
Ba [µg/g]	950	650	900	700	720	680
Be [µg/g]	1.4	1.6	1.2	1.3	1.3	1.4
Bi [µg/g]	0.28	0.34	0.24	0.19	2.4	0.22
Ca [µg/g]	13000	13000	15000	15000	12000	13000
Cd [µg/g]	0.10	0.10	0.12	0.09	0.08	0.11
Co [µg/g]	22	20	18	24	21	20
Cr [µg/g]	61	51	40	52	49	44
Cu [µg/g]	52	52	44	55	61	54
Fe [µg/g]	37000	38000	34000	41000	41000	39000
K [µg/g]	18000	20000	16000	20000	20000	19000
Li [µg/g]	40	38	36	43	44	40
Mg [µg/g]	14000	15000	12000	16000	16000	15000
Mn [µg/g]	340	380	320	440	400	370
Mo [µg/g]	1.7	2.3	1.5	1.4	1.4	1.6
Ni [µg/g]	67	69	56	74	74	71
Pb [µg/g]	45	84	13	10	13	23
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.4	0.3	0.3	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	350	320	370	350	330	300
Ti [µg/g]	810	1400	880	810	750	900
Tl [µg/g]	0.44	0.48	0.37	0.45	0.49	0.45
U [µg/g]	1.5	1.7	1.7	1.6	1.6	1.7
V [µg/g]	84	86	72	100	99	94
Y [µg/g]	6.6	7.2	8.2	7.5	7.7	7.3
Zn [µg/g]	86	76	73	81	87	81

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00035960677

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

MEL
Works #: Waste Rock OP TIR01
Project : PO#1254179

11-December-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 20 September 2023
LR Report: **CA19198-SEP23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000761-TIR01C-10050M S15-SAM	6: ARDG-000762-TIR01C-10050M S15-SAM	7: ARDG-000763-TIR01C-10050M S15-SAM	8: ARDG-000764-TIR01C-10050M S15-SAM
Sample Date & Time					30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23
Paste pH [no unit]	04-Dec-23	09:34	06-Dec-23	14:56	9.01	8.91	8.97	8.99
Fizz Rate [rating]	02-Dec-23	09:13	06-Dec-23	14:56	3	3	3	3
Sample weight [g]	02-Dec-23	08:21	06-Dec-23	14:56	1.99	2.02	2.02	2.03
HCl_add [mL]	05-Dec-23	07:51	06-Dec-23	14:56	27.90	28.40	29.70	29.40
HCl [Normality]	04-Dec-23	09:31	06-Dec-23	14:56	0.10	0.10	0.10	0.10
NaOH [Normality]	04-Dec-23	09:31	06-Dec-23	14:56	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	05-Dec-23	08:20	06-Dec-23	14:56	12.25	13.06	11.20	11.64
Final pH [no unit]	05-Dec-23	09:32	06-Dec-23	14:56	1.55	1.57	1.72	1.70
NP [t CaCO3/1000 t]	05-Dec-23	08:20	06-Dec-23	14:56	39.3	38.0	45.8	43.8
AP [t CaCO3/1000 t]	06-Dec-23	14:56	06-Dec-23	14:56	3.75	3.12	4.38	4.06
Net NP [t CaCO3/1000 t]	06-Dec-23	14:56	06-Dec-23	14:56	35.6	34.9	41.4	39.7
NP/AP [ratio]	06-Dec-23	14:56	06-Dec-23	14:56	10.5	12.2	10.5	10.8
S [%]	27-Nov-23	13:00	01-Dec-23	09:29	0.225	0.199	0.275	0.282
Acid Leachable SO4-S [%]	01-Dec-23	09:28	01-Dec-23	09:29	0.10	0.10	0.14	0.15
Sulphide [%]	28-Nov-23	16:50	01-Dec-23	09:29	0.12	0.10	0.14	0.13
C [%]	27-Nov-23	13:00	28-Nov-23	10:06	0.572	0.583	0.693	0.663
CO3 (HCl) as %CO3 [%]	28-Nov-23	09:11	28-Nov-23	10:06	2.40	2.42	3.03	2.88

Analysis	9: ARDG-000765-TIR01C-10050M S15-SAM	10: ARDG-000766-TIR01C-10050M S15-SAM	11: ARDG-000767-TIR01C-10050M S15-SAM	12: ARDG-000768-TIR01C-10050M S15-SAM	13: ARDG-000769-TIR01C-10050M S15-SAM	14: ARDG-000770-TIR01C-10050M S15-SAM	15: ARDG-000771-TIR01C-10050M S15-SAM
Sample Date & Time	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23	30-Aug-23
Paste pH [no unit]	8.98	9.02	9.00	9.00	8.91	9.07	8.99
Fizz Rate [rating]	3	3	3	3	3	3	3
Sample weight [g]	2.00	1.99	2.00	2.00	2.00	2.03	2.02
HCl_add [mL]	25.90	29.70	29.40	31.80	32.70	32.10	32.90
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.76	13.50	12.12	16.26	14.79	16.00	15.18

OnLine LIMS

0003560652

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Phone: 705-652-2000 FAX: 705-652-6365

MEL
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19198-SEP23**

Analysis	9: ARDG-000765-TIR01C-10050M S15-SAM	10: ARDG-000766-TIR01C-10050M S15-SAM	11: ARDG-000767-TIR01C-10050M S15-SAM	12: ARDG-000768-TIR01C-10050M S15-SAM	13: ARDG-000769-TIR01C-10050M S15-SAM	14: ARDG-000770-TIR01C-10050M S15-SAM	15: ARDG-000771-TIR01C-10050M S15-SAM
Final pH [no unit]	1.60	1.59	1.69	1.55	1.51	1.55	1.69
NP [t CaCO3/1000 t]	27.8	40.7	43.2	38.9	44.8	39.6	43.8
AP [t CaCO3/1000 t]	3.12	4.69	3.44	3.44	4.06	3.12	3.75
Net NP [t CaCO3/1000 t]	24.7	36.0	39.8	35.5	40.7	36.5	40.0
NP/AP [ratio]	8.90	8.68	12.6	11.3	11.0	12.7	11.7
S [%]	0.191	0.277	0.239	0.223	0.216	0.210	0.241
Acid Leachable SO4-S [%]	0.09	0.13	0.13	0.11	0.09	0.11	0.12
Sulphide [%]	0.10	0.15	0.11	0.11	0.13	0.10	0.12
C [%]	0.427	0.617	0.722	0.567	0.668	0.692	0.772
CO3 (HCl) as %CO3 [%]	1.74	2.71	3.20	2.39	2.91	2.81	3.18

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003560652

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

20-November-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
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Phone: (819) 759-3555
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Date Rec. : 20 September 2023
LR Report: **CA19204-SEP23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000772 -TIR01C-1005 0MS16-MV	6: ARDG-000773 -TIR01C-1005 0MS16-MV	7: ARDG-000774 -TIR01C-1005 0MS16-MV
Sample Date & Time					03-Sep-23	03-Sep-23	03-Sep-23
Paste pH [no unit]	08-Nov-23	15:51	10-Nov-23	09:30	8.70	8.66	8.53
Fizz Rate [rating]	08-Nov-23	08:25	10-Nov-23	09:30	3	3	3
Sample weight [g]	07-Nov-23	10:41	10-Nov-23	09:30	2.00	2.00	2.01
HCl_add [mL]	09-Nov-23	08:25	10-Nov-23	09:30	134.50	150.20	181.00
HCl [Normality]	08-Nov-23	09:37	10-Nov-23	09:30	0.10	0.10	0.10
NaOH [Normality]	08-Nov-23	09:37	10-Nov-23	09:30	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Nov-23	12:09	10-Nov-23	09:30	50.21	84.18	69.96
Final pH [no unit]	09-Nov-23	09:31	10-Nov-23	09:30	1.66	1.56	1.60
NP [t CaCO3/1000 t]	09-Nov-23	12:09	10-Nov-23	09:30	211	165	276
AP [t CaCO3/1000 t]	24-Oct-23	15:59	10-Nov-23	09:30	2.81	3.12	9.06
Net NP [t CaCO3/1000 t]	24-Oct-23	15:59	10-Nov-23	09:30	208	162	267
NP/AP [ratio]	24-Oct-23	15:59	10-Nov-23	09:30	74.9	52.8	30.5
S [%]	24-Oct-23	15:59	25-Oct-23	13:07	0.126	0.136	0.421
Acid Leachable SO4-S [%]	25-Oct-23	13:06	25-Oct-23	13:07	< 0.04	< 0.04	0.13
Sulphide [%]	25-Oct-23	12:27	25-Oct-23	13:07	0.09	0.10	0.29
C [%]	24-Oct-23	15:59	25-Oct-23	13:07	2.72	2.72	3.76
CO3 (HCl) as %CO3 [%]	25-Oct-23	12:39	25-Oct-23	13:13	12.9	13.0	18.1

Analysis	8: ARDG-000775 -TIR01C-1005 0MS16-MV	9: ARDG-000776 -TIR01C-1005 0MS16-KWA-S	10: ARDG-000777 -TIR01C-1005 0MS16-KWA-S	11: ARDG-000778 -TIR01C-1005 0MS16-KWA-S	12: ARDG-000779 -TIR01C-1005 0MS16-KWA-S	13: ARDG-000780 -TIR01C-1005 0MS16-KWA-S	14: ARDG-000781 -TIR01C-1005 0MS16-MV
Sample Date & Time	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23
Paste pH [no unit]	8.63	9.22	9.00	9.00	8.94	8.72	8.77
Fizz Rate [rating]	3	3	3	3	3	3	3
Sample weight [g]	2.02	1.99	2.03	2.02	2.00	2.02	2.02
HCl_add [mL]	162.20	28.40	44.90	41.30	46.20	51.00	160.50

OnLine LIMS

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19204-SEP23**

Analysis	8: ARDG-000775-TIR01C-10050MS16-MV	9: ARDG-000776-TIR01C-10050MS16-KWA-S	10: ARDG-000777-TIR01C-10050MS16-KWA-S	11: ARDG-000778-TIR01C-10050MS16-KWA-S	12: ARDG-000779-TIR01C-10050MS16-KWA-S	13: ARDG-000780-TIR01C-10050MS16-KWA-S	14: ARDG-000781-TIR01C-10050MS16-MV
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	57.98	16.39	21.73	22.88	25.54	24.98	59.12
Final pH [no unit]	1.72	1.65	1.71	1.78	1.64	1.77	1.72
NP [t CaCO3/1000 t]	258	30.2	57.1	45.6	51.6	64.4	251
AP [t CaCO3/1000 t]	11.2	4.69	6.88	7.50	1.25	1.56	6.25
Net NP [t CaCO3/1000 t]	247	25.5	50.2	38.1	50.4	62.8	245
NP/AP [ratio]	22.9	6.44	8.31	6.08	41.3	41.2	40.2
S [%]	0.436	0.185	0.263	0.281	0.045	0.071	0.236
Acid Leachable SO4-S [%]	0.08	< 0.04	0.04	0.04	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.36	0.15	0.22	0.24	0.04	0.05	0.20
C [%]	3.60	0.482	0.832	0.669	0.816	0.931	3.54
CO3 (HCl) as %CO3 [%]	17.1	1.55	3.21	2.39	2.89	3.69	16.6

Analysis	15: ARDG-000782-TIR01C-10050MS16-KWA-S	16: ARDG-000783-TIR01C-10050MS16-KWA-S	17: ARDG-000784-TIR01C-10050MS16-KWA-S	18: ARDG-000785-TIR01C-10050MS16-KWA-S	19: ARDG-000786-TIR01C-10050MS16-KWA-S	20: ARDG-000787-TIR01C-10050MS16-KWA-S
Sample Date & Time	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23
Paste pH [no unit]	8.58	8.81	8.56	8.94	8.61	7.84
Fizz Rate [rating]	3	3	3	3	3	3
Sample weight [g]	2.03	2.00	2.00	2.02	2.04	2.00
HCl_add [mL]	129.80	44.90	52.20	45.30	54.30	46.30
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	46.65	23.01	26.63	24.15	26.85	24.28
Final pH [no unit]	1.73	1.70	1.87	1.83	1.83	1.98
NP [t CaCO3/1000 t]	205	54.7	63.9	52.3	67.3	55.1
AP [t CaCO3/1000 t]	3.44	1.56	2.50	5.31	1.88	52.8
Net NP [t CaCO3/1000 t]	201	53.1	61.4	47.0	65.4	2.29
NP/AP [ratio]	59.6	35.0	25.6	9.84	35.9	1.04
S [%]	0.177	0.081	0.095	0.216	0.104	1.81
Acid Leachable SO4-S [%]	0.07	< 0.04	< 0.04	0.05	0.04	0.12
Sulphide [%]	0.11	0.05	0.08	0.17	0.06	1.69
C [%]	2.60	0.808	0.908	0.791	0.927	1.34
CO3 (HCl) as %CO3 [%]	12.1	3.25	3.89	3.28	4.01	4.68

ABA - Modified Sobek

*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP

OnLine LIMS

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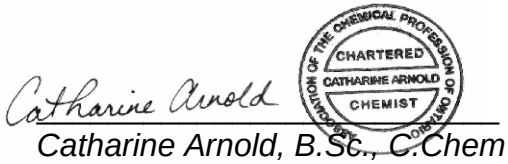
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19204-SEP23**

*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003538497

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

07-November-2023

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Date Rec. : 20 September 2023
LR Report: **CA19206-SEP23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000772 -TIR01C-1005 0MS16-MV	6: ARDG-000773 -TIR01C-1005 0MS16-MV	7: ARDG-000774 -TIR01C-1005 0MS16-MV
Sample Date & Time					03-Sep-23	03-Sep-23	03-Sep-23
Sample weight [g]	26-Oct-23	06:30	27-Oct-23	16:12	250	250	250
Volume D.I. Water [mL]	26-Oct-23	06:30	27-Oct-23	16:12	750	750	750
pH [no unit]	26-Oct-23	06:30	27-Oct-23	16:12	9.02	9.07	8.64
pH [No unit]	27-Oct-23	16:16	30-Oct-23	11:48	7.66	7.68	7.66
Conductivity [uS/cm]	27-Oct-23	16:16	30-Oct-23	11:48	192	209	455
Alkalinity [mg/L as CaCO3]	27-Oct-23	16:16	30-Oct-23	11:48	44	46	58
SO4 [mg/L]	27-Oct-23	15:53	27-Oct-23	16:48	11	13	83
Hg [mg/L]	01-Nov-23	15:05	02-Nov-23	10:26	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.560	0.533	0.305
As [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.0041	0.0041	0.0289
Ba [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.00180	0.00216	0.00309
B [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.015	0.015	0.023
Be [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	11.4	12.0	28.4
Cd [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.000005	< 0.000003	0.000004
Co [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.000021	0.000020	0.000159
Cr [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.00008	0.00012	< 0.00008
Cu [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.007	< 0.007	< 0.007
K [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	3.41	4.04	6.28
Li [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.0008	0.0007	0.0032
Mg [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	2.38	2.64	11.6
Mn [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.00216	0.00234	0.0108
Mo [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.00348	0.00238	0.00569
Na [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	21.1	22.9	40.6
Ni [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.0001	< 0.0001	0.0004

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19206-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000772 -TIR01C-1005 0MS16-MV	6: ARDG-000773 -TIR01C-1005 0MS16-MV	7: ARDG-000774 -TIR01C-1005 0MS16-MV
Pb [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.0009	< 0.0009	0.0025
Se [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.00028	0.00023	0.00162
Si [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.98	0.98	1.40
Sn [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.00006	0.00007	< 0.00006
Sr [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.0309	0.0321	0.0511
Ti [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.00010	0.00009	0.00054
Tl [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.000005	< 0.000005	< 0.000005
U [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.000013	0.000011	0.000137
W [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.00050	0.00056	0.00201
Y [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.00002	< 0.00002	< 0.00002
V [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	0.00086	0.00077	0.00068
Zn [mg/L]	04-Nov-23	21:47	06-Nov-23	15:22	< 0.002	0.003	< 0.002
pH Check <2 [pH]	30-Oct-23	10:25	06-Nov-23	15:22	1.00	1.00	1.00

Analysis	8: ARDG-000775 -TIR01C-1005 0MS16-MV	9: ARDG-000776 -TIR01C-1005 0MS16-KWA-S	10: ARDG-000777 -TIR01C-1005 0MS16-KWA-S	11: ARDG-000778 -TIR01C-1005 0MS16-KWA-S	12: ARDG-000779 -TIR01C-1005 0MS16-KWA-S	13: ARDG-000780 -TIR01C-1005 0MS16-KWA-S	14: ARDG-000781 -TIR01C-1005 0MS16-MV
Sample Date & Time	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23
Sample weight [g]	250	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	8.66	9.29	9.15	9.32	9.50	9.34	8.95
pH [No unit]	7.78	7.83	7.64	7.79	8.52	7.82	8.24
Conductivity [uS/cm]	422	236	228	204	248	282	340
Alkalinity [mg/L as CaCO3]	58	53	40	44	63	45	76
SO4 [mg/L]	76	34	42	24	20	16	64
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.316	0.639	0.573	0.732	0.692	0.897	0.407
As [mg/L]	0.0329	0.0523	0.0132	0.0522	0.0384	0.0052	0.0467
Ba [mg/L]	0.00268	0.00324	0.00380	0.00213	0.00661	0.00325	0.00038
B [mg/L]	0.020	0.014	0.014	0.013	0.030	0.015	0.018
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000009	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Ca [mg/L]	25.6	9.50	13.1	9.38	7.71	8.81	15.5
Cd [mg/L]	0.000009	0.000013	0.000004	0.000005	0.000007	< 0.000003	0.000009
Co [mg/L]	0.000156	0.000071	0.000037	0.000036	0.000203	0.000012	0.000092
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00009	0.00024	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0005	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.489	0.007	< 0.007
K [mg/L]	7.38	19.8	14.3	16.4	14.5	16.5	1.97
Li [mg/L]	0.0030	0.0010	0.0010	0.0010	0.0021	0.0011	0.0023

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19206-SEP23**

Analysis	8: ARDG-000775 -TIR01C-1005 0MS16-MV	9: ARDG-000776 -TIR01C-1005 0MS16-KWA-S	10: ARDG-000777 -TIR01C-1005 0MS16-KWA-S	11: ARDG-000778 -TIR01C-1005 0MS16-KWA-S	12: ARDG-000779 -TIR01C-1005 0MS16-KWA-S	13: ARDG-000780 -TIR01C-1005 0MS16-KWA-S	14: ARDG-000781 -TIR01C-1005 0MS16-MV
Mg [mg/L]	11.1	2.67	2.55	1.64	1.86	1.03	9.97
Mn [mg/L]	0.00911	0.00107	0.00188	0.00071	0.00463	0.00064	0.00282
Mo [mg/L]	0.00516	0.00590	0.00672	0.00637	0.00886	0.00422	0.00595
Na [mg/L]	36.3	20.1	17.9	17.6	31.5	33.7	37.1
Ni [mg/L]	0.0004	0.0001	0.0002	< 0.0001	0.0004	< 0.0001	0.0002
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00028	< 0.00009	< 0.00009
Sb [mg/L]	0.0023	0.0060	0.0044	0.0069	0.0023	0.0017	0.0034
Se [mg/L]	0.00237	0.00027	0.00029	0.00019	0.00017	0.00015	0.00191
Si [mg/L]	1.35	1.67	1.67	1.44	2.52	1.48	1.57
Sn [mg/L]	< 0.00006	0.00006	0.00010	< 0.00006	< 0.00006	0.00008	< 0.00006
Sr [mg/L]	0.0503	0.0459	0.0858	0.0416	0.0529	0.122	0.0195
Ti [mg/L]	0.00011	0.00029	0.00011	0.00014	0.00626	0.00015	< 0.00007
Tl [mg/L]	0.000005	0.000006	< 0.000005	< 0.000005	0.000005	0.000008	< 0.000005
U [mg/L]	0.000101	0.000204	0.000187	0.000098	0.000752	0.000184	0.000028
W [mg/L]	0.00202	0.00249	0.00301	0.00137	0.00325	0.00245	0.00119
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00008	< 0.00002	< 0.00002
V [mg/L]	0.00069	0.00212	0.00185	0.00198	0.00170	0.00061	0.00152
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
pH Check <2 [pH]	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Analysis	15: ARDG-000782 -TIR01C-1005 0MS16-KWA-S	16: ARDG-000783 -TIR01C-1005 0MS16-KWA-S	17: ARDG-000784 -TIR01C-1005 0MS16-KWA-S	18: ARDG-000785 -TIR01C-1005 0MS16-KWA-S	19: ARDG-000786 -TIR01C-1005 0MS16-KWA-S	20: ARDG-000787 -TIR01C-1005 0MS16-KWA-S
Sample Date & Time	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23
Sample weight [g]	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.00	9.35	9.16	9.28	9.12	8.29
pH [No unit]	7.62	7.85	7.83	7.82	7.84	7.63
Conductivity [uS/cm]	182	216	233	291	199	630
Alkalinity [mg/L as CaCO3]	46	44	50	53	55	75
SO4 [mg/L]	15	19	18	46	16	160
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.476	0.732	0.812	0.528	0.736	0.131
As [mg/L]	0.0035	0.0053	0.0105	0.112	0.0040	0.0266
Ba [mg/L]	0.00257	0.00275	0.00399	0.00355	0.00318	0.0235
B [mg/L]	0.010	0.016	0.014	0.011	0.011	0.022
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	14.7	8.42	10.4	11.8	9.74	64.1
Cd [mg/L]	0.000004	0.000006	< 0.000003	< 0.000003	0.000003	0.000006
Co [mg/L]	0.000018	0.000012	0.000011	0.000063	0.000009	0.000063

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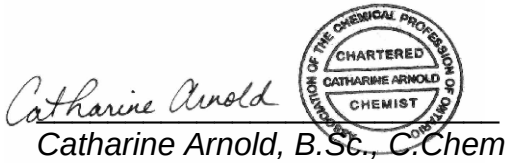
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19206-SEP23**

Analysis	15: ARDG-000782-TIR01C-10050MS16-KWA-S	16: ARDG-000783-TIR01C-10050MS16-KWA-S	17: ARDG-000784-TIR01C-10050MS16-KWA-S	18: ARDG-000785-TIR01C-10050MS16-KWA-S	19: ARDG-000786-TIR01C-10050MS16-KWA-S	20: ARDG-000787-TIR01C-10050MS16-KWA-S
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	< 0.007	0.019	< 0.007	< 0.007	< 0.007	0.009
K [mg/L]	3.55	11.9	16.3	21.8	15.9	24.5
Li [mg/L]	0.0009	0.0012	0.0010	0.0017	0.0009	0.0021
Mg [mg/L]	3.38	1.59	1.28	4.62	1.53	14.2
Mn [mg/L]	0.00269	0.00093	0.00135	0.00172	0.00114	0.0332
Mo [mg/L]	0.00338	0.00709	0.00371	0.00675	0.00409	0.0101
Na [mg/L]	14.2	24.6	23.6	24.1	17.3	24.8
Ni [mg/L]	0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	0.0003
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00103	< 0.00009	0.00009
Sb [mg/L]	< 0.0009	0.0015	0.0019	0.0071	0.0012	< 0.0009
Se [mg/L]	0.00015	0.00013	0.00020	0.00161	0.00013	0.00038
Si [mg/L]	0.98	1.80	1.38	1.86	1.30	1.36
Sn [mg/L]	0.00009	< 0.00006	< 0.00006	< 0.00006	0.00007	< 0.00006
Sr [mg/L]	0.0361	0.0994	0.134	0.0495	0.121	0.370
Ti [mg/L]	0.00007	0.00022	0.00019	0.00020	< 0.00007	0.00024
Tl [mg/L]	0.000007	0.000005	0.000008	0.000017	0.000005	0.000017
U [mg/L]	0.000007	0.000270	0.000130	0.000503	0.000073	0.000337
W [mg/L]	0.00063	0.00170	0.00197	0.00307	0.00209	0.00238
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V [mg/L]	0.00072	0.00077	0.00041	0.00148	0.00028	0.00005
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
pH Check <2 [pH]	1.00	1.00	1.00	1.00	1.00	1.00

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

01-November-2023

Date Rec. : 20 September 2023
LR Report: **CA19205-SEP23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000772-T IR01C-10050MS 16-MV	6: ARDG-000773-T IR01C-10050MS 16-MV	7: ARDG-000774-T IR01C-10050MS 16-MV	8: ARDG-000775-T IR01C-10050MS 16-MV	9: ARDG-000776-T IR01C-10050MS 16-KWA-S	10: ARDG-000777-T IR01C-10050MS 16-KWA-S
Sample Date & Time					03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23
Ag [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	70000	70000	64000	67000	69000	74000
As [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	30	29	250	240	35	25
Ba [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	61	57	210	250	740	650
Be [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	0.37	0.35	0.50	0.56	1.3	1.1
Bi [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	< 0.09	< 0.09	< 0.09	< 0.09	0.20	0.22
Ca [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	76000	77000	91000	83000	9000	21000
Cd [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	0.09	0.10	0.31	0.38	0.04	0.13
Co [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	41	42	41	42	17	22
Cr [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	110	96	78	91	40	38
Cu [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	120	96	100	120	46	67
Fe [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	76000	78000	64000	67000	37000	44000
K [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	3000	2500	6800	8500	18000	13000
Li [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	67	68	52	50	34	35
Mg [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	29000	30000	18000	19000	13000	14000
Mn [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	1500	1500	1800	1700	260	500

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19205-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000772-T IR01C-10050MS 16-MV	6: ARDG-000773-T IR01C-10050MS 16-MV	7: ARDG-000774-T IR01C-10050MS 16-MV	8: ARDG-000775-T IR01C-10050MS 16-MV	9: ARDG-000776-T IR01C-10050MS 16-KWA-S	10: ARDG-000777-T IR01C-10050MS 16-KWA-S
Mo [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	1.2	0.5	1.1	0.9	1.5	1.3
Ni [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	110	110	100	99	60	56
Pb [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	4	3	12	15	14	22
Sb [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	0.2	0.3	0.3	0.4	0.1	0.2
Sn [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	110	100	170	180	290	360
Ti [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	660	630	2600	3100	1500	2600
Tl [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	0.14	0.12	0.30	0.35	0.40	0.32
U [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	0.16	0.15	0.21	0.24	1.26	1.78
V [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	210	210	190	200	76	100
Y [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	7.8	7.4	8.5	8.5	4.3	7.6
Zn [µg/g]	31-Oct-23	00:19	31-Oct-23	16:53	88	89	130	140	67	75

Analysis	11: ARDG-000778-T IR01C-10050MS 16-KWA-S	12: ARDG-000779-T IR01C-10050MS 16-KWA-S	13: ARDG-000780-T IR01C-10050MS 16-KWA-S	14: ARDG-000781-T IR01C-10050MS 16-MV	15: ARDG-000782-T IR01C-10050MS 16-KWA-S	16: ARDG-000783-T IR01C-10050MS 16-KWA-S	17: ARDG-000784-T IR01C-10050MS 16-KWA-S	18: ARDG-000785-T IR01C-10050MS 16-KWA-S	19: ARDG-000786-T IR01C-10050MS 16-KWA-S	20: ARDG-000787-T IR01C-10050MS 16-KWA-S
Sample Date & Time	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23	03-Sep-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	83000	80000	69000	71000	67000	71000	65000	78000	64000	46000
As [µg/g]	67	82	10	170	35	5.7	38	51	24	3500
Ba [µg/g]	670	530	420	31	56	390	560	740	490	320
Be [µg/g]	1.3	1.1	1.1	0.35	0.33	1.0	1.1	1.2	1.0	1.0
Bi [µg/g]	0.20	0.17	0.11	< 0.09	< 0.09	0.18	0.29	0.91	0.10	0.20
Ca [µg/g]	16000	18000	24000	66000	72000	21000	25000	14000	25000	17000
Cd [µg/g]	0.05	0.09	0.05	0.11	0.12	0.05	0.05	0.10	0.05	0.12
Co [µg/g]	21	5.9	5.4	43	44	5.1	6.6	18	6.0	7.8
Cr [µg/g]	55	8.0	6.2	98	93	6.6	12	46	8.7	21
Cu [µg/g]	49	35	22	91	100	40	17	46	15	56
Fe [µg/g]	57000	32000	64000	67000	84000	48000	81000	36000	79000	150000

OnLine LIMS

0003519177

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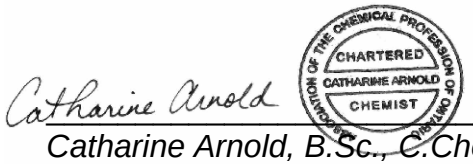
SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19205-SEP23**

Analysis	11: ARDG-000778-TIR01C-10050MS16-KWA-S	12: ARDG-000779-TIR01C-10050MS16-KWA-S	13: ARDG-000780-TIR01C-10050MS16-KWA-S	14: ARDG-000781-TIR01C-10050MS16-MV	15: ARDG-000782-TIR01C-10050MS16-KWA-S	16: ARDG-000783-TIR01C-10050MS16-KWA-S	17: ARDG-000784-TIR01C-10050MS16-KWA-S	18: ARDG-000785-TIR01C-10050MS16-KWA-S	19: ARDG-000786-TIR01C-10050MS16-KWA-S	20: ARDG-000787-TIR01C-10050MS16-KWA-S
K [µg/g]	19000	16000	12000	3000	2000	11000	12000	20000	12000	11000
Li [µg/g]	42	22	28	75	81	23	26	24	28	17
Mg [µg/g]	15000	5800	6600	30000	32000	5700	6800	12000	6600	8200
Mn [µg/g]	350	190	240	1200	1500	210	320	270	310	440
Mo [µg/g]	1.3	1.7	1.1	0.4	0.4	1.9	0.9	1.3	2.1	2.1
Ni [µg/g]	69	11	9.6	110	100	8.1	14	58	13	21
Pb [µg/g]	7	12	9	9	3	7	63	260	8	19
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	< 0.1	< 0.1	0.4	0.3	< 0.1	< 0.1	0.3	< 0.1	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	260	440	510	160	84	460	410	250	410	220
Ti [µg/g]	3200	1500	1500	680	1400	1400	1700	2800	1500	1100
Tl [µg/g]	0.41	0.24	0.23	0.13	0.10	0.17	0.21	0.46	0.20	0.37
U [µg/g]	1.92	0.83	0.87	0.082	0.13	0.78	0.98	1.94	0.91	1.13
V [µg/g]	98	26	25	190	210	22	29	72	26	30
Y [µg/g]	7.5	3.7	4.7	4.1	8.8	3.8	5.0	7.5	4.9	4.9
Zn [µg/g]	67	50	47	100	91	47	44	60	45	69



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SFE 3:1 ratio 24hr (MEND) prefilter pH
Works #: Waste Rock OP TIR01

Project : PO#1254179

01-December-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 20 September 2023
LR Report: **CA19203-SEP23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000788 -TIR01C-1005 0MS14-KWS-S	6: ARDG-000789 -TIR01C-1005 0MS14-KWS-S	7: ARDG-000790 -TIR01C-1005 0MS14-KWS-S
Sample Date & Time					11-Sep-23	11-Sep-23	11-Sep-23
Sample weight [g]	26-Nov-23	08:48	27-Nov-23	11:29	250	250	250
Volume D.I. Water [mL]	26-Nov-23	08:48	27-Nov-23	11:29	750	750	750
pH [no unit]	26-Nov-23	08:48	27-Nov-23	11:29	8.55	8.64	8.81
pH [No unit]	28-Nov-23	08:23	29-Nov-23	10:21	7.64	7.92	7.77
Conductivity [uS/cm]	28-Nov-23	08:23	29-Nov-23	10:21	240	207	245
Alkalinity [mg/L as CaCO3]	28-Nov-23	08:23	29-Nov-23	10:21	54	50	36
SO4 [mg/L]	28-Nov-23	09:07	28-Nov-23	13:24	15	13	18
Hg [mg/L]	30-Nov-23	07:14	30-Nov-23	14:57	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.00005	< 0.00005	0.00015
Al [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.298	0.333	0.538
As [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.0071	0.0044	0.0028
Ba [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.00510	0.00121	0.00278
B [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.012	0.009	0.016
Be [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	11.7	11.5	12.4
Cd [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.000036	0.000014	0.000012
Cr [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.0002	0.0002	< 0.0002
Fe [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.007	< 0.007	< 0.007
K [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	4.52	7.10	4.50
Li [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.0011	0.0009	0.0013
Mg [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	5.40	4.85	2.73
Mn [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.00143	0.00196	0.00195

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SFE 3:1 ratio 24hr (MEND) prefilter pH
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19203-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000788 -TIR01C-1005 0MS14-KWS-S	6: ARDG-000789 -TIR01C-1005 0MS14-KWS-S	7: ARDG-000790 -TIR01C-1005 0MS14-KWS-S
Mo [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.00218	0.00211	0.00211
Na [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	25.7	19.8	32.3
Ni [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.0009	< 0.0009	0.0011
Se [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.00029	0.00026	0.00027
Si [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	1.53	1.49	1.66
Sn [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.0312	0.0347	0.0269
Ti [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.00007	< 0.00007	0.00014
Tl [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.000006	0.000008	0.000007
U [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.000031	0.000054	0.000016
W [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.00117	0.00162	0.00107
Y [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.00002	< 0.00002	< 0.00002
V [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	0.00101	0.00093	0.00177
Zn [mg/L]	30-Nov-23	09:10	30-Nov-23	14:57	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000791 -TIR01C-1005 0MS14-KWS-S	9: ARDG-000792 -TIR01C-1005 0MS14-KWS-S	10: ARDG-000793 -TIR01C-1005 0MS14-KWS-S
Sample Date & Time	11-Sep-23	11-Sep-23	11-Sep-23
Sample weight [g]	250	250	250
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.79	8.90	8.84
pH [No unit]	8.00	8.40	7.90
Conductivity [uS/cm]	250	238	278
Alkalinity [mg/L as CaCO3]	87	60	53
SO4 [mg/L]	23	29	33
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.360	0.319	0.365
As [mg/L]	0.0042	0.0065	0.0016
Ba [mg/L]	0.00144	0.00173	0.00118
B [mg/L]	0.010	0.013	0.012
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	12.3	12.6	14.1
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	8: ARDG-000791 -TIR01C-1005 0MS14-KWS-S	9: ARDG-000792 -TIR01C-1005 0MS14-KWS-S	10: ARDG-000793 -TIR01C-1005 0MS14-KWS-S
Co [mg/L]	0.000016	0.000020	0.000009
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0002	0.0003	0.0003
Fe [mg/L]	< 0.007	< 0.007	< 0.007
K [mg/L]	9.70	13.3	3.94
Li [mg/L]	0.0014	0.0014	0.0017
Mg [mg/L]	8.01	8.78	7.50
Mn [mg/L]	0.00178	0.00181	0.00270
Mo [mg/L]	0.00325	0.00421	0.00321
Na [mg/L]	23.8	26.0	30.5
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	< 0.0009	0.0009	< 0.0009
Se [mg/L]	0.00049	0.00061	0.00067
Si [mg/L]	1.77	1.99	1.66
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0222	0.0220	0.0256
Ti [mg/L]	< 0.00007	< 0.00007	< 0.00007
Tl [mg/L]	0.000009	0.000016	< 0.000005
U [mg/L]	0.000011	0.000018	0.000016
W [mg/L]	0.00640	0.00770	0.00100
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002
V [mg/L]	0.00111	0.00135	0.00098
Zn [mg/L]	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

20-November-2023

Date Rec. : 20 September 2023
LR Report: **CA19201-SEP23**
Reference: Melidine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000788 -TIR01C-10050MS14-KWS-S	6: ARDG-000789 -TIR01C-10050MS14-KWS-S	7: ARDG-000790 -TIR01C-10050MS14-KWS-S	8: ARDG-000791 -TIR01C-10050MS14-KWS-S	9: ARDG-000792 -TIR01C-10050MS14-KWS-S	10: ARDG-000793 -TIR01C-10050MS14-KWS-S
Sample Date & Time					11-Sep-23	11-Sep-23	11-Sep-23	11-Sep-23	11-Sep-23	11-Sep-23
Paste pH [no unit]	08-Nov-23	15:51	10-Nov-23	09:29	8.68	8.69	8.64	8.78	8.80	8.75
Fizz Rate [rating]	08-Nov-23	08:25	10-Nov-23	09:29	3	3	3	3	3	3
Sample weight [g]	07-Nov-23	10:41	10-Nov-23	09:29	2.00	2.00	2.03	2.00	1.99	2.04
HCl_add [mL]	09-Nov-23	08:25	10-Nov-23	09:29	132.70	128.50	128.60	168.50	172.70	173.30
HCl [Normality]	08-Nov-23	09:37	10-Nov-23	09:29	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	08-Nov-23	09:37	10-Nov-23	09:29	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Nov-23	12:09	10-Nov-23	09:29	42.81	40.53	44.91	62.37	36.73	45.61
Final pH [no unit]	09-Nov-23	09:31	10-Nov-23	09:29	1.67	1.62	1.57	1.62	1.64	1.56
NP [t CaCO3/1000 t]	09-Nov-23	12:09	10-Nov-23	09:29	225	220	206	265	342	313
AP [t CaCO3/1000 t]	30-Oct-23	09:10	10-Nov-23	09:30	2.50	2.81	1.56	2.19	2.50	4.38
Net NP [t CaCO3/1000 t]	30-Oct-23	09:10	10-Nov-23	09:30	222	217	205	263	339	309
NP/AP [ratio]	30-Oct-23	09:10	10-Nov-23	09:30	89.9	78.2	132	121	137	71.5
S [%]	30-Oct-23	09:10	30-Oct-23	09:34	0.096	0.116	0.077	0.112	0.123	0.176
Acid Leachable SO4-S [%]	30-Oct-23	09:34	30-Oct-23	09:34	< 0.04	< 0.04	< 0.04	0.04	0.04	< 0.04
Sulphide [%]	30-Oct-23	08:36	30-Oct-23	09:34	0.08	0.09	0.05	0.07	0.08	0.14

OnLine LIMS

0003538487

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19201-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000788 -TIR01C-1005 0MS14-KWS-S	6: ARDG-000789 -TIR01C-1005 0MS14-KWS-S	7: ARDG-000790 -TIR01C-1005 0MS14-KWS-S	8: ARDG-000791 -TIR01C-1005 0MS14-KWS-S	9: ARDG-000792 -TIR01C-1005 0MS14-KWS-S	10: ARDG-000793 -TIR01C-1005 0MS14-KWS-S
C [%]	30-Oct-23	09:10	30-Oct-23	09:34	3.12	2.91	2.63	3.80	3.94	3.48
CO3 (HCl) as %CO3 [%]	30-Oct-23	09:40	30-Oct-23	12:22	15.0	13.8	12.3	18.0	18.6	16.9

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

07-November-2023

Date Rec. : 27 October 2023
LR Report: **CA19202-SEP23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000788-T IR01C-10050MS 14-KWS-S	6: ARDG-000789-T IR01C-10050MS 14-KWS-S	7: ARDG-000790-T IR01C-10050MS 14-KWS-S	8: ARDG-000791-T IR01C-10050MS 14-KWS-S	9: ARDG-000792-T IR01C-10050MS 14-KWS-S	10: ARDG-000793-T IR01C-10050MS 14-KWS-S
Sample Date & Time					11-Sep-23	11-Sep-23	11-Sep-23	11-Sep-23	11-Sep-23	11-Sep-23
Ag [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	70000	66000	68000	64000	70000	73000
As [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	17	12	8.8	12	28	3.2
Ba [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	65	84	50	120	41	1800
Be [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	0.55	0.50	0.37	0.56	0.30	2.8
Bi [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.17
Ca [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	71000	69000	86000	68000	83000	39000
Cd [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	0.10	0.13	0.10	0.10	0.10	0.05
Co [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	43	42	44	42	44	23
Cr [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	170	260	190	240	230	150
Cu [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	95	89	100	81	100	96
Fe [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	69000	65000	66000	65000	66000	50000
K [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	3400	5300	2200	7200	2400	30000
Li [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	72	65	69	50	59	25
Mg [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	40000	35000	29000	36000	33000	27000
Mn [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	1500	1400	1900	1400	1800	890

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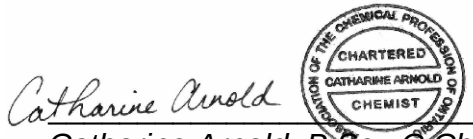
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19202-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000788-T IR01C-10050MS 14-KWS-S	6: ARDG-000789-T IR01C-10050MS 14-KWS-S	7: ARDG-000790-T IR01C-10050MS 14-KWS-S	8: ARDG-000791-T IR01C-10050MS 14-KWS-S	9: ARDG-000792-T IR01C-10050MS 14-KWS-S	10: ARDG-000793-T IR01C-10050MS 14-KWS-S
Mo [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	0.4	0.4	0.4	0.4	0.3	15
Ni [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	120	120	110	120	130	68
Pb [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	3	4	3	3	3	28
Sb [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	0.8
Se [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	0.3	0.3	0.3	0.3	0.4	0.2
Sn [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	120	140	120	130	86	940
Ti [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	510	690	500	560	410	3400
Tl [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	0.13	0.18	0.08	0.26	0.12	0.61
U [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	0.090	0.88	0.16	0.067	0.073	3.72
V [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	190	180	200	180	180	130
Y [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	6.8	7.8	14	3.9	5.4	18
Zn [µg/g]	31-Oct-23	23:59	02-Nov-23	15:23	71	69	73	69	77	79



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

20-November-2023

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Date Rec. : 27 September 2023
LR Report: **CA19330-SEP23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000794-TIR01 C-10045MS50-Kwa-s	6: ARDG 000795-TIR01 C-10045MS50-Kwa-s	7: ARDG 000796-TIR01 C-10045MS50-Kwa-s
Sample Date & Time					17-Sep-23	17-Sep-23	17-Sep-23
Sample weight [g]	27-Oct-23	10:18	30-Oct-23	16:09	250	250	250
Volume D.I. Water [mL]	27-Oct-23	10:18	30-Oct-23	16:09	750	750	750
pH [no unit]	28-Oct-23	08:26	30-Oct-23	16:09	9.13	9.00	9.05
pH [No unit]	28-Oct-23	13:09	01-Nov-23	10:08	8.70	8.58	8.16
Conductivity [uS/cm]	28-Oct-23	13:09	01-Nov-23	10:08	240	260	302
Alkalinity [mg/L as CaCO3]	28-Oct-23	13:09	01-Nov-23	10:08	101	103	106
SO4 [mg/L]	09-Nov-23	11:19	09-Nov-23	14:30	21	23	19
Hg (diss) [mg/L]	02-Nov-23	13:59	03-Nov-23	12:12	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	1.01	1.03	0.778
As (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.0388	0.0366	0.0308
Ba (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.00357	0.00253	0.00233
B (diss) [mg/L]	04-Nov-23	20:15	13-Nov-23	12:50	0.012	0.013	0.013
Be (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	8.86	8.50	8.34
Cd (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.000037	0.000026	0.000019
Cr (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.00040	0.00029	0.00014
Cu (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	34.8	42.0	40.7
Li (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.0015	0.0012	0.0008
Mg (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	4.52	3.95	3.45
Mn (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.00133	0.00109	0.00074
Mo (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.00147	0.00197	0.00160
Na (diss) [mg/L]	04-Nov-23	20:15	13-Nov-23	12:50	26.1	25.3	26.9

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19330-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000794-TIR01 C-10045MS50-Kwa-s	6: ARDG 000795-TIR01 C-10045MS50-Kwa-s	7: ARDG 000796-TIR01 C-10045MS50-Kwa-s
Ni (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.0002	0.0002	0.0001
Pb (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.0057	0.0058	0.0041
Se (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.00027	0.00021	0.00037
Si (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	1.53	1.43	1.55
Sn (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.0568	0.0522	0.0521
Ti (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.00008	< 0.00007	< 0.00007
Tl (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.000014	0.000014	0.000009
U (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.000550	0.00489	0.000357
W (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.00225	0.00340	0.00213
Y (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	0.00207	0.00180	0.00136
Zn (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:33	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG 000797-TIR01 C-10045MS50-Kwa-s	9: ARDG 000798-TIR01 C-10045MS50-Kwa-s	10: ARDG 000799-TIR01 C-10045MS50-Kwa-s
Sample Date & Time	17-Sep-23	17-Sep-23	17-Sep-23
Sample weight [g]	250	250	250
Volume D.I. Water [mL]	750	750	750
pH [no unit]	9.27	9.00	9.30
pH [No unit]	8.09	8.31	8.77
Conductivity [uS/cm]	282	373	276
Alkalinity [mg/L as CaCO3]	99	103	79
SO4 [mg/L]	16	50	55
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.703	0.472	0.763
As (diss) [mg/L]	0.0202	0.0550	0.0238
Ba (diss) [mg/L]	0.00179	0.00712	0.00804
B (diss) [mg/L]	0.012	0.019	0.017
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	6.79	9.96	6.00
Cd (diss) [mg/L]	0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000008	0.000027	0.000010
Cr (diss) [mg/L]	0.00009	0.00009	0.00037
Cu (diss) [mg/L]	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19330-SEP23**

Analysis	8: ARDG 000797-TIR01 C-10045MS50-Kwa-s	9: ARDG 000798-TIR01 C-10045MS50-Kwa-s	10: ARDG 000799-TIR01 C-10045MS50-Kwa-s
K (diss) [mg/L]	37.5	39.6	25.9
Li (diss) [mg/L]	0.0005	0.0011	0.0020
Mg (diss) [mg/L]	2.03	5.41	1.99
Mn (diss) [mg/L]	0.00028	0.00108	0.00067
Mo (diss) [mg/L]	0.00138	0.00284	0.00350
Na (diss) [mg/L]	27.9	37.7	45.0
Ni (diss) [mg/L]	< 0.0001	0.0002	0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0029	0.0013	0.0047
Se (diss) [mg/L]	0.00017	0.00066	0.00043
Si (diss) [mg/L]	1.70	2.02	1.92
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0406	0.0862	0.0322
Ti (diss) [mg/L]	0.00008	< 0.00007	< 0.00007
Tl (diss) [mg/L]	< 0.000005	0.000026	0.000006
U (diss) [mg/L]	0.000421	0.000902	0.000166
W (diss) [mg/L]	0.00086	0.00154	0.00400
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00131	0.00112	0.00492
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

27-October-2023

Agnico Eagle Mines Limited
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Date Rec. : 27 September 2023
LR Report: **CA19329-SEP23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000794	6: ARDG 000795	7: ARDG 000796
Sample Date & Time					17-Sep-23	17-Sep-23	17-Sep-23
Ag [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	< 0.5	< 0.5	< 0.5
Al [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	55000	59000	64000
As [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	32	120	78
Ba [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	580	610	610
Be [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	1.2	1.2	1.3
Bi [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	0.17	0.16	0.16
Ca [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	10000	8600	9700
Cd [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	0.09	0.10	0.11
Co [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	20	22	23
Cr [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	160	170	170
Cu [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	41	48	100
Fe [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	34000	39000	41000
K [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	16000	20000	22000
Li [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	34	40	40
Mg [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	13000	15000	15000
Mn [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	330	310	360
Mo [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	1.4	1.4	1.5
Ni [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	65	72	77
Pb [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	12	11	12
Sb [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	< 0.8	< 0.8	< 0.8
Se [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	0.1	0.2	0.2
Sn [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	< 6	< 6	< 6
Sr [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	260	220	230
Ti [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	1200	1100	1100
Tl [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	0.38	0.46	0.48
U [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	0.58	1.57	1.61
V [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	93	110	110
Y [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	3.5	4.5	4.9
Zn [µg/g]	23-Oct-23	23:57	25-Oct-23	10:24	81	79	81

OnLine LIMS

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SGS Canada Inc.
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19329-SEP23**

Analysis	8: ARDG 000797	9: ARDG 000798	10: ARDG 000799
Sample Date & Time	17-Sep-23	17-Sep-23	17-Sep-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	64000	55000	70000
As [µg/g]	66	53	37
Ba [µg/g]	550	700	350
Be [µg/g]	1.4	1.1	0.88
Bi [µg/g]	0.12	0.15	0.12
Ca [µg/g]	7900	15000	26000
Cd [µg/g]	0.10	0.08	0.08
Co [µg/g]	22	17	28
Cr [µg/g]	180	150	140
Cu [µg/g]	45	31	54
Fe [µg/g]	38000	29000	53000
K [µg/g]	20000	15000	6700
Li [µg/g]	43	29	40
Mg [µg/g]	15000	10000	19000
Mn [µg/g]	290	300	710
Mo [µg/g]	1.5	1.2	1.0
Ni [µg/g]	75	55	52
Pb [µg/g]	13	9	6
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.1	0.1	0.2
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	250	310	210
Ti [µg/g]	1100	1700	4400
Tl [µg/g]	0.46	0.37	0.27
U [µg/g]	1.50	0.66	0.80
V [µg/g]	110	78	160
Y [µg/g]	4.1	4.1	12
Zn [µg/g]	85	56	63

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: Waste Rock OP TIR01
Project : PO#1254179

01-November-2023

Agnico Eagle Mines Limited
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Date Rec. : 27 September 2023
LR Report: **CA19328-SEP23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG 000794-TIR01C-10045MS50-Kwa-s	6: ARDG 000795-TIR01C-10045MS50-Kwa-s	7: ARDG 000796-TIR01C-10045MS50-Kwa-s
Sample Date & Time					17-Sep-23	17-Sep-23	17-Sep-23
Paste pH [no unit]	31-Oct-23	06:49	01-Nov-23	09:09	9.03	8.96	8.98
Fizz Rate [rating]	30-Oct-23	09:15	01-Nov-23	09:09	3	3	3
Sample weight [g]	26-Oct-23	06:41	01-Nov-23	09:09	1.99	2.00	1.98
HCl_add [mL]	31-Oct-23	08:46	01-Nov-23	09:09	41.20	38.20	38.50
HCl [Normality]	30-Oct-23	09:30	01-Nov-23	09:09	0.10	0.10	0.10
NaOH [Normality]	30-Oct-23	09:28	01-Nov-23	09:09	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	31-Oct-23	11:04	01-Nov-23	09:09	22.57	17.05	21.99
Final pH [no unit]	31-Oct-23	09:58	01-Nov-23	09:09	1.88	1.79	1.80
NP [t CaCO3/1000 t]	31-Oct-23	11:04	01-Nov-23	09:09	46.8	52.9	41.7
AP [t CaCO3/1000 t]	01-Nov-23	09:10	01-Nov-23	09:10	5.00	5.62	8.12
Net NP [t CaCO3/1000 t]	01-Nov-23	09:10	01-Nov-23	09:10	41.8	47.3	33.6
NP/AP [ratio]	01-Nov-23	09:10	01-Nov-23	09:10	9.36	9.40	5.13
S [%]	24-Oct-23	15:59	25-Oct-23	13:09	0.200	0.215	0.253
Acid Leachable SO4-S [%]	25-Oct-23	13:09	25-Oct-23	13:09	0.04	< 0.04	< 0.04
Sulphide [%]	25-Oct-23	12:27	25-Oct-23	13:09	0.16	0.18	0.26
C [%]	24-Oct-23	15:59	25-Oct-23	13:09	0.649	0.622	0.630
CO3 (HCl) as %CO3 [%]	25-Oct-23	12:39	25-Oct-23	13:09	2.95	2.69	2.67

Analysis	8: ARDG 000797-TIR01C-10045MS50-Kwa-s	9: ARDG 000798-TIR01C-10045MS50-Kwa-s	10: ARDG 000799-TIR01C-10045MS50-Kwa-s
Sample Date & Time	17-Sep-23	17-Sep-23	17-Sep-23
Paste pH [no unit]	9.12	9.07	9.32
Fizz Rate [rating]	3	3	3
Sample weight [g]	2.01	2.02	1.99
HCl_add [mL]	36.70	42.10	39.40
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19328-SEP23**

Analysis	8: ARDG 000797-TIR01C-10045MS50-Kwa-s	9: ARDG 000798-TIR01C-10045MS50-Kwa-s	10: ARDG 000799-TIR01C-10045MS50-Kwa-s
Vol NaOH to pH=8.3 [mL]	21.70	19.77	21.24
Final pH [no unit]	1.81	1.94	1.59
NP [t CaCO3/1000 t]	37.3	55.3	45.6
AP [t CaCO3/1000 t]	5.00	6.88	6.88
Net NP [t CaCO3/1000 t]	32.3	48.4	38.7
NP/AP [ratio]	7.46	8.04	6.63
S [%]	0.197	0.269	0.311
Acid Leachable SO4-S [%]	< 0.04	0.05	0.09
Sulphide [%]	0.16	0.22	0.22
C [%]	0.539	0.782	0.453
CO3 (HCl) as %CO3 [%]	2.25	3.56	1.85

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

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Environment, Health & Safety

OnLine LIMS

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Works #: Waste Rock OP TIR01
Project : PO#1254179

01-November-2023

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Date Rec. : 27 September 2023
LR Report: **CA19326-SEP23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000800-T IR01C-10050MS 18-ksc-wa	6: ARDG-000801-T IR01C-10050MS 18-ksc-wa	7: ARDG-000802-T IR01C-10050MS 18-ksc-wa
Sample Date & Time					19-Sep-23	19-Sep-23	19-Sep-23
Ag [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	< 0.5	< 0.5	< 0.5
Al [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	64000	63000	66000
As [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	920	1300	750
Ba [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	430	420	400
Be [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	1.1	1.1	1.1
Bi [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	0.21	0.30	0.11
Ca [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	19000	19000	17000
Cd [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	0.07	0.14	0.07
Co [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	5.8	6.0	7.7
Cr [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	79	81	57
Cu [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	30	32	32
Fe [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	66000	65000	78000
K [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	12000	12000	11000
Li [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	22	20	26
Mg [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	7400	7000	8100
Mn [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	270	270	310
Mo [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	2.4	2.2	1.6
Ni [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	13	13	16
Pb [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	23	69	46
Sb [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	< 0.8	< 0.8	< 0.8
Se [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	< 0.1	< 0.1	0.2
Sn [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	< 6	< 6	< 6
Sr [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	260	240	230
Ti [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	1500	1500	1700
Tl [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	0.26	0.27	0.22
U [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	0.76	0.72	0.98
V [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	26	26	33
Y [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	3.7	3.5	4.5
Zn [µg/g]	31-Oct-23	00:19	31-Oct-23	16:54	50	54	53

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19326-SEP23**

Analysis	8: ARDG-000803-T IR01C-10050MS 18-Mv	9: ARDG-000804-T IR01C-10050MS 18-Mv	10: ARDG-000805-T IR01C-10050MS 18-Mv	11: ARDG-000806-T IR01C-10050MS 18-Mv	12: ARDG-000807-T IR01C-10050MS 18-Mv	13: ARDG-000808-T IR01C-10050MS 18-Mv	14: ARDG-000809-T IR01C-10050MS 18-Mv
Sample Date & Time	19-Sep-23	20-Sep-23	20-Sep-23	23-Sep-23	23-Sep-23	23-Sep-23	23-Sep-23
Ag [µg/g]	2.1	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	76000	71000	67000	75000	70000	64000	70000
As [µg/g]	55	10	240	210	16	6.5	11
Ba [µg/g]	480	120	60	190	9	67	44
Be [µg/g]	1.2	0.44	0.51	0.57	0.33	0.38	0.34
Bi [µg/g]	0.12	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	18000	73000	68000	67000	93000	91000	80000
Cd [µg/g]	0.08	0.10	0.10	0.13	0.08	0.11	0.06
Co [µg/g]	6.2	42	41	43	46	43	45
Cr [µg/g]	62	130	150	150	130	92	120
Cu [µg/g]	25	83	63	74	110	98	110
Fe [µg/g]	43000	75000	73000	69000	73000	68000	73000
K [µg/g]	14000	4100	3500	5200	280	2300	2100
Li [µg/g]	19	79	81	66	56	67	56
Mg [µg/g]	6300	26000	32000	25000	24000	25000	24000
Mn [µg/g]	240	1500	1300	1500	1900	1900	1600
Mo [µg/g]	1.7	0.3	0.3	0.4	0.4	0.2	0.2
Ni [µg/g]	12	100	100	120	130	120	130
Pb [µg/g]	18	4	6	6	2	3	2
Sb [µg/g]	< 0.8	< 0.8	1.1	< 0.8	0.8	< 0.8	1.2
Se [µg/g]	< 0.1	0.4	0.3	0.2	0.4	0.4	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	360	130	150	140	95	120	110
Ti [µg/g]	1600	2800	1600	1800	2800	710	3600
Tl [µg/g]	0.30	0.25	0.17	0.19	< 0.02	0.11	0.10
U [µg/g]	0.95	0.11	0.11	0.35	0.086	0.11	0.089
V [µg/g]	24	210	190	190	210	170	210
Y [µg/g]	4.1	9.8	5.8	9.9	14	11	14
Zn [µg/g]	47	93	82	90	84	76	84

Analysis	15: ARDG-000810-T IR01C-10050MS 18-Mv	16: ARDG-000811-T IR01C-10050MS 18-Mv
Sample Date & Time	23-Sep-23	23-Sep-23
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	66000	67000
As [µg/g]	5.8	6.0
Ba [µg/g]	110	190
Be [µg/g]	0.31	0.34
Bi [µg/g]	< 0.09	< 0.09
Ca [µg/g]	79000	74000
Cd [µg/g]	0.11	0.10
Co [µg/g]	43	41
Cr [µg/g]	120	130

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19326-SEP23**

Analysis	15: ARDG-000810-TIR01C-10050MS 18-Mv	16: ARDG-000811-TIR01C-10050MS 18-Mv
Cu [µg/g]	93	100
Fe [µg/g]	67000	70000
K [µg/g]	3300	5000
Li [µg/g]	71	59
Mg [µg/g]	27000	29000
Mn [µg/g]	1700	1600
Mo [µg/g]	0.2	0.3
Ni [µg/g]	120	120
Pb [µg/g]	2	2
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	0.4	0.3
Sn [µg/g]	< 6	< 6
Sr [µg/g]	100	99
Ti [µg/g]	580	1300
Tl [µg/g]	0.14	0.19
U [µg/g]	0.067	0.097
V [µg/g]	180	190
Y [µg/g]	7.5	6.3
Zn [µg/g]	72	76

Catharine Arnold

THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
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CHEMIST

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OnLine LIMS

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Works #: Waste Rock OP TIR01
Project : PO#1254179

20-November-2023

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Date Rec. : 27 September 2023
LR Report: **CA19325-SEP23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000800-TIR01C-10050MS1 8-ksc-wa	6: ARDG-000801-TIR01C-10050MS1 8-ksc-wa	7: ARDG-000802-TIR01C-10050MS1 8-ksc-wa	8: ARDG-000803-TIR01C-10050MS 18-Mv
Sample Date & Time					19-Sep-23	19-Sep-23	19-Sep-23	19-Sep-23
Paste pH [no unit]	10-Nov-23	08:15	14-Nov-23	10:39	8.46	8.68	8.50	8.87
Fizz Rate [rating]	09-Nov-23	11:49	14-Nov-23	10:39	3	3	3	3
Sample weight [g]	07-Nov-23	14:38	14-Nov-23	10:39	1.99	2.01	2.00	2.01
HCl_add [mL]	10-Nov-23	09:55	14-Nov-23	10:39	48.80	53.30	49.10	46.60
HCl [Normality]	09-Nov-23	11:53	14-Nov-23	10:39	0.10	0.10	0.10	0.10
NaOH [Normality]	09-Nov-23	11:53	14-Nov-23	10:39	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	10-Nov-23	13:54	14-Nov-23	10:39	24.86	28.99	29.10	23.89
Final pH [no unit]	10-Nov-23	11:51	14-Nov-23	10:39	1.87	1.89	1.93	1.76
NP [t CaCO3/1000 t]	10-Nov-23	13:54	14-Nov-23	10:39	60.2	60.5	50.0	56.5
AP [t CaCO3/1000 t]	24-Oct-23	15:59	14-Nov-23	10:39	6.88	10.0	11.9	3.44
Net NP [t CaCO3/1000 t]	24-Oct-23	15:59	14-Nov-23	10:39	53.3	50.5	38.1	53.1
NP/AP [ratio]	24-Oct-23	15:59	14-Nov-23	10:39	8.76	6.05	4.21	16.4
S [%]	24-Oct-23	15:59	25-Oct-23	13:08	0.240	0.340	0.387	0.159
Acid Leachable SO4-S [%]	25-Oct-23	13:08	25-Oct-23	13:08	< 0.04	< 0.04	< 0.04	0.05
Sulphide [%]	25-Oct-23	12:27	25-Oct-23	13:08	0.22	0.32	0.38	0.11
C [%]	24-Oct-23	15:59	25-Oct-23	13:08	1.00	1.02	0.766	0.917
CO3 (HCl) as %CO3 [%]	25-Oct-23	12:39	25-Oct-23	13:08	4.32	4.32	3.47	3.96

Analysis	9: ARDG-000804-TIR01C-10050MS 18-Mv	10: ARDG-000805-TIR01C-10050MS 18-Mv	11: ARDG-000806-TIR01C-10050MS 18-Mv	12: ARDG-000807-TIR01C-10050MS 18-Mv	13: ARDG-000808-TIR01C-10050MS 18-Mv	14: ARDG-000809-TIR01C-10050MS 18-Mv	15: ARDG-000810-TIR01C-10050MS 18-Mv	16: ARDG-000811-TIR01C-10050MS 18-Mv
Sample Date & Time	20-Sep-23	20-Sep-23	23-Sep-23	23-Sep-23	23-Sep-23	23-Sep-23	23-Sep-23	23-Sep-23
Paste pH [no unit]	8.82	9.11	9.32	8.81	8.88	8.84	8.83	8.63
Fizz Rate [rating]	3	3	3	3	3	3	3	3
Sample weight [g]	2.01	2.02	2.01	2.03	2.00	2.00	2.02	2.03
HCl_add [mL]	157.10	131.50	95.40	126.60	144.10	116.50	120.00	145.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	68.79	94.94	27.33	42.93	46.17	39.56	31.16	93.45
Final pH [no unit]	1.57	1.59	1.93	1.63	1.71	1.76	1.96	1.63
NP [t CaCO3/1000 t]	220	90.5	169	206	245	192	220	127
AP [t CaCO3/1000 t]	5.62	6.88	2.81	2.50	3.75	2.19	3.12	2.50
Net NP [t CaCO3/1000 t]	214	83.6	166	204	241	190	217	124

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19325-SEP23**

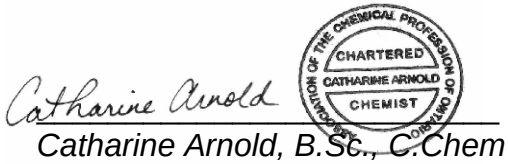
Analysis	9: ARDG-000804-T IR01C-10050MS 18-Mv	10: ARDG-000805-T IR01C-10050MS 18-Mv	11: ARDG-000806-T IR01C-10050MS 18-Mv	12: ARDG-000807-T IR01C-10050MS 18-Mv	13: ARDG-000808-T IR01C-10050MS 18-Mv	14: ARDG-000809-T IR01C-10050MS 18-Mv	15: ARDG-000810-T IR01C-10050MS 18-Mv	16: ARDG-000811-T IR01C-10050MS 18-Mv
NP/AP [ratio]	39.1	13.2	60.2	82.4	65.3	88.0	70.4	50.8
S [%]	0.237	0.280	0.129	0.115	0.146	0.095	0.131	0.129
Acid Leachable SO4-S [%]	0.06	0.06	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.05
Sulphide [%]	0.18	0.22	0.09	0.08	0.12	0.07	0.10	0.08
C [%]	2.84	3.63	2.11	2.57	2.91	2.31	2.68	2.88
CO3 (HCl) as %CO3 [%]	13.5	17.5	10.0	12.4	14.2	11.2	13.0	14.0

ABA - Modified Sobek

*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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SGS Canada Inc.
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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

20-November-2023

Date Rec. : 27 September 2023
LR Report: **CA19327-SEP23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000800 -TIR01C-1005 0MS18-ksc-wa	6: ARDG-000801 -TIR01C-1005 0MS18-ksc-wa	7: ARDG-000802 -TIR01C-1005 0MS18-ksc-wa	8: ARDG-000803 -TIR01C-1005 0MS18-Mv	9: ARDG-000804 -TIR01C-1005 0MS18-Mv	10: ARDG-000805 -TIR01C-1005 0MS18-Mv
Sample Date & Time					19-Sep-23	19-Sep-23	19-Sep-23	19-Sep-23	20-Sep-23	20-Sep-23
Sample weight [g]	27-Oct-23	10:18	30-Oct-23	16:09	250	250	250	250	250	250
Volume D.I. Water [mL]	27-Oct-23	10:18	30-Oct-23	16:09	750	750	750	750	750	750
pH [no unit]	28-Oct-23	08:26	30-Oct-23	16:09	8.26	8.46	8.34	8.58	8.81	8.61
pH [No unit]	28-Oct-23	13:09	14-Nov-23	09:21	8.30	8.45	8.11	8.16	8.14	8.43
Conductivity [uS/cm]	28-Oct-23	13:09	01-Nov-23	10:08	527	477	533	505	273	436
Alkalinity [mg/L as CaCO3]	28-Oct-23	13:09	01-Nov-23	10:08	161	148	145	137	93	178
SO4 [mg/L]	09-Nov-23	11:19	09-Nov-23	14:30	34	26	64	46	16	33
Hg (diss) [mg/L]	02-Nov-23	13:59	03-Nov-23	12:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	0.308	0.408	0.275	0.463	0.354	0.394
As (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	0.0194	0.0554	0.0199	0.0051	0.0005	0.0324
Ba (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	0.0109	0.00882	0.0121	0.00945	0.00086	0.00068
B (diss) [mg/L]	04-Nov-23	20:15	13-Nov-23	12:49	0.034	0.043	0.030	0.030	0.011	0.023
Be (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19327-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000800 -TIR01C-1005 0MS18-ksc-wa	6: ARDG-000801 -TIR01C-1005 0MS18-ksc-wa	7: ARDG-000802 -TIR01C-1005 0MS18-ksc-wa	8: ARDG-000803 -TIR01C-1005 0MS18-Mv	9: ARDG-000804 -TIR01C-1005 0MS18-Mv	10: ARDG-000805 -TIR01C-1005 0MS18-Mv
Ca (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	27.2	21.0	32.6	17.7	11.4	14.2
Cd (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	0.000043	0.000024	0.000043	0.000026	0.000006	0.000085
Cr (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	< 0.0002	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	< 0.007	< 0.007	0.013	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	40.1	43.8	40.8	43.1	4.24	5.97
Li (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	0.0142	0.0178	0.0044	0.0044	0.0007	0.0040
Mg (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	12.0	10.2	13.5	8.60	4.73	19.8
Mn (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	0.00813	0.00621	0.0104	0.00434	0.00165	0.00502
Mo (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:31	0.00293	0.00373	0.00390	0.00334	0.00108	0.00152
Na (diss) [mg/L]	04-Nov-23	20:15	13-Nov-23	12:49	42.8	37.7	32.4	49.6	40.6	58.3
Ni (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.0001	0.0001	0.0002	0.0001	< 0.0001	0.0004
Pb (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.0019	0.0040	0.0020	0.0022	< 0.0009	0.0048
Se (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.00016	0.00024	0.00025	0.00020	0.00035	0.00075
Si (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	1.64	1.56	1.61	1.74	1.17	1.62
Sn (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.202	0.147	0.232	0.164	0.0190	0.0331
Ti (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	< 0.00007	< 0.00007	0.00015	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.000020	0.000020	0.000015	0.000017	0.000005	< 0.000005
U (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.000215	0.000259	0.000250	0.000436	0.000253	0.000194
W (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.00080	0.00172	0.00081	0.00229	0.00037	0.00066
Y (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	0.00011	0.00015	0.00012	0.00020	0.00044	0.00082
Zn (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:32	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19327-SEP23**

Analysis	11: ARDG-000806-TIR01C-10050MS18-Mv	12: ARDG-000807-TIR01C-10050MS18-Mv	13: ARDG-000808-TIR01C-10050MS18-Mv	14: ARDG-000809-TIR01C-10050MS18-Mv	15: ARDG-000810-TIR01C-10050MS18-Mv	16: ARDG-000811-TIR01C-10050MS18-Mv
Sample Date & Time	23-Sep-23	23-Sep-23	23-Sep-23	23-Sep-23	23-Sep-23	23-Sep-23
Sample weight [g]	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	8.90	9.01	8.96	8.97	8.88	8.75
pH [No unit]	7.99	8.00	8.06	8.01	8.23	8.24
Conductivity [uS/cm]	271	213	246	200	201	327
Alkalinity [mg/L as CaCO3]	74	65	72	68	75	120
SO4 [mg/L]	15	7	10	8	7	17
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.853	0.970	0.886	0.990	0.840	0.540
As (diss) [mg/L]	0.0025	0.0007	0.0004	0.0009	0.0006	0.0005
Ba (diss) [mg/L]	0.00415	0.00063	0.0421	0.00172	0.00133	0.00372
B (diss) [mg/L]	0.027	0.011	0.015	0.011	0.013	0.015
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	11.3	12.2	12.5	13.3	13.0	14.3
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000013	0.000011	0.000010	0.000015	0.000009	0.000016
Cr (diss) [mg/L]	0.00037	0.00062	0.00037	0.00046	0.00031	0.00014
Cu (diss) [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	0.007	< 0.007	< 0.007
K (diss) [mg/L]	11.7	0.859	6.10	4.59	7.68	11.9
Li (diss) [mg/L]	0.0018	0.0016	0.0020	0.0017	0.0020	0.0024
Mg (diss) [mg/L]	4.93	5.68	5.82	5.36	5.53	14.5
Mn (diss) [mg/L]	0.00335	0.00341	0.00355	0.00413	0.00381	0.00502
Mo (diss) [mg/L]	0.00152	0.00182	0.00094	0.00108	0.00096	0.00202
Na (diss) [mg/L]	31.1	23.3	27.5	20.1	26.2	27.8
Ni (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009

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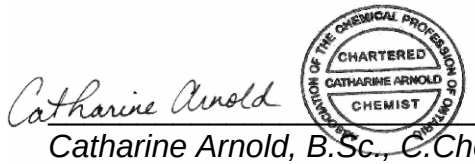
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19327-SEP23**

Analysis	11: ARDG-000806-TIR01C-10050MS18-Mv	12: ARDG-000807-TIR01C-10050MS18-Mv	13: ARDG-000808-TIR01C-10050MS18-Mv	14: ARDG-000809-TIR01C-10050MS18-Mv	15: ARDG-000810-TIR01C-10050MS18-Mv	16: ARDG-000811-TIR01C-10050MS18-Mv
Sb (diss) [mg/L]	0.0015	0.0017	< 0.0009	0.0030	< 0.0009	< 0.0009
Se (diss) [mg/L]	0.00031	0.00011	0.00015	0.00015	0.00010	0.00027
Si (diss) [mg/L]	1.12	0.88	0.90	0.92	0.97	1.25
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0327	0.0165	0.0393	0.0228	0.0303	0.0351
Ti (diss) [mg/L]	0.00011	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	0.000007	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000005
U (diss) [mg/L]	0.00305	0.000099	0.000172	0.000025	0.000031	0.000847
W (diss) [mg/L]	0.00073	0.00220	0.00024	0.00144	0.00059	0.00040
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00099	0.00073	0.00080	0.00083	0.00077	0.00064
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

01-November-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
Canada, X0C 0A0
Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 04 October 2023
LR Report: **CA19009-OCT23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000812-T IR01C-10045MS 52-Kwa-s	6: ARDG-000813-T IR01C-10045MS 52-Kwa-s	7: ARDG-000814-T IR01C-10045MS 52-Kwa-s
Sample Date & Time					27-Sep-23	27-Sep-23	27-Sep-23
Ag [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	< 0.5	< 0.5	< 0.5
Al [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	79000	80000	63000
As [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	57	52	13
Ba [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	610	640	770
Be [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	1.3	1.3	1.1
Bi [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	0.23	0.27	0.30
Ca [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	12000	12000	16000
Cd [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	0.09	0.08	0.09
Co [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	19	18	16
Cr [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	60	57	41
Cu [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	47	44	36
Fe [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	36000	36000	30000
K [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	19000	18000	15000
Li [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	34	35	27
Mg [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	14000	14000	10000
Mn [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	350	330	290
Mo [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	1.6	1.4	1.2
Ni [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	65	64	49
Pb [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	15	15	12
Sb [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	< 0.8	< 0.8	< 0.8
Se [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	0.1	0.1	0.2
Sn [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	< 6	< 6	< 6
Sr [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	300	310	320
Ti [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	790	850	1400
Tl [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	0.43	0.44	0.37
U [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	1.4	1.6	1.5
V [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	76	77	59
Y [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	6.0	6.4	5.7
Zn [µg/g]	31-Oct-23	00:19	31-Oct-23	16:58	72	72	62

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19009-OCT23**

Analysis	8: ARDG-000815-TIR01C-10045MS 52-Kwa-s	9: ARDG-000816-TIR01C-10045MS 52-Kwa-s	10: ARDG-000817-TIR01C-10045MS 52-Kwa-s	11: ARDG-000818-TIR01C-10045MS 52-Kwa-s	12: ARDG-000819-TIR01C-10045MS 52-Kwa-s	13: ARDG-000820-TIR01C-10045MS 52-Kwa-s
Sample Date & Time	27-Sep-23	27-Sep-23	27-Sep-23	27-Sep-23	27-Sep-23	27-Sep-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	83000	85000	72000	67000	76000	73000
As [µg/g]	340	76	44	44	72	37
Ba [µg/g]	800	990	600	570	760	690
Be [µg/g]	1.4	1.4	1.4	1.3	1.4	1.3
Bi [µg/g]	0.23	0.29	0.20	0.24	0.26	0.22
Ca [µg/g]	13000	14000	12000	9200	9600	12000
Cd [µg/g]	0.08	0.13	0.12	0.09	0.08	0.12
Co [µg/g]	20	22	17	19	18	19
Cr [µg/g]	58	71	47	58	99	63
Cu [µg/g]	47	45	40	44	48	40
Fe [µg/g]	38000	42000	34000	38000	40000	34000
K [µg/g]	21000	22000	16000	19000	19000	18000
Li [µg/g]	38	44	37	47	44	34
Mg [µg/g]	14000	16000	13000	14000	15000	12000
Mn [µg/g]	360	390	330	300	360	330
Mo [µg/g]	1.4	1.7	1.6	1.4	1.5	1.5
Ni [µg/g]	66	74	59	68	68	59
Pb [µg/g]	15	16	33	12	17	15
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.2	0.1	0.2	0.2	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	320	310	290	230	290	300
Ti [µg/g]	1000	840	850	730	760	840
Tl [µg/g]	0.48	0.52	0.39	0.46	0.46	0.41
U [µg/g]	1.8	1.8	1.6	1.2	1.7	1.4
V [µg/g]	82	92	69	81	90	72
Y [µg/g]	7.1	7.9	5.3	4.6	5.4	6.1
Zn [µg/g]	77	81	75	78	82	68

Catharine Arnold

CHARTERED CHEMICAL PROFESSION OF ONTARIO CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Meliadine
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Phone: (819) 759-3555
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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

20-November-2023

Date Rec. : 04 October 2023
LR Report: **CA19010-OCT23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000812 -TIR01C-1004 5MS52-Kwa-s	6: ARDG-000813 -TIR01C-1004 5MS52-Kwa-s	7: ARDG-000814 -TIR01C-1004 5MS52-Kwa-s	8: ARDG-000815 -TIR01C-1004 5MS52-Kwa-s	9: ARDG-000816 -TIR01C-1004 5MS52-Kwa-s	10: ARDG-000817 -TIR01C-1004 5MS52-Kwa-s
Sample Date & Time					27-Sep-23	27-Sep-23	27-Sep-23	27-Sep-23	27-Sep-23	27-Sep-23
Sample weight [g]	27-Oct-23	10:18	30-Oct-23	16:09	250	250	250	250	250	250
Volume D.I. Water [mL]	27-Oct-23	10:18	30-Oct-23	16:09	750	750	750	750	750	750
pH [no unit]	28-Oct-23	08:26	30-Oct-23	16:09	9.14	9.16	9.20	9.10	9.16	9.32
pH [No unit]	30-Oct-23	08:21	01-Nov-23	16:34	8.02	7.89	7.85	8.42	8.35	8.59
Conductivity [uS/cm]	30-Oct-23	08:21	01-Nov-23	16:34	237	289	307	263	214	176
Alkalinity [mg/L as CaCO3]	30-Oct-23	08:21	01-Nov-23	16:34	48	48	50	46	51	51
SO4 [mg/L]	09-Nov-23	11:19	09-Nov-23	14:30	58	59	67	50	49	25
Hg (diss) [mg/L]	02-Nov-23	13:59	03-Nov-23	12:13	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:24	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:24	0.537	0.499	0.541	0.593	0.617	0.730
As (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:24	0.103	0.0973	0.0082	0.0909	0.131	0.114
Ba (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:24	0.00292	0.00294	0.00462	0.00315	0.00270	0.00150
B (diss) [mg/L]	04-Nov-23	20:15	13-Nov-23	12:48	0.013	0.013	0.010	0.013	0.010	0.008
Be (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

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Lakefield - Ontario - KOL 2HO
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19010-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000812 -TIR01C-1004 5MS52-Kwa-s	6: ARDG-000813 -TIR01C-1004 5MS52-Kwa-s	7: ARDG-000814 -TIR01C-1004 5MS52-Kwa-s	8: ARDG-000815 -TIR01C-1004 5MS52-Kwa-s	9: ARDG-000816 -TIR01C-1004 5MS52-Kwa-s	10: ARDG-000817 -TIR01C-1004 5MS52-Kwa-s
Ca (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	13.0	13.6	14.0	11.5	11.2	8.52
Cd (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.000003	0.000004	< 0.000003	0.000004	< 0.000003	< 0.000003
Co (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.000067	0.000064	0.000020	0.000032	0.000043	0.000029
Cr (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.0011	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	20.4	19.2	19.8	22.2	20.8	16.7
Li (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.0016	0.0071	0.0020	0.0013	0.0013	0.0013
Mg (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	5.40	5.53	5.93	4.60	4.03	2.82
Mn (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.00229	0.00246	0.00228	0.00129	0.00100	0.00067
Mo (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.00485	0.00620	0.00302	0.00327	0.00288	0.00302
Na (diss) [mg/L]	04-Nov-23	20:15	13-Nov-23	12:48	23.2	22.7	23.2	29.7	19.5	19.2
Ni (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.0003	0.0003	< 0.0001	0.0002	0.0001	0.0001
Pb (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.0048	0.0063	0.0017	0.0050	0.0045	0.0065
Se (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.00099	0.00100	0.00112	0.00074	0.00078	0.00042
Si (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	1.93	1.90	1.97	1.83	1.85	1.93
Sn (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.0613	0.0631	0.0727	0.0611	0.0518	0.0345
Ti (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	< 0.00007	< 0.00007	0.00008	0.00012	0.00009	0.00009
Tl (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.000005	0.000007	0.000010	0.000007	0.000009	< 0.000005
U (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.000341	0.000550	0.00127	0.000790	0.000357	0.000695
W (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.00158	0.00145	0.00317	0.00156	0.00228	0.00182
Y (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	0.00133	0.00119	0.00119	0.00159	0.00192	0.00256
Zn (diss) [mg/L]	04-Nov-23	20:15	09-Nov-23	13:25	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19010-OCT23**

Analysis	11: ARDG-000818 -TIR01C-1004 5MS52-Kwa-s	12: ARDG-000819 -TIR01C-1004 5MS52-Kwa-s	13: ARDG-000820 -TIR01C-1004 5MS52-Kwa-s	14: ARDG-000820 -TIR01C-1004 5MS52-Kwa-s	15:BLK: $D.I. Leachate Blank
Sample Date & Time	27-Sep-23	27-Sep-23	27-Sep-23		
Sample weight [g]	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.34	9.08	8.98	8.98	5.64
pH [No unit]	8.45	8.35	7.82	8.08	5.98
Conductivity [uS/cm]	171	252	373	286	2
Alkalinity [mg/L as CaCO3]	47	48	46	46	2
SO4 [mg/L]	22	48	82	75	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.786	0.541	0.445	0.469	< 0.001
As (diss) [mg/L]	0.0949	0.0521	0.0449	0.0488	< 0.0002
Ba (diss) [mg/L]	0.00167	0.00290	0.00404	0.00407	0.00013
B (diss) [mg/L]	0.009	0.013	0.016	0.016	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	7.52	11.2	16.8	16.3	0.02
Cd (diss) [mg/L]	< 0.000003	< 0.000003	0.000006	0.000003	< 0.000003
Co (diss) [mg/L]	0.000049	0.000038	0.000067	0.000062	< 0.000004
Cr (diss) [mg/L]	0.00011	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	0.0003	< 0.0002	0.0002	< 0.0002	0.0002
Fe (diss) [mg/L]	0.015	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	18.2	20.2	21.2	20.4	0.085
Li (diss) [mg/L]	0.0011	0.0013	0.0017	0.0016	< 0.0001
Mg (diss) [mg/L]	2.10	4.30	6.98	6.66	0.006
Mn (diss) [mg/L]	0.00070	0.00174	0.00354	0.00322	0.00010
Mo (diss) [mg/L]	0.00207	0.00403	0.00712	0.00543	0.00014
Na (diss) [mg/L]	19.2	29.3	32.2	28.9	0.02
Ni (diss) [mg/L]	0.0002	0.0002	0.0003	0.0002	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009

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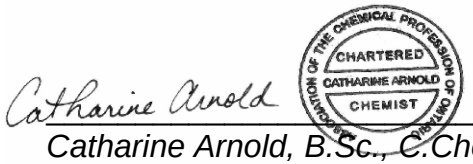
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19010-OCT23**

Analysis	11: ARDG-000818 -TIR01C-1004 5MS52-Kwa-s	12: ARDG-000819 -TIR01C-1004 5MS52-Kwa-s	13: ARDG-000820 -TIR01C-1004 5MS52-Kwa-s	14: ARDG-000820 -TIR01C-1004 5MS52-Kwa-s	15:BLK: $D.I. Leachate Blank
Sb (diss) [mg/L]	0.0063	0.0051	0.0030	0.0032	< 0.0009
Se (diss) [mg/L]	0.00029	0.00032	0.00133	0.00129	< 0.00004
Si (diss) [mg/L]	1.80	1.75	1.88	1.97	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0304	0.0568	0.0845	0.0792	0.00011
Ti (diss) [mg/L]	0.00011	< 0.00007	0.00009	0.00013	< 0.00007
Tl (diss) [mg/L]	< 0.000005	0.000005	0.000010	0.000010	< 0.000005
U (diss) [mg/L]	0.000250	0.000503	0.00238	0.000669	0.000003
W (diss) [mg/L]	0.00134	0.00130	0.00228	0.00192	< 0.00002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00289	0.00120	0.00101	0.00111	< 0.00001
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

31-October-2023

Agnico Eagle Mines Limited
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Date Rec. : 04 October 2023
LR Report: **CA19008-OCT23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000812 -TIR01C-1004 5MS52-Kwa-s	6: ARDG-000813 -TIR01C-1004 5MS52-Kwa-s	7: ARDG-000814 -TIR01C-1004 5MS52-Kwa-s
Sample Date & Time					27-Sep-23	27-Sep-23	27-Sep-23
Paste pH [no unit]	26-Oct-23	12:54	27-Oct-23	16:42	9.15	9.20	9.16
Fizz Rate [rating]	25-Oct-23	09:15	27-Oct-23	16:42	3	3	3
Sample weight [g]	25-Oct-23	06:30	27-Oct-23	16:42	2.00	2.00	2.01
HCl_add [mL]	26-Oct-23	08:52	27-Oct-23	16:42	46.80	38.60	50.40
HCl [Normality]	25-Oct-23	09:37	27-Oct-23	16:42	0.10	0.10	0.10
NaOH [Normality]	25-Oct-23	09:37	27-Oct-23	16:42	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	26-Oct-23	12:30	27-Oct-23	16:42	27.69	20.97	27.46
Final pH [no unit]	26-Oct-23	08:52	27-Oct-23	16:42	1.55	1.66	1.70
NP [t CaCO3/1000 t]	26-Oct-23	12:30	27-Oct-23	16:42	47.8	44.1	57.1
AP [t CaCO3/1000 t]	27-Oct-23	16:43	27-Oct-23	16:43	4.69	4.69	8.12
Net NP [t CaCO3/1000 t]	27-Oct-23	16:43	27-Oct-23	16:43	43.1	39.4	49.0
NP/AP [ratio]	27-Oct-23	16:43	27-Oct-23	16:43	10.2	9.41	7.03
S [%]	26-Oct-23	14:20	26-Oct-23	13:51	0.208	0.196	0.317
Acid Leachable SO4-S [%]	26-Oct-23	13:47	26-Oct-23	13:51	0.06	0.05	0.06
Sulphide [%]	26-Oct-23	12:53	26-Oct-23	13:51	0.15	0.15	0.26
C [%]	26-Oct-23	14:20	26-Oct-23	13:42	0.656	0.632	0.868
CO3 (HCl) as %CO3 [%]	26-Oct-23	12:43	26-Oct-23	13:42	2.83	2.74	3.65

Analysis	8: ARDG-000815 -TIR01C-1004 5MS52-Kwa-s	9: ARDG-000816 -TIR01C-1004 5MS52-Kwa-s	10: ARDG-000817 -TIR01C-1004 5MS52-Kwa-s	11: ARDG-000818 -TIR01C-1004 5MS52-Kwa-s	12: ARDG-000819 -TIR01C-1004 5MS52-Kwa-s	13: ARDG-000820 -TIR01C-1004 5MS52-Kwa-s
Sample Date & Time	27-Sep-23	27-Sep-23	27-Sep-23	27-Sep-23	27-Sep-23	27-Sep-23
Paste pH [no unit]	9.09	9.21	9.30	9.27	9.12	9.12
Fizz Rate [rating]	3	3	3	3	3	3
Sample weight [g]	2.00	2.01	2.00	2.01	2.01	2.03
HCl_add [mL]	49.00	48.70	46.70	39.50	46.50	50.70

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19008-OCT23**

Analysis	8: ARDG-000815 -TIR01C-1004 5MS52-Kwa-s	9: ARDG-000816 -TIR01C-1004 5MS52-Kwa-s	10: ARDG-000817 -TIR01C-1004 5MS52-Kwa-s	11: ARDG-000818 -TIR01C-1004 5MS52-Kwa-s	12: ARDG-000819 -TIR01C-1004 5MS52-Kwa-s	13: ARDG-000820 -TIR01C-1004 5MS52-Kwa-s
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	29.58	28.25	27.71	25.56	27.64	31.04
Final pH [no unit]	1.60	1.69	1.67	1.63	1.62	1.56
NP [t CaCO3/1000 t]	48.5	50.9	47.5	34.7	46.9	48.4
AP [t CaCO3/1000 t]	5.94	5.62	3.44	3.44	4.69	6.88
Net NP [t CaCO3/1000 t]	42.6	45.3	44.1	31.3	42.2	41.5
NP/AP [ratio]	8.17	9.05	13.8	10.1	10.0	7.04
S [%]	0.234	0.263	0.199	0.196	0.232	0.272
Acid Leachable SO4-S [%]	< 0.04	0.08	0.09	0.09	0.08	0.05
Sulphide [%]	0.19	0.18	0.11	0.11	0.15	0.22
C [%]	0.711	0.679	0.649	0.430	0.534	0.649
CO3 (HCl) as %CO3 [%]	2.95	2.93	2.71	1.70	2.20	2.83

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

13-December-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 11 October 2023
LR Report: **CA19131-OCT23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000821-T IR01C-10045MS 53-Kwa-a	6: ARDG-000822-T IR01C-10045MS 53-Kwa-a	7: ARDG-000823-T IR01C-10045MS 53-Kwa-a
Sample Date & Time					29-Sep-23	29-Sep-23	29-Sep-23
Paste pH [no unit]	04-Dec-23	09:34	06-Dec-23	14:55	9.12	9.13	8.82
Fizz Rate [rating]	02-Dec-23	09:13	06-Dec-23	14:55	3	3	3
Sample weight [g]	02-Dec-23	08:21	06-Dec-23	14:55	1.99	2.02	2.03
HCl_add [mL]	05-Dec-23	07:51	06-Dec-23	14:55	25.80	28.80	42.40
HCl [Normality]	04-Dec-23	09:31	06-Dec-23	14:55	0.10	0.10	0.10
NaOH [Normality]	04-Dec-23	09:31	06-Dec-23	14:55	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	05-Dec-23	08:20	06-Dec-23	14:55	15.20	< 0.001	15.81
Final pH [no unit]	05-Dec-23	09:32	06-Dec-23	14:55	1.53	1.57	1.57
NP [t CaCO3/1000 t]	05-Dec-23	08:20	06-Dec-23	14:55	26.6	71.3	65.5
AP [t CaCO3/1000 t]	06-Dec-23	14:55	06-Dec-23	14:55	2.50	2.81	7.19
Net NP [t CaCO3/1000 t]	06-Dec-23	14:55	06-Dec-23	14:55	24.1	68.5	58.3
NP/AP [ratio]	06-Dec-23	06-Dec-23	06-Dec-23	14:55	10.6	25.4	9.11
S [%]	28-Nov-23	16:55	30-Nov-23	10:16	0.167	0.165	0.347
Acid Leachable SO4-S [%]	30-Nov-23	10:16	30-Nov-23	10:16	0.09	0.08	0.12
Sulphide [%]	28-Nov-23	16:50	30-Nov-23	10:16	0.08	0.09	0.23
C [%]	28-Nov-23	16:55	30-Nov-23	10:16	0.447	0.528	0.879
CO3 (HCl) as %CO3 [%]	29-Nov-23	07:16	30-Nov-23	10:16	1.71	2.05	3.95

Analysis	8: ARDG-000824-T IR01C-10045MS 53-Kwa-a	9: ARDG-000825-T IR01C-10045MS 53-Kwa-a	10: ARDG-000826-T IR01C-10045MS 53-Kwa-a
Sample Date & Time	29-Sep-23	29-Sep-23	29-Sep-23
Paste pH [no unit]	8.42	8.89	8.78
Fizz Rate [rating]	3	3	3
Sample weight [g]	2.02	2.02	1.99
HCl_add [mL]	30.30	32.30	33.70
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19131-OCT23**

Analysis	8: ARDG-000824-TIR01C-10045MS 53-Kwa-a	9: ARDG-000825-TIR01C-10045MS 53-Kwa-a	10: ARDG-000826-TIR01C-10045MS 53-Kwa-a
Vol NaOH to pH=8.3 [mL]	20.30	13.77	17.55
Final pH [no unit]	1.69	1.57	1.59
NP [t CaCO3/1000 t]	24.7	45.9	40.6
AP [t CaCO3/1000 t]	10.0	5.00	4.69
Net NP [t CaCO3/1000 t]	14.7	40.9	35.9
NP/AP [ratio]	2.47	9.18	8.66
S [%]	0.403	0.246	0.277
Acid Leachable SO4-S [%]	0.08	0.09	0.13
Sulphide [%]	0.32	0.16	0.15
C [%]	0.691	0.579	0.532
CO3 (HCl) as %CO3 [%]	2.95	2.29	2.29

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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20-December-2023

Agnico Eagle Mines Limited
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, Nunavut
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Date Rec. : 11 October 2023
LR Report: **CA19133-OCT23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000821 -TIR01C-1004 5MS53-Kwa-a	6: ARDG-000822 -TIR01C-1004 5MS53-Kwa-a	7: ARDG-000823 -TIR01C-1004 5MS53-Kwa-a
Sample Date & Time					29-Sep-23	29-Sep-23	29-Sep-23
Sample weight [g]	14-Dec-23	09:27	15-Dec-23	10:48	249	249	249
Volume D.I. Water [mL]	14-Dec-23	09:27	15-Dec-23	10:48	750	750	750
pH [no unit]	14-Dec-23	09:27	15-Dec-23	10:48	9.38	9.40	9.13
pH [No unit]	15-Dec-23	14:19	18-Dec-23	11:27	7.99	8.02	7.82
Conductivity [uS/cm]	15-Dec-23	14:19	18-Dec-23	11:27	211	216	310
Alkalinity [mg/L as CaCO3]	15-Dec-23	14:19	18-Dec-23	11:27	57	60	41
SO4 [mg/L]	18-Dec-23	10:20	20-Dec-23	12:42	24	23	73
Hg (diss) [mg/L]	19-Dec-23	07:35	19-Dec-23	16:05	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.510	0.365	0.531
As (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.133	0.141	0.0056
Ba (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00255	0.00242	0.00791
B (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.042	0.049	0.008
Be (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	6.08	5.02	15.7
Cd (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.000063	0.000104	0.000017
Cr (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00044	0.00063	0.00009
Cu (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.0007	0.0006	< 0.0002
Fe (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.018	0.033	< 0.007
K (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	14.4	16.0	21.7
Li (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.0012	0.0013	0.0019
Mg (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	1.52	1.38	5.14
Mn (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00047	0.00070	0.00162
Mo (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00451	0.00564	0.00481
Na (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	21.6	24.5	17.9
Ni (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.0004	0.0003	0.0002

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mel
Works #: Waste rock OP TIR01
Project : PO#1254179
LR Report : **CA19133-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000821 -TIR01C-1004 5MS53-Kwa-a	6: ARDG-000822 -TIR01C-1004 5MS53-Kwa-a	7: ARDG-000823 -TIR01C-1004 5MS53-Kwa-a
Pb (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.0081	0.0083	0.0086
Se (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00033	0.00044	0.00113
Si (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	2.03	2.30	1.88
Sn (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.0275	0.0234	0.0780
Ti (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00067	0.00217	< 0.00007
Tl (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.000005	< 0.000005	0.000013
U (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.000306	0.000205	0.000514
W (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00288	0.00372	0.00276
Y (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00005	0.00008	< 0.00002
V (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00321	0.00249	0.00130
Zn (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000824 -TIR01C-1004 5MS53-Kwa-a	9: ARDG-000825 -TIR01C-1004 5MS53-Kwa-a	10: ARDG-000826 -TIR01C-1004 5MS53-Kwa-a
Sample Date & Time	29-Sep-23	29-Sep-23	29-Sep-23
Sample weight [g]	250	249	248
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.57	9.14	8.89
pH [No unit]	7.89	7.76	7.71
Conductivity [uS/cm]	997	284	490
Alkalinity [mg/L as CaCO3]	45	43	42
SO4 [mg/L]	110	43	64
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.272	0.584	0.413
As (diss) [mg/L]	0.0203	0.0309	0.0303
Ba (diss) [mg/L]	0.0198	0.00350	0.00523
B (diss) [mg/L]	0.015	0.008	0.010
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	47.7	11.8	20.3
Cd (diss) [mg/L]	0.000006	< 0.000003	0.000003
Co (diss) [mg/L]	0.000279	0.000040	0.000094
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	0.0009	0.0002	0.0003
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	22.9	17.9	22.6
Li (diss) [mg/L]	0.0041	0.0012	0.0016
Mg (diss) [mg/L]	14.6	3.02	5.66

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mel
Works #: Waste rock OP TIR01
Project : PO#1254179
LR Report : **CA19133-OCT23**

Analysis	8: ARDG-000824 -TIR01C-1004 5MS53-Kwa-a	9: ARDG-000825 -TIR01C-1004 5MS53-Kwa-a	10: ARDG-000826 -TIR01C-1004 5MS53-Kwa-a
Mn (diss) [mg/L]	0.0180	0.00096	0.00199
Mo (diss) [mg/L]	0.00587	0.00296	0.00829
Na (diss) [mg/L]	87.8	22.7	44.3
Ni (diss) [mg/L]	0.0007	0.0002	0.0004
Pb (diss) [mg/L]	0.00010	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0031	0.0074	0.0054
Se (diss) [mg/L]	0.00077	0.00027	0.00051
Si (diss) [mg/L]	1.50	1.77	1.69
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.385	0.0609	0.124
Ti (diss) [mg/L]	< 0.00007	0.00009	< 0.00007
Tl (diss) [mg/L]	0.000022	0.000006	0.000006
U (diss) [mg/L]	0.000665	0.000248	0.000309
W (diss) [mg/L]	0.00283	0.00184	0.00147
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00019	0.00136	0.00078
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

29-November-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 11 October 2023
LR Report: **CA19132-OCT23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000821-T IR01C-10045MS 53-Kwa-a	6: ARDG-000822-T IR01C-10045MS 53-Kwa-a	7: ARDG-000823-T IR01C-10045MS 53-Kwa-a
Sample Date & Time					29-Sep-23	29-Sep-23	29-Sep-23
Ag [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	< 0.5	< 0.5	< 0.5
Al [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	64000	63000	73000
As [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	35	43	18
Ba [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	680	740	630
Be [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	1.2	1.2	1.1
Bi [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	0.21	0.21	0.19
Ca [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	9000	9900	17000
Cd [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	0.09	0.08	0.09
Co [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	19	19	20
Cr [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	70	67	65
Cu [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	65	65	49
Fe [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	38000	37000	39000
K [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	21000	21000	20000
Li [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	41	41	32
Mg [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	14000	13000	11000
Mn [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	230	240	270
Mo [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	1.4	1.4	1.6
Ni [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	68	65	62
Pb [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	10	10	12
Sb [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	< 0.8	< 0.8	< 0.8
Se [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	0.1	0.1	0.2
Sn [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	< 6	< 6	< 6
Sr [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	260	280	260
Ti [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	1700	1600	2800
Tl [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	0.44	0.43	0.42
U [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	0.92	1.5	1.3
V [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	82	80	76
Y [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	4.0	4.9	5.4
Zn [µg/g]	29-Nov-23	00:59	29-Nov-23	12:37	71	69	59

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0003548412

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P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19132-OCT23**

Analysis	8: ARDG-000824-TIR01C-10045MS 53-Kwa-a	9: ARDG-000825-TIR01C-10045MS 53-Kwa-a	10: ARDG-000826-TIR01C-10045MS 53-Kwa-a
Sample Date & Time	29-Sep-23	29-Sep-23	29-Sep-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	78000	81000	67000
As [µg/g]	790	37	53
Ba [µg/g]	820	660	720
Be [µg/g]	1.4	1.4	1.2
Bi [µg/g]	0.41	0.15	0.15
Ca [µg/g]	14000	13000	12000
Cd [µg/g]	0.09	0.05	0.07
Co [µg/g]	18	20	19
Cr [µg/g]	62	77	69
Cu [µg/g]	54	45	46
Fe [µg/g]	57000	55000	44000
K [µg/g]	21000	20000	19000
Li [µg/g]	39	48	41
Mg [µg/g]	13000	15000	14000
Mn [µg/g]	300	360	320
Mo [µg/g]	3.4	1.2	1.3
Ni [µg/g]	59	71	63
Pb [µg/g]	90	8	13
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.1	0.1
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	300	270	310
Ti [µg/g]	1900	3200	1700
Tl [µg/g]	0.45	0.41	0.38
U [µg/g]	1.8	1.7	1.6
V [µg/g]	76	94	77
Y [µg/g]	7.0	7.0	5.9
Zn [µg/g]	74	77	77

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003548412

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

20-December-2023

Agnico Eagle Mines Limited
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Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 23 October 2023
LR Report: **CA19236-OCT23**
Reference: Meliadine - PO#:1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000827 -TIR01C-1004 5MS55-Kwa-s	6: ARDG-000828 -TIR01C-1004 5MS55-Kwa-s	7: ARDG-000829 -TIR01C-1004 5MS55-Kwa-s
Sample Date & Time					04-Oct-23	04-Oct-23	04-Oct-23
Sample weight [g]	14-Dec-23	09:27	15-Dec-23	10:48	250	250	250
Volume D.I. Water [mL]	14-Dec-23	09:27	15-Dec-23	10:48	750	750	750
pH [no unit]	14-Dec-23	09:27	15-Dec-23	10:48	9.10	9.16	9.35
pH [No unit]	15-Dec-23	14:19	18-Dec-23	11:28	7.75	7.76	7.81
Conductivity [uS/cm]	15-Dec-23	14:19	18-Dec-23	11:28	268	271	234
Alkalinity [mg/L as CaCO3]	15-Dec-23	14:19	18-Dec-23	11:28	42	44	47
SO4 [mg/L]	18-Dec-23	10:20	18-Dec-23	13:41	38	36	35
Hg (diss) [mg/L]	19-Dec-23	07:35	19-Dec-23	16:04	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.560	0.560	0.614
As (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.0909	0.0969	0.147
Ba (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.00372	0.00352	0.00226
B (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.014	0.014	0.010
Be (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	11.2	10.8	7.98
Cd (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.000037	0.000039	0.000025
Cr (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.0003	0.0003	< 0.0002
Fe (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	17.0	16.0	19.4
Li (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.0011	0.0012	0.0011
Mg (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	3.37	3.45	2.41
Mn (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.00146	0.00156	0.00103
Mo (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.0105	0.00707	0.00861
Na (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	20.6	22.6	19.3
Ni (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.0003	0.0003	0.0001

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19236-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000827 -TIR01C-1004 5MS55-Kwa-s	6: ARDG-000828 -TIR01C-1004 5MS55-Kwa-s	7: ARDG-000829 -TIR01C-1004 5MS55-Kwa-s
Pb (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.0052	0.0053	0.0059
Se (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.00023	0.00022	0.00042
Si (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	1.62	1.72	1.81
Sn (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.0592	0.0588	0.0406
Ti (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.00009	< 0.00007	0.00008
Tl (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.000006	0.000007	< 0.000005
U (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.000103	0.000125	0.000201
W (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.00217	0.00233	0.00279
Y (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.00139	0.00139	0.00240
Zn (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000830 -TIR01C-1004 5MS55-Kwa-s	9: ARDG-000831 -TIR01C-1004 5MS55-Kwa-s	10: ARDG-000832 -TIR01C-1004 5MS55-Kwa-s	11: ARDG-000833 -TIR01C-1004 5MS55-Kwa-s	12: ARDG-000834 -TIR01C-1004 5MS55-Kwa-s	13:BLK: $D.I. Leachate Blank
Sample Date & Time	04-Oct-23	04-Oct-23	04-Oct-23	04-Oct-23	04-Oct-23	
Sample weight [g]	250	251	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	---
pH [no unit]	9.22	9.26	9.38	9.29	9.60	5.62
pH [No unit]	7.80	7.81	7.87	7.67	7.86	7.20
Conductivity [uS/cm]	233	269	212	236	279	11
Alkalinity [mg/L as CaCO3]	45	43	48	45	50	5
SO4 [mg/L]	41	56	26	39	39	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.590	0.576	0.767	0.635	0.585	< 0.001
As (diss) [mg/L]	0.0549	0.111	0.124	0.0564	0.0957	< 0.0002
Ba (diss) [mg/L]	0.00236	0.00254	0.00270	0.00428	0.00310	< 0.00008
B (diss) [mg/L]	0.007	0.008	0.009	0.008	0.008	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	10.3	10.9	7.19	9.15	9.30	0.04
Cd (diss) [mg/L]	0.000003	0.000003	< 0.000003	< 0.000003	0.000005	0.000003
Co (diss) [mg/L]	0.000028	0.000034	0.000032	0.000034	0.000037	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.0002	< 0.0002	0.0003	0.0004	0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16.7	16.9	17.4	16.5	19.4	0.077
Li (diss) [mg/L]	0.0012	0.0016	0.0011	0.0015	0.0015	< 0.0001
Mg (diss) [mg/L]	3.12	3.57	2.09	2.72	3.32	0.003

OnLine LIMS

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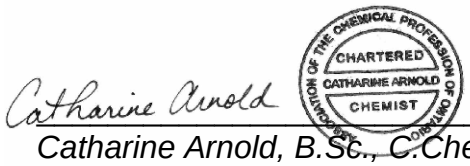
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19236-OCT23**

Analysis	8: ARDG-000830 -TIR01C-1004 5MS55-Kwa-s	9: ARDG-000831 -TIR01C-1004 5MS55-Kwa-s	10: ARDG-000832 -TIR01C-1004 5MS55-Kwa-s	11: ARDG-000833 -TIR01C-1004 5MS55-Kwa-s	12: ARDG-000834 -TIR01C-1004 5MS55-Kwa-s	13:BLK: $D.I. Leachate Blank
Mn (diss) [mg/L]	0.00135	0.00150	0.00070	0.00113	0.00123	0.00021
Mo (diss) [mg/L]	0.00964	0.00629	0.00394	0.00477	0.00923	0.00342
Na (diss) [mg/L]	16.4	19.3	17.1	18.3	23.9	< 0.01
Ni (diss) [mg/L]	0.0001	0.0002	0.0002	0.0002	0.0002	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0042	0.0038	0.0067	0.0043	0.0045	< 0.0009
Se (diss) [mg/L]	0.00046	0.00056	0.00036	0.00044	0.00038	< 0.00004
Si (diss) [mg/L]	1.64	1.99	1.78	1.90	1.78	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0469	0.0505	0.0375	0.0430	0.0485	0.00011
Ti (diss) [mg/L]	0.00011	< 0.00007	0.00008	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	0.000007	< 0.000005	< 0.000005	< 0.000005	0.000006	< 0.000005
U (diss) [mg/L]	0.000158	0.000387	0.000174	0.000227	0.000226	0.000034
W (diss) [mg/L]	0.00194	0.00374	0.00199	0.00363	0.00275	< 0.00002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00137	0.00215	0.00277	0.00205	0.00196	< 0.00001
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003569349

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mel
Works #: Waste Rock OP TIRO1
Project : PO#1254179

13-December-2023

Agnico Eagle Mines Limited
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Meliadine
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Phone: (819) 759-3555
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Date Rec. : 23 October 2023
LR Report: **CA19234-OCT23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000827 -TIR01C-1004 5MS55-Kwa-s	6: ARDG-000828 -TIR01C-1004 5MS55-Kwa-s	7: ARDG-000829 -TIR01C-1004 5MS55-Kwa-s
Sample Date & Time					04-Oct-23	04-Oct-23	04-Oct-23
Paste pH [no unit]	12-Dec-23	12:19	13-Dec-23	08:42	9.07	9.03	9.18
Fizz Rate [rating]	11-Dec-23	09:01	13-Dec-23	08:42	2	3	3
Sample weight [g]	08-Dec-23	15:32	13-Dec-23	08:42	2.00	2.03	1.99
HCl_add [mL]	12-Dec-23	09:18	13-Dec-23	08:42	264.10	28.30	35.10
HCl [Normality]	11-Dec-23	09:31	13-Dec-23	08:42	0.10	0.10	0.10
NaOH [Normality]	11-Dec-23	09:31	13-Dec-23	08:42	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12-Dec-23	16:03	13-Dec-23	08:42	109	14.27	19.04
Final pH [no unit]	12-Dec-23	09:30	13-Dec-23	08:42	1.65	1.82	1.63
NP [t CaCO3/1000 t]	12-Dec-23	16:03	13-Dec-23	08:42	387	34.6	40.4
AP [t CaCO3/1000 t]	12-Dec-23	16:03	13-Dec-23	08:42	4.38	5.00	4.06
Net NP [t CaCO3/1000 t]	12-Dec-23	16:03	13-Dec-23	08:42	383	29.6	36.3
NP/AP [ratio]	12-Dec-23	16:03	13-Dec-23	08:42	88.5	6.92	9.94
S [%]	24-Nov-23	09:52	27-Nov-23	11:05	0.219	0.225	0.195
Acid Leachable SO4-S [%]	27-Nov-23	11:05	27-Nov-23	11:05	0.08	0.06	0.06
Sulphide [%]	27-Nov-23	12:53	27-Nov-23	11:05	0.14	0.16	0.13
C [%]	24-Nov-23	09:52	27-Nov-23	08:42	0.488	0.551	0.621
CO3 (HCl) as %CO3 [%]	27-Nov-23	08:22	27-Nov-23	08:42	1.96	2.31	2.69

Analysis	8: ARDG-000830 -TIR01C-1004 5MS55-Kwa-s	9: ARDG-000831 -TIR01C-1004 5MS55-Kwa-s	10: ARDG-000832 -TIR01C-1004 5MS55-Kwa-s	11: ARDG-000833 -TIR01C-1004 5MS55-Kwa-s	12: ARDG-000834 -TIR01C-1004 5MS55-Kwa-s
Sample Date & Time	04-Oct-23	04-Oct-23	04-Oct-23	04-Oct-23	04-Oct-23
Paste pH [no unit]	9.15	9.16	9.19	9.19	9.13
Fizz Rate [rating]	3	3	3	3	3
Sample weight [g]	2.03	1.99	2.00	2.03	2.00
HCl_add [mL]	33.00	35.40	28.00	27.60	33.80

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0003562470

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mel
Works #: Waste Rock OP TIRO1
Project : PO#1254179
LR Report : **CA19234-OCT23**

Analysis	8: ARDG-000830 -TIR01C-1004 5MS55-Kwa-s	9: ARDG-000831 -TIR01C-1004 5MS55-Kwa-s	10: ARDG-000832 -TIR01C-1004 5MS55-Kwa-s	11: ARDG-000833 -TIR01C-1004 5MS55-Kwa-s	12: ARDG-000834 -TIR01C-1004 5MS55-Kwa-s
HCl [Normality]	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17.41	17.88	13.22	11.19	17.86
Final pH [no unit]	1.64	1.70	1.91	1.98	1.65
NP [t CaCO3/1000 t]	38.4	44.0	37.0	40.4	39.9
AP [t CaCO3/1000 t]	6.25	5.94	4.06	5.00	4.38
Net NP [t CaCO3/1000 t]	32.2	38.1	32.9	35.4	35.5
NP/AP [ratio]	6.14	7.41	9.11	8.08	9.12
S [%]	0.272	0.241	0.186	0.225	0.198
Acid Leachable SO4-S [%]	0.07	0.05	0.06	0.06	0.06
Sulphide [%]	0.20	0.19	0.13	0.16	0.14
C [%]	0.570	0.657	0.565	0.600	0.624
CO3 (HCl) as %CO3 [%]	2.54	2.81	2.39	2.65	2.69

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

20-December-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 23 October 2023
LR Report: **CA19235-OCT23**
Reference: Meliadine - PO#:1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000827-TIR01C-10045MS5 5-Kwa-s	6: ARDG-000828-TIR01C-10045MS5 5-Kwa-s	7: ARDG-000829-TIR01C-10045MS5 5-Kwa-s	8: ARDG-000830-TIR01C-10045MS5 5-Kwa-s	9: ARDG-000831-TIR01C-10045MS5 5-Kwa-s
Sample Date & Time					04-Oct-23	04-Oct-23	04-Oct-23	04-Oct-23	04-Oct-23
Ag [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	69000	67000	73000	69000	71000
As [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	78	88	66	170	67
Ba [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	800	770	640	670	570
Be [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	1.4	1.3	1.3	1.4	1.3
Bi [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	0.20	0.24	0.18	0.68	0.19
Ca [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	8200	8700	11000	9600	12000
Cd [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	0.10	0.10	0.12	0.09	0.10
Co [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	24	22	21	24	20
Cr [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	127	172	176	179	183
Cu [µg/g]	15-Dec-23	19:53	20-Dec-23	13:06	55	53	53	64	49
Fe [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	43000	40000	41000	46000	35000
K [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	20000	19000	21000	22000	18000
Li [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	45	43	44	51	37
Mg [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	16000	15000	16000	17000	13000
Mn [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	320	330	410	360	330
Mo [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	1.7	1.7	1.7	1.7	1.6
Ni [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	81	77	75	86	65
Pb [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	21	25	17	48	12
Sb [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	0.3	0.4	0.4	0.4	0.3
Sn [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	260	260	260	230	280
Ti [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	910	840	900	890	820
Tl [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	0.50	0.48	0.50	0.54	0.42
U [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	1.8	1.8	1.7	1.9	1.6
V [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	100	99	100	120	85
Y [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	4.7	4.7	5.1	4.8	5.5
Zn [µg/g]	15-Dec-23	19:53	20-Dec-23	13:07	93	87	85	97	76

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19235-OCT23**

Analysis	10: ARDG-000832-TIR01C-10045MS5-Kwa-s	11: ARDG-000833-TIR01C-10045MS5-Kwa-s	12: ARDG-000834-TIR01C-10045MS5-Kwa-s
Sample Date & Time	04-Oct-23	04-Oct-23	04-Oct-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	63000	70000	67000
As [µg/g]	52	31	200
Ba [µg/g]	790	620	790
Be [µg/g]	1.5	1.3	1.4
Bi [µg/g]	0.22	0.15	0.22
Ca [µg/g]	9400	12000	10000
Cd [µg/g]	0.09	0.11	0.12
Co [µg/g]	24	20	21
Cr [µg/g]	99	90	87
Cu [µg/g]	54	46	48
Fe [µg/g]	42000	36000	39000
K [µg/g]	22000	18000	20000
Li [µg/g]	47	40	44
Mg [µg/g]	16000	13000	15000
Mn [µg/g]	350	360	320
Mo [µg/g]	1.8	1.5	1.7
Ni [µg/g]	81	66	74
Pb [µg/g]	14	11	22
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	250	290	270
Ti [µg/g]	930	770	900
Tl [µg/g]	0.55	0.41	0.49
U [µg/g]	1.7	1.4	1.7
V [µg/g]	98	79	91
Y [µg/g]	4.2	5.2	4.9
Zn [µg/g]	90	81	91

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: Waste Rock OP TIR01
Project : PO#1254179

20-December-2023

Agnico Eagle Mines Limited
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Date Rec. : 18 October 2023
LR Report: **CA19214-OCT23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00835-TIR01C-10050 MS19-Mv	6: ARDG-00836-TIR01C-10050 MS19-Mv	7: ARDG-00837-TIR01C-10050 MS19-Mv
Sample Date & Time					09-Oct-23	09-Oct-23	09-Oct-23
Sample weight [g]	14-Dec-23	09:27	15-Dec-23	10:48	250	250	251
Volume D.I. Water [mL]	14-Dec-23	09:27	15-Dec-23	10:48	750	750	750
pH [no unit]	14-Dec-23	09:27	15-Dec-23	10:48	9.62	9.07	8.82
pH [No unit]	15-Dec-23	14:19	18-Dec-23	11:28	7.67	8.04	7.94
Conductivity [uS/cm]	15-Dec-23	14:19	18-Dec-23	11:28	82	288	1170
Alkalinity [mg/L as CaCO3]	15-Dec-23	14:19	18-Dec-23	11:28	34	71	70
SO4 [mg/L]	18-Dec-23	10:20	18-Dec-23	13:41	3	39	95
Hg (diss) [mg/L]	19-Dec-23	07:35	19-Dec-23	16:04	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.448	0.530	0.292
As (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.0023	0.0101	0.0539
Ba (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.00036	0.00071	0.00829
B (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.004	0.014	0.019
Be (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	6.10	11.2	29.2
Cd (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.000003	< 0.000003	0.000003
Co (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.000005	0.000039	0.000368
Cr (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.0002	0.0006	0.0003
Fe (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	1.40	4.34	19.2
Li (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	0.0014	0.0028	0.0053
Mg (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:04	1.99	6.65	23.4
Mn (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00211	0.00358	0.0117
Mo (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00048	0.00308	0.00769
Na (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	5.30	28.3	133
Ni (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.0001	0.0002	0.0012

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19214-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00835-TIR01C-10050 MS19-Mv	6: ARDG-00836-TIR01C-10050 MS19-Mv	7: ARDG-00837-TIR01C-10050 MS19-Mv
Pb (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.0010	0.0057	0.0025
Se (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00027	0.00191	0.00604
Si (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.43	1.30	1.58
Sn (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00562	0.0145	0.128
Ti (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.000005	< 0.000005	0.000015
U (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.000005	0.000069	0.000108
W (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00027	0.00176	0.00303
Y (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	0.00051	0.00095	0.00083
Zn (diss) [mg/L]	18-Dec-23	12:00	19-Dec-23	16:05	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-00838-TIR01C-10050 MS19-Mv	9: ARDG-00839-TIR01C-10050 MS19-Mv	10: ARDG-00840-TIR01C-10050 MS19-Mv	11: ARDG-00841-TIR01C-10050 MS19-Mv	12: ARDG-00842-TIR01C-10050 MS19-Mv	13: ARDG-00842-TIR01C-10050 MS19-Mv
Sample Date & Time	09-Oct-23	09-Oct-23	09-Oct-23	09-Oct-23	09-Oct-23	
Sample weight [g]	250	250	251	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	---
pH [no unit]	8.82	8.90	8.81	9.04	8.96	---
pH [No unit]	7.97	7.95	7.92	7.80	7.95	7.97
Conductivity [uS/cm]	432	289	654	214	336	310
Alkalinity [mg/L as CaCO3]	77	73	64	50	67	68
SO4 [mg/L]	96	55	63	17	55	46
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.304	0.480	0.375	0.382	0.485	0.515
As (diss) [mg/L]	0.0412	0.0157	0.0475	0.0014	0.0143	0.0104
Ba (diss) [mg/L]	0.168	0.00168	0.0651	0.00218	0.00381	0.00336
B (diss) [mg/L]	0.012	0.013	0.017	0.011	0.016	0.015
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	31.4	14.0	20.9	10.9	14.3	13.5
Cd (diss) [mg/L]	0.000003	< 0.000003	0.000004	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000229	0.000077	0.000163	0.000005	0.000058	0.000050
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	0.0009	< 0.0002	0.0003	< 0.0002	0.0006	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	17.1	3.33	12.2	4.52	3.48	3.18
Li (diss) [mg/L]	0.0057	0.0037	0.0036	0.0013	0.0034	0.0034
Mg (diss) [mg/L]	14.1	8.57	12.9	3.57	8.79	8.12

OnLine LIMS

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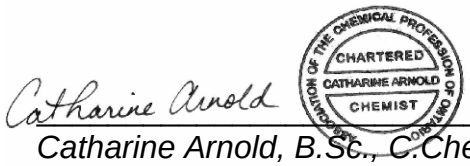
SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19214-OCT23**

Analysis	8: ARDG-00838-TIR01C-10050 MS19-Mv	9: ARDG-00839-TIR01C-10050 MS19-Mv	10: ARDG-00840-TIR01C-10050 MS19-Mv	11: ARDG-00841-TIR01C-10050 MS19-Mv	12: ARDG-00842-TIR01C-10050 MS19-Mv	13: ARDG-00842-TIR01C-10050 MS19-Mv
Mn (diss) [mg/L]	0.00883	0.00561	0.00712	0.00191	0.00536	0.00484
Mo (diss) [mg/L]	0.00379	0.00663	0.00483	0.00184	0.00296	0.00235
Na (diss) [mg/L]	22.8	24.5	67.6	19.1	32.0	28.6
Ni (diss) [mg/L]	0.0010	0.0003	0.0007	0.0001	0.0003	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00011	< 0.00009
Sb (diss) [mg/L]	0.0027	0.0038	0.0017	< 0.0009	0.0017	0.0016
Se (diss) [mg/L]	0.00365	0.00390	0.00210	0.00041	0.00244	0.00208
Si (diss) [mg/L]	1.76	1.43	1.56	1.24	1.46	1.46
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00008	< 0.00006
Sr (diss) [mg/L]	4.26	0.0246	0.349	0.0343	0.0184	0.0174
Ti (diss) [mg/L]	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	0.000013	< 0.000005	0.000010	0.000007	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000223	0.000065	0.000108	0.000031	0.000147	0.000113
W (diss) [mg/L]	0.00284	0.00182	0.00185	0.00111	0.00360	0.00304
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00114	0.00085	0.00106	0.00070	0.00099	0.00089
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.014	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

04-January-2024

Date Rec. : 18 October 2023
LR Report: **CA19213-OCT23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00835-TI R01C-10050MS 19-Mv	6: ARDG-00836-TI R01C-10050MS 19-Mv	7: ARDG-00837-TI R01C-10050MS 19-Mv	8: ARDG-00838-TI R01C-10050MS 19-Mv	9: ARDG-00839-TI R01C-10050MS 19-Mv	10: ARDG-00840-TI R01C-10050MS 19-Mv	11: ARDG-00841-TI R01C-10050MS 19-Mv	12: ARDG-00842-TI R01C-10050MS 19-Mv
Sample Date & Time					09-Oct-23	09-Oct-23	09-Oct-23	09-Oct-23	09-Oct-23	09-Oct-23	09-Oct-23	09-Oct-23
Silver [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aluminum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	79000	80000	80000	77000	80000	80000	81000	80000
Arsenic [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	33	33	70	81	44	89	8.4	31
Barium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	89	91	160	650	87	360	42	100
Beryllium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.53	0.50	0.54	1.0	0.41	0.81	0.51	0.45
Bismuth [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 0.09	< 0.09	0.45	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	92000	92000	92000	89000	99000	100000	90000	100000
Cadmium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.12	0.13	0.14	0.16	0.23	0.19	0.09	0.17
Cobalt [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	46	46	50	46	48	48	54	51
Chromium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	95	120	110	110	100	100	120	110
Copper [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	96	93	116	106	109	100	123	108
Iron [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	60000	61000	65000	60000	63000	63000	78000	63000
Potassium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	6900	6800	12000	12000	5900	13000	3300	6300
Lithium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	63	60	46	35	46	38	91	53
Magnesium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	26000	27000	30000	30000	25000	30000	40000	26000
Manganese [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	1700	1800	1900	1900	2000	2100	1700	2000
Molybdenum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.2	0.2	0.3	0.4	0.2	0.4	0.2	0.2
Nickel [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	130	130	130	150	130	140	130	130
Lead [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	5	5	35	17	8	11	5	6

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19213-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00835-TI R01C-10050MS 19-Mv	6: ARDG-00836-TI R01C-10050MS 19-Mv	7: ARDG-00837-TI R01C-10050MS 19-Mv	8: ARDG-00838-TI R01C-10050MS 19-Mv	9: ARDG-00839-TI R01C-10050MS 19-Mv	10: ARDG-00840-TI R01C-10050MS 19-Mv	11: ARDG-00841-TI R01C-10050MS 19-Mv	12: ARDG-00842-TI R01C-10050MS 19-Mv
Antimony [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.4	0.3	0.4	0.5	0.4	0.4	0.5	0.3
Tin [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Strontium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	120	120	150	330	130	180	130	110
Titanium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	2500	2500	2600	2600	2900	2600	920	2900
Thallium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.27	0.25	0.35	0.43	0.19	0.41	0.17	0.21
Uranium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.085	0.10	0.071	0.36	0.081	0.18	0.44	0.12
Vanadium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	210	220	220	220	230	230	240	220
Yttrium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	6.1	6.5	5.0	5.8	4.6	6.2	10.0	4.5
Zinc [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	76	77	72	82	87	77	89	71

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8

Chris Sullivan

Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19213-OCT23**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
**QCR_SubCategory* - QCBatchID: EMS0005-JAN24*													
Calcium	3	µg/g	<3			1		109			104		
Potassium	3	µg/g	<3			3		93			101		
Metals - Microwave/ICP-MS - QCBatchID: EMS0005-JAN24													
Aluminum	3	µg/g	<3			3	20	108	70	130	112	70	130
Antimony	0.8	µg/g	<0.8			0	20	109	70	130	119	70	130
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	97	70	130
Barium	0.01	µg/g	<0.01			3	20	94	70	130	105	70	130
Beryllium	0.02	µg/g	<0.02			8	20	105	70	130	103	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			8	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	105	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130
Copper	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			7	20	102	70	130	112	70	130
Lithium	2	µg/g	<2			3	20	90	70	130	117	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	106	70	130
Manganese	0.1	µg/g	<0.1			3	20	101	70	130	107	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	96	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			13	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.01			19	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	92	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	107	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	106	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			4	20	99	70	130	98	70	130
Vanadium	1	µg/g	<1			1	20	107	70	130	102	70	130
Yttrium	0.004	µg/g	<0.004			2	20	92	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	99	70	130

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

13-December-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 18 October 2023
LR Report: **CA19212-OCT23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00835-TI R01C-10050MS 19-Mv	6: ARDG-00836-TI R01C-10050MS 19-Mv	7: ARDG-00837-TI R01C-10050MS 19-Mv
Sample Date & Time					09-Oct-23	09-Oct-23	09-Oct-23
Paste pH [no unit]	05-Dec-23	15:01	06-Dec-23	16:34	8.72	8.72	8.41
Fizz Rate [rating]	05-Dec-23	08:15	06-Dec-23	16:34	3	3	3
Sample weight [g]	04-Dec-23	14:33	06-Dec-23	16:34	2.01	2.01	2.00
HCl_add [mL]	06-Dec-23	08:03	06-Dec-23	16:34	205.10	211.70	177.10
HCl [Normality]	05-Dec-23	09:41	06-Dec-23	16:34	0.10	0.10	0.10
NaOH [Normality]	05-Dec-23	09:41	06-Dec-23	16:34	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Dec-23	14:55	06-Dec-23	16:34	92.42	121	117
Final pH [no unit]	06-Dec-23	09:48	06-Dec-23	16:34	1.64	1.53	1.56
NP [t CaCO3/1000 t]	06-Dec-23	14:55	06-Dec-23	16:34	280	226	150
AP [t CaCO3/1000 t]	06-Dec-23	16:34	06-Dec-23	16:34	3.12	3.75	6.25
Net NP [t CaCO3/1000 t]	06-Dec-23	16:34	06-Dec-23	16:34	277	223	144
NP/AP [ratio]	06-Dec-23	16:34	06-Dec-23	16:34	89.7	60.4	24.1
S [%]	24-Nov-23	09:52	27-Nov-23	11:04	0.165	0.153	0.237
Acid Leachable SO4-S [%]	27-Nov-23	11:04	27-Nov-23	11:04	0.06	< 0.04	< 0.04
Sulphide [%]	27-Nov-23	12:53	27-Nov-23	11:04	0.10	0.12	0.20
C [%]	24-Nov-23	09:52	27-Nov-23	08:42	4.46	4.25	4.46
CO3 (HCl) as %CO3 [%]	27-Nov-23	08:22	27-Nov-23	08:42	21.6	20.5	21.8

Analysis	8: ARDG-00838-TI R01C-10050MS 19-Mv	9: ARDG-00839-TI R01C-10050MS 19-Mv	10: ARDG-00840-TI R01C-10050MS 19-Mv	11: ARDG-00841-TI R01C-10050MS 19-Mv	12: ARDG-00842-TI R01C-10050MS 19-Mv
Sample Date & Time	09-Oct-23	09-Oct-23	09-Oct-23	09-Oct-23	09-Oct-23
Paste pH [no unit]	8.61	8.60	8.54	8.80	8.64
Fizz Rate [rating]	3	3	3	3	3
Sample weight [g]	2.03	2.01	2.00	2.02	2.02
HCl_add [mL]	221.50	253.60	168.80	128.30	173.40
HCl [Normality]	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	125	101	45.52	44.29	56.72

OnLine LIMS

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P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19212-OCT23**

Analysis	8: ARDG-00838-TI R01C-10050MS 19-Mv	9: ARDG-00839-TI R01C-10050MS 19-Mv	10: ARDG-00840-TI R01C-10050MS 19-Mv	11: ARDG-00841-TI R01C-10050MS 19-Mv	12: ARDG-00842-TI R01C-10050MS 19-Mv
Final pH [no unit]	1.50	1.53	1.87	1.56	1.69
NP [t CaCO3/1000 t]	239	379	308	208	289
AP [t CaCO3/1000 t]	5.31	5.31	5.31	3.44	7.50
Net NP [t CaCO3/1000 t]	234	374	303	204	281
NP/AP [ratio]	45.0	71.4	58.0	60.5	38.5
S [%]	0.252	0.227	0.244	0.150	0.302
Acid Leachable SO4-S [%]	0.08	0.06	0.07	0.04	0.06
Sulphide [%]	0.17	0.17	0.17	0.11	0.24
C [%]	4.20	4.51	4.54	2.86	4.37
CO3 (HCl) as %CO3 [%]	20.4	22.1	22.3	13.8	21.6

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N\ NaOH \times NaOH \text{ added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003562454

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ABA - Modified Sobek
Works #: Waste Rock OP TIR01
Project : PO#1254179

04-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 07 November 2023
LR Report: **CA19062-NOV23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00843-TIR 01C-10045MS56-MV	6: ARDG-00844-TIR 01C-10045MS56-MV	7: ARDG-00845-TIR 01C-10045MS56-Kwa-s	8: ARDG-00846-TIR 01C-10045MS56-Kwa-s	9: ARDG-00847-TIR 01C-10045MS56-Kwa-s	10: ARDG-00848-TIR 01C-10045MS56-Kwa-s	11: ARDG-00850-TIR 01C-10045MS56-Kwa-s
Sample Date & Time					14-Oct-23	14-Oct-23	14-Oct-23	14-Oct-23	14-Oct-23	17-Oct-23	18-Oct-23
Paste pH [no unit]	21-Dec-23	13:17	21-Dec-23	16:14	8.68	8.74	8.99	8.99	8.69	9.01	8.92
Fizz Rate [rating]	19-Dec-23	15:31	21-Dec-23	16:14	3	3	3	3	3	3	3
Sample weight [g]	19-Dec-23	12:42	21-Dec-23	16:14	2.06	2.66	2.03	2.41	2.36	2.37	2.19
HCl Added [mL]	20-Dec-23	16:13	21-Dec-23	16:14	170.10	229.90	31.50	29.40	38.80	30.10	39.00
HCl [Normality]	19-Dec-23	15:50	21-Dec-23	16:14	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	19-Dec-23	15:50	21-Dec-23	16:14	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	21-Dec-23	14:06	21-Dec-23	16:14	44.81	76.79	15.05	11.23	13.57	9.75	17.68
Final pH [no unit]	20-Dec-23	16:13	21-Dec-23	16:14	1.79	1.55	1.54	1.64	1.53	1.64	1.51
NP [t CaCO3/1000 t]	21-Dec-23	14:06	21-Dec-23	16:14	304	288	40.5	37.7	53.5	42.9	48.7
AP [t CaCO3/1000 t]	03-Jan-24	14:50	03-Jan-24	14:50	5.31	3.75	5.31	4.69	8.12	5.00	3.44
Net NP [t CaCO3/1000 t]	03-Jan-24	14:50	03-Jan-24	14:50	299	284	35.2	33.0	45.4	37.9	45.3
NP/AP [ratio]	03-Jan-24	14:50	03-Jan-24	14:50	57.2	76.7	7.62	8.04	6.58	8.58	14.2
Sulphur (total) [%]	21-Dec-23	09:05	03-Jan-24	09:03	0.260	0.198	0.289	0.247	0.301	0.227	0.156
Acid Leachable SO4-S [%]	02-Jan-24	09:46	03-Jan-24	14:50	0.09	0.08	0.12	0.10	0.04	0.07	0.05
Sulphide [%]	02-Jan-24	09:38	03-Jan-24	14:50	0.17	0.12	0.17	0.15	0.26	0.16	0.11
Carbon (total) [%]	21-Dec-23	09:05	03-Jan-24	09:03	4.49	3.94	0.598	0.567	0.787	0.614	0.867
Carbonate (HCl) as %CO3 [%]	27-Dec-23	15:51	04-Jan-24	14:11	21.8	19.3	2.61	2.35	3.32	2.66	3.49

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	12: ARDG-00851-TIR 01C-10045MS56-Kwa-s	13: ARDG-00849-TIR 01C-10045MS56-Kwa-s
Sample Date & Time	19-Oct-23	19-Oct-23
Paste pH [no unit]	8.85	8.65
Fizz Rate [rating]	3	3
Sample weight [g]	2.16	2.19
HCl Added [mL]	37.20	135.70
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
NaOH to pH=8.3 [mL]	15.82	38.20
Final pH [no unit]	1.55	1.56
NP [t CaCO3/1000 t]	49.5	223
AP [t CaCO3/1000 t]	8.75	8.44
Net NP [t CaCO3/1000 t]	40.8	214
NP/AP [ratio]	5.66	26.4
Sulphur (total) [%]	0.399	0.612
Acid Leachable SO4-S [%]	0.12	0.34
Sulphide [%]	0.28	0.27
Carbon (total) [%]	0.785	3.43
Carbonate (HCl) as %CO3 [%]	3.24	16.6

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

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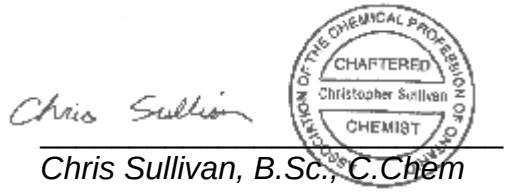
ABA - Modified Sobek
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19062-NOV23**

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019	ASTM E1915-07A
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020	ASTM E1915-07A
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005	ARD Predicition Manual, 2009



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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ABA - Modified Sobek
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19062-NOV23**

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Carbon/Sulphur - QCBatchID: ECS0002-JAN24														
Sulphide	0.04	%	< 0.01			13	20	112	80	120				
Carbon/Sulphur - QCBatchID: ECS0007-JAN24														
Carbonate (HCl) as %CO3	0.04	%	<0.04			5	20	104	80	120				
Carbon/Sulphur - QCBatchID: ECS0009-JAN24														
Sulphide	0.04	%	< 0.01			13	20	102	80	120				
Carbon/Sulphur - QCBatchID: ECS0053-DEC23														
Carbon (total)	0.005	%	<0.005			1	20				101	70	130	
Sulphur (total)	0.005	%	<0.005			1	20				101	70	130	
Carbon/Sulphur - QCBatchID: ECS0059-DEC23														
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	102	80	120				

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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

27-December-2023

Date Rec. : 07 November 2023
LR Report: **CA19063-NOV23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00843-TIR01C-10045 MS56-MV	6: ARDG-00844-TIR01C-10045 MS56-MV	7: ARDG-00845-TIR01C-10045 MS56-Kwas	8: ARDG-00846-TIR01C-10045 MS56-Kwas	9: ARDG-00847-TIR01C-10045 MS56-Kwas	10: ARDG-00848-TIR01C-10045 MS56-Kwas
Sample Date & Time					14-Oct-23	14-Oct-23	14-Oct-23	14-Oct-23	14-Oct-23	14-Oct-23
Ag [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	68000	71000	74000	71000	66000	72000
As [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	150	160	44	57	91	34
Ba [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	390	110	860	850	660	630
Be [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.52	0.51	1.2	1.3	1.2	1.3
Bi [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	< 0.09	< 0.09	0.21	0.22	0.18	0.36
Ca [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	89000	91000	12000	11000	19000	13000
Cd [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.17	0.15	0.08	0.07	0.11	0.11
Co [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	43	49	19	20	22	20
Cr [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	86	101	77	86	81	63
Cu [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	84	99	50	46	60	44
Fe [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	60000	56000	38000	36000	42000	38000
K [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	7900	6500	18000	15000	8400	19000
Li [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	56	57	35	35	37	40
Mg [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	26000	23000	14000	14000	14000	15000

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Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19063-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00843-TIR01C-10045 MS56-MV	6: ARDG-00844-TIR01C-10045 MS56-MV	7: ARDG-00845-TIR01C-10045 MS56-Kwas	8: ARDG-00846-TIR01C-10045 MS56-Kwas	9: ARDG-00847-TIR01C-10045 MS56-Kwas	10: ARDG-00848-TIR01C-10045 MS56-Kwas
Mn [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	1900	1900	290	280	430	370
Mo [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	1.2	0.9	2.3	1.9	1.7	2.1
Ni [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	101	106	64	62	57	68
Pb [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	7	10	13	12	13	32
Sb [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.3	0.3	0.2	0.2	0.2	0.2
Sn [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	180	160	300	300	330	270
Ti [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	2800	1400	890	950	1800	780
Tl [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.40	0.33	0.44	0.45	0.38	0.48
U [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.11	0.12	1.8	1.7	1.3	1.7
V [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	190	190	78	79	90	82
Y [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	4.8	5.3	5.5	5.1	5.7	5.5
Zn [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	90	90	78	76	69	73

Analysis	11: ARDG-00850-TIR01C-10045 MS56-Kwas	12: ARDG-00851-TIR01C-10045 MS56-Kwas	13: ARDG-00849-TIR01C-10045 MS56-Kwas
Sample Date & Time	14-Oct-23	14-Oct-23	14-Oct-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	68000	75000	71000
As [µg/g]	120	270	1300
Ba [µg/g]	700	750	420
Be [µg/g]	1.3	1.4	0.87
Bi [µg/g]	0.20	0.26	< 0.09
Ca [µg/g]	12000	14000	83000
Cd [µg/g]	0.10	0.12	0.17
Co [µg/g]	18	21	41

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19063-NOV23**

Analysis	11: ARDG-00850-TIR01C-10045 MS56-Kwas	12: ARDG-00851-TIR01C-10045 MS56-Kwas	13: ARDG-00849-TIR01C-10045 MS56-Kwas
Cr [µg/g]	49	62	87
Cu [µg/g]	39	54	100
Fe [µg/g]	59000	45000	55000
K [µg/g]	21000	18000	11000
Li [µg/g]	21	40	43
Mg [µg/g]	12000	15000	13000
Mn [µg/g]	300	380	2000
Mo [µg/g]	1.7	2.5	1.5
Ni [µg/g]	55	71	99
Pb [µg/g]	17	18	12
Sb [µg/g]	< 0.8	< 0.8	0.8
Se [µg/g]	0.2	0.3	0.7
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	240	260	190
Ti [µg/g]	2600	1200	3800
Tl [µg/g]	0.50	0.48	0.55
U [µg/g]	1.6	1.5	0.24
V [µg/g]	70	89	210
Y [µg/g]	5.5	5.8	6.7
Zn [µg/g]	67	86	88

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

22-December-2023

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Date Rec. : 07 November 2023
LR Report: **CA19064-NOV23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00843-TIR01C-10045 MS56-MV	6: ARDG-00844-TIR01C-10045 MS56-MV	7: ARDG-00845-TIR01C-10045 MS56-Kwas
Sample Date & Time					14-Oct-23	14-Oct-23	14-Oct-23
Sample weight [g]	17-Dec-23	07:37	18-Dec-23	16:15	249	249	251
Volume D.I. Water [mL]	17-Dec-23	07:37	18-Dec-23	16:15	750	750	750
pH [no unit]	17-Dec-23	07:37	18-Dec-23	16:15	8.90	9.00	9.24
pH [No unit]	19-Dec-23	09:16	20-Dec-23	10:16	8.13	8.02	8.04
Conductivity [uS/cm]	19-Dec-23	09:16	20-Dec-23	10:16	338	290	228
Alkalinity [mg/L as CaCO3]	19-Dec-23	09:16	20-Dec-23	10:16	67	57	45
SO4 [mg/L]	19-Dec-23	12:45	21-Dec-23	17:50	70	41	30
Hg (diss) [mg/L]	20-Dec-23	08:18	20-Dec-23	15:02	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.489	0.579	0.678
As (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0977	0.136	0.102
Ba (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00146	0.00190	0.00323
B (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.014	0.017	0.010
Be (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	14.0	11.9	8.23
Cd (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.000003	< 0.000003	0.000004
Co (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.000109	0.000100	0.000034
Cr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0008	0.0002	0.0003
Fe (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.007	< 0.007	< 0.007
K (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	5.42	3.53	14.7
Li (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0036	0.0021	0.0010
Mg (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	9.11	5.78	2.53
Mn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00511	0.00365	0.00108
Mo (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00339	0.00342	0.00784
Na (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	37.4	35.2	20.0
Ni (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0005	0.0003	0.0002

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19064-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-00843-TIR01C-10045 MS56-MV	6: ARDG-00844-TIR01C-10045 MS56-MV	7: ARDG-00845-TIR01C-10045 MS56-Kwas
Pb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00014	< 0.00009	< 0.00009
Sb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0046	0.0057	0.0065
Se (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00275	0.00082	0.00033
Si (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	1.76	1.53	1.78
Sn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0222	0.0177	0.0460
Ti (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00007	< 0.00007	0.00011
Tl (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.000067	0.000078	0.000354
W (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00253	0.00090	0.00216
Y (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00002	< 0.00002	0.00002
V (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00197	0.00208	0.00228
Zn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-00846-TIR01C-10045 MS56-Kwas	9: ARDG-00847-TIR01C-10045 MS56-Kwas	10: ARDG-00848-TIR01C-10045 MS56-Kwas	11: ARDG-00850-TIR01C-10045 MS56-Kwas	12: ARDG-00851-TIR01C-10045 MS56-Kwas	13: ARDG-00849-TIR01C-10045 MS56-Kwas
Sample Date & Time	14-Oct-23	14-Oct-23	14-Oct-23	14-Oct-23	14-Oct-23	14-Oct-23
Sample weight [g]	250	251	250	250	249	251
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.25	9.07	9.22	9.14	9.07	8.92
pH [No unit]	8.32	7.78	8.01	8.10	7.89	7.97
Conductivity [uS/cm]	246	305	247	288	307	286
Alkalinity [mg/L as CaCO3]	46	40	46	52	47	61
SO4 [mg/L]	32	50	36	44	45	49
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.636	0.564	0.643	0.550	0.539	0.609
As (diss) [mg/L]	0.128	0.0509	0.0932	0.171	0.0402	0.0739
Ba (diss) [mg/L]	0.00325	0.00682	0.00224	0.00370	0.00432	0.00195
B (diss) [mg/L]	0.010	0.014	0.012	0.014	0.016	0.018
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	8.44	12.7	8.91	10.5	11.5	13.8
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000004	0.000003	< 0.000003
Co (diss) [mg/L]	0.000039	0.000035	0.000027	0.000048	0.000047	0.000081
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.0002	0.0003	0.0003	0.0003	< 0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	0.009	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	15.1	15.8	16.8	22.5	17.2	5.16
Li (diss) [mg/L]	0.0010	0.0011	0.0010	0.0011	0.0012	0.0032
Mg (diss) [mg/L]	2.69	2.95	2.47	4.24	3.89	4.88

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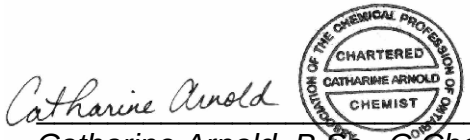
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19064-NOV23**

Analysis	8: ARDG-00846-TIR01C-10045 MS56-Kwas	9: ARDG-00847-TIR01C-10045 MS56-Kwas	10: ARDG-00848-TIR01C-10045 MS56-Kwas	11: ARDG-00850-TIR01C-10045 MS56-Kwas	12: ARDG-00851-TIR01C-10045 MS56-Kwas	13: ARDG-00849-TIR01C-10045 MS56-Kwas
Mn (diss) [mg/L]	0.00105	0.00173	0.00111	0.00170	0.00142	0.00724
Mo (diss) [mg/L]	0.00449	0.00320	0.00365	0.00769	0.00375	0.00516
Na (diss) [mg/L]	22.6	27.8	23.4	22.0	26.8	31.6
Ni (diss) [mg/L]	0.0001	0.0003	0.0001	0.0003	0.0002	0.0003
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0061	0.0055	0.0058	0.0055	0.0043	0.0061
Se (diss) [mg/L]	0.00030	0.00050	0.00030	0.00065	0.00038	0.00098
Si (diss) [mg/L]	1.84	1.84	1.83	1.97	1.77	1.41
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0480	0.0766	0.0436	0.0535	0.0592	0.0256
Ti (diss) [mg/L]	0.00011	0.00016	0.00008	0.00009	< 0.00007	< 0.00007
Tl (diss) [mg/L]	< 0.000005	0.000008	0.000006	0.000015	0.000008	< 0.000005
U (diss) [mg/L]	0.000319	0.000274	0.000149	0.000369	0.000188	0.000168
W (diss) [mg/L]	0.00250	0.00188	0.00241	0.00262	0.00218	0.00149
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00239	0.00166	0.00218	0.00177	0.00122	0.00151
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 07 November 2023
LR Report: **CA19065-NOV23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000852-T IR01C-10045MS 57-Kwa-s	6: ARDG-000853-T IR01C-10045MS 57-Kwa-s	7: ARDG-000854-T IR01C-10045MS 57-Kwa-s
Sample Date & Time					23-Oct-23	23-Oct-23	23-Oct-23
Paste pH [no unit]	04-Jan-24	16:46	08-Jan-24	11:19	8.89	8.99	9.05
Fizz Rate [rating]	03-Jan-24	15:25	08-Jan-24	11:19	3	3	3
Sample weight [g]	02-Jan-24	20:15	08-Jan-24	11:19	2.07	2.08	2.05
HCl_add [mL]	04-Jan-24	14:36	08-Jan-24	11:19	20.00	25.50	26.30
HCl [Normality]	03-Jan-24	15:40	08-Jan-24	11:19	0.10	0.10	0.10
NaOH [Normality]	03-Jan-24	15:40	08-Jan-24	11:19	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	05-Jan-24	13:17	08-Jan-24	11:19	7.42	10.79	11.48
Final pH [no unit]	04-Jan-24	15:41	08-Jan-24	11:19	1.92	1.65	1.51
NP [t CaCO3/1000 t]	05-Jan-24	13:17	08-Jan-24	11:19	30.4	35.4	36.1
AP [t CaCO3/1000 t]	10-Jan-24	12:12	10-Jan-24	12:12	2.81	2.81	2.81
Net NP [t CaCO3/1000 t]	10-Jan-24	12:12	10-Jan-24	12:12	27.6	32.6	33.3
NP/AP [ratio]	10-Jan-24	12:12	10-Jan-24	12:12	10.8	12.6	12.8
S [%]	08-Jan-24	10:49	10-Jan-24	12:12	0.178	0.195	0.194
Acid Leachable SO4-S [%]	10-Jan-24	12:12	10-Jan-24	12:12	0.09	0.10	0.10
Sulphide [%]	10-Jan-24	11:28	10-Jan-24	12:12	0.09	0.09	0.09
C [%]	08-Jan-24	10:49	08-Jan-24	14:11	0.491	0.567	0.670
CO3 (HCl) as %CO3 [%]	08-Jan-24	10:58	08-Jan-24	14:11	1.98	2.32	2.49

Analysis	8: ARDG-000855-T IR01C-10045MS 57-Kwa-s	9: ARDG-000856-T IR01C-10045MS 57-Kwa-s	10: ARDG-000857-T IR01C-10045MS 57-Kwa-s
Sample Date & Time	23-Oct-23	23-Oct-23	23-Oct-23
Paste pH [no unit]	9.26	9.12	8.94
Fizz Rate [rating]	3	3	3
Sample weight [g]	2.07	2.03	2.05
HCl_add [mL]	38.30	20.00	25.40
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10

OnLine LIMS

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19065-NOV23**

Analysis	8: ARDG-000855-TIR01C-10045MS57-Kwa-s	9: ARDG-000856-TIR01C-10045MS57-Kwa-s	10: ARDG-000857-TIR01C-10045MS57-Kwa-s
Vol NaOH to pH=8.3 [mL]	15.84	7.43	10.85
Final pH [no unit]	1.51	1.74	1.54
NP [t CaCO3/1000 t]	54.2	31.0	35.5
AP [t CaCO3/1000 t]	2.50	1.88	1.88
Net NP [t CaCO3/1000 t]	51.7	29.1	33.6
NP/AP [ratio]	21.7	16.5	18.9
S [%]	0.272	0.179	0.189
Acid Leachable SO4-S [%]	0.19	0.12	0.13
Sulphide [%]	0.08	0.06	0.06
C [%]	0.797	0.505	0.515
CO3 (HCl) as %CO3 [%]	3.63	1.99	1.71

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N\ NaOH \times NaOH \text{ added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

04-January-2024

Date Rec. : 07 November 2023
LR Report: **CA19066-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000852-T IR01C-10045MS 57-Kwa-s	6: ARDG-000853-T IR01C-10045MS 57-Kwa-s	7: ARDG-000854-T IR01C-10045MS 57-Kwa-s	8: ARDG-000855-T IR01C-10045MS 57-Kwa-s	9: ARDG-000856-T IR01C-10045MS 57-Kwa-s	10: ARDG-000857-T IR01C-10045MS 57-Kwa-s
Sample Date & Time					23-Oct-23	23-Oct-23	23-Oct-23	23-Oct-23	23-Oct-23	23-Oct-23
Silver [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aluminum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	92000	86000	86000	72000	94000	65000
Arsenic [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	100	120	59	13	140	130
Barium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	660	750	690	1100	630	490
Beryllium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	1.4	1.6	1.6	1.5	1.4	1.3
Bismuth [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.24	0.24	0.18	0.19	0.20	0.17
Calcium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	11000	12000	13000	18000	12000	12000
Cadmium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.09	0.11	0.11	0.14	0.08	0.10
Cobalt [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	25	24	22	17	23	23
Chromium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	82	81	76	40	94	51
Copper [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	49	49	44	44	40	49
Iron [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	41000	41000	38000	28000	38000	33000
Potassium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	22000	23000	21000	16000	21000	18000
Lithium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	39	46	42	27	46	41
Magnesium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	18000	18000	16000	12000	17000	14000
Manganese [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	370	390	360	400	370	320
Molybdenum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	2.7	2.4	2.2	1.4	4.0	1.6
Nickel [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	84	83	79	55	84	69
Lead [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	17	19	19	27	18	12

OnLine LIMS

0003581467

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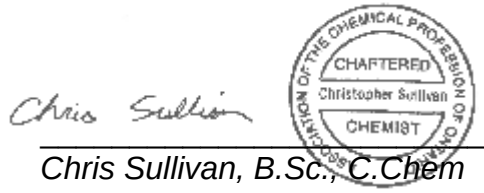
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19066-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000852-T IR01C-10045MS 57-Kwa-s	6: ARDG-000853-T IR01C-10045MS 57-Kwa-s	7: ARDG-000854-T IR01C-10045MS 57-Kwa-s	8: ARDG-000855-T IR01C-10045MS 57-Kwa-s	9: ARDG-000856-T IR01C-10045MS 57-Kwa-s	10: ARDG-000857-T IR01C-10045MS 57-Kwa-s
Antimony [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.3	0.3	0.2	0.2	0.2	0.2
Tin [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 6	< 6	< 6	< 6	< 6	< 6
Strontium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	250	260	280	390	280	210
Titanium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	870	910	1100	940	730	620
Thallium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.52	0.55	0.55	0.41	0.50	0.45
Uranium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	1.33	1.83	1.28	1.18	1.61	0.84
Vanadium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	110	110	100	67	110	85
Yttrium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	4.8	5.4	4.6	5.7	6.0	3.8
Zinc [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	90	91	83	73	88	74

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19066-NOV23**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
**QCR_SubCategory* - QCBatchID: EMS0005-JAN24*													
Calcium	3	µg/g	<3			1		109			104		
Potassium	3	µg/g	<3			3		93			101		
Metals - Microwave/ICP-MS - QCBatchID: EMS0005-JAN24													
Aluminum	3	µg/g	<3			3	20	108	70	130	112	70	130
Antimony	0.8	µg/g	<0.8			0	20	109	70	130	119	70	130
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	97	70	130
Barium	0.01	µg/g	<0.01			3	20	94	70	130	105	70	130
Beryllium	0.02	µg/g	<0.02			8	20	105	70	130	103	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			8	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	105	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130
Copper	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			7	20	102	70	130	112	70	130
Lithium	2	µg/g	<2			3	20	90	70	130	117	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	106	70	130
Manganese	0.1	µg/g	<0.1			3	20	101	70	130	107	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	96	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			13	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.01			19	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	92	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	107	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	106	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			4	20	99	70	130	98	70	130
Vanadium	1	µg/g	<1			1	20	107	70	130	102	70	130
Yttrium	0.004	µg/g	<0.004			2	20	92	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	99	70	130

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

05-January-2024

Date Rec. : 07 November 2023
LR Report: **CA19067-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000852-TIR01 C-10045MS57-Kwa-s	6: ARDG-000853-TIR01 C-10045MS57-Kwa-s	7: ARDG-000854-TIR01 C-10045MS57-Kwa-s	8: ARDG-000855-TIR01 C-10045MS57-Kwa-s	9: ARDG-000856-TIR01 C-10045MS57-Kwa-s	10: ARDG-000857-TIR01 C-10045MS57-Kwa-s
Sample Date & Time					23-Oct-23	23-Oct-23	23-Oct-23	23-Oct-23	23-Oct-23	23-Oct-23
Sample weight [g]	02-Jan-24	07:47	03-Jan-24	16:20	249	250	249	251	250	250
Volume D.I. Water [mL]	02-Jan-24	07:47	03-Jan-24	16:20	750	750	750	750	750	750
PreFilt pH [no unit]	03-Jan-24	09:00	03-Jan-24	16:20	8.83	8.79	9.06	9.11	9.18	9.16
pH [No unit]	03-Jan-24	14:55	04-Jan-24	10:35	7.84	8.00	8.09	8.14	7.98	7.97
Conductivity [uS/cm]	03-Jan-24	14:55	04-Jan-24	10:35	343	267	207	198	205	248
Alkalinity [mg/L as CaCO3]	03-Jan-24	14:55	04-Jan-24	10:35	48	55	51	54	47	48
Sulphate [mg/L]	05-Jan-24	12:33	05-Jan-24	14:17	51	35	30	30	32	41
Mercury (dissolved) [mg/L]	04-Jan-24	19:01	05-Jan-24	10:54	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.521	0.613	0.734	0.808	0.778	0.692
Arsenic (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.0984	0.138	0.133	0.0527	0.0613	0.0904
Barium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.00346	0.00251	0.00216	0.00486	0.00206	0.00303
Boron (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.011	0.011	0.009	0.010	0.010	0.011
Beryllium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Calcium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	13.7	9.52	8.69	9.45	9.10	10.7
Cadmium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.000008	0.000004	0.000005	0.000004	< 0.000003	0.000011
Cobalt (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.000104	0.000069	0.000031	0.000020	0.000018	0.000039
Chromium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Copper (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.0002	0.0002	< 0.0002	< 0.0002	< 0.0002	0.0003
Iron (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	< 0.007	< 0.007	< 0.007	< 0.007	0.010	< 0.007

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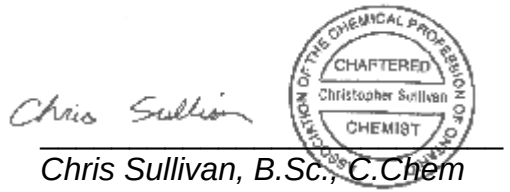
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19067-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000852-TIR01 C-10045MS57-Kwa-s	6: ARDG-000853-TIR01 C-10045MS57-Kwa-s	7: ARDG-000854-TIR01 C-10045MS57-Kwa-s	8: ARDG-000855-TIR01 C-10045MS57-Kwa-s	9: ARDG-000856-TIR01 C-10045MS57-Kwa-s	10: ARDG-000857-TIR01 C-10045MS57-Kwa-s
Potassium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	20.9	20.6	18.0	15.1	16.9	20.2
Lithium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.0021	0.0017	0.0012	0.0017	0.0010	0.0017
Magnesium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	5.11	3.66	2.64	3.01	2.34	3.38
Manganese (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.00264	0.00133	0.00248	0.00122	0.00087	0.00117
Molybdenum (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.0181	0.0210	0.00803	0.00651	0.00345	0.0254
Sodium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	30.1	23.6	17.3	15.5	16.6	19.4
Nickel (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.0003	0.0002	0.0002	0.0002	0.0002	0.0003
Lead (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Antimony (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.0051	0.0058	0.0057	0.0049	0.0055	0.0046
Selenium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.00057	0.00071	0.00036	0.00056	0.00030	0.00063
Silicon (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	1.96	2.02	2.08	2.25	1.99	2.08
Tin (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Strontium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.0633	0.0462	0.0398	0.0597	0.0429	0.0425
Titanium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.00011	0.00016	0.00016	0.00021	0.00079	0.00024
Thallium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.000017	0.000009	0.000010	0.000006	0.000007	0.000005
Uranium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.000276	0.000255	0.000227	0.000733	0.000123	0.000193
Tungsten (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.00192	0.00240	0.00247	0.00408	0.00331	0.00255
Yttrium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Vanadium (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	0.00174	0.00244	0.00288	0.00335	0.00276	0.00256
Zinc (dissolved) [mg/L]	04-Jan-24	09:30	04-Jan-24	13:59	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19067-NOV23**

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006	SM 2320
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026	US EPA 375.4
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006	SM 2510
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004	EPA 7471A/SM 3112B
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006	SM 3030/EPA 200.8
pH	ME-CA-[ENV]EWL-LAK-AN-006	SM 4500

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Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19067-NOV23**

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Alkalinity - QCBatchID: EWL0034-JAN24														
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA			
Anions by discrete analyzer - QCBatchID: DIO5011-JAN24														
Sulphate	2	mg/L	<2			2	20	106	80	120	99	75	125	
Conductivity - QCBatchID: EWL0034-JAN24														
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA			
Mercury by CVAAS - QCBatchID: EHG0005-JAN24														
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	84	80	120	87	70	130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0019-JAN24														
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	97	90	110	129	70	130	
Antimony (dissolved)	0.0009	mg/L	<0.0009			3	20	103	90	110	73	70	130	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			0	20	98	90	110	101	70	130	
Barium (dissolved)	0.00008	mg/L	<0.00008			5	20	99	90	110	96	70	130	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	100	90	110	112	70	130	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	82	70	130	
Boron (dissolved)	0.002	mg/L	<0.002			0	20	94	90	110	95	70	130	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			2	20	97	90	110	107	70	130	
Calcium (dissolved)	0.01	mg/L	<0.01			5	20	100	90	110	78	70	130	
Chromium (dissolved)	0.00008	mg/L	<0.00008			19	20	100	90	110	72	70	130	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			7	20	96	90	110	88	70	130	
Copper (dissolved)	0.0002	mg/L	<0.0002			0	20	100	90	110	108	70	130	
Iron (dissolved)	0.007	mg/L	<0.007			2	20	103	90	110	75	70	130	
Lead (dissolved)	0.00009	mg/L	<0.00009			5	20	96	90	110	95	70	130	
Lithium (dissolved)	0.0001	mg/L	<0.0001			1	20	94	90	110	102	70	130	
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	101	90	110	93	70	130	
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	99	90	110	74	70	130	
Molybdenum (dissolved)	0.00004	mg/L	<0.00004			6	20	98	90	110	81	70	130	
Nickel (dissolved)	0.0001	mg/L	<0.0001			6	20	98	90	110	96	70	130	
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	99	90	110	89	70	130	
Selenium (dissolved)	0.00004	mg/L	<0.00004			11	20	97	90	110	88	70	130	
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	100	90	110	NV	70	130	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	100	90	110	77	70	130	
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	93	90	110	90	70	130	
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	98	90	110	90	70	130	
Thallium (dissolved)	0.000005	mg/L	<0.000005			6	20	96	90	110	92	70	130	
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	95	90	110	NV	70	130	

OnLine LIMS

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Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Titanium (dissolved)	0.00007	mg/L	<0.00005			7	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.00002	mg/L	<0.00002			4	20	101	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	97	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			0	20	96	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			17	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			1	20	97	90	110	110	70	130
pH - QCBatchID: EWL0034-JAN24													
pH	0.05	No unit	NA			0		100			NA		

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Meliadine
, Nunavut
X0C 0A0, Canada

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Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

04-January-2024

Date Rec. : 14 November 2023
LR Report: **CA19109-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000858-T IR01C-10045MS 54-MV	6: ARDG-000859-T IR01C-10045MS 54-MV	7: ARDG-000860-T IR01C-10045MS 54-MV	8: ARDG-000861-T IR01C-10045MS 54-Kwa-s	9: ARDG-000862-T IR01C-10045MS 54-Kwa-s	10: ARDG-000863-T IR01C-10045MS 54-Kwa-s	11: ARDG-000864-T IR01C-10045MS 54-Kwa-s
Sample Date & Time					27-Oct-23	27-Oct-23	27-Oct-23	27-Oct-23	27-Oct-23	27-Oct-23	27-Oct-23
Silver [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aluminum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	82000	82000	79000	79000	80000	80000	89000
Arsenic [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	63	70	13	8.8	14	17	13
Barium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	98	92	100	8	8	140	49
Beryllium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.45	0.42	0.28	0.35	0.26	0.37	0.34
Bismuth [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	96000	100000	100000	100000	110000	110000	64000
Cadmium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.25	0.26	0.08	0.10	0.14	0.18	0.09
Cobalt [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	45	51	53	52	52	45	57
Chromium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	120	110	100	120	99	100	140
Copper [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	94	117	128	142	111	95	111
Iron [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	69000	72000	72000	76000	74000	66000	77000
Potassium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	5800	5500	5300	210	240	4600	2400
Lithium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	55	55	59	42	39	49	54
Magnesium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	25000	24000	32000	34000	29000	22000	47000
Manganese [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	2000	2000	1700	1900	2100	2900	1500
Molybdenum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.8	0.6	0.5	3.7	0.6	1.0	0.6
Nickel [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	110	110	140	130	140	110	150
Lead [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	5	5	2	4	3	5	2

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P.O. Box 4300 - 185 Concession St.
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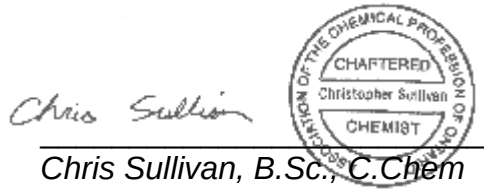
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19109-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000858-T IR01C-10045MS 54-MV	6: ARDG-000859-T IR01C-10045MS 54-MV	7: ARDG-000860-T IR01C-10045MS 54-MV	8: ARDG-000861-T IR01C-10045MS 54-Kwa-s	9: ARDG-000862-T IR01C-10045MS 54-Kwa-s	10: ARDG-000863-T IR01C-10045MS 54-Kwa-s	11: ARDG-000864-T IR01C-10045MS 54-Kwa-s
Antimony [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 0.8	< 0.8	< 0.8	1.4	1.2	< 0.8	< 0.8
Selenium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.4	0.4	0.5	0.5	0.5	0.4	0.3
Tin [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	< 6	< 6	< 6	11	< 6	< 6	< 6
Strontium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	130	120	95	160	140	100	93
Titanium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	3200	3100	1100	4200	4100	3300	1000
Thallium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.29	0.28	0.22	< 0.02	< 0.02	0.24	0.09
Uranium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	0.13	0.11	0.087	0.10	0.075	0.11	0.14
Vanadium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	250	250	230	260	250	250	260
Yttrium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	6.9	7.9	9.7	15	15	7.0	6.7
Zinc [µg/g]	04-Jan-24	13:37	04-Jan-24	11:54	150	150	83	87	93	100	90

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
**QCR_SubCategory* - QCBatchID: EMS0005-JAN24*													
Calcium	3	µg/g	<3			1		109			104		
Potassium	3	µg/g	<3			3		93			101		
Metals - Microwave/ICP-MS - QCBatchID: EMS0005-JAN24													
Aluminum	3	µg/g	<3			3	20	108	70	130	112	70	130
Antimony	0.8	µg/g	<0.8			0	20	109	70	130	119	70	130
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	97	70	130
Barium	0.01	µg/g	<0.01			3	20	94	70	130	105	70	130
Beryllium	0.02	µg/g	<0.02			8	20	105	70	130	103	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			8	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	105	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130
Copper	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			7	20	102	70	130	112	70	130
Lithium	2	µg/g	<2			3	20	90	70	130	117	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	106	70	130
Manganese	0.1	µg/g	<0.1			3	20	101	70	130	107	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	96	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			13	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.01			19	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	92	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	107	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	106	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			4	20	99	70	130	98	70	130
Vanadium	1	µg/g	<1			1	20	107	70	130	102	70	130
Yttrium	0.004	µg/g	<0.004			2	20	92	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	99	70	130

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

22-December-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 14 November 2023
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Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000858 -TIR01C-1004 5MS54-MV	6: ARDG-000859 -TIR01C-1004 5MS54-MV	7: ARDG-000860 -TIR01C-1004 5MS54-MV
Sample Date & Time					27-Oct-23	27-Oct-23	27-Oct-23
Sample weight [g]	17-Dec-23	07:37	18-Dec-23	16:15	250	250	251
Volume D.I. Water [mL]	17-Dec-23	07:37	18-Dec-23	16:15	750	750	750
pH [no unit]	17-Dec-23	07:37	18-Dec-23	16:15	8.91	8.92	9.17
pH [No unit]	19-Dec-23	08:16	20-Dec-23	10:22	8.12	8.10	7.95
Conductivity [uS/cm]	19-Dec-23	08:16	20-Dec-23	10:22	211	231	141
Alkalinity [mg/L as CaCO3]	19-Dec-23	08:16	20-Dec-23	10:22	58	56	38
SO4 [mg/L]	19-Dec-23	12:45	21-Dec-23	17:50	21	24	4
Hg (diss) [mg/L]	20-Dec-23	08:18	20-Dec-23	15:02	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.484	0.507	0.830
As (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0299	0.0277	0.0018
Ba (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00092	0.00069	0.00096
B (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.015	0.017	0.013
Be (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	12.6	12.5	8.96
Cd (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.000051	0.000043	0.000015
Cr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	4.74	5.26	5.14
Li (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0016	0.0016	0.0006
Mg (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	5.79	5.49	1.73
Mn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00348	0.00305	0.00136
Mo (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00280	0.00256	0.00081
Na (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	24.8	29.5	19.1
Ni (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0002	0.0002	< 0.0001

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Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19110-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000858 -TIR01C-1004 5MS54-MV	6: ARDG-000859 -TIR01C-1004 5MS54-MV	7: ARDG-000860 -TIR01C-1004 5MS54-MV
Pb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0020	0.0022	0.0011
Se (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00063	0.00066	0.00015
Si (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	1.33	1.32	1.06
Sn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.0193	0.0192	0.0247
Ti (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.000006	0.000006	0.000009
U (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.000013	0.000015	< 0.000002
W (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00069	0.00073	0.00088
Y (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	0.00098	0.00103	0.00095
Zn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:35	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000861 -TIR01C-1004 5MS54-Kwa-s	9: ARDG-000862 -TIR01C-1004 5MS54-Kwa-s	10: ARDG-000863 -TIR01C-1004 5MS54-Kwa-s	11: ARDG-000864 -TIR01C-1004 5MS54-Kwa-s
Sample Date & Time	27-Oct-23	27-Oct-23	27-Oct-23	27-Oct-23
Sample weight [g]	250	248	250	249
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.99	9.07	8.86	9.63
pH [No unit]	7.80	7.86	8.09	9.61
Conductivity [uS/cm]	193	159	245	948
Alkalinity [mg/L as CaCO3]	32	33	60	171
SO4 [mg/L]	29	14	56	68
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.442	0.646	0.455	0.462
As (diss) [mg/L]	0.0013	0.0012	0.0035	0.0533
Ba (diss) [mg/L]	0.00154	0.00098	0.00093	0.00437
B (diss) [mg/L]	0.014	0.013	0.015	0.901
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000022
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	15.1	12.7	15.9	2.13
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000009
Co (diss) [mg/L]	0.000029	0.000009	0.000047	0.000490
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00207
Cu (diss) [mg/L]	0.0002	0.0003	0.0003	0.0036
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	0.369
K (diss) [mg/L]	1.14	1.02	4.14	9.22
Li (diss) [mg/L]	0.0009	0.0010	0.0023	0.0018
Mg (diss) [mg/L]	3.78	2.77	7.98	0.505

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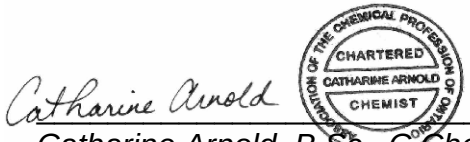
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19110-NOV23**

Analysis	8: ARDG-000861 -TIR01C-1004 5MS54-Kwa-s	9: ARDG-000862 -TIR01C-1004 5MS54-Kwa-s	10: ARDG-000863 -TIR01C-1004 5MS54-Kwa-s	11: ARDG-000864 -TIR01C-1004 5MS54-Kwa-s
Mn (diss) [mg/L]	0.00302	0.00233	0.00712	0.00868
Mo (diss) [mg/L]	0.00479	0.00588	0.00734	0.00676
Na (diss) [mg/L]	20.3	14.1	28.5	195
Ni (diss) [mg/L]	0.0001	0.0001	0.0001	0.0028
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00015
Sb (diss) [mg/L]	0.0023	0.0027	0.0045	0.0023
Se (diss) [mg/L]	0.00011	0.00017	0.00077	0.00135
Si (diss) [mg/L]	1.42	1.29	1.45	8.95
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0380	0.0262	0.0173	0.00610
Ti (diss) [mg/L]	< 0.00007	< 0.00007	< 0.00007	0.00243
Tl (diss) [mg/L]	< 0.000005	< 0.000005	0.000005	0.000005
U (diss) [mg/L]	< 0.000002	< 0.000002	0.000021	0.000094
W (diss) [mg/L]	0.00220	0.00201	0.00099	0.00255
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00014
V (diss) [mg/L]	0.00092	0.00101	0.00085	0.01283
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

08-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 14 November 2023
LR Report: **CA19112-NOV23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000865-TR01C-10045 MS5-Kwa-s	6: ARDG-000866-TR01C-10045 MS5-Kwa-s	7: ARDG-000867-TR01C-10045 MS5-Kwa-s
Sample Date & Time					31-Oct-23	31-Oct-23	31-Oct-23
Paste pH [no unit]	27-Dec-23	15:40	02-Jan-24	11:28	9.06	9.10	9.04
Fizz Rate [rating]	27-Dec-23	08:29	02-Jan-24	11:28	3	3	3
Sample weight [g]	02-Jan-24	13:05	05-Jan-24	10:45	2.02	2.02	2.02
HCl_add [mL]	04-Jan-24	08:12	05-Jan-24	10:45	39.00	38.10	38.80
HCl [Normality]	03-Jan-24	10:46	05-Jan-24	10:45	0.10	0.10	0.10
NaOH [Normality]	03-Jan-24	10:46	05-Jan-24	10:45	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	04-Jan-24	20:14	05-Jan-24	10:45	16.68	18.24	17.40
Final pH [no unit]	04-Jan-24	09:15	05-Jan-24	10:45	1.63	1.60	1.62
NP [t CaCO3/1000 t]	04-Jan-24	20:14	05-Jan-24	10:45	55.2	49.2	53.0
AP [t CaCO3/1000 t]	04-Jan-24	20:14	05-Jan-24	10:45	5.00	5.00	5.62
Net NP [t CaCO3/1000 t]	04-Jan-24	20:14	05-Jan-24	10:45	50.2	44.2	47.4
NP/AP [ratio]	04-Jan-24	20:14	05-Jan-24	10:45	11.0	9.84	9.42
S [%]	03-Jan-24	08:20	03-Jan-24	14:51	0.264	0.264	0.329
Acid Leachable SO4-S [%]	03-Jan-24	14:02	03-Jan-24	14:51	0.10	0.10	0.15
Sulphide [%]	03-Jan-24	13:55	03-Jan-24	14:51	0.16	0.16	0.18
C [%]	03-Jan-24	08:20	03-Jan-24	14:51	0.844	0.762	0.853
CO3 (HCl) as %CO3 [%]	08-Jan-24	10:58	08-Jan-24	14:11	3.70	3.20	3.39

Analysis	8: ARDG-000868-TR01C-10045 MS5-Kwa-s	9: ARDG-000869-TR01C-10045 MS5-Kwa-s	10: ARDG-000870-TR01C-10045 MS5-Kwa-s	11: ARDG-000871-TR01C-10045 MS5-Kwa-s
Sample Date & Time	31-Oct-23	31-Oct-23	31-Oct-23	31-Oct-23
Paste pH [no unit]	9.13	8.02	8.67	9.11
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.03	2.02	2.03	2.01
HCl_add [mL]	29.00	39.90	29.20	29.70

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19112-NOV23**

Analysis	8: ARDG-000868-TR01C-10045 MS5-Kwa-s	9: ARDG-000869-TR01C-10045 MS5-Kwa-s	10: ARDG-000870-TR01C-10045 MS5-Kwa-s	11: ARDG-000871-TR01C-10045 MS5-Kwa-s
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12.92	17.17	16.19	14.14
Final pH [no unit]	1.86	1.79	1.82	1.59
NP [t CaCO3/1000 t]	39.6	56.3	32.0	38.7
AP [t CaCO3/1000 t]	2.81	64.4	5.00	2.81
Net NP [t CaCO3/1000 t]	36.8	-8.08	27.0	35.9
NP/AP [ratio]	14.1	0.87	6.40	13.8
S [%]	0.186	2.37	0.248	0.199
Acid Leachable SO4-S [%]	0.10	0.31	0.09	0.11
Sulphide [%]	0.09	2.06	0.16	0.09
C [%]	0.580	1.04	0.562	0.518
CO3 (HCl) as %CO3 [%]	2.47	4.71	2.13	2.22

ABA - Modified Sobek

*NP (Neutralization Potential)
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

                        Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 14 November 2023
LR Report: **CA19114-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000865-TR01C-10045MS5-Kwa-s	6: ARDG-000866-TR01C-10045MS5-Kwa-s	7: ARDG-000867-TR01C-10045MS5-Kwa-s
Sample Date & Time					31-Oct-23	31-Oct-23	31-Oct-23
Sample weight [g]	03-Jan-24	12:00	05-Jan-24	10:50	249	249	251
Volume D.I. Water [mL]	04-Jan-24	06:00	05-Jan-24	10:50	750	750	750
pH [no unit]	05-Jan-24	06:30	05-Jan-24	10:50	9.16	9.11	9.19
pH [No unit]	05-Jan-24	14:49	08-Jan-24	10:54	7.78	7.95	8.10
Conductivity [uS/cm]	05-Jan-24	14:49	08-Jan-24	10:54	241	274	219
Alkalinity [mg/L as CaCO3]	05-Jan-24	14:49	08-Jan-24	10:54	44	51	50
SO4 [mg/L]	08-Jan-24	13:28	08-Jan-24	17:01	23	21	32
Hg (diss) [mg/L]	08-Jan-24	15:13	09-Jan-24	11:49	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.762	0.714	0.703
As (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.0368	0.0501	0.129
Ba (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.00851	0.0107	0.00539
B (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.012	0.011	0.009
Be (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	9.60	9.13	8.51
Cd (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.000003	0.000004	< 0.000003
Co (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.000032	0.000025	0.000039
Cr (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.012	< 0.007	< 0.007
K (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	15.6	17.5	16.1
Li (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.0013	0.0015	0.0015
Mg (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	2.99	2.96	2.81
Mn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.00106	0.00112	0.00119
Mo (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.00425	0.00656	0.00480
Na (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	20.1	24.4	17.4
Ni (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.0001	0.0002	0.0002
Pb (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.0054	0.0065	0.0061

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19114-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000865-TR01C-10045MS5-Kwa-s	6: ARDG-000866-TR01C-10045MS5-Kwa-s	7: ARDG-000867-TR01C-10045MS5-Kwa-s
Se (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.00033	0.00027	0.00063
Si (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	1.79	1.86	2.02
Sn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.0803	0.0857	0.0565
Ti (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.00010	0.00013	0.00010
Tl (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.000009	0.000006	0.000007
U (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.000145	0.000168	0.000359
W (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.00592	0.00342	0.00323
Y (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	0.00217	0.00230	0.00282
Zn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:07	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000868-TR01C-10045MS5-Kwa-s	9: ARDG-000869-TR01C-10045MS5-Kwa-s	10: ARDG-000870-TR01C-10045MS5-Kwa-s	11: ARDG-000871-TR01C-10045MS5-Kwa-s	12: ARDG-000869-T$R01C-10045MS5-Kwa-s	13:BLK: D.I. Leachate Blank
Sample Date & Time	31-Oct-23	31-Oct-23	31-Oct-23	31-Oct-23		
Sample weight [g]	251	249	252	250	251	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.15	7.97	8.91	9.32	7.97	6.04
pH [No unit]	8.14	7.38	7.76	8.12	7.40	6.38
Conductivity [uS/cm]	210	822	338	233	848	< 2
Alkalinity [mg/L as CaCO3]	50	56	46	49	58	2
SO4 [mg/L]	13	240	43	13	220	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.749	0.062	0.641	0.842	0.058	0.002
As (diss) [mg/L]	0.0782	0.0036	0.0518	0.0862	0.0034	< 0.0002
Ba (diss) [mg/L]	0.00308	0.0241	0.00624	0.00279	0.0260	< 0.00008
B (diss) [mg/L]	0.008	0.012	0.015	0.011	0.013	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	6.22	96.6	13.9	6.42	100	< 0.01
Cd (diss) [mg/L]	0.000004	0.000019	0.000004	0.000003	0.000018	< 0.000003
Co (diss) [mg/L]	0.000024	0.000417	0.000071	0.000019	0.000425	0.000006
Cr (diss) [mg/L]	0.00009	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.0002	0.0003	< 0.0002	< 0.0002	0.0004	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	14.6	12.9	18.2	17.3	13.5	0.053
Li (diss) [mg/L]	0.0013	0.0036	0.0010	0.0011	0.0038	< 0.0001
Mg (diss) [mg/L]	1.82	15.2	3.57	1.49	16.0	0.002
Mn (diss) [mg/L]	0.00080	0.06847	0.00103	0.00074	0.07327	0.00007
Mo (diss) [mg/L]	0.0123	0.0163	0.00607	0.00710	0.0224	0.00010
Na (diss) [mg/L]	17.0	22.3	28.2	22.2	23.4	0.01
Ni (diss) [mg/L]	0.0001	0.0010	0.0001	0.0001	0.0010	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00107	< 0.00009	< 0.00009	< 0.00009

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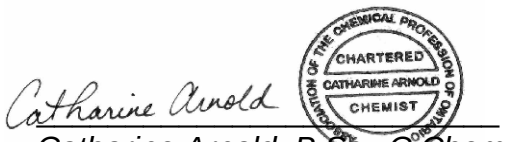
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19114-NOV23**

Analysis	8: ARDG-000868-TR01C-10045MS5-Kwa-s	9: ARDG-000869-TR01C-10045MS5-Kwa-s	10: ARDG-000870-TR01C-10045MS5-Kwa-s	11: ARDG-000871-TR01C-10045MS5-Kwa-s	12: ARDG-000869-T$R01C-10045MS5-Kwa-s	13:BLK: D.I. Leachate Blank
Sb (diss) [mg/L]	0.0061	< 0.0009	0.0031	0.0067	< 0.0009	< 0.0009
Se (diss) [mg/L]	0.00033	0.00086	0.00021	0.00035	0.00088	< 0.00004
Si (diss) [mg/L]	1.86	1.47	1.34	1.97	1.46	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0356	0.570	0.0923	0.0417	0.588	0.00008
Ti (diss) [mg/L]	0.00017	< 0.00007	0.00007	0.00045	< 0.00007	< 0.00007
Tl (diss) [mg/L]	0.000005	0.000007	0.000007	0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000303	0.000164	0.000080	0.000260	0.000184	< 0.000002
W (diss) [mg/L]	0.00388	0.00167	0.00290	0.00271	0.00168	< 0.00002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00338	0.00003	0.00053	0.00368	0.00002	< 0.00001
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: Waste Rock OP TIR01
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10-January-2024

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Date Rec. : 14 November 2023
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Reference: Meliadone - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000865-T R01C-10045MS5 -Kwa-s	6: ARDG-000866-T R01C-10045MS5 -Kwa-s	7: ARDG-000867-T R01C-10045MS5 -Kwa-s
Sample Date & Time					31-Oct-23	31-Oct-23	31-Oct-23
Ag [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	< 0.5	< 0.5	< 0.5
Al [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	74000	77000	82000
As [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	91	110	190
Ba [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	1400	2100	1200
Be [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	1.4	2.0	1.5
Bi [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	0.19	1.4	7.3
Ca [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	17000	13000	15000
Cd [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	0.10	0.10	0.10
Co [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	22	22	34
Cr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	76	72	72
Cu [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	52	46	52
Fe [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	35000	36000	35000
K [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	18000	19000	18000
Li [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	35	38	36
Mg [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	14000	14000	12000
Mn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	420	400	380
Mo [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	1.6	2.4	1.6
Ni [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	65	68	72
Pb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	22	110	19
Sb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	< 0.8	< 0.8	< 0.8
Se [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	0.3	0.4	0.3
Sn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	< 6	< 6	< 6
Sr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	390	510	430
Ti [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	2500	2300	2100
Tl [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	0.48	0.50	0.51
U [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	1.35	1.50	1.59
V [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	84	82	79
Y [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	5.99	8.44	7.41
Zn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:01	68	88	72

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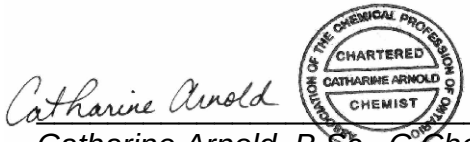
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19113-NOV23**

Analysis	**8: ARDG-000868-TR01C-10045MS5-Kwa-s**	**9: ARDG-000869-TR01C-10045MS5-Kwa-s**	**10: ARDG-000870-TR01C-10045MS5-Kwa-s**	**11: ARDG-000871-TR01C-10045MS5-Kwa-s**
Sample Date & Time	31-Oct-23	31-Oct-23	31-Oct-23	31-Oct-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	82000	60000	90000	86000
As [µg/g]	160	530	480	69
Ba [µg/g]	990	290	960	920
Be [µg/g]	1.3	0.96	1.5	1.4
Bi [µg/g]	13	1.4	1.1	0.21
Ca [µg/g]	13000	21000	10000	13000
Cd [µg/g]	0.07	0.12	0.08	0.08
Co [µg/g]	42	17	19	19
Cr [µg/g]	70	84	90	78
Cu [µg/g]	44	111	15	47
Fe [µg/g]	33000	95000	80000	36000
K [µg/g]	17000	10000	17000	18000
Li [µg/g]	36	41	61	39
Mg [µg/g]	13000	12000	18000	14000
Mn [µg/g]	340	610	400	340
Mo [µg/g]	1.5	1.5	1.6	1.6
Ni [µg/g]	72	45	58	65
Pb [µg/g]	22	11	11	12
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.7	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	360	190	240	370
Ti [µg/g]	2000	1600	2200	1700
Tl [µg/g]	0.46	0.25	0.43	0.44
U [µg/g]	1.46	1.12	1.70	1.54
V [µg/g]	78	59	91	87
Y [µg/g]	7.31	6.28	6.88	7.52
Zn [µg/g]	74	73	100	82



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

27-December-2023

Date Rec. : 21 November 2023
LR Report: **CA19184-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000872 -TIR01C-1005 0MS21-Mv	6: ARDG-000873 -TIR01C-1005 0MS21-Mv	7: ARDG-000874 -TIR01C-1005 0MS21-Mv	8: ARDG-000875 -TIR01C-1005 0MS21-Mv	9: ARDG-000876 -TIR01C-1005 0MS21-Mv	10: ARDG-000877 -TIR01C-1005 0MS21-Mv
Sample Date & Time					06-Nov-23	06-Nov-23	06-Nov-23	06-Nov-23	06-Nov-23	06-Nov-23
Sample weight [g]	19-Dec-23	15:11	21-Dec-23	15:57	250.28	249.66	250.75	250.51	250.13	249.20
Volume D.I. Water [mL]	19-Dec-23	15:11	21-Dec-23	15:57	750	750	750	750	750	750
pH [no unit]	19-Dec-23	15:11	21-Dec-23	15:57	8.64	9.27	8.37	8.93	8.68	9.17
pH [No unit]	21-Dec-23	08:54	21-Dec-23	15:27	8.13	8.12	8.01	8.10	7.89	7.91
Conductivity [uS/cm]	21-Dec-23	08:54	21-Dec-23	15:27	376	323	376	232	181	242
Alkalinity [mg/L as CaCO3]	21-Dec-23	08:54	21-Dec-23	15:27	85	78	68	67	45	47
SO4 [mg/L]	22-Dec-23	13:13	22-Dec-23	15:52	70	59	69	29	14	20
Hg (diss) [mg/L]	22-Dec-23	08:48	22-Dec-23	12:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	0.348	0.382	0.352	0.541	0.585	0.501
As (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	0.0976	0.0850	0.0231	0.0126	0.0020	0.0010
Ba (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	0.00171	0.00188	0.00573	0.00117	0.0269	0.00117
B (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	0.023	0.022	0.027	0.021	0.018	0.011
Be (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19184-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000872 -TIR01C-1005 0MS21-Mv	6: ARDG-000873 -TIR01C-1005 0MS21-Mv	7: ARDG-000874 -TIR01C-1005 0MS21-Mv	8: ARDG-000875 -TIR01C-1005 0MS21-Mv	9: ARDG-000876 -TIR01C-1005 0MS21-Mv	10: ARDG-000877 -TIR01C-1005 0MS21-Mv
Ca (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	19.0	17.0	15.9	10.9	9.26	13.3
Cd (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	0.000376	0.000213	0.000084	0.000049	0.000009	0.000019
Cr (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	< 0.00008	< 0.00008	0.00008	< 0.00008	< 0.00008	0.00016
Cu (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	< 0.0002	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	< 0.007	< 0.007	0.021	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	11.7	9.93	6.89	7.34	5.60	4.39
Li (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	0.0040	0.0031	0.0042	0.0025	0.0014	0.0014
Mg (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	14.6	11.9	11.7	6.54	2.29	4.46
Mn (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:51	0.0100	0.00703	0.00510	0.00309	0.00147	0.00286
Mo (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	0.0117	0.00577	0.00625	0.00707	0.00173	0.00212
Na (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	25.7	21.5	36.6	21.4	20.3	22.9
Ni (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	0.0015	0.0008	0.0003	0.0002	< 0.0001	0.0001
Pb (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	0.0048	0.0040	0.0023	0.0010	< 0.0009	< 0.0009
Se (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	0.00444	0.00304	0.00428	0.00171	0.00024	0.00037
Si (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	1.77	1.64	1.72	1.38	1.17	1.18
Sn (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	0.0323	0.0325	0.0290	0.0184	0.0387	0.0331
Ti (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	0.00008	< 0.00007	< 0.00007	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	< 0.000005	0.000007	0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	0.000371	0.000220	0.000070	0.000026	0.000003	0.000004
W (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	0.00218	0.00163	0.00394	0.00139	0.00069	0.00086
Y (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	0.00101	0.00100	0.00087	0.00084	0.00094	0.00076
Zn (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:50	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19184-NOV23**

Analysis	11: ARDG-000878 -TIR01C-1005 0MS21-Mv	12: ARDG-000879 -TIR01C-1005 0MS21-Mv	13: ARDG-000880 -TIR01C-1005 0MS21-Mv
Sample Date & Time	06-Nov-23	06-Nov-23	06-Nov-23
Sample weight [g]	250.10	249.60	249.98
Volume D.I. Water [mL]	750	750	750
pH [no unit]	9.02	9.01	8.99
pH [No unit]	7.78	7.82	7.78
Conductivity [uS/cm]	173	137	148
Alkalinity [mg/L as CaCO3]	34	34	35
SO4 [mg/L]	12	15	20
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.646	0.597	0.654
As (diss) [mg/L]	0.0013	0.0019	0.0015
Ba (diss) [mg/L]	0.00135	0.00073	0.00103
B (diss) [mg/L]	0.013	0.011	0.011
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	10.9	10.9	12.0
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000016	0.000012	0.000013
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	1.65	0.900	1.27
Li (diss) [mg/L]	0.0010	0.0011	0.0009
Mg (diss) [mg/L]	2.18	2.46	2.32
Mn (diss) [mg/L]	0.00150	0.00151	0.00188
Mo (diss) [mg/L]	0.00238	0.00179	0.00328
Na (diss) [mg/L]	18.3	11.1	11.9
Ni (diss) [mg/L]	0.0002	0.0001	0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19184-NOV23**

Analysis	11: ARDG-000878 -TIR01C-1005 0MS21-Mv	12: ARDG-000879 -TIR01C-1005 0MS21-Mv	13: ARDG-000880 -TIR01C-1005 0MS21-Mv
Sb (diss) [mg/L]	0.0010	0.0015	0.0019
Se (diss) [mg/L]	0.00017	0.00018	0.00016
Si (diss) [mg/L]	1.34	1.42	1.40
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0185	0.0214	0.0233
Ti (diss) [mg/L]	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000003	0.000002	0.000003
W (diss) [mg/L]	0.00254	0.00124	0.00185
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00115	0.00131	0.00117
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

09-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 21 November 2023
LR Report: **CA19182-NOV23**
Reference: Meliadine - PO#1254179

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000872-TI R01C-10050MS2 1-Mv	6: ARDG-000873-TI R01C-10050MS2 1-Mv	7: ARDG-000874-TI R01C-10050MS2 1-Mv
Sample Date & Time					06-Nov-23	06-Nov-23	06-Nov-23
Paste pH [no unit]	21-Dec-23	13:17	21-Dec-23	16:15	8.51	8.54	8.71
Fizz Rate [rating]	19-Dec-23	15:31	21-Dec-23	16:15	3	3	3
Sample weight [g]	19-Dec-23	12:42	21-Dec-23	16:15	2.03	2.34	2.06
HCl_add [mL]	20-Dec-23	16:13	21-Dec-23	16:15	176.00	182.60	142.20
HCl [Normality]	19-Dec-23	15:50	21-Dec-23	16:15	0.10	0.10	0.10
NaOH [Normality]	19-Dec-23	15:50	21-Dec-23	16:15	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-23	14:06	21-Dec-23	16:15	58.00	46.58	55.74
Final pH [no unit]	20-Dec-23	16:13	21-Dec-23	16:15	1.64	1.85	1.68
NP [t CaCO3/1000 t]	21-Dec-23	14:06	21-Dec-23	16:15	291	291	210
AP [t CaCO3/1000 t]	21-Dec-23	14:06	02-Jan-24	15:51	5.00	5.00	9.06
Net NP [t CaCO3/1000 t]	21-Dec-23	14:06	02-Jan-24	15:51	286	286	201
NP/AP [ratio]	21-Dec-23	14:06	02-Jan-24	15:51	58.1	58.1	23.2
S [%]	21-Dec-23	09:05	02-Jan-24	13:05	0.279	0.256	0.355
Acid Leachable SO4-S [%]	02-Jan-24	09:47	02-Jan-24	13:05	0.12	0.10	0.06
Sulphide [%]	02-Jan-24	09:38	02-Jan-24	13:05	0.16	0.16	0.29
C [%]	21-Dec-23	09:05	28-Dec-23	16:58	4.55	4.51	4.27
CO3 (HCl) as %CO3 [%]	27-Dec-23	15:51	28-Dec-23	16:58	22.3	22.2	20.6

Analysis	8: ARDG-000875-TI R01C-10050MS2 1-Mv	9: ARDG-000876-TI R01C-10050MS2 1-Mv	10: ARDG-000877-TI R01C-10050MS2 1-Mv	11: ARDG-000878-TI R01C-10050MS2 1-Mv	12: ARDG-000879-TI R01C-10050MS2 1-Mv	13: ARDG-000880-TI R01C-10050MS2 1-Mv
Sample Date & Time	06-Nov-23	06-Nov-23	06-Nov-23	06-Nov-23	06-Nov-23	06-Nov-23
Paste pH [no unit]	8.83	8.69	8.80	8.89	8.75	8.95
Fizz Rate [rating]	3	3	3	3	3	3
Sample weight [g]	2.04	2.38	2.49	2.20	2.13	2.32
HCl_add [mL]	136.40	152.20	176.30	109.20	98.70	111.40
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	37.56	42.82	48.79	32.77	31.52	23.75

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19182-NOV23**

Analysis	8: ARDG-000875-TI R01C-10050MS2 1-Mv	9: ARDG-000876-TI R01C-10050MS2 1-Mv	10: ARDG-000877-TI R01C-10050MS2 1-Mv	11: ARDG-000878-TI R01C-10050MS2 1-Mv	12: ARDG-000879-TI R01C-10050MS2 1-Mv	13: ARDG-000880-TI R01C-10050MS2 1-Mv
Final pH [no unit]	1.60	1.61	1.62	1.52	1.52	1.59
NP [t CaCO3/1000 t]	242	230	256	174	158	189
AP [t CaCO3/1000 t]	5.62	3.44	4.38	3.75	3.12	2.19
Net NP [t CaCO3/1000 t]	237	226	252	170	155	187
NP/AP [ratio]	43.1	66.9	58.5	46.3	50.5	86.4
S [%]	0.221	0.160	0.175	0.173	0.112	0.352
Acid Leachable SO4-S [%]	0.04	0.05	< 0.04	0.05	< 0.04	0.28
Sulphide [%]	0.18	0.11	0.14	0.12	0.10	0.07
C [%]	3.94	3.00	3.35	2.28	2.08	2.96
CO3 (HCl) as %CO3 [%]	19.3	14.4	16.3	10.8	9.61	13.4

Reissued as original reporting attempt failed

ABA - Modified Sobek

*NP (Neutralization Potential)
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

                        Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
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Meliadine
, Nunavut
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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

27-December-2023

Date Rec. : 21 November 2023
LR Report: **CA19183-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000872 -TIR01C-1005 0MS21-Mv	6: ARDG-000873 -TIR01C-1005 0MS21-Mv	7: ARDG-000874 -TIR01C-1005 0MS21-Mv	8: ARDG-000875 -TIR01C-1005 0MS21-Mv	9: ARDG-000876 -TIR01C-1005 0MS21-Mv	10: ARDG-000877 -TIR01C-1005 0MS21-Mv
Sample Date & Time					06-Nov-23	06-Nov-23	06-Nov-23	06-Nov-23	06-Nov-23	06-Nov-23
Ag [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	64000	64000	65000	67000	70000	66000
As [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	240	210	60	48	6.4	10
Ba [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	140	180	91	110	99	80
Be [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.72	0.77	0.43	0.70	0.33	0.34
Bi [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	84000	83000	86000	84000	87000	97000
Cd [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.14	0.15	0.17	0.14	0.09	0.12
Co [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	43	45	47	43	46	50
Cr [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	67	66	110	89	140	74
Cu [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	110	94	100	93	95	110
Fe [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	68000	69000	66000	65000	69000	72000
K [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	11000	11000	6500	9600	4600	2800
Li [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	29	29	53	48	77	59
Mg [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	27000	28000	30000	28000	31000	28000

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19183-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000872 -TIR01C-1005 0MS21-Mv	6: ARDG-000873 -TIR01C-1005 0MS21-Mv	7: ARDG-000874 -TIR01C-1005 0MS21-Mv	8: ARDG-000875 -TIR01C-1005 0MS21-Mv	9: ARDG-000876 -TIR01C-1005 0MS21-Mv	10: ARDG-000877 -TIR01C-1005 0MS21-Mv
Mn [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	1800	1800	1700	1700	1600	2000
Mo [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	1.0	1.2	1.4	1.0	0.8	0.6
Ni [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	120	120	120	130	130	130
Pb [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	8	9	6	5	2	3
Sb [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.3	0.3	0.4	0.3	0.4	0.4
Sn [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	120	120	99	110	73	91
Ti [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	2200	1900	1600	1500	420	2300
Tl [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.40	0.40	0.23	0.42	0.18	0.11
U [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	0.21	0.17	0.14	0.12	0.076	0.094
V [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	190	190	170	180	190	190
Y [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	7.6	6.6	7.1	5.9	7.7	11
Zn [µg/g]	27-Dec-23	13:12	27-Dec-23	16:07	77	72	65	71	74	81

Analysis	11: ARDG-000878 -TIR01C-1005 0MS21-Mv	12: ARDG-000879 -TIR01C-1005 0MS21-Mv	13: ARDG-000880 -TIR01C-1005 0MS21-Mv
Sample Date & Time	06-Nov-23	06-Nov-23	06-Nov-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	73000	73000	65000
As [µg/g]	6.8	9.4	9.9
Ba [µg/g]	32	21	41
Be [µg/g]	0.31	0.29	0.35
Bi [µg/g]	< 0.09	< 0.09	< 0.09
Ca [µg/g]	84000	91000	120000
Cd [µg/g]	0.08	0.13	0.14
Co [µg/g]	46	46	49

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19183-NOV23**

Analysis	11: ARDG-000878 -TIR01C-1005 0MS21-Mv	12: ARDG-000879 -TIR01C-1005 0MS21-Mv	13: ARDG-000880 -TIR01C-1005 0MS21-Mv
Cr [µg/g]	110	100	76
Cu [µg/g]	100	97	100
Fe [µg/g]	75000	72000	71000
K [µg/g]	690	530	730
Li [µg/g]	63	56	47
Mg [µg/g]	33000	31000	27000
Mn [µg/g]	1700	1800	2200
Mo [µg/g]	0.9	1.1	0.4
Ni [µg/g]	130	140	120
Pb [µg/g]	2	3	3
Sb [µg/g]	< 0.8	0.9	1.2
Se [µg/g]	0.4	0.3	0.5
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	100	140	120
Ti [µg/g]	1200	1000	2400
Tl [µg/g]	0.03	< 0.02	0.03
U [µg/g]	0.083	0.067	0.15
V [µg/g]	190	190	190
Y [µg/g]	14	14	15
Zn [µg/g]	79	78	79

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

27-December-2023

Date Rec. : 28 November 2023
LR Report: **CA19236-NOV23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000881-TIR01C-10047MS01-Kwa-s	6: ARDG-000882-TIR01C-10047MS01-Kwa-s	7: ARDG-000883-TIR01C-10047MS01-Kwa-s	8: ARDG-000884-TIR01C-10047MS01-Kwa-s	9: ARDG-000885-TIR01C-10047MS01-Kwa-s	10: ARDG-000886-TIR01C-10047MS01-Kwa-s
Sample Date & Time					11-Nov-23	11-Nov-23	11-Nov-23	11-Nov-23	11-Nov-23	11-Nov-23
Ag [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5
Al [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	77000	81000	74000	74000	65000	69000
As [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	100	130	52	67	38	38
Ba [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	690	720	560	690	710	800
Be [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	1.3	1.5	1.4	1.5	1.4	1.5
Bi [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	0.20	0.17	0.21	0.17	0.22	0.67
Ca [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	11000	12000	13000	13000	11000	9500
Cd [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	0.08	0.09	0.13	0.13	0.09	0.23
Co [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	25	23	21	21	21	20
Cr [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	66	79	80	90	100	65
Cu [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	44	44	39	57	48	47
Fe [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	43000	43000	39000	39000	41000	40000
K [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	21000	19000	16000	12000	18000	19000
Li [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	39	44	36	38	45	45
Mg [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	16000	17000	15000	15000	16000	16000

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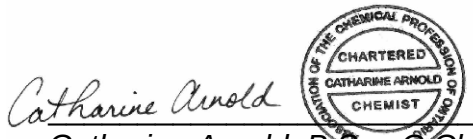
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19236-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000881-TIR01C-10047MS01-Kwa-s	6: ARDG-000882-TIR01C-10047MS01-Kwa-s	7: ARDG-000883-TIR01C-10047MS01-Kwa-s	8: ARDG-000884-TIR01C-10047MS01-Kwa-s	9: ARDG-000885-TIR01C-10047MS01-Kwa-s	10: ARDG-000886-TIR01C-10047MS01-Kwa-s
Mn [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	350	360	360	350	340	300
Mo [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	2.2	2.2	2.2	2.3	2.3	2.3
Ni [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	77	80	76	74	76	76
Pb [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	16	15	19	18	17	300
Sb [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	0.2	0.2	0.2	0.3	0.2	0.3
Sn [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	280	290	280	280	240	260
Ti [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	750	780	750	770	960	820
Tl [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	0.49	0.49	0.47	0.49	0.46	0.46
U [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	1.7	1.8	1.0	1.7	1.7	1.5
V [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	90	93	83	79	84	79
Y [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	5.2	5.6	4.8	5.7	4.6	4.9
Zn [µg/g]	27-Dec-23	13:12	27-Dec-23	16:08	84	86	76	82	82	91



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

22-December-2023

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Date Rec. : 28 November 2023
LR Report: **CA19237-NOV23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000881 -TIR01C-1004 7MS01-Kwa-s	6: ARDG-000882 -TIR01C-1004 7MS01-Kwa-s	7: ARDG-000883 -TIR01C-1004 7MS01-Kwa-s
Sample Date & Time					11-Nov-23	11-Nov-23	11-Nov-23
Sample weight [g]	17-Dec-23	07:37	18-Dec-23	16:16	251	248	251
Volume D.I. Water [mL]	17-Dec-23	07:37	18-Dec-23	16:16	750	750	750
pH [no unit]	17-Dec-23	07:37	18-Dec-23	16:16	9.22	9.16	9.07
pH [No unit]	19-Dec-23	08:16	20-Dec-23	10:22	8.45	8.48	8.36
Conductivity [uS/cm]	19-Dec-23	08:16	20-Dec-23	10:22	193	245	201
Alkalinity [mg/L as CaCO3]	19-Dec-23	08:16	20-Dec-23	10:22	54	52	55
SO4 [mg/L]	19-Dec-23	12:45	21-Dec-23	17:50	15	16	33
Hg (diss) [mg/L]	20-Dec-23	08:18	20-Dec-23	15:02	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.872	0.766	0.583
As (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.0431	0.0379	0.101
Ba (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.00276	0.00264	0.00240
B (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.014	0.016	0.012
Be (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	7.95	8.93	9.73
Cd (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.000006	0.000004	< 0.000003
Co (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.000081	0.000097	0.000042
Cr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	18.2	20.3	15.3
Li (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.0011	0.0011	0.0012
Mg (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	2.55	2.97	3.76
Mn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.00086	0.00093	0.00121
Mo (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.00794	0.00878	0.00370
Na (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	20.6	28.0	19.3
Ni (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.0001	0.0001	0.0002

OnLine LIMS

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0003572725

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19237-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000881 -TIR01C-1004 7MS01-Kwa-s	6: ARDG-000882 -TIR01C-1004 7MS01-Kwa-s	7: ARDG-000883 -TIR01C-1004 7MS01-Kwa-s
Pb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.0079	0.0071	0.0060
Se (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.00023	0.00020	0.00039
Si (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	1.79	1.75	1.89
Sn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.0397	0.0455	0.0459
Ti (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.00014	< 0.00007	< 0.00007
Tl (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.000010	0.000010	< 0.000005
U (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.000139	0.000083	0.000222
W (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.00180	0.00168	0.00205
Y (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	0.00240	0.00202	0.00195
Zn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:34	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000884 -TIR01C-1004 7MS01-Kwa-s	9: ARDG-000885 -TIR01C-1004 7MS01-Kwa-s	10: ARDG-000886 -TIR01C-1004 7MS01-Kwa-s	11: ARDG-000885 -TIR01C-1004 7MS01-Kwa-s
Sample Date & Time	11-Nov-23	11-Nov-23	11-Nov-23	
Sample weight [g]	250	250	250	249
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.69	9.11	8.98	9.10
pH [No unit]	8.25	8.30	8.29	8.31
Conductivity [uS/cm]	228	212	176	213
Alkalinity [mg/L as CaCO3]	53	46	46	48
SO4 [mg/L]	34	31	22	30
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.636	0.623	0.697	0.663
As (diss) [mg/L]	0.110	0.0883	0.0602	0.0895
Ba (diss) [mg/L]	0.00274	0.00234	0.00225	0.00249
B (diss) [mg/L]	0.020	0.016	0.014	0.018
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	10.8	8.69	6.92	8.98
Cd (diss) [mg/L]	0.000005	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000088	0.000063	0.000024	0.000035
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	0.0003	0.0004	< 0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	18.8	17.9	14.8	18.6
Li (diss) [mg/L]	0.0016	0.0010	0.0010	0.0012
Mg (diss) [mg/L]	4.16	2.80	2.06	2.90

OnLine LIMS

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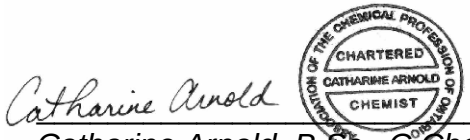
SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19237-NOV23**

Analysis	8: ARDG-000884 -TIR01C-1004 7MS01-Kwa-s	9: ARDG-000885 -TIR01C-1004 7MS01-Kwa-s	10: ARDG-000886 -TIR01C-1004 7MS01-Kwa-s	11: ARDG-000885 -TIR01C-1004 7MS01-Kwa-s
Mn (diss) [mg/L]	0.00182	0.00115	0.00087	0.00103
Mo (diss) [mg/L]	0.00690	0.00399	0.00610	0.00409
Na (diss) [mg/L]	23.3	22.5	17.6	23.0
Ni (diss) [mg/L]	0.0002	0.0002	0.0002	0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00028	< 0.00009
Sb (diss) [mg/L]	0.0052	0.0070	0.0104	0.0069
Se (diss) [mg/L]	0.00029	0.00035	0.00021	0.00036
Si (diss) [mg/L]	2.03	1.79	1.71	1.88
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0479	0.0433	0.0362	0.0418
Ti (diss) [mg/L]	< 0.00007	0.00009	0.00007	0.00010
Tl (diss) [mg/L]	0.000006	0.000008	0.000007	0.000005
U (diss) [mg/L]	0.000299	0.000170	0.000143	0.000173
W (diss) [mg/L]	0.00189	0.00162	0.00146	0.00173
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00197	0.00216	0.00188	0.00205
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003572725

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

09-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 28 November 2023
LR Report: **CA19235-NOV23**
Reference: Meliadine - PO#1254179

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000881-TI R01C-10047MS0 1-Kwa-s	6: ARDG-000882-TI R01C-10047MS0 1-Kwa-s	7: ARDG-000883-TI R01C-10047MS0 1-Kwa-s	8: ARDG-000884-TI R01C-10047MS0 1-Kwa-s	9: ARDG-000885-TI R01C-10047MS0 1-Kwa-s	10: ARDG-000886-TI R01C-10047MS0 1-Kwa-s
Sample Date & Time					11-Nov-23	11-Nov-23	11-Nov-23	11-Nov-23	11-Nov-23	11-Nov-23
Paste pH [no unit]	21-Dec-23	13:17	21-Dec-23	16:15	8.96	9.08	8.87	8.99	9.13	9.09
Fizz Rate [rating]	19-Dec-23	15:31	21-Dec-23	16:15	3	3	3	3	3	3
Sample weight [g]	19-Dec-23	12:42	21-Dec-23	16:15	2.44	2.19	2.04	2.16	2.13	2.89
HCl_add [mL]	20-Dec-23	16:13	21-Dec-23	16:15	28.90	29.10	29.50	39.20	29.00	36.60
HCl [Normality]	19-Dec-23	15:50	21-Dec-23	16:15	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	19-Dec-23	15:50	21-Dec-23	16:15	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-23	14:06	21-Dec-23	16:15	9.60	11.27	9.38	18.02	12.71	20.60
Final pH [no unit]	20-Dec-23	16:13	21-Dec-23	16:15	1.82	1.83	1.88	1.53	1.53	1.59
NP [t CaCO3/1000 t]	21-Dec-23	14:06	21-Dec-23	16:15	39.6	40.7	49.3	49.0	38.2	27.7
AP [t CaCO3/1000 t]	21-Dec-23	14:06	02-Jan-24	15:49	2.81	4.38	6.25	6.56	4.06	4.38
Net NP [t CaCO3/1000 t]	21-Dec-23	14:06	02-Jan-24	15:49	36.8	36.3	43.0	42.4	34.1	23.3
NP/AP [ratio]	21-Dec-23	14:06	02-Jan-24	15:49	14.1	9.30	7.89	7.47	9.40	6.33
S [%]	21-Dec-23	09:05	02-Jan-24	13:05	0.219	0.205	0.332	0.337	0.212	0.242
Acid Leachable SO4-S [%]	02-Jan-24	09:47	02-Jan-24	13:05	0.13	0.06	0.13	0.13	0.08	0.10
Sulphide [%]	02-Jan-24	09:38	02-Jan-24	13:05	0.09	0.14	0.20	0.21	0.13	0.14
C [%]	21-Dec-23	09:05	28-Dec-23	16:57	0.617	0.638	0.795	0.778	0.637	0.499
CO3 (HCl) as %CO3 [%]	27-Dec-23	15:51	28-Dec-23	16:57	2.62	2.71	3.38	3.27	2.34	1.87

Reissued as original reporting attempt failed

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19235-NOV23**

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003585322

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

08-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 29 November 2023
LR Report: **CA19244-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000887 -TIR01C-1004 5MS03-Kwa-s	6: ARDG-000888 -TIR01C-1004 5MS03-Kwa-s	7: ARDG-000889 -TIR01C-1004 5MS03-Ksc-wa
Sample Date & Time					15-Nov-23	15-Nov-23	15-Nov-23
Paste pH [no unit]	20-Dec-23	19:45	22-Dec-23	13:53	9.15	9.12	8.86
Fizz Rate [rating]	20-Dec-23	16:51	22-Dec-23	13:53	3	3	3
Sample weight [g]	20-Dec-23	17:04	22-Dec-23	13:53	1.95	2.00	2.01
HCl_add [mL]	21-Dec-23	15:12	22-Dec-23	13:53	29.60	29.40	28.60
HCl [Normality]	20-Dec-23	15:32	22-Dec-23	13:53	0.10	0.10	0.10
NaOH [Normality]	20-Dec-23	15:32	22-Dec-23	13:53	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-23	16:00	22-Dec-23	13:53	11.70	12.69	12.54
Final pH [no unit]	21-Dec-23	16:00	22-Dec-23	13:53	1.66	1.68	1.59
NP [t CaCO3/1000 t]	21-Dec-23	16:00	22-Dec-23	13:53	45.9	41.8	40.0
AP [t CaCO3/1000 t]	08-Jan-24	14:04	08-Jan-24	14:04	4.06	4.38	1.25
Net NP [t CaCO3/1000 t]	08-Jan-24	14:04	08-Jan-24	14:04	41.8	37.4	38.8
NP/AP [ratio]	08-Jan-24	14:04	08-Jan-24	14:04	11.3	9.55	32.0
S [%]	03-Jan-24	14:08	08-Jan-24	14:04	0.286	0.269	0.123
Acid Leachable SO4-S [%]	08-Jan-24	14:03	08-Jan-24	14:04	0.16	0.13	0.08
Sulphide [%]	04-Jan-24	08:38	08-Jan-24	14:04	0.13	0.14	0.04
C [%]	03-Jan-24	14:08	08-Jan-24	14:04	0.769	0.697	0.552
CO3 (HCl) as %CO3 [%]	04-Jan-24	12:50	08-Jan-24	14:04	3.20	2.98	2.30

Analysis	8: ARDG-000890 -TIR01C-1004 5MS03-MV	9: ARDG-000891 -TIR01C-1004 5MS03-Kwa-s	10: ARDG-000892 -TIR01C-1004 5MS03-Ksc-wa
Sample Date & Time	16-Nov-23	17-Nov-23	17-Nov-23
Paste pH [no unit]	8.66	9.09	9.45
Fizz Rate [rating]	3	3	3
Sample weight [g]	2.07	2.05	1.99
HCl_add [mL]	143.20	29.60	29.10

OnLine LIMS

0003584814

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19244-NOV23**

Analysis	8: ARDG-000890 -TIR01C-1004 5MS03-MV	9: ARDG-000891 -TIR01C-1004 5MS03-Kwa-s	10: ARDG-000892 -TIR01C-1004 5MS03-Ksc-wa
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	43.20	16.37	13.41
Final pH [no unit]	1.59	1.81	1.52
NP [t CaCO3/1000 t]	242	32.3	39.4
AP [t CaCO3/1000 t]	1.88	2.81	1.25
Net NP [t CaCO3/1000 t]	240	29.5	38.2
NP/AP [ratio]	129	11.5	31.5
S [%]	0.108	0.223	0.027
Acid Leachable SO4-S [%]	0.05	0.13	<0.04
Sulphide [%]	0.06	0.09	< 0.04
C [%]	3.29	0.725	0.575
CO3 (HCl) as %CO3 [%]	15.7	3.00	2.32

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

27-December-2023

Date Rec. : 29 November 2023
LR Report: **CA19245-NOV23**
Reference: Meliadine - PO#1254179

Copy: #2

CERTIFICATE OF ANALYSIS
Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000887 -TIR01C-1004 5MS03-Kwa-s	6: ARDG-000888 -TIR01C-1004 5MS03-Kwa-s	7: ARDG-000889 -TIR01C-1004 5MS03-Ksc-wa	8: ARDG-000890 -TIR01C-1004 5MS03-MV	9: ARDG-000891 -TIR01C-1004 5MS03-Kwa-s	10: ARDG-000892 -TIR01C-1004 5MS03-Ksc-wa
Sample Date & Time					15-Nov-23	15-Nov-23	15-Nov-23	16-Nov-23	17-Nov-23	15-Nov-23
Ag [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	69000	53000	54000	76000	68000	63000
As [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	230	240	13	100	240	40
Ba [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	560	500	460	280	700	440
Be [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	1.1	1.2	1.2	0.39	1.4	1.2
Bi [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	0.25	0.21	0.16	< 0.09	0.28	0.13
Ca [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	11000	10000	16000	93000	11000	15000
Cd [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	0.07	0.07	0.07	0.13	0.09	0.08
Co [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	20	21	6.3	49	20	6.2
Cr [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	97	110	54	111	83	31
Cu [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	51	56	39	94	44	29
Fe [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	41000	40000	50000	75000	44000	28000
K [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	18000	16000	14000	6500	21000	19000
Li [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	28	28	31	80	26	25
Mg [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	13000	12000	5500	26000	12000	4100

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19245-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000887 -TIR01C-1004 5MS03-Kwa-s	6: ARDG-000888 -TIR01C-1004 5MS03-Kwa-s	7: ARDG-000889 -TIR01C-1004 5MS03-Ksc-wa	8: ARDG-000890 -TIR01C-1004 5MS03-MV	9: ARDG-000891 -TIR01C-1004 5MS03-Kwa-s	10: ARDG-000892 -TIR01C-1004 5MS03-Ksc-wa
Mn [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	470	560	290	1700	370	230
Mo [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	1.6	1.6	2.4	0.4	2.1	1.9
Ni [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	65	69	9.8	119	64	9.5
Pb [µg/g]	15-Dec-23	19:53	20-Dec-23	13:04	9	10	8	8	27	6
Sb [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	0.3	0.3	< 0.1	0.4	0.4	< 0.1
Sn [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	240	210	310	170	260	300
Ti [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	2900	3000	1600	1600	3000	1600
Tl [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	0.40	0.42	0.27	0.23	0.54	0.26
U [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	1.1	0.79	0.43	0.094	1.6	0.45
V [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	81	83	25	200	75	24
Y [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	4.47	2.88	1.89	9.85	5.37	1.44
Zn [µg/g]	15-Dec-23	19:53	20-Dec-23	13:05	83	83	55	89	70	49

Revised report with sample dates corrected.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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, Nunavut
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mel Works #: Waste Rock OP TIR01
Project : PO#1254179

27-December-2023

Date Rec. : 29 November 2023
LR Report: **CA19246-NOV23**
Reference: Meliadine - PO#1254179

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Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000887-TIR01C-10045MS03-Kwa-s	6: ARDG-000888-TIR01C-10045MS03-Kwa-s	7: ARDG-000889-TIR01C-10045MS03-Ksc-wa	8: ARDG-000890-TIR01C-10045MS03-MV	9: ARDG-000891-TIR01C-10045MS03-Kwa-s	10: ARDG-000892-TIR01C-10045MS03-Ksc-wa	11: ARDG-000892-T$IR01C-10045MS03-Ksc-wa	12:BLK: D.I. Leachate Blank
Sample Date & Time					15-Nov-23	15-Nov-23	15-Nov-23	16-Nov-23	17-Nov-23	17-Nov-23		
Sample weight [g]	18-Dec-23	08:41	19-Dec-23	13:24	250	251	250	251	250	251	252	---
Volume D.I. Water [mL]	18-Dec-23	08:41	19-Dec-23	13:24	750	750	750	750	750	750	750	750
pH [no unit]	18-Dec-23	08:41	19-Dec-23	13:24	9.21	9.23	8.91	8.88	9.14	9.59	9.59	5.82
pH [No unit]	19-Dec-23	16:22	20-Dec-23	11:03	8.17	8.01	7.88	7.98	8.02	8.97	9.04	7.49
Conductivity [uS/cm]	19-Dec-23	16:22	20-Dec-23	11:03	219	200	330	249	216	230	232	18
Alkalinity [mg/L as CaCO3]	19-Dec-23	16:22	20-Dec-23	11:03	59	55	39	62	47	64	67	9
SO4 [mg/L]	20-Dec-23	10:43	21-Dec-23	17:53	13	10	57	18	12	7	7	< 2
Hg (diss) [mg/L]	22-Dec-23	08:48	22-Dec-23	12:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.756	0.779	0.576	0.498	0.895	1.13	1.22	0.002
As (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.119	0.127	0.0097	0.0413	0.0946	0.0619	0.0697	0.0002
Ba (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.00245	0.00242	0.00705	0.00386	0.00352	0.00461	0.00605	< 0.00008
B (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.012	0.012	0.028	0.011	0.013	0.087	0.100	< 0.002
Be (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000012	0.000007	< 0.000007
Bi (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001
Ca (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	8.22	8.67	17.3	12.0	10.8	3.22	3.21	< 0.01
Cd (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.000003	< 0.000003	0.000004	< 0.000003	0.000015	0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.000032	0.000026	0.000013	0.000048	0.000074	0.000117	0.000133	< 0.000004
Cr (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00035	0.00054	< 0.00008
Cu (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0002	0.0005	< 0.0002

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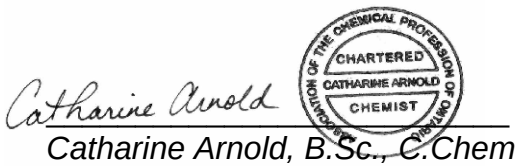
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19246-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000887-TI R01C-10045MS0 3-Kwa-s	6: ARDG-000888-TI R01C-10045MS0 3-Kwa-s	7: ARDG-000889-T IR01C-10045MS 03-Ksc-wa	8: ARDG-000890-T IR01C-10045MS 03-MV	9: ARDG-000891-TI R01C-10045MS0 3-Kwa-s	10: ARDG-000892-T IR01C-10045MS 03-Ksc-wa	11: ARDG-000892-T IR01C-10045MS 03-Ksc-wa	12:BLK: $D.I. Leachate Blank
Fe (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.317	0.360	< 0.007
K (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	18.0	14.9	15.6	7.97	16.1	15.5	15.6	0.014
Li (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.0022	0.0019	0.0028	0.0020	0.0015	0.0019	0.0020	< 0.0001
Mg (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	2.75	2.62	2.18	5.06	2.63	0.422	0.420	0.001
Mn (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.00115	0.00100	0.00137	0.00323	0.00107	0.00126	0.00153	0.00004
Mo (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.00667	0.00696	0.00861	0.00181	0.0334	0.00582	0.00535	0.00027
Na (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	17.8	15.7	29.6	23.4	13.8	29.9	31.4	0.01
Ni (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	< 0.0001
Pb (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00030	0.00034	< 0.00009
Sb (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.0071	0.0066	0.0021	0.0011	0.0048	0.0036	0.0036	< 0.0009
Se (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.00041	0.00033	0.00014	0.00076	0.00020	0.00024	0.00020	< 0.00004
Si (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	2.26	2.11	2.00	1.54	1.60	3.63	3.86	< 0.02
Sn (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.0370	0.0380	0.170	0.0440	0.0539	0.0208	0.0204	< 0.00008
Ti (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.00015	0.00011	0.00009	< 0.00007	0.00011	0.00519	0.00607	< 0.00007
Tl (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.000005	< 0.000005	< 0.000005	0.000006	0.000013	0.000063	0.000107	< 0.000005
U (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.000382	0.000324	0.000428	0.000006	0.000199	0.000616	0.000625	< 0.000002
W (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.00266	0.00193	0.00233	0.00069	0.00280	0.00441	0.00449	0.00005
Y (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00004	0.00007	< 0.00002
V (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	0.00286	0.00273	0.00035	0.00117	0.00154	0.00364	0.00413	< 0.00001
Zn (diss) [mg/L]	22-Dec-23	11:49	22-Dec-23	12:56	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

22-December-2023

Agnico Eagle Mines Limited
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Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 07 December 2023
LR Report: **CA19075-DEC23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000893-TI T01C-10045MS5 9-MV	6: ARDG-000894-TI T01C-10045MS5 9-MW	7: ARDG-000895-TI T01C-10045MS5 9-MX	8: ARDG-000896-TI T01C-10045MS5 9-MY
Sample Date & Time					18-Nov-23	18-Nov-23	19-Nov-23	19-Nov-23
Sample weight [g]	17-Dec-23	07:37	18-Dec-23	16:14	250	250	250	249
Volume D.I. Water [mL]	17-Dec-23	07:37	18-Dec-23	16:14	750	750	750	750
pH [no unit]	17-Dec-23	07:37	18-Dec-23	16:14	8.82	8.70	8.79	9.03
pH [No unit]	19-Dec-23	08:16	20-Dec-23	10:20	8.30	8.06	8.02	8.15
Conductivity [uS/cm]	19-Dec-23	08:16	20-Dec-23	10:20	236	133	143	201
Alkalinity [mg/L as CaCO3]	19-Dec-23	08:16	20-Dec-23	10:20	68	51	36	43
SO4 [mg/L]	19-Dec-23	12:45	21-Dec-23	17:49	22	5	5	14
Hg (diss) [mg/L]	20-Dec-23	08:18	20-Dec-23	15:01	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.400	0.646	0.622	0.398
As (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.0015	0.0011	0.0014	0.0023
Ba (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.00311	0.00761	0.00925	0.230
B (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.012	0.005	0.008	0.010
Be (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	12.3	9.64	9.75	11.8
Cd (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	< 0.000003	< 0.000003	0.000003	0.000004
Co (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.000034	0.000004	0.000006	0.000035
Cr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.0005	< 0.0002	< 0.0002	0.0010
Fe (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.018	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	5.59	2.94	3.86	5.29
Li (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.0020	0.0006	0.0009	0.0011
Mg (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	9.18	1.78	2.05	4.05
Mn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.00439	0.00076	0.00117	0.00221
Mo (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.00417	0.00143	0.00439	0.00274
Na (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	26.8	14.7	15.4	20.0
Ni (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.0002	< 0.0001	< 0.0001	0.0002
Pb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.00014	< 0.00009	< 0.00009	0.00011
Sb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	< 0.0009	0.0028	< 0.0009	0.0009
Se (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.00030	0.00009	0.00007	0.00010
Si (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	1.41	1.03	1.07	1.41
Sn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.0240	0.0467	0.0358	0.303
Ti (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.00007	< 0.00007	< 0.00007	< 0.00007

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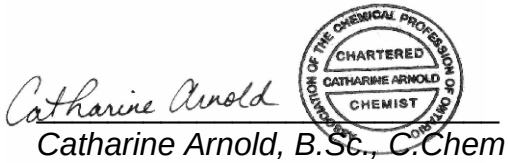
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19075-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000893-TI T01C-10045MS5 9-MV	6: ARDG-000894-TI T01C-10045MS5 9-MW	7: ARDG-000895-TI T01C-10045MS5 9-MX	8: ARDG-000896-TI T01C-10045MS5 9-MY
Tl (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.000006	0.000008	0.000006	0.000011
U (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.000010	< 0.000002	< 0.000002	0.000005
W (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.00090	0.00219	0.00087	0.00086
Y (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	0.00060	0.00090	0.00090	0.00113
Zn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:38	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003572774

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

04-January-2024

Date Rec. : 07 December 2023
LR Report: **CA19074-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000893-TIT01C-100 45MS59-MV	6: ARDG-000894-TIT01C-100 45MS59-MW	7: ARDG-000895-TIT01C-100 45MS59-MX	8: ARDG-000896-TIT01C-100 45MS59-MY
Sample Date & Time					18-Nov-23	18-Nov-23	19-Nov-23	18-Nov-23
Silver [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	< 0.5	< 0.5	< 0.5	< 0.5
Aluminum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	78000	82000	81000	75000
Arsenic [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	19	8.7	13	22
Barium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	250	530	36	1400
Beryllium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	0.43	0.43	0.30	1.5
Bismuth [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	100000	89000	98000	110000
Cadmium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	0.18	0.11	0.14	0.11
Cobalt [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	46	52	54	47
Chromium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	116	117	103	113
Copper [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	85	112	123	131
Iron [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	62000	79000	76000	64000
Potassium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	6600	3000	3100	5200
Lithium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	39	58	58	45
Magnesium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	30000	35000	36000	35000
Manganese [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	2100	1700	1900	1900
Molybdenum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	0.8	0.5	0.6	1.0
Nickel [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	126	138	142	170
Lead [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	8	8	3	12

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SGS Canada Inc.
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19074-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000893-TIT01C-100 45MS59-MV	6: ARDG-000894-TIT01C-100 45MS59-MW	7: ARDG-000895-TIT01C-100 45MS59-MX	8: ARDG-000896-TIT01C-100 45MS59-MY
Antimony [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	0.4	0.4	0.5	0.7
Tin [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	< 6	< 6	< 6	< 6
Strontium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	150	170	160	590
Titanium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	710	3800	1100	760
Thallium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	0.25	0.18	0.11	0.16
Uranium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	0.080	0.11	0.062	0.49
Vanadium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	190	240	220	180
Yttrium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	5.0	13	14	18
Zinc [µg/g]	04-Jan-24	13:37	04-Jan-24	11:56	67	95	91	84

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8

Chris Sullivan

CHARTERED
Christopher Sullivan
CHEMIST

Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19074-DEC23**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
**QCR_SubCategory* - QCBatchID: EMS0005-JAN24*													
Calcium	3	µg/g	<3			1		109			104		
Potassium	3	µg/g	<3			3		93			101		
Metals - Microwave/ICP-MS - QCBatchID: EMS0005-JAN24													
Aluminum	3	µg/g	<3			3	20	108	70	130	112	70	130
Antimony	0.8	µg/g	<0.8			0	20	109	70	130	119	70	130
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	97	70	130
Barium	0.01	µg/g	<0.01			3	20	94	70	130	105	70	130
Beryllium	0.02	µg/g	<0.02			8	20	105	70	130	103	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			8	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	105	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130
Copper	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			7	20	102	70	130	112	70	130
Lithium	2	µg/g	<2			3	20	90	70	130	117	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	106	70	130
Manganese	0.1	µg/g	<0.1			3	20	101	70	130	107	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	96	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			13	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.01			19	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	92	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	107	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	106	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			4	20	99	70	130	98	70	130
Vanadium	1	µg/g	<1			1	20	107	70	130	102	70	130
Yttrium	0.004	µg/g	<0.004			2	20	92	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	99	70	130

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ABA - Modified Sobek
Works #: Waste Rock OP TIR01
Project : PO#1254179

08-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 07 December 2023
LR Report: **CA19073-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000893-TIT01C-10045 MS59-MV	6: ARDG-000894-TIT01C-10045 MS59-MW	7: ARDG-000895-TIT01C-10045 MS59-MX	8: ARDG-000896-TIT01C-10045 MS59-MY
Sample Date & Time					18-Nov-23	18-Nov-23	19-Nov-23	19-Nov-23
Paste pH [no unit]	21-Dec-23	13:17	21-Dec-23	16:13	8.83	8.84	8.80	8.39
Fizz Rate [rating]	19-Dec-23	15:31	21-Dec-23	16:13	3	3	3	3
Sample weight [g]	19-Dec-23	12:42	21-Dec-23	16:13	2.05	2.00	1.97	1.98
HCl_add [mL]	20-Dec-23	16:13	21-Dec-23	16:13	125.10	103.80	102.00	129.70
HCl [Normality]	19-Dec-23	15:50	21-Dec-23	16:13	0.10	0.10	0.10	0.10
NaOH [Normality]	19-Dec-23	15:50	21-Dec-23	16:13	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-23	14:06	21-Dec-23	16:13	78.71	27.64	28.66	30.26
Final pH [no unit]	20-Dec-23	16:13	21-Dec-23	16:13	1.54	1.54	1.53	1.54
NP [t CaCO3/1000 t]	21-Dec-23	14:06	21-Dec-23	16:13	113	190	186	251
AP [t CaCO3/1000 t]	08-Jan-24	14:02	08-Jan-24	14:03	6.56	1.88	1.56	3.75
Net NP [t CaCO3/1000 t]	08-Jan-24	14:02	08-Jan-24	14:03	107	189	185	247
NP/AP [ratio]	08-Jan-24	14:02	08-Jan-24	14:03	17.2	102	119	67.0
S [%]	03-Jan-24	14:08	04-Jan-24	14:13	0.302	0.121	0.100	0.198
Acid Leachable SO4-S [%]	04-Jan-24	08:45	04-Jan-24	14:13	0.09	0.06	0.05	0.08
Sulphide [%]	04-Jan-24	08:38	04-Jan-24	14:13	0.21	0.06	0.05	0.12

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0003584896

SGS Canada Inc.
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ABA - Modified Sobek
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19073-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000893-TIT01C-10045MS59-MV	6: ARDG-000894-TIT01C-10045MS59-MW	7: ARDG-000895-TIT01C-10045MS59-MX	8: ARDG-000896-TIT01C-10045MS59-MY
C [%]	03-Jan-24	14:08	04-Jan-24	14:13	4.11	2.56	2.46	3.30
CO3 (HCl) as %CO3 [%]	04-Jan-24	12:50	04-Jan-24	14:13	20.0	12.2	11.8	16.0

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00035848996

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

22-December-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 06 December 2023
LR Report: **CA19059-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000897-T IR01C-10050MS 22-Mv	6: ARDG-000898-T IR01C-10050MS 22-Mv	7: ARDG-000899-T IR01C-10050MS 22-Mv
Sample Date & Time					11-26-23	11-26-23	11-26-23
Sample weight [g]	17-Dec-23	07:37	18-Dec-23	16:14	249	249	249
Volume D.I. Water [mL]	17-Dec-23	07:37	18-Dec-23	16:14	750	750	750
pH [no unit]	17-Dec-23	07:37	18-Dec-23	16:14	8.46	8.89	8.83
pH [No unit]	19-Dec-23	09:16	20-Dec-23	10:19	8.10	8.18	8.01
Conductivity [uS/cm]	19-Dec-23	09:16	20-Dec-23	10:19	191	150	195
Alkalinity [mg/L as CaCO3]	19-Dec-23	09:16	20-Dec-23	10:19	47	39	57
SO4 [mg/L]	19-Dec-23	12:45	21-Dec-23	17:49	7	16	13
Hg (diss) [mg/L]	20-Dec-23	08:18	20-Dec-23	15:01	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.453	0.504	0.453
As (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.0018	0.0022	0.0069
Ba (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.00341	0.00192	0.00048
B (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.021	0.017	0.010
Be (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	10.3	12.7	13.1
Cd (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.000012	0.000016	0.000029
Cr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.986	7.78	3.67
Li (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.0005	0.0009	0.0013
Mg (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	2.40	3.21	4.68
Mn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.00081	0.00303	0.00274
Mo (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.00366	0.00726	0.00707
Na (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	18.5	18.0	14.3
Ni (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.0001	< 0.0001	0.0001
Pb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.0016	0.0015	< 0.0009

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0003572791

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19059-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000897-T IR01C-10050MS 22-Mv	6: ARDG-000898-T IR01C-10050MS 22-Mv	7: ARDG-000899-T IR01C-10050MS 22-Mv
Se (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.00009	0.00040	0.00032
Si (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	1.18	1.16	1.13
Sn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.0296	0.0287	0.0249
Ti (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.000005	0.000012	0.000006
U (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.000002	0.000004	0.000004
W (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.00283	0.00146	0.00058
Y (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	0.00098	0.00069	0.00062
Zn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:39	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000900-T IR01C-10050MS 22-Mv	9: ARDG-000901-T IR01C-10050MS 22-Mv	10: ARDG-000902-T IR01C-10050MS 22-Mv
Sample Date & Time	11-26-23	11-26-23	11-26-23
Sample weight [g]	250	249	249
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.83	8.50	9.02
pH [No unit]	8.03	7.88	7.83
Conductivity [uS/cm]	182	431	170
Alkalinity [mg/L as CaCO3]	58	53	38
SO4 [mg/L]	17	68	10
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.485	0.269	0.439
As (diss) [mg/L]	0.0079	0.0141	0.0010
Ba (diss) [mg/L]	0.00047	0.0121	0.00336
B (diss) [mg/L]	0.011	0.040	0.021
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	13.5	23.8	9.66
Cd (diss) [mg/L]	0.000004	0.000004	< 0.000003
Co (diss) [mg/L]	0.000034	0.000115	0.000010
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	0.0003	0.0003	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	4.17	9.68	2.53
Li (diss) [mg/L]	0.0013	0.0016	0.0004
Mg (diss) [mg/L]	4.80	8.70	2.17
Mn (diss) [mg/L]	0.00288	0.00504	0.00081
Mo (diss) [mg/L]	0.00773	0.0105	0.00150
Na (diss) [mg/L]	16.2	40.9	18.0
Ni (diss) [mg/L]	0.0001	0.0004	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19059-DEC23**

Analysis	8: ARDG-000900-TIR01C-10050MS 22-Mv	9: ARDG-000901-TIR01C-10050MS 22-Mv	10: ARDG-000902-TIR01C-10050MS 22-Mv
Sb (diss) [mg/L]	< 0.0009	0.0013	0.0014
Se (diss) [mg/L]	0.00034	0.00030	0.00009
Si (diss) [mg/L]	1.15	1.62	1.17
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0254	0.101	0.0334
Ti (diss) [mg/L]	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	0.000005	0.000016	0.000007
U (diss) [mg/L]	0.000003	0.000117	< 0.000002
W (diss) [mg/L]	0.00074	0.00099	0.00057
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00068	0.00062	0.00103
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

04-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 06 December 2023
LR Report: **CA19058-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000897-TI R01C-10050MS22 -Mv	6: ARDG-000898-TI R01C-10050MS22 -Mv	7: ARDG-000899-TI R01C-10050MS22 -Mv	8: ARDG-000900-TI R01C-10050MS22 -Mv	9: ARDG-000901-TI R01C-10050MS22 -Mv	10: ARDG-000902-TI R01C-10050MS22 -Mv
Sample Date & Time					11-26-23	11-26-23	11-26-23	11-26-23	11-26-23	11-26-23
Silver [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aluminum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	78000	81000	81000	82000	85000	81000
Arsenic [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	23	13	43	49	140	85
Barium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	140	20	44	51	410	40
Beryllium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	0.39	0.25	0.36	0.38	0.78	0.25
Bismuth [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	< 0.09	< 0.09	< 0.09	< 0.09	0.13	< 0.09
Calcium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	110000	87000	100000	110000	52000	81000
Cadmium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	0.12	0.10	0.16	0.17	0.12	0.08
Cobalt [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	50	51	50	50	31	46
Chromium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	110	120	120	120	110	140
Copper [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	120	120	110	130	90	110
Iron [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	64000	77000	74000	72000	58000	66000
Potassium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	8900	730	4500	4400	12000	1400
Lithium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	39	53	57	51	31	46
Magnesium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	26000	39000	31000	30000	21000	44000
Manganese [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	2100	1700	1900	2000	1100	1500
Molybdenum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	0.9	0.6	0.6	0.7	2.5	0.7
Nickel [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	130	140	130	130	87	120
Lead [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	4	2	9	9	17	3

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19058-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000897-TI R01C-10050MS22 -Mv	6: ARDG-000898-TI R01C-10050MS22 -Mv	7: ARDG-000899-TI R01C-10050MS22 -Mv	8: ARDG-000900-TI R01C-10050MS22 -Mv	9: ARDG-000901-TI R01C-10050MS22 -Mv	10: ARDG-000902-TI R01C-10050MS22 -Mv
Antimony [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	0.6	0.4	0.4	0.5	0.4	0.4
Tin [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	< 6	< 6	< 6	< 6	< 6	< 6
Strontium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	110	79	130	130	220	86
Titanium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	3000	3600	930	990	1800	1000
Thallium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	0.27	< 0.02	0.15	0.16	0.32	0.03
Uranium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	0.25	0.085	0.14	0.069	1.02	0.12
Vanadium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	220	240	220	230	140	190
Yttrium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	8.79	11.7	6.63	6.98	7.86	7.62
Zinc [µg/g]	04-Jan-24	13:37	04-Jan-24	11:57	76	84	90	90	82	70

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8

Chris Sullivan

CHARTERED
Christopher Sullivan
CHEMIST

Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19058-DEC23**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
**QCR_SubCategory* - QCBatchID: EMS0005-JAN24*													
Calcium	3	µg/g	<3			1		109			104		
Potassium	3	µg/g	<3			3		93			101		
Metals - Microwave/ICP-MS - QCBatchID: EMS0005-JAN24													
Aluminum	3	µg/g	<3			3	20	108	70	130	112	70	130
Antimony	0.8	µg/g	<0.8			0	20	109	70	130	119	70	130
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	97	70	130
Barium	0.01	µg/g	<0.01			3	20	94	70	130	105	70	130
Beryllium	0.02	µg/g	<0.02			8	20	105	70	130	103	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			8	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	105	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130
Copper	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			7	20	102	70	130	112	70	130
Lithium	2	µg/g	<2			3	20	90	70	130	117	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	106	70	130
Manganese	0.1	µg/g	<0.1			3	20	101	70	130	107	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	96	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			13	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.01			19	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	92	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	107	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	106	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			4	20	99	70	130	98	70	130
Vanadium	1	µg/g	<1			1	20	107	70	130	102	70	130
Yttrium	0.004	µg/g	<0.004			2	20	92	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	99	70	130

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

04-January-2024

Date Rec. : 06 December 2023
LR Report: **CA19057-DEC23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000897-TI R01C-10050MS2 2-Mv	6: ARDG-000898-TI R01C-10050MS2 2-Mv	7: ARDG-000899-TI R01C-10050MS2 2-Mv	8: ARDG-000900-TI R01C-10050MS2 2-Mv	9: ARDG-000901-TI R01C-10050MS2 2-Mv	10: ARDG-000902-TI R01C-10050MS2 2-Mv
Sample Date & Time					11-26-23	11-26-23	11-26-23	11-26-23	11-26-23	11-26-23
Paste pH [no unit]	21-Dec-23	13:17	21-Dec-23	16:13	8.84	8.71	8.64	8.62	8.89	8.72
Fizz Rate [rating]	19-Dec-23	15:31	21-Dec-23	16:13	3	3	3	3	3	3
Sample weight [g]	19-Dec-23	12:42	21-Dec-23	16:13	2.11	2.80	2.27	2.48	2.10	2.87
HCl Added [mL]	20-Dec-23	16:13	21-Dec-23	16:13	119.40	113.90	115.60	163.00	77.40	144.20
HCl [Normality]	19-Dec-23	15:50	21-Dec-23	16:13	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	19-Dec-23	15:50	21-Dec-23	16:13	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	21-Dec-23	14:06	21-Dec-23	16:13	14.56	61.58	18.93	44.24	38.51	32.63
Final pH [no unit]	20-Dec-23	16:13	21-Dec-23	16:13	1.97	1.98	1.83	1.66	1.55	1.55
NP [t CaCO3/1000 t]	21-Dec-23	14:06	21-Dec-23	16:13	248	93.4	213	239	92.6	194
AP [t CaCO3/1000 t]	03-Jan-24	14:49	03-Jan-24	14:49	6.25	2.19	3.75	4.38	6.25	3.12
Net NP [t CaCO3/1000 t]	03-Jan-24	14:49	03-Jan-24	14:49	242	91.2	209	235	86.4	191
NP/AP [ratio]	03-Jan-24	14:49	03-Jan-24	14:49	39.7	42.7	56.8	54.7	14.8	62.2
Sulphur (total) [%]	03-Jan-24	08:20	03-Jan-24	14:49	0.247	0.151	0.177	0.209	0.284	0.160
Acid Leachable SO4-S [%]	03-Jan-24	14:01	03-Jan-24	14:49	0.05	0.08	0.06	0.07	0.08	0.06
Sulphide [%]	03-Jan-24	13:55	03-Jan-24	14:49	0.20	0.07	0.12	0.14	0.20	0.10
Carbon (total) [%]	03-Jan-24	08:20	03-Jan-24	14:49	3.33	2.56	3.16	3.29	1.80	2.49
Carbonate (HCl) as %CO3 [%]	04-Jan-24	12:50	04-Jan-24	14:15	16.2	12.3	15.2	15.9	8.27	11.9

ABA - Modified Sobek

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19057-DEC23**

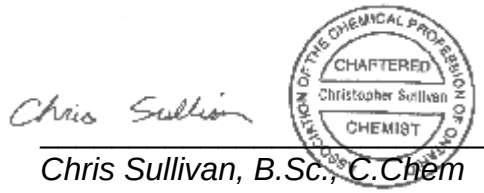
*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019	ASTM E1915-07A
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020	ASTM E1915-07A
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005	ARD Predicition Manual, 2009



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19057-DEC23**

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Carbon/Sulphur - QCBatchID: ECS0006-JAN24														
Carbon (total)	0.005	%	<0.005			1	20				103	70	130	
Sulphur (total)	0.005	%	<0.005			6	20				102	70	130	
Carbon/Sulphur - QCBatchID: ECS0007-JAN24														
Carbonate (HCl) as %CO3	0.04	%	<0.04			5	20	104	80	120				
Carbon/Sulphur - QCBatchID: ECS0009-JAN24														
Sulphide	0.04	%	< 0.01			13	20	102	80	120				

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

08-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 07 December 2023
LR Report: **CA19070-DEC23**
Reference: Meliadine - PO# 1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000903-TIR01C-10040MS02-Kwa-s	6: ARDG-000904-TIR01C-10040MS02-Kwa-s	7: ARDG-000905-TIR01C-10040MS02-Kwa-s	8: ARDG-000906-TIR01C-10040MS02-Kwa-s
Sample Date & Time					28-Nov-23	28-Nov-23	28-Nov-23	28-Nov-23
Paste pH [no unit]	20-Dec-23	19:45	22-Dec-23	13:52	9.16	9.16	9.10	9.07
Fizz Rate [rating]	20-Dec-23	16:51	22-Dec-23	13:52	3	3	3	3
Sample weight [g]	20-Dec-23	17:04	22-Dec-23	13:52	2.09	2.05	2.16	2.03
HCl_add [mL]	21-Dec-23	15:12	22-Dec-23	13:52	29.30	29.90	27.40	29.80
HCl [Normality]	20-Dec-23	15:32	22-Dec-23	13:52	0.10	0.10	0.10	0.10
NaOH [Normality]	20-Dec-23	15:32	22-Dec-23	13:52	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-23	16:00	22-Dec-23	13:52	13.58	14.34	14.94	14.26
Final pH [no unit]	21-Dec-23	16:00	22-Dec-23	13:52	1.62	1.50	1.65	1.59
NP [t CaCO3/1000 t]	21-Dec-23	16:00	22-Dec-23	13:52	37.6	38.0	28.8	38.3
AP [t CaCO3/1000 t]	08-Jan-24	13:47	08-Jan-24	13:48	4.06	3.44	4.06	4.06
Net NP [t CaCO3/1000 t]	08-Jan-24	13:47	08-Jan-24	13:48	33.5	34.6	24.7	34.2
NP/AP [ratio]	08-Jan-24	13:47	08-Jan-24	13:48	9.26	11.1	7.09	9.43
S [%]	05-Jan-24	06:20	08-Jan-24	13:48	0.223	0.189	0.223	0.176
Acid Leachable SO4-S [%]	08-Jan-24	13:48	08-Jan-24	13:48	0.09	0.08	0.09	0.05
Sulphide [%]	05-Jan-24	08:54	08-Jan-24	13:48	0.13	0.11	0.13	0.13
C [%]	05-Jan-24	06:20	08-Jan-24	13:48	0.674	0.688	0.541	0.664
CO3 (HCl) as %CO3 [%]	05-Jan-24	13:34	08-Jan-24	13:48	2.94	3.02	2.33	2.99

Analysis	9: ARDG-000907-TIR01C-10040MS02-Kwa-s	10: ARDG-000908-TIR01C-10040MS02-Kwa-s	11: ARDG-000909-TIR01C-10040MS02-Kwa-s	12: ARDG-000910-TIR01C-10040MS02-Kwa-s	13: ARDG-000911-TIR01C-10040MS02-Kwa-s	14: ARDG-000912-TIR01C-10040MS02-Kwa-s	15: ARDG-000913-TIR01C-10040MS02-Kwa-s	16: ARDG-000914-TIR01C-10040MS02-Kwa-s
Sample Date & Time	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23
Paste pH [no unit]	9.10	9.11	9.03	9.00	8.88	9.16	9.12	8.99
Fizz Rate [rating]	3	3	3	3	3	3	3	3
Sample weight [g]	1.95	1.97	2.10	1.96	1.95	2.01	1.97	1.98
HCl_add [mL]	28.70	29.60	28.40	29.40	28.30	28.70	28.30	29.90
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.40	14.44	14.69	13.66	12.44	13.57	14.55	12.53
Final pH [no unit]	1.55	1.53	1.67	1.54	1.70	1.71	1.63	1.58
NP [t CaCO3/1000 t]	36.7	38.5	32.6	40.1	40.7	37.6	34.9	43.9
AP [t CaCO3/1000 t]	4.06	5.94	5.94	6.25	8.12	4.06	5.31	6.88
Net NP [t CaCO3/1000 t]	32.6	32.6	26.7	33.8	32.6	33.5	29.6	37.0

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0003584889

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19070-DEC23**

Analysis	9: ARDG-000907-TIR01C-10040MS0 2-Kwa-s	10: ARDG-000908-TIR01C-10040MS0 2-Kwa-s	11: ARDG-000909-TIR01C-10040MS0 2-Kwa-s	12: ARDG-000910-TIR01C-10040MS0 2-Kwa-s	13: ARDG-000911-TIR01C-10040MS0 2-Kwa-s	14: ARDG-000912-TIR01C-10040MS0 2-Kwa-s	15: ARDG-000913-TIR01C-10040MS0 2-Kwa-s	16: ARDG-000914-TIR01C-10040MS0 2-Kwa-s
NP/AP [ratio]	9.03	6.48	5.49	6.42	5.01	9.26	6.57	6.39
S [%]	0.272	0.283	0.223	0.298	0.371	0.218	0.253	0.298
Acid Leachable SO4-S [%]	0.14	0.09	< 0.04	0.10	0.11	0.09	0.08	0.08
Sulphide [%]	0.13	0.19	0.19	0.20	0.26	0.13	0.17	0.22
C [%]	0.650	0.689	0.586	0.699	0.685	0.609	0.626	0.729
CO3 (HCl) as %CO3 [%]	2.89	2.99	2.56	3.15	2.97	2.64	2.76	3.17

Analysis	17: ARDG-000915-TIR01C-10040MS0 2-Kwa-s	18: ARDG-000916-TIR01C-10040MS0 2-Kwa-s	19: ARDG-000917-TIR01C-10040MS0 2-Kwa-s	20: ARDG-000918-TIR01C-10040MS0 2-Kwa-s	21: ARDG-000919-TIR01C-10040MS0 2-Kwa-s
Sample Date & Time	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23
Paste pH [no unit]	9.18	8.99	9.12	8.90	8.55
Fizz Rate [rating]	3	3	3	3	3
Sample weight [g]	2.08	1.94	2.08	2.00	1.95
HCl_add [mL]	28.60	29.50	29.50	40.00	26.50
HCl [Normality]	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.44	13.71	14.58	19.31	15.81
Final pH [no unit]	1.71	1.70	1.65	1.51	1.60
NP [t CaCO3/1000 t]	34.1	40.7	35.9	51.7	27.4
AP [t CaCO3/1000 t]	3.44	6.25	4.38	7.81	6.56
Net NP [t CaCO3/1000 t]	30.7	34.4	31.5	43.9	20.8
NP/AP [ratio]	9.92	6.51	8.21	6.62	4.18
S [%]	0.171	0.277	0.257	0.405	0.287
Acid Leachable SO4-S [%]	0.06	0.08	0.12	0.16	0.08
Sulphide [%]	0.11	0.20	0.14	0.25	0.21
C [%]	0.637	0.730	0.656	0.907	0.486
CO3 (HCl) as %CO3 [%]	2.69	3.28	2.89	4.12	2.19

*NP (Neutralization Potential)
$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rok OP TIR01
Project : PO#1254179

27-December-2023

Agnico Eagle Mines Limited
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Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 07 December 2023
LR Report: **CA19072-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000903 -TIR01C-1004 0MS02-Kwa-s	6: ARDG-000904 -TIR01C-1004 0MS02-Kwa-s	7: ARDG-000905 -TIR01C-1004 0MS02-Kwa-s
Sample Date & Time					28-Nov-23	28-Nov-23	28-Nov-23
Sample weight [g]	18-Dec-23	08:41	19-Dec-23	11:36	250	251	250
Volume D.I. Water [mL]	18-Dec-23	08:41	19-Dec-23	11:36	750	750	750
pH [no unit]	18-Dec-23	08:41	19-Dec-23	11:36	8.85	9.07	9.06
pH [No unit]	19-Dec-23	16:22	20-Dec-23	11:01	8.05	8.09	7.99
Conductivity [uS/cm]	19-Dec-23	16:22	20-Dec-23	11:01	232	214	224
Alkalinity [mg/L as CaCO3]	19-Dec-23	16:22	20-Dec-23	11:01	63	59	61
SO4 [mg/L]	20-Dec-23	10:43	21-Dec-23	17:53	32	25	19
Hg (diss) [mg/L]	22-Dec-23	08:48	22-Dec-23	12:05	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.772	0.804	0.769
As (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.0323	0.0390	0.0389
Ba (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.00314	0.00775	0.00244
B (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.012	0.012	0.013
Be (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	9.82	9.42	8.69
Cd (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.000060	0.000055	0.000043
Cr (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.00011	< 0.00008	0.00011
Cu (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	< 0.007	< 0.007	0.008
K (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	18.4	17.4	20.1
Li (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.0012	0.0011	0.0011
Mg (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	3.15	2.92	2.81
Mn (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.00148	0.00133	0.00126
Mo (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.00768	0.00732	0.00567
Na (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	17.7	17.0	17.8
Ni (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.0002	0.0002	0.0002

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mel
Works #: Waste Rok OP TIR01
Project : PO#1254179
LR Report : **CA19072-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000903 -TIR01C-1004 0MS02-Kwa-s	6: ARDG-000904 -TIR01C-1004 0MS02-Kwa-s	7: ARDG-000905 -TIR01C-1004 0MS02-Kwa-s
Pb (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.0066	0.0076	0.0072
Se (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.00045	0.00042	0.00027
Si (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	2.02	2.10	1.82
Sn (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.0472	0.0447	0.0392
Ti (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	< 0.00007	0.00010	0.00019
Tl (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.000005	0.000006	< 0.000005
U (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:53	0.000217	0.000226	0.000116
W (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:52	0.00268	0.00213	0.00168
Y (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:52	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:52	0.00197	0.00207	0.00188
Zn (diss) [mg/L]	22-Dec-23	11:49	27-Dec-23	11:52	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000906 -TIR01C-1004 0MS02-Kwa-s	9: ARDG-000907 -TIR01C-1004 0MS02-Kwa-s	10: ARDG-000908 -TIR01C-1004 0MS02-Kwa-s	11: ARDG-000909 -TIR01C-1004 0MS02-Kwa-s	12: ARDG-000910 -TIR01C-1004 0MS02-Kwa-s	13: ARDG-000911 -TIR01C-1004 0MS02-Kwa-s	14: ARDG-000912 -TIR01C-1004 0MS02-Kwa-s
Sample Date & Time	28-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23
Sample weight [g]	251	251	250	249	250	249	249
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	9.16	9.13	9.07	9.13	9.08	8.90	9.20
pH [No unit]	8.12	8.10	8.11	8.08	8.06	7.96	8.09
Conductivity [uS/cm]	259	244	251	289	297	394	200
Alkalinity [mg/L as CaCO3]	59	62	63	58	55	57	58
SO4 [mg/L]	18	23	28	22	34	68	11
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.690	0.725	0.729	0.730	0.650	0.528	0.896
As (diss) [mg/L]	0.144	0.103	0.0989	0.0112	0.0112	0.0283	0.0376
Ba (diss) [mg/L]	0.00565	0.00377	0.00702	0.00785	0.00580	0.00623	0.00248
B (diss) [mg/L]	0.013	0.011	0.011	0.016	0.013	0.014	0.012
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	9.00	9.85	10.3	8.48	10.6	16.5	7.74
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000008	< 0.000003
Co (diss) [mg/L]	0.000026	0.000056	0.000038	0.000010	0.000018	0.000042	0.000037
Cr (diss) [mg/L]	0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00012	0.00010
Cu (diss) [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.007
K (diss) [mg/L]	19.2	18.7	20.0	19.4	22.3	24.1	17.4
Li (diss) [mg/L]	0.0014	0.0015	0.0015	0.0013	0.0019	0.0025	0.0013
Mg (diss) [mg/L]	3.30	3.33	3.60	2.92	4.12	7.03	2.08

OnLine LIMS

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mel
Works #: Waste Rok OP TIR01
Project : PO#1254179
LR Report : **CA19072-DEC23**

Analysis	8: ARDG-000906 -TIR01C-1004 0MS02-Kwa-s	9: ARDG-000907 -TIR01C-1004 0MS02-Kwa-s	10: ARDG-000908 -TIR01C-1004 0MS02-Kwa-s	11: ARDG-000909 -TIR01C-1004 0MS02-Kwa-s	12: ARDG-000910 -TIR01C-1004 0MS02-Kwa-s	13: ARDG-000911 -TIR01C-1004 0MS02-Kwa-s	14: ARDG-000912 -TIR01C-1004 0MS02-Kwa-s
Mn (diss) [mg/L]	0.00120	0.00126	0.00156	0.00102	0.00150	0.00377	0.00098
Mo (diss) [mg/L]	0.00526	0.00907	0.00724	0.00555	0.00719	0.0295	0.0106
Na (diss) [mg/L]	23.3	19.4	20.2	29.1	24.7	31.5	17.0
Ni (diss) [mg/L]	0.0002	0.0002	0.0002	0.0001	0.0001	0.0003	0.0003
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0049	0.0063	0.0061	0.0021	0.0030	0.0048	0.0066
Se (diss) [mg/L]	0.00051	0.00032	0.00036	0.00025	0.00059	0.00089	0.00021
Si (diss) [mg/L]	2.29	1.95	2.03	2.18	2.28	2.21	1.94
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0481	0.0486	0.0509	0.0532	0.0566	0.0784	0.0407
Ti (diss) [mg/L]	0.00008	< 0.00007	< 0.00007	0.00013	< 0.00007	< 0.00007	0.00008
Tl (diss) [mg/L]	0.000013	< 0.000005	< 0.000005	0.000012	0.000009	0.000012	< 0.000005
U (diss) [mg/L]	0.000160	0.000226	0.000262	0.000183	0.000311	0.000843	0.000242
W (diss) [mg/L]	0.00353	0.00258	0.00294	0.00251	0.00331	0.00378	0.00272
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00283	0.00216	0.00218	0.00224	0.00190	0.00124	0.00268
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	15: ARDG-000913 -TIR01C-1004 0MS02-Kwa-s	16: ARDG-000914 -TIR01C-1004 0MS02-Kwa-s	17: ARDG-000915 -TIR01C-1004 0MS02-Kwa-s	18: ARDG-000916 -TIR01C-1004 0MS02-Kwa-s	19: ARDG-000917 -TIR01C-1004 0MS02-Kwa-s	20: ARDG-000918 -TIR01C-1004 0MS02-Kwa-s	21: ARDG-000919 -TIR01C-1004 0MS02-Kwa-s
Sample Date & Time	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23	29-Nov-23
Sample weight [g]	250	251	249	250	250	251	249
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	9.15	9.04	9.23	9.09	9.20	8.95	8.85
pH [No unit]	8.05	7.99	8.19	7.91	8.14	8.16	7.88
Conductivity [uS/cm]	211	256	235	293	218	322	515
Alkalinity [mg/L as CaCO3]	60	52	59	62	64	63	51
SO4 [mg/L]	13	44	15	30	8	62	51
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.842	0.730	0.842	0.663	0.832	0.665	0.376
As (diss) [mg/L]	0.0341	0.0343	0.0806	0.0625	0.0591	0.0205	0.0290
Ba (diss) [mg/L]	0.00389	0.00438	0.00264	0.00433	0.00201	0.00599	0.00621
B (diss) [mg/L]	0.013	0.011	0.014	0.012	0.012	0.014	0.035
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	8.40	11.7	7.20	11.0	7.62	14.3	15.3
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000048	0.000032	0.000018	0.000030	0.000019	0.000054	0.000055
Cr (diss) [mg/L]	< 0.00008	0.00008	< 0.00008	< 0.00008	< 0.00008	0.00016	0.00009
Cu (diss) [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002

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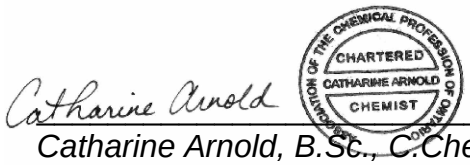
mel
Works #: Waste Rok OP TIR01
Project : PO#1254179
LR Report : **CA19072-DEC23**

Analysis	15: ARDG-000913 -TIR01C-1004 0MS02-Kwa-s	16: ARDG-000914 -TIR01C-1004 0MS02-Kwa-s	17: ARDG-000915 -TIR01C-1004 0MS02-Kwa-s	18: ARDG-000916 -TIR01C-1004 0MS02-Kwa-s	19: ARDG-000917 -TIR01C-1004 0MS02-Kwa-s	20: ARDG-000918 -TIR01C-1004 0MS02-Kwa-s	21: ARDG-000919 -TIR01C-1004 0MS02-Kwa-s
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.036	< 0.007
K (diss) [mg/L]	17.7	16.1	20.3	20.9	19.0	24.9	23.3
Li (diss) [mg/L]	0.0013	0.0019	0.0012	0.0019	0.0013	0.0019	0.0012
Mg (diss) [mg/L]	2.32	3.51	2.22	4.55	2.52	6.03	5.98
Mn (diss) [mg/L]	0.00160	0.00181	0.00073	0.00167	0.00102	0.00267	0.00272
Mo (diss) [mg/L]	0.00714	0.00658	0.00565	0.00612	0.00745	0.00766	0.00680
Na (diss) [mg/L]	18.0	20.2	22.5	24.4	19.0	20.8	54.8
Ni (diss) [mg/L]	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0064	0.0043	0.0070	0.0029	0.0068	0.0020	0.0035
Se (diss) [mg/L]	0.00022	0.00072	0.00019	0.00076	0.00019	0.00065	0.00058
Si (diss) [mg/L]	1.96	2.22	2.08	2.22	2.06	2.22	1.98
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0467	0.0642	0.0367	0.0583	0.0358	0.0800	0.0898
Ti (diss) [mg/L]	0.00010	0.00007	0.00011	< 0.00007	< 0.00007	0.00068	0.00010
Tl (diss) [mg/L]	< 0.000005	0.000005	< 0.000005	0.000014	< 0.000005	0.000015	0.000009
U (diss) [mg/L]	0.000237	0.000486	0.000251	0.000247	0.000188	0.000491	0.000098
W (diss) [mg/L]	0.00354	0.00418	0.00261	0.00331	0.00339	0.00389	0.00164
Y (diss) [mg/L]	0.00004	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00248	0.00215	0.00324	0.00202	0.00271	0.00170	0.00089
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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0003574479

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: Waste Rock OP TIR01
Project : PO#1254179

08-January-2024

Date Rec. : 08 December 2023
LR Report: **CA19082-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000920-T IR01C-10040MS 05-Kwa-s	6: ARDG-000921-T IR01C-10040MS 05-Kwa-s	7: ARDG-000922-T IR01C-10040MS 05-Kwa-s
Sample Date & Time					02-Dec-23	02-Dec-23	02-Dec-23
Paste pH [no unit]	21-Dec-23	13:17	21-Dec-23	16:14	9.02	8.69	8.88
Fizz Rate [rating]	19-Dec-23	15:31	21-Dec-23	16:14	3	3	3
Sample weight [g]	19-Dec-23	12:42	21-Dec-23	16:14	2.09	2.01	1.99
HCl_add [mL]	20-Dec-23	16:13	21-Dec-23	16:14	29.10	27.80	40.50
HCl [Normality]	19-Dec-23	15:50	21-Dec-23	16:14	0.10	0.10	0.10
NaOH [Normality]	19-Dec-23	15:50	21-Dec-23	16:14	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-23	14:06	21-Dec-23	16:14	16.50	12.34	11.58
Final pH [no unit]	20-Dec-23	16:13	21-Dec-23	16:14	1.52	1.51	1.76
NP [t CaCO3/1000 t]	21-Dec-23	14:06	21-Dec-23	16:14	30.2	38.5	72.7
AP [t CaCO3/1000 t]	08-Jan-24	13:51	08-Jan-24	13:51	7.81	10.3	8.75
Net NP [t CaCO3/1000 t]	08-Jan-24	13:51	08-Jan-24	13:51	22.4	28.2	64.0
NP/AP [ratio]	08-Jan-24	13:51	08-Jan-24	13:51	3.87	3.73	8.31
S [%]	04-Jan-24	09:07	08-Jan-24	13:51	0.411	0.612	0.409

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19082-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000920-T IR01C-10040MS 05-Kwa-s	6: ARDG-000921-T IR01C-10040MS 05-Kwa-s	7: ARDG-000922-T IR01C-10040MS 05-Kwa-s
Acid Leachable SO4-S [%]	08-Jan-24	13:51	08-Jan-24	13:51	0.16	0.28	0.13
Sulphide [%]	05-Jan-24	08:54	08-Jan-24	13:51	0.25	0.33	0.28
C [%]	04-Jan-24	09:07	08-Jan-24	13:51	0.461	0.553	1.08
CO3 (HCl) as %CO3 [%]	05-Jan-24	13:34	08-Jan-24	13:51	1.96	2.39	4.97

Analysis	8: ARDG-000923-T IR01C-10040MS 05-Kwa-s	9: ARDG-000924-T IR01C-10040MS 05-UO	10: ARDG-000925-T IR01C-10040MS 05-UO	11: ARDG-000926-T IR01C-10040MS 05-MV
Sample Date & Time	02-Dec-23	02-Dec-23	02-Dec-23	02-Dec-23
Paste pH [no unit]	8.99	8.72	8.71	8.67
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.14	2.01	2.03	2.05
HCl_add [mL]	25.80	39.50	152.80	49.60
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16.95	5.10	35.50	31.97
Final pH [no unit]	1.54	1.52	1.66	1.52
NP [t CaCO3/1000 t]	20.7	85.6	289	43.0
AP [t CaCO3/1000 t]	2.81	3.12	6.56	3.44
Net NP [t CaCO3/1000 t]	17.9	82.5	282	39.6
NP/AP [ratio]	7.36	27.4	44.0	12.5
S [%]	0.160	0.233	0.347	0.168
Acid Leachable SO4-S [%]	0.07	0.13	0.14	0.06
Sulphide [%]	0.09	0.10	0.21	0.11
C [%]	0.369	0.869	4.50	1.18
CO3 (HCl) as %CO3 [%]	1.48	4.00	22.1	5.33

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19082-DEC23**

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= 50 \times \frac{(N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003584859

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

22-December-2023

Agnico Eagle Mines Limited
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Meliadine
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Date Rec. : 08 December 2023
LR Report: **CA19084-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000920-T IR01C-10040MS 05-Kwa-s	6: ARDG-000921-T IR01C-10040MS 05-Kwa-s	7: ARDG-000922-T IR01C-10040MS 05-Kwa-s
Sample Date & Time					02-DEC-23	02-DEC-23	02-DEC-23
Sample weight [g]	17-Dec-23	07:37	18-Dec-23	16:14	250	251	250
Volume D.I. Water [mL]	17-Dec-23	07:37	18-Dec-23	16:14	750	750	750
pH [no unit]	17-Dec-23	07:37	18-Dec-23	16:14	9.15	9.18	9.00
pH [No unit]	19-Dec-23	08:08	20-Dec-23	10:14	8.07	8.17	8.11
Conductivity [uS/cm]	19-Dec-23	08:08	20-Dec-23	10:14	230	214	248
Alkalinity [mg/L as CaCO3]	19-Dec-23	08:08	20-Dec-23	10:14	44	46	49
SO4 [mg/L]	19-Dec-23	12:45	21-Dec-23	17:49	16	14	40
Hg (diss) [mg/L]	20-Dec-23	08:18	20-Dec-23	15:01	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.759	0.782	0.600
As (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.0155	0.0196	0.0059
Ba (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.0181	0.0137	0.0107
B (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.013	0.013	0.012
Be (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	8.30	7.73	10.9
Cd (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.000004	0.000003	0.000006
Co (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.000020	0.000023	0.000037
Cr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	17.1	16.9	17.5
Li (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.0010	0.0010	0.0016
Mg (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	2.18	2.07	4.59
Mn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.00104	0.00106	0.00210
Mo (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.00939	0.00662	0.00757
Na (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	19.2	18.2	16.4
Ni (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.0002	0.0001	0.0002
Pb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.0094	0.0089	0.0041

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0003572784

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19084-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000920-TIR01C-10040MS05-Kwa-s	6: ARDG-000921-TIR01C-10040MS05-Kwa-s	7: ARDG-000922-TIR01C-10040MS05-Kwa-s
Se (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.00016	0.00016	0.00035
Si (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	1.57	1.68	1.81
Sn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.0655	0.0577	0.0942
Ti (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.00015	0.00026	0.00011
Tl (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.000005	< 0.000005	0.000019
U (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.000159	0.000185	0.000219
W (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.00149	0.00162	0.00306
Y (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	0.00145	0.00179	0.00157
Zn (diss) [mg/L]	20-Dec-23	11:53	21-Dec-23	10:37	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000923-TIR01C-10040MS05-Kwa-s	9: ARDG-000924-TIR01C-10040MS05-UO	10: ARDG-000925-TIR01C-10040MS05-UO	11: ARDG-000926-TIR01C-10040MS05-MV	12: ARDG-000926-T$IR01C-10040MS05-MV	13:BLK: D.I. Leachate Blank
Sample Date & Time	02-DEC-23	02-DEC-23	02-DEC-23	02-DEC-23		
Sample weight [g]	249	250	249	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.21	9.01	9.02	8.68	8.83	5.53
pH [No unit]	8.24	8.12	8.34	8.08	8.09	5.34
Conductivity [uS/cm]	236	230	491	270	262	3
Alkalinity [mg/L as CaCO3]	41	57	72	69	68	< 2
SO4 [mg/L]	14	7	29	8	8	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.670	0.644	0.546	0.510	0.509	0.001
As (diss) [mg/L]	0.0902	0.0137	0.176	0.0067	0.0061	< 0.0002
Ba (diss) [mg/L]	0.00408	0.00304	0.00213	0.00414	0.00485	0.00013
B (diss) [mg/L]	0.015	0.014	0.065	0.015	0.014	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	7.67	10.7	8.15	13.0	12.9	0.03
Cd (diss) [mg/L]	0.000003	< 0.000003	0.000004	0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000022	0.000007	0.000071	0.000014	0.000013	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0003	< 0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	14.4	13.2	7.86	17.7	17.1	0.271
Li (diss) [mg/L]	0.0009	0.0011	0.0021	0.0014	0.0013	< 0.0001
Mg (diss) [mg/L]	1.81	3.16	3.76	4.01	3.86	0.005
Mn (diss) [mg/L]	0.00075	0.00115	0.00342	0.00198	0.00202	0.00026
Mo (diss) [mg/L]	0.00692	0.00690	0.00733	0.00721	0.00625	0.00036
Na (diss) [mg/L]	23.3	20.3	75.6	21.9	19.3	< 0.01
Ni (diss) [mg/L]	0.0002	< 0.0001	0.0005	0.0001	0.0002	0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009

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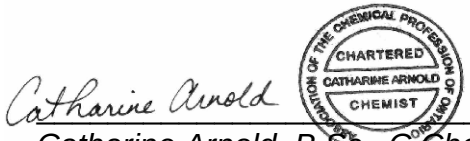
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19084-DEC23**

Analysis	8: ARDG-000923-TIR01C-10040MS05-Kwa-s	9: ARDG-000924-TIR01C-10040MS05-UO	10: ARDG-000925-TIR01C-10040MS05-UO	11: ARDG-000926-TIR01C-10040MS05-MV	12: ARDG-000926-T$D.I.IR01C-10040MS05-MV	13:BLK: Leachate Blank
Sb (diss) [mg/L]	0.0067	0.0016	0.0074	0.0014	0.0014	< 0.0009
Se (diss) [mg/L]	0.00023	0.00009	0.00088	0.00010	0.00009	< 0.00004
Si (diss) [mg/L]	1.77	1.38	1.52	1.31	1.25	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0426	0.0562	0.0194	0.106	0.102	0.00060
Ti (diss) [mg/L]	0.00019	< 0.00007	< 0.00007	0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	0.000009	< 0.000005	< 0.000005	0.000007	0.000006	< 0.000005
U (diss) [mg/L]	0.000134	0.000036	0.000108	0.000039	0.000044	< 0.000002
W (diss) [mg/L]	0.00315	0.00133	0.00083	0.00272	0.00255	0.00004
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00231	0.00018	0.00195	0.00013	0.00012	< 0.00001
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

17-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 08 December 2023
LR Report: **CA19083-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000920-TIR01C-10040MS0 5-Kwa-s	6: ARDG-000921-TIR01C-10040MS0 5-Kwa-s	7: ARDG-000922-TIR01C-10040MS0 5-Kwa-s	8: ARDG-000923-TIR01C-10040MS0 5-Kwa-s	9: ARDG-000924-TIR01C-10040MS0 5-UO
Sample Date & Time					02-Dec-23	02-Dec-23	02-Dec-23	02-Dec-23	02-Dec-23
Ag [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	90000	84000	77000	84000	65000
As [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	32	4100	12	31	150
Ba [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	920	730	810	840	420
Be [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	1.5	1.4	1.2	1.3	1.1
Bi [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	0.19	0.28	0.12	0.27	0.21
Ca [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	11000	12000	24000	11000	17000
Cd [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	0.05	0.07	0.10	0.06	0.06
Co [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	16	17	18	19	7.3
Cr [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	75	89	45	57	22
Cu [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	58	51	28	46	29
Fe [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	39000	49000	32000	39000	72000
K [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	25000	20000	19000	20000	14000
Li [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	41	39	30	45	30
Mg [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	14000	14000	12000	15000	9700
Mn [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	250	290	330	280	300
Mo [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	3.4	1.9	2.3	2.4	2.0
Ni [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	58	59	53	65	18
Pb [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	9	27	12	11	13
Sb [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	< 0.8	1.3	< 0.8	< 0.8	< 0.8
Se [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	0.3	0.5	0.3	0.3	0.1
Sn [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	260	370	530	330	180
Ti [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	1500	1100	1700	1000	1600
Tl [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	0.60	0.46	0.50	0.46	0.27
U [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	3.9	1.4	1.6	1.8	1.2
V [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	87	89	69	82	32
Y [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	6.7	5.7	7.3	6.9	4.9
Zn [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	64	71	52	74	59

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19083-DEC23**

Analysis	10: ARDG-000925-TIR01C-10040MS05-UO	11: ARDG-000926-TIR01C-10040MS05-MV
Sample Date & Time	02-Dec-23	02-Dec-23
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	66000	67000
As [µg/g]	190	260
Ba [µg/g]	130	550
Be [µg/g]	0.58	1.3
Bi [µg/g]	< 0.09	0.14
Ca [µg/g]	110000	24000
Cd [µg/g]	0.18	0.08
Co [µg/g]	43	7.6
Cr [µg/g]	110	24
Cu [µg/g]	80	20
Fe [µg/g]	62000	82000
K [µg/g]	6500	17000
Li [µg/g]	58	32
Mg [µg/g]	22000	9700
Mn [µg/g]	2200	350
Mo [µg/g]	1.0	2.3
Ni [µg/g]	98	20
Pb [µg/g]	9	10
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	0.4	0.2
Sn [µg/g]	< 6	< 6
Sr [µg/g]	130	210
Ti [µg/g]	1700	1700
Tl [µg/g]	0.34	0.33
U [µg/g]	0.24	1.4
V [µg/g]	180	36
Y [µg/g]	6.6	5.6
Zn [µg/g]	77	58

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

04-January-2024

Date Rec. : 22 December 2023
LR Report: **CA19131-DEC23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000927-TIR01C-10040MS06-Kwa-s	6: ARDG-000928-TIR01C-10040MS06-Kwa-s	7: ARDG-000929-TIR01C-10040MS06-Kwa-s	8: ARDG-000930-TIR01C-10040MS06-Kwa-s	9: ARDG-000931-TIR01C-10040MS06-Kwa-s	10: ARDG-000932-10040MS06-Kwa-s
Sample Date & Time					07-Dec-23	07-Dec-23	07-Dec-23	07-Dec-23	08-Dec-23	08-Dec-23
Silver [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Aluminum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	61000	69000	70000	67000	81000	78000
Arsenic [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	10	11	56	33	46	43
Barium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	550	620	710	590	730	560
Beryllium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	1.2	1.2	1.3	1.2	1.3	1.3
Bismuth [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.16	0.14	0.18	0.19	0.22	0.16
Calcium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	13000	14000	15000	14000	20000	15000
Cadmium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.11	0.11	0.09	0.10	0.12	0.13
Cobalt [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	19	20	21	20	22	19
Chromium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	76	61	72	68	45	73
Copper [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	39	52	49	45	45	48
Iron [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	30000	32000	30000	30000	35000	35000
Potassium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	16000	17000	18000	16000	19000	18000
Lithium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	29	30	30	32	31	41
Magnesium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	12000	13000	13000	12000	15000	15000
Manganese [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	340	370	360	330	440	410
Molybdenum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	1.9	1.8	1.9	1.7	1.6	1.7
Nickel [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	64	66	65	62	58	72
Lead [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	10	11	11	12	15	16

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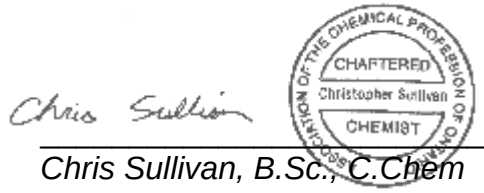
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19131-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000927-TI R01C-10040MS06-Kwa-s	6: ARDG-000928-TI R01C-10040MS06-Kwa-s	7: ARDG-000929-TI R01C-10040MS06-Kwa-s	8: ARDG-000930-TI R01C-10040MS06-Kwa-s	9: ARDG-000931-TI R01C-10040MS06-Kwa-s	10: ARDG-000932-10040MS06-Kwa-s
Antimony [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.2	0.2	0.2	0.2	0.2	0.2
Tin [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	< 6	< 6	< 6	< 6	< 6	< 6
Strontium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	240	270	260	270	290	250
Titanium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	750	810	1200	770	1500	680
Thallium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	0.42	0.44	0.47	0.40	0.48	0.46
Uranium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	1.08	0.95	0.86	1.27	1.13	1.03
Vanadium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	84	76	80	77	87	86
Yttrium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	3.1	3.6	3.7	3.4	5.2	4.5
Zinc [µg/g]	04-Jan-24	13:37	04-Jan-24	11:55	75	77	73	77	80	79

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8



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Environment, Health & Safety

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19131-DEC23**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
**QCR_SubCategory* - QCBatchID: EMS0005-JAN24*													
Calcium	3	µg/g	<3			1		109			104		
Potassium	3	µg/g	<3			3		93			101		
Metals - Microwave/ICP-MS - QCBatchID: EMS0005-JAN24													
Aluminum	3	µg/g	<3			3	20	108	70	130	112	70	130
Antimony	0.8	µg/g	<0.8			0	20	109	70	130	119	70	130
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	97	70	130
Barium	0.01	µg/g	<0.01			3	20	94	70	130	105	70	130
Beryllium	0.02	µg/g	<0.02			8	20	105	70	130	103	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			8	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	105	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130
Copper	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			7	20	102	70	130	112	70	130
Lithium	2	µg/g	<2			3	20	90	70	130	117	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	106	70	130
Manganese	0.1	µg/g	<0.1			3	20	101	70	130	107	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	96	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			13	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.01			19	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	92	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	107	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	106	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			4	20	99	70	130	98	70	130
Vanadium	1	µg/g	<1			1	20	107	70	130	102	70	130
Yttrium	0.004	µg/g	<0.004			2	20	92	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	99	70	130

OnLine LIMS

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0003581487

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 22 December 2023
LR Report: **CA19132-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000927-T IR01C-10040MS 06-Kwa-s	6: ARDG-000928-T IR01C-10040MS 06-Kwa-s	7: ARDG-000929-T IR01C-10040MS 06-Kwa-s
Sample Date & Time					07-Dec-23	07-Dec-23	07-Dec-23
Sample weight [g]	03-Jan-24	12:00	05-Jan-24	10:49	249	250	250
Volume D.I. Water [mL]	04-Jan-24	06:00	05-Jan-24	10:49	750	750	750
pH [no unit]	05-Jan-24	06:30	05-Jan-24	10:49	9.09	8.96	8.93
pH [No unit]	05-Jan-24	14:49	08-Jan-24	10:53	7.94	7.97	7.94
Conductivity [uS/cm]	05-Jan-24	14:49	08-Jan-24	10:53	242	242	300
Alkalinity [mg/L as CaCO3]	05-Jan-24	14:49	08-Jan-24	10:53	53	54	56
SO4 [mg/L]	08-Jan-24	13:28	08-Jan-24	17:00	27	27	59
Hg (diss) [mg/L]	08-Jan-24	15:13	09-Jan-24	11:48	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.715	0.715	0.624
As (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.0115	0.0101	0.0465
Ba (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.00343	0.00312	0.00550
B (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.011	0.011	0.016
Be (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	9.76	9.99	12.5
Cd (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.000003	0.000003	0.000004
Co (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.000021	0.000024	0.000033
Cr (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	15.2	15.6	18.5
Li (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.0013	0.0015	0.0014
Mg (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	3.37	3.61	5.09
Mn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.00135	0.00148	0.00192
Mo (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.00494	0.00924	0.00463
Na (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	20.2	19.4	22.2
Ni (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.0001	0.0001	0.0002
Pb (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.0028	0.0028	0.0039

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0003587175

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19132-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000927-TIR01C-10040MS06-Kwa-s	6: ARDG-000928-TIR01C-10040MS06-Kwa-s	7: ARDG-000929-TIR01C-10040MS06-Kwa-s
Se (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.00028	0.00038	0.00067
Si (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	1.88	1.92	1.98
Sn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.0502	0.0499	0.0730
Ti (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.00008	0.00007	< 0.00007
Tl (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.000012	0.000014	0.000013
U (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.000154	0.000159	0.000343
W (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.00277	0.00300	0.00243
Y (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	0.00193	0.00189	0.00166
Zn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:08	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000930-TIR01C-10040MS06-Kwa-s	9: ARDG-000931-TIR01C-10040MS06-Kwa-s	10: ARDG-000932-10040MS06-Kwa-s
Sample Date & Time	07-Dec-23	08-Dec-23	08-Dec-23
Sample weight [g]	249	252	249
Volume D.I. Water [mL]	750	750	750
pH [no unit]	9.07	9.02	9.02
pH [No unit]	7.96	8.12	8.16
Conductivity [uS/cm]	210	251	194
Alkalinity [mg/L as CaCO3]	53	60	58
SO4 [mg/L]	28	24	11
Hg (diss) [mg/L]	< 0.00001	< 0.00001	0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.790	0.719	0.803
As (diss) [mg/L]	0.0466	0.0775	0.0479
Ba (diss) [mg/L]	0.00313	0.00363	0.00156
B (diss) [mg/L]	0.011	0.013	0.011
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	9.05	9.64	6.40
Cd (diss) [mg/L]	0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000019	0.000041	0.000022
Cr (diss) [mg/L]	< 0.00008	< 0.00008	0.00012
Cu (diss) [mg/L]	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	13.8	19.2	14.6
Li (diss) [mg/L]	0.0012	0.0013	0.0010
Mg (diss) [mg/L]	2.71	3.85	1.72
Mn (diss) [mg/L]	0.00120	0.00136	0.00088
Mo (diss) [mg/L]	0.00466	0.00849	0.00748
Na (diss) [mg/L]	17.3	18.7	17.1
Ni (diss) [mg/L]	0.0002	0.0001	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009

OnLine LIMS

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0003587175

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Analysis	8: ARDG-000930-TIR01C-10040MS06-Kwa-s	9: ARDG-000931-TIR01C-10040MS06-Kwa-s	10: ARDG-000932-10040MS06-Kwa-s
Sb (diss) [mg/L]	0.0048	0.0099	0.0059
Se (diss) [mg/L]	0.00064	0.00077	0.00019
Si (diss) [mg/L]	1.91	1.90	1.92
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0500	0.0594	0.0320
Ti (diss) [mg/L]	0.00017	0.00007	0.00008
Tl (diss) [mg/L]	0.000011	0.000018	0.000005
U (diss) [mg/L]	0.000215	0.000194	0.000209
W (diss) [mg/L]	0.00279	0.00320	0.00314
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00240	0.00215	0.00324
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 22 December 2023
LR Report: **CA19130-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000927-T IR01C-10040MS 06-Kwa-s	6: ARDG-000928-T IR01C-10040MS 06-Kwa-s	7: ARDG-000929-T IR01C-10040MS 06-Kwa-s
Sample Date & Time					07-Dec-23	07-Dec-23	07-Dec-23
Paste pH [no unit]	08-Jan-24	16:15	10-Jan-24	11:13	8.99	9.01	9.05
Fizz Rate [rating]	08-Jan-24	16:15	10-Jan-24	11:13	3	3	3
Sample weight [g]	08-Jan-24	16:15	10-Jan-24	11:13	2.01	2.01	2.03
HCl_add [mL]	09-Jan-24	14:15	10-Jan-24	11:13	33.60	33.60	42.00
HCl [Normality]	08-Jan-24	16:15	10-Jan-24	11:13	0.10	0.10	0.10
NaOH [Normality]	08-Jan-24	16:15	10-Jan-24	11:13	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Jan-24	16:17	10-Jan-24	11:13	16.99	14.42	19.65
Final pH [no unit]	09-Jan-24	16:17	10-Jan-24	11:13	1.40	1.54	1.45
NP [t CaCO3/1000 t]	10-Jan-24	08:22	10-Jan-24	11:13	41.3	47.7	55.0
AP [t CaCO3/1000 t]	10-Jan-24	08:22	10-Jan-24	11:14	5.31	5.00	5.00
Net NP [t CaCO3/1000 t]	10-Jan-24	08:22	10-Jan-24	11:14	36.0	42.7	50.0
NP/AP [ratio]	10-Jan-24	08:22	10-Jan-24	11:14	7.77	9.54	11.0
S [%]	03-Jan-24	08:20	03-Jan-24	14:49	0.271	0.293	0.260
Acid Leachable SO4-S [%]	03-Jan-24	14:02	03-Jan-24	14:49	0.10	0.13	0.10
Sulphide [%]	03-Jan-24	13:55	03-Jan-24	14:49	0.17	0.16	0.16
C [%]	03-Jan-24	08:20	03-Jan-24	14:49	0.680	0.724	0.876
CO3 (HCl) as %CO3 [%]	04-Jan-24	12:50	04-Jan-24	14:13	2.74	3.13	3.79

Analysis	8: ARDG-000930-T IR01C-10040MS 06-Kwa-s	9: ARDG-000931-T IR01C-10040MS 06-Kwa-s	10: ARDG-000932-T IR01C-10040MS 06-Kwa-s
Sample Date & Time	07-Dec-23	08-Dec-23	08-Dec-23
Paste pH [no unit]	9.14	9.11	9.25
Fizz Rate [rating]	3	3	3
Sample weight [g]	2.03	2.01	2.00
HCl_add [mL]	31.10	50.60	33.10
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10

OnLine LIMS

0003587158

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19130-DEC23**

Analysis	8: ARDG-000930-TIR01C-10040MS 06-Kwa-s	9: ARDG-000931-TIR01C-10040MS 06-Kwa-s	10: ARDG-000932-TIR01C-10040MS 06-Kwa-s
Vol NaOH to pH=8.3 [mL]	13.93	20.77	15.58
Final pH [no unit]	1.48	1.52	1.43
NP [t CaCO3/1000 t]	42.3	74.2	43.8
AP [t CaCO3/1000 t]	4.06	5.00	2.50
Net NP [t CaCO3/1000 t]	38.2	69.2	41.3
NP/AP [ratio]	10.4	14.8	17.5
S [%]	0.235	0.209	0.227
Acid Leachable SO4-S [%]	0.10	0.05	0.15
Sulphide [%]	0.13	0.16	0.08
C [%]	0.681	1.00	0.641
CO3 (HCl) as %CO3 [%]	2.69	4.58	2.69

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N\ NaOH \times NaOH \text{ added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003587158

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 02 January 2024
LR Report: **CA19057-JAN24**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000933-T IR01C-10040MS 08-Kwa-s	6: ARDG-000934-T IR01C-10040MS 08-MV	7: ARDG-000935-T IR01C-10040MS 08-MV
Sample Date & Time					13-Dec-23	13-Dec-23	13-Dec-23
Ag [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	< 0.5	< 0.5	< 0.5
Al [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	76000	70000	74000
As [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	96	470	33
Ba [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	730	290	390
Be [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	1.2	0.59	0.46
Bi [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	0.21	0.18	< 0.09
Ca [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	11000	97000	85000
Cd [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	0.06	0.18	0.13
Co [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	20	52	46
Cr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	54	97	72
Cu [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	45	94	88
Fe [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	35000	59000	69000
K [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	18000	6200	7100
Li [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	37	50	57
Mg [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	13000	15000	17000
Mn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	330	2400	2000
Mo [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	2.2	1.1	0.8
Ni [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	63	110	100
Pb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	9	11	4
Sb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	< 0.8	< 0.8	1.0
Se [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	0.2	0.5	0.5
Sn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	< 6	< 6	< 6
Sr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	320	170	120
Ti [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	1200	3900	4500
Tl [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	0.44	0.38	0.42
U [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	1.17	0.14	0.14
V [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	78	210	230
Y [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	5.1	12	8.3
Zn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	80	120	93

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19057-JAN24**

Analysis	8: ARDG-000936-TIR01C-10040MS08-MV	9: ARDG-000937-TIR01C-10040MS08-Ksc-wa	10: ARD-000938-TIR01C-10040MS08-Kwa-s
Sample Date & Time	13-Dec-23	13-Dec-23	13-Dec-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	69000	77000	74000
As [µg/g]	120	74	72
Ba [µg/g]	130	610	760
Be [µg/g]	0.41	1.3	1.3
Bi [µg/g]	0.21	0.77	0.23
Ca [µg/g]	98000	14000	11000
Cd [µg/g]	0.19	0.13	0.07
Co [µg/g]	45	8.5	21
Cr [µg/g]	130	19	77
Cu [µg/g]	100	24	48
Fe [µg/g]	63000	51000	36000
K [µg/g]	5900	20000	19000
Li [µg/g]	61	29	39
Mg [µg/g]	26000	10000	14000
Mn [µg/g]	2300	260	320
Mo [µg/g]	0.9	2.2	3.1
Ni [µg/g]	100	21	69
Pb [µg/g]	7	17	9
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.4	0.1	0.2
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	130	200	300
Ti [µg/g]	1300	1900	1200
Tl [µg/g]	0.34	0.41	0.47
U [µg/g]	0.13	1.51	1.10
V [µg/g]	200	35	87
Y [µg/g]	7.2	5.4	4.9
Zn [µg/g]	120	64	83

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 02 January 2024
LR Report: **CA19058-JAN24**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000933-T IR01C-10040MS 08-Kwa-s	6: ARDG-000934-T IR01C-10040MS 08-MV	7: ARDG-000935-T IR01C-10040MS 08-MV
Sample Date & Time					13-Dec-23	13-Dec-23	13-Dec-23
Sample weight [g]	03-Jan-24	12:00	05-Jan-24	10:49	250	249	251
Volume D.I. Water [mL]	04-Jan-24	06:00	05-Jan-24	10:49	750	750	750
pH [no unit]	05-Jan-24	06:30	05-Jan-24	10:49	9.16	8.72	8.74
pH [No unit]	05-Jan-24	14:49	08-Jan-24	10:51	8.01	7.99	7.96
Conductivity [uS/cm]	05-Jan-24	14:49	08-Jan-24	10:51	238	341	212
Alkalinity [mg/L as CaCO3]	05-Jan-24	14:49	08-Jan-24	10:51	57	83	66
SO4 [mg/L]	08-Jan-24	13:28	08-Jan-24	16:53	11	14	15
Hg (diss) [mg/L]	08-Jan-24	15:13	09-Jan-24	11:46	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.753	0.591	0.658
As (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.213	0.0775	0.0019
Ba (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.00283	0.00093	0.00180
B (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.016	0.021	0.009
Be (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	7.64	11.4	12.6
Cd (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.000004	< 0.000003	< 0.000003
Co (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.000020	0.000099	0.000035
Cr (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	16.1	4.65	6.73
Li (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.0010	0.0035	0.0017
Mg (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	1.96	5.07	4.24
Mn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.00107	0.00596	0.00472
Mo (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.00759	0.00413	0.00271
Na (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	22.6	43.4	17.5
Ni (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.0002	0.0004	0.0001
Pb (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.0094	0.0080	0.0145

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P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19058-JAN24**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000933-TIR01C-10040MS08-Kwa-s	6: ARDG-000934-TIR01C-10040MS08-MV	7: ARDG-000935-TIR01C-10040MS08-MV
Se (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.00021	0.00039	0.00037
Si (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	1.87	1.50	1.20
Sn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.0475	0.0203	0.0212
Ti (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.00022	0.00007	< 0.00007
Tl (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.000006	< 0.000005	0.000011
U (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.000313	0.000018	0.000014
W (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.00206	0.00156	0.00164
Y (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	0.00272	0.00148	0.00086
Zn (diss) [mg/L]	08-Jan-24	12:50	09-Jan-24	14:11	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000936-TIR01C-10040MS08-MV	9: ARDG-000937-TIR01C-10040MS08-Ksc-wa	10: ARD-000938-TIR01C-10040MS08-Kwa-s
Sample Date & Time	13-Dec-23	13-Dec-23	13-Dec-23
Sample weight [g]	249	250	251
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.61	8.99	9.22
pH [No unit]	7.99	8.09	8.26
Conductivity [uS/cm]	210	322	213
Alkalinity [mg/L as CaCO3]	74	72	54
SO4 [mg/L]	9	15	9
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.607	0.652	0.876
As (diss) [mg/L]	0.0167	0.0119	0.0831
Ba (diss) [mg/L]	0.00068	0.00477	0.00228
B (diss) [mg/L]	0.012	0.017	0.014
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	10.1	11.8	6.38
Cd (diss) [mg/L]	< 0.000003	0.000004	< 0.000003
Co (diss) [mg/L]	0.000037	0.000017	0.000014
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.0002	< 0.0002	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	4.91	21.9	17.1
Li (diss) [mg/L]	0.0021	0.0018	0.0009
Mg (diss) [mg/L]	4.78	3.94	1.66
Mn (diss) [mg/L]	0.00358	0.00123	0.00063
Mo (diss) [mg/L]	0.00789	0.00792	0.00502
Na (diss) [mg/L]	21.6	26.0	18.7
Ni (diss) [mg/L]	0.0002	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19058-JAN24**

Analysis	8: ARDG-000936-TIR01C-10040MS08-MV	9: ARDG-000937-TIR01C-10040MS08-Ksc-wa	10: ARD-000938-TIR01C-10040MS08-Kwa-s
Sb (diss) [mg/L]	0.0052	0.0025	0.0083
Se (diss) [mg/L]	0.00019	0.00020	0.00018
Si (diss) [mg/L]	1.24	1.60	1.92
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0150	0.0660	0.0363
Ti (diss) [mg/L]	< 0.00007	0.00011	0.00026
Tl (diss) [mg/L]	< 0.000005	0.000016	0.000007
U (diss) [mg/L]	0.000008	0.000178	0.000340
W (diss) [mg/L]	0.00094	0.00150	0.00222
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00087	0.00042	0.00332
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 02 January 2024
LR Report: **CA19056-JAN24**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000933-TIR01C-10040MS08-Kwa-s	6: ARDG-000934-TIR01C-10040MS08-MV	7: ARDG-000935-TIR01C-10040MS08-MV
Sample Date & Time					13-Dec-23	13-Dec-23	13-Dec-23
Paste pH [no unit]	06-Jan-24	10:44	08-Jan-24	11:51	9.03	8.80	8.83
Fizz Rate [rating]	04-Jan-24	15:05	08-Jan-24	11:51	3	3	3
Sample weight [g]	03-Jan-24	19:39	08-Jan-24	11:51	2.03	2.02	2.00
HCl_add [mL]	05-Jan-24	14:14	08-Jan-24	11:51	26.10	141.40	114.00
HCl [Normality]	04-Jan-24	15:41	08-Jan-24	11:51	0.10	0.10	0.10
NaOH [Normality]	04-Jan-24	15:41	08-Jan-24	11:51	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Jan-24	07:44	08-Jan-24	11:51	12.86	28.64	23.70
Final pH [no unit]	05-Jan-24	15:51	08-Jan-24	11:51	1.51	1.80	1.72
NP [t CaCO3/1000 t]	06-Jan-24	07:44	08-Jan-24	11:51	32.6	279	226
AP [t CaCO3/1000 t]	10-Jan-24	14:09	10-Jan-24	14:09	2.50	6.25	5.62
Net NP [t CaCO3/1000 t]	10-Jan-24	14:09	10-Jan-24	14:09	30.1	273	220
NP/AP [ratio]	10-Jan-24	14:09	10-Jan-24	14:09	13.0	44.7	40.1
S [%]	08-Jan-24	10:49	10-Jan-24	14:09	0.177	0.367	0.265
Acid Leachable SO4-S [%]	10-Jan-24	10-Jan-24	10-Jan-24	14:09	0.10	0.17	0.08
Sulphide [%]	10-Jan-24	13:07	10-Jan-24	14:09	0.08	0.20	0.18
C [%]	08-Jan-24	10:49	08-Jan-24	14:08	0.510	3.97	2.98
CO3 (HCl) as %CO3 [%]	08-Jan-24	10:58	08-Jan-24	14:08	2.15	19.3	14.4

Analysis	8: ARDG-000936-TIR01C-10040MS08-MV	9: ARDG-000937-TIR01C-10040MS08-Ksc-wa	10: ARD-000938-TIR01C-10040MS08-Kwa-s
Sample Date & Time	13-Dec-23	13-Dec-23	13-Dec-23
Paste pH [no unit]	8.94	8.83	9.15
Fizz Rate [rating]	3	3	3
Sample weight [g]	2.02	2.03	2.01
HCl_add [mL]	137.00	36.30	26.30
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19056-JAN24**

Analysis	8: ARDG-000936-TIR01C-10040MS08-MV	9: ARDG-000937-TIR01C-10040MS08-Ksc-wa	10: ARD-000938-TIR01C-10040MS08-Kwa-s
Vol NaOH to pH=8.3 [mL]	24.04	16.29	12.87
Final pH [no unit]	1.89	1.50	1.51
NP [t CaCO3/1000 t]	280	49.3	33.4
AP [t CaCO3/1000 t]	3.12	1.56	2.50
Net NP [t CaCO3/1000 t]	276	47.7	30.9
NP/AP [ratio]	89.5	31.6	13.4
S [%]	0.194	0.097	0.195
Acid Leachable SO4-S [%]	0.09	0.05	0.12
Sulphide [%]	0.10	0.05	0.08
C [%]	4.00	0.856	0.556
CO3 (HCl) as %CO3 [%]	19.5	3.86	2.24

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N\ NaOH \times NaOH \text{ added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003587204

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 02 January 2024
LR Report: **CA19059-JAN24**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000945-T IR01C-10040MS 09-Kwa-s	6: ARDG-000946-T IR01C-10040MS 09-Kwa-s	7: ARDG-000947-T IR01C-10040MS 09-Kwa-s
Sample Date & Time					22-Dec-23	22-Dec-23	22-Dec-23
Paste pH [no unit]	05-Jan-24	15:46	08-Jan-24	11:46	9.29	9.24	9.26
Fizz Rate [rating]	03-Jan-24	09:32	08-Jan-24	11:46	3	3	3
Sample weight [g]	03-Jan-24	13:15	08-Jan-24	11:46	2.03	2.02	2.01
HCl_add [mL]	05-Jan-24	08:44	08-Jan-24	11:46	26.40	28.60	28.60
HCl [Normality]	04-Jan-24	10:45	08-Jan-24	11:46	0.10	0.10	0.10
NaOH [Normality]	04-Jan-24	10:45	08-Jan-24	11:45	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	05-Jan-24	16:36	08-Jan-24	11:45	12.66	13.18	12.53
Final pH [no unit]	05-Jan-24	11:30	08-Jan-24	11:45	1.47	1.50	1.57
NP [t CaCO3/1000 t]	05-Jan-24	16:36	08-Jan-24	11:45	33.9	38.2	40.0
AP [t CaCO3/1000 t]	10-Jan-24	12:08	10-Jan-24	11:31	1.25	1.88	2.81
Net NP [t CaCO3/1000 t]	10-Jan-24	12:08	10-Jan-24	11:31	32.6	36.3	37.2
NP/AP [ratio]	10-Jan-24	12:09	10-Jan-24	11:31	27.1	20.4	14.2
S [%]	08-Jan-24	10:49	10-Jan-24	12:08	0.184	0.189	0.177
Acid Leachable SO4-S [%]	10-Jan-24	12:08	10-Jan-24	12:08	0.14	0.13	0.09
Sulphide [%]	10-Jan-24	11:28	10-Jan-24	12:08	0.04	0.06	0.09
C [%]	08-Jan-24	10:49	08-Jan-24	14:08	0.526	0.599	0.634
CO3 (HCl) as %CO3 [%]	08-Jan-24	10:58	08-Jan-24	14:08	2.15	2.48	2.68

Analysis	8: ARDG-000948-T IR01C-10040MS 09-Kwa-s	9: ARDG-000949-T IR01C-10040MS 09-Kwa-s	10: ARDG-000950-T IR01C-10040MS 09-Kwa-s	11: ARDG-000951-T IR01C-10040MS 09-Kwa-s
Sample Date & Time	22-Dec-23	22-Dec-23	22-Dec-23	22-Dec-23
Paste pH [no unit]	9.29	9.06	9.23	8.96
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.02	2.01	2.01	2.04
HCl_add [mL]	26.60	39.60	29.10	29.20
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19059-JAN24**

Analysis	8: ARDG-000948-TIR01C-10040MS 09-Kwa-s	9: ARDG-000949-TIR01C-10040MS 09-Kwa-s	10: ARDG-000950-TIR01C-10040MS 09-Kwa-s	11: ARDG-000951-TIR01C-10040MS 09-Kwa-s
Vol NaOH to pH=8.3 [mL]	12.91	17.67	13.28	10.28
Final pH [no unit]	1.48	1.43	1.47	1.78
NP [t CaCO3/1000 t]	33.9	54.5	39.4	46.4
AP [t CaCO3/1000 t]	1.25	7.19	1.56	6.56
Net NP [t CaCO3/1000 t]	32.6	47.3	37.8	39.8
NP/AP [ratio]	27.1	7.58	25.2	7.07
S [%]	0.181	0.366	0.232	0.362
Acid Leachable SO4-S [%]	0.18	0.14	0.18	0.15
Sulphide [%]	< 0.04	0.23	0.05	0.21
C [%]	0.541	0.839	0.649	0.825
CO3 (HCl) as %CO3 [%]	2.28	3.75	2.69	3.44

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N\ NaOH \times NaOH \text{ added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
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Date Rec. : 02 January 2024
LR Report: **CA19060-JAN24**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000945-T IR01C-10040MS 09-Kwa-s	6: ARDG-000946-T IR01C-10040MS 09-Kwa-s	7: ARDG-000947-T IR01C-10040MS 09-Kwa-s
Sample Date & Time					22-Dec-23	22-Dec-23	22-Dec-23
Ag [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	< 0.5	< 0.5	< 0.5
Al [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	81000	86000	83000
As [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	170	230	79
Ba [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	1300	1400	800
Be [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	1.4	1.5	1.3
Bi [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	0.15	0.19	0.47
Ca [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	12000	13000	13000
Cd [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	0.11	0.10	0.12
Co [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	25	25	20
Cr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	95	100	61
Cu [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	50	50	51
Fe [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	38000	41000	36000
K [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	20000	22000	19000
Li [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	45	49	41
Mg [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	15000	16000	14000
Mn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	340	380	390
Mo [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	2.4	2.4	3.0
Ni [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	80	86	68
Pb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	16	20	39
Sb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	< 0.8	< 0.8	< 0.8
Se [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	0.3	0.3	0.3
Sn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	< 6	< 6	< 6
Sr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	360	360	300
Ti [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	820	850	690
Tl [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	0.54	0.57	0.46
U [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	1.79	1.71	1.34
V [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	100	110	87
Y [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	6.49	7.01	6.77
Zn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:30	89	94	81

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19060-JAN24**

Analysis	8: ARDG-000948-TIR01C-10040MS09-Kwa-s	9: ARDG-000949-TIR01C-10040MS09-Kwa-s	10: ARDG-000950-TIR01C-10040MS09-Kwa-s	11: ARDG-000951-TIR01C-10040MS09-Kwa-s
Sample Date & Time	22-Dec-23	22-Dec-23	22-Dec-23	22-Dec-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	86000	62000	74000	57000
As [µg/g]	54	14	89	12
Ba [µg/g]	1300	740	1800	720
Be [µg/g]	1.6	1.1	1.7	1.1
Bi [µg/g]	0.30	0.24	0.32	0.23
Ca [µg/g]	9600	15000	11000	13000
Cd [µg/g]	0.08	0.13	0.10	0.12
Co [µg/g]	24	20	23	19
Cr [µg/g]	82	57	91	70
Cu [µg/g]	46	37	48	56
Fe [µg/g]	41000	28000	40000	29000
K [µg/g]	20000	14000	22000	14000
Li [µg/g]	48	25	49	29
Mg [µg/g]	16000	9800	16000	10000
Mn [µg/g]	370	310	370	320
Mo [µg/g]	2.2	2.5	2.6	2.6
Ni [µg/g]	77	54	80	57
Pb [µg/g]	13	25	50	33
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	360	360	360	330
Ti [µg/g]	840	1500	1600	1200
Tl [µg/g]	0.54	0.42	0.57	0.41
U [µg/g]	1.49	1.31	1.72	0.97
V [µg/g]	100	60	92	66
Y [µg/g]	6.04	4.92	5.73	3.63
Zn [µg/g]	95	66	89	77

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

16-January-2024

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Date Rec. : 04 January 2024
LR Report: **CA19072-JAN24**
Reference: Meliandine - PO#1254179

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000952 -TIR01C-1004 0MS10-MV	6: ARDG-000953 -TIR01C-1004 0MS10-MV	7: ARDG-000954 -TIR01C-1004 0MS10-MV
Sample Date & Time					27-Dec-23	27-Dec-23	27-Dec-23
Paste pH [no unit]	11-Jan-24	13:58	16-Jan-24	12:29	8.86	8.83	8.76
Fizz Rate [rating]	10-Jan-24	15:51	16-Jan-24	12:29	3	3	4
Sample weight [g]	10-Jan-24	11:20	16-Jan-24	12:29	2.00	2.00	2.30
HCl_add [mL]	226506	14:36	16-Jan-24	12:29	132.80	140.00	131.20
HCl [Normality]	10-Jan-24	16:35	16-Jan-24	12:29	0.10	0.10	0.10
NaOH [Normality]	10-Jan-24	16:35	16-Jan-24	12:29	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	11-Jan-24	16:39	16-Jan-24	12:29	68.10	36.91	28.20
Final pH [no unit]	11-Jan-24	16:39	16-Jan-24	12:29	1.82	1.70	1.83
NP [t CaCO3/1000 t]	11-Jan-24	16:39	16-Jan-24	12:29	162	253	236
AP [t CaCO3/1000 t]	11-Jan-24	16:39	16-Jan-24	12:29	2.50	4.38	8.12
Net NP [t CaCO3/1000 t]	11-Jan-24	16:39	16-Jan-24	12:29	159	248	228
NP/AP [ratio]	11-Jan-24	16:39	16-Jan-24	12:29	64.7	57.8	29.0
S [%]	10-Jan-24	11:04	10-Jan-24	12:09	0.180	0.226	0.507
Acid Leachable SO4-S [%]	10-Jan-24	12:09	10-Jan-24	12:09	0.10	0.09	0.25
Sulphide [%]	10-Jan-24	11:28	10-Jan-24	12:09	0.08	0.14	0.26
C [%]	10-Jan-24	11:03	10-Jan-24	12:09	3.52	3.51	3.49
CO3 (HCl) as %CO3 [%]	10-Jan-24	11:11	10-Jan-24	12:09	17.1	17.0	17.0

Analysis	8: ARDG-000955 -TIR01C-1004 0MS10-MV	9: ARDG-000956 -TIR01C-1004 0MS10-Kwa-s	10: ARDG-000957 -TIR01C-1004 0MS10-Kwa-s	11: ARDG-000958 -TIR01C-1004 0MS10-Kwa-s
Sample Date & Time	27-Dec-23	27-Dec-23	27-Dec-23	27-Dec-23
Paste pH [no unit]	8.95	9.20	9.10	9.09
Fizz Rate [rating]	4	4	3	3

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19072-JAN24**

Analysis	8: ARDG-000955 -TIR01C-1004 0MS10-MV	9: ARDG-000956 -TIR01C-1004 0MS10-Kwa-s	10: ARDG-000957 -TIR01C-1004 0MS10-Kwa-s	11: ARDG-000958 -TIR01C-1004 0MS10-Kwa-s
Sample weight [g]	2.40	2.10	2.10	2.10
HCl_add [mL]	141.50	40.00	25.00	26.10
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	31.25	17.98	8.78	9.57
Final pH [no unit]	1.72	1.42	1.96	1.81
NP [t CaCO3/1000 t]	256	52.4	38.6	39.4
AP [t CaCO3/1000 t]	5.31	3.12	3.12	1.25
Net NP [t CaCO3/1000 t]	250	49.3	35.5	38.2
NP/AP [ratio]	48.1	16.8	12.4	31.5
S [%]	0.360	0.315	0.336	0.204
Acid Leachable SO4-S [%]	0.19	0.22	0.24	0.16
Sulphide [%]	0.17	0.10	0.10	0.04
C [%]	3.27	0.846	0.680	0.688
CO3 (HCl) as %CO3 [%]	15.7	3.54	2.84	2.74

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

15-January-2024

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Date Rec. : 04 January 2024
LR Report: **CA19074-JAN24**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000952 -TIR01C-1004 0MS10-MV	6: ARDG-000953 -TIR01C-1004 0MS10-MV	7: ARDG-000954 -TIR01C-1004 0MS10-MV
Sample Date & Time					27-Dec-23	27-Dec-23	27-Dec-23
Sample weight [g]	08-Jan-24	10:00	15-Jan-24	10:50	249	252	250
Volume D.I. Water [mL]	135897	1.25	15-Jan-24	10:50	748	755	750
pH [no unit]	09-Jan-24	07:30	15-Jan-24	10:50	8.96	9.05	8.86
pH [No unit]	09-Jan-24	15:27	10-Jan-24	11:28	7.98	7.91	7.97
Conductivity [uS/cm]	09-Jan-24	15:27	10-Jan-24	11:28	202	166	245
Alkalinity [mg/L as CaCO3]	09-Jan-24	15:27	10-Jan-24	11:28	55	58	64
SO4 [mg/L]	10-Jan-24	12:26	10-Jan-24	16:14	10	6	18
Hg (diss) [mg/L]	10-Jan-24	17:10	11-Jan-24	09:35	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.725	0.810	0.601
As (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.0014	0.0015	0.0227
Ba (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.00789	0.00597	0.00842
B (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.011	0.009	0.021
Be (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.000007	0.000007	< 0.000007
Bi (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	11.1	10.2	13.5
Cd (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.000005	0.000007	0.000005
Co (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.000016	0.000012	0.000048
Cr (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.00008	0.00009	< 0.00008
Cu (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.0002	0.0003	0.0002
Fe (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	7.66	5.41	9.77
Li (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.0014	0.0012	0.0022
Mg (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	2.84	2.35	5.22
Mn (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.00251	0.00202	0.00433
Mo (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.00130	0.00109	0.00316
Na (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	20.5	15.1	21.1
Ni (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.0001	0.0001	0.0003

OnLine LIMS

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0003591234

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19074-JAN24**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000952 -TIR01C-1004 0MS10-MV	6: ARDG-000953 -TIR01C-1004 0MS10-MV	7: ARDG-000954 -TIR01C-1004 0MS10-MV
Pb (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.0024	0.0022	0.0058
Se (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.00035	0.00023	0.00062
Si (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	1.21	1.09	1.31
Sn (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.0477	0.0412	0.0535
Ti (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.00007	< 0.00007	< 0.00007
Tl (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.000041	0.000025	0.000019
U (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.000021	0.000012	0.000039
W (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.00061	0.00045	0.00138
Y (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	0.00075	0.00068	0.00076
Zn (diss) [mg/L]	11-Jan-24	13:16	11-Jan-24	14:11	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000955 -TIR01C-1004 0MS10-MV	9: ARDG-000956 -TIR01C-1004 0MS10-Kwa-s	10: ARDG-000957 -TIR01C-1004 0MS10-Kwa-s	11: ARDG-000958 -TIR01C-1004 0MS10-Kwa-s
Sample Date & Time	27-Dec-23	27-Dec-23	27-Dec-23	27-Dec-23
Sample weight [g]	251	250	250	251
Volume D.I. Water [mL]	753	751	750	754
pH [no unit]	8.94	9.31	9.27	9.32
pH [No unit]	7.89	8.39	9.63	8.29
Conductivity [uS/cm]	202	193	101	198
Alkalinity [mg/L as CaCO3]	61	57	57	51
SO4 [mg/L]	11	6	7	8
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.780	0.903	0.937	0.889
As (diss) [mg/L]	0.0333	0.102	0.0145	0.127
Ba (diss) [mg/L]	0.00092	0.00304	0.00634	0.00343
B (diss) [mg/L]	0.025	0.018	0.016	0.021
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	10.1	6.37	7.85	7.30
Cd (diss) [mg/L]	< 0.000003	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000029	0.000019	0.000021	0.000017
Cr (diss) [mg/L]	< 0.00008	0.00013	0.00012	0.00014
Cu (diss) [mg/L]	< 0.0002	< 0.0002	0.0003	< 0.0002
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	7.28	16.3	17.0	18.3
Li (diss) [mg/L]	0.0013	0.0009	0.0011	0.0008
Mg (diss) [mg/L]	2.81	1.54	1.84	1.53

OnLine LIMS

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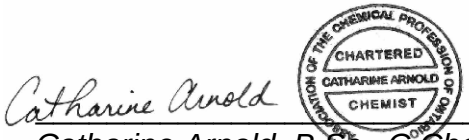
mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19074-JAN24**

Analysis	8: ARDG-000955 -TIR01C-1004 0MS10-MV	9: ARDG-000956 -TIR01C-1004 0MS10-Kwa-s	10: ARDG-000957 -TIR01C-1004 0MS10-Kwa-s	11: ARDG-000958 -TIR01C-1004 0MS10-Kwa-s
Mn (diss) [mg/L]	0.00283	0.00091	0.00083	0.00059
Mo (diss) [mg/L]	0.00216	0.00699	0.00444	0.00494
Na (diss) [mg/L]	22.4	19.0	17.8	18.2
Ni (diss) [mg/L]	0.0002	0.0002	0.0002	0.0002
Pb (diss) [mg/L]	0.00024	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0056	0.0079	0.0067	0.0104
Se (diss) [mg/L]	0.00042	0.00014	0.00019	0.00016
Si (diss) [mg/L]	1.23	2.25	1.89	1.90
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0193	0.0364	0.0572	0.0400
Ti (diss) [mg/L]	< 0.00007	0.00010	0.00027	0.00016
Tl (diss) [mg/L]	0.000013	0.000009	0.000008	0.000010
U (diss) [mg/L]	0.000021	0.000339	0.000166	0.000169
W (diss) [mg/L]	0.00077	0.00383	0.00166	0.00166
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V (diss) [mg/L]	0.00119	0.00361	0.00191	0.00287
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

15-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 04 January 2024
LR Report: **CA19073-JAN24**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000952-TIR01C-10040MS10-MV	6: ARDG-000953-TIR01C-10040MS10-MV	7: ARDG-000954-TIR01C-10040MS10-MV	8: ARDG-000955-TIR01C-10040MS10-MV	9: ARDG-000956-TIR01C-10040MS10-Kwa-s
Sample Date & Time					27-Dec-23	27-Dec-23	27-Dec-23	27-Dec-23	27-Dec-23
Ag [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	69000	71000	68000	72000	72000
As [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	17	17	280	160	73
Ba [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	1500	1400	1400	250	760
Be [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	1.0	1.0	1.1	0.81	1.2
Bi [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	< 0.09	0.09	0.12	< 0.09	0.21
Ca [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	96000	97000	83000	90000	17000
Cd [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	0.17	0.19	0.20	0.19	0.10
Co [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	40	43	40	45	19
Cr [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	97	110	94	100	52
Cu [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	85	92	114	103	47
Fe [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	66000	67000	69000	73000	35000
K [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	8200	8200	11000	8300	17000
Li [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	79	82	58	78	32
Mg [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	23000	23000	20000	22000	12000
Mn [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	1700	1800	1700	1800	360
Mo [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	0.9	0.6	1.6	0.8	2.5
Ni [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	110	110	100	110	62
Pb [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	17	17	35	19	11
Sb [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	0.4	0.4	0.7	0.5	0.3
Sn [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	280	280	250	130	330
Ti [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	1900	2000	3900	2200	1600
Tl [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	0.49	0.46	0.57	0.47	0.39
U [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	0.17	0.18	0.28	0.25	1.5
V [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	200	200	200	210	76
Y [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	11.9	11.0	9.0	8.4	6.0
Zn [µg/g]	11-Jan-24	11:58	12-Jan-24	15:42	91	95	120	130	56

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19073-JAN24**

Analysis	10: ARDG-000957-TI R01C-10040MS1 0-Kwa-s	11: ARDG-000958-TI R01C-10040MS1 0-Kwa-s
Sample Date & Time	27-Dec-23	27-Dec-23
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	75000	72000
As [µg/g]	28	60
Ba [µg/g]	1600	910
Be [µg/g]	1.4	1.5
Bi [µg/g]	0.19	0.39
Ca [µg/g]	13000	12000
Cd [µg/g]	0.08	0.08
Co [µg/g]	16	21
Cr [µg/g]	47	62
Cu [µg/g]	35	41
Fe [µg/g]	40000	41000
K [µg/g]	18000	22000
Li [µg/g]	38	41
Mg [µg/g]	13000	16000
Mn [µg/g]	300	320
Mo [µg/g]	2.3	2.3
Ni [µg/g]	59	71
Pb [µg/g]	18	31
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	0.3	0.3
Sn [µg/g]	< 6	< 6
Sr [µg/g]	430	290
Ti [µg/g]	2300	2100
Tl [µg/g]	0.46	0.50
U [µg/g]	1.6	1.7
V [µg/g]	74	88
Y [µg/g]	6.1	5.6
Zn [µg/g]	75	76

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 07 December 2023
LR Report: **CA19071-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000903-T IR01C-10040MS 02-Kwa-s	6: ARDG-000904-T IR01C-10040MS 02-Kwa-s	7: ARDG-000905-T IR01C-10040MS 02-Kwa-s
Sample Date & Time					28-Dec-23	28-Dec-23	28-Dec-23
Ag [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	< 0.5	< 0.5	< 0.5
Al [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	62000	62000	80000
As [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	35	27	68
Ba [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	530	550	640
Be [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	1.1	1.2	1.3
Bi [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	0.34	0.21	0.18
Ca [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	12000	12000	9700
Cd [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	0.10	0.10	0.09
Co [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	19	19	22
Cr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	61	76	95
Cu [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	43	48	53
Fe [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	33000	35000	42000
K [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	15000	16000	21000
Li [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	31	34	42
Mg [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	12000	13000	16000
Mn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	320	350	390
Mo [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	3.1	2.9	2.5
Ni [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	62	67	76
Pb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	20	16	12
Sb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	< 0.8	< 0.8	< 0.8
Se [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	0.3	0.2	0.3
Sn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	< 6	< 6	< 6
Sr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	280	270	270
Ti [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	1000	890	830
Tl [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	0.41	0.45	0.51
U [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	1.13	1.05	1.59
V [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	73	80	100
Y [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	3.86	3.93	5.81
Zn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:03	77	83	86

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0003587083

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19071-DEC23**

Analysis	8: ARDG-000906-TIR01C-10040MS02-Kwa-s	9: ARDG-000907-TIR01C-10040MS02-Kwa-s	10: ARDG-000908-TIR01C-10040MS02-Kwa-s	11: ARDG-000909-TIR01C-10040MS02-Kwa-s	12: ARDG-000910-TIR01C-10040MS02-Kwa-s	13: ARDG-000911-TIR01C-10040MS02-Kwa-s	14: ARDG-000912-TIR01C-10040MS02-Kwa-s
Sample Date & Time	28-Dec-23	29-Dec-23	29-Dec-23	29-Dec-23	29-Dec-23	29-Dec-23	29-Dec-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	63000	60000	41000	50000	63000	63000	63000
As [µg/g]	66	51	48	13	10	26	31
Ba [µg/g]	750	640	630	830	900	710	680
Be [µg/g]	1.1	1.2	1.2	1.1	1.1	1.1	1.4
Bi [µg/g]	0.65	0.18	0.15	0.21	0.19	0.17	0.20
Ca [µg/g]	12000	11000	9200	9500	12000	12000	12000
Cd [µg/g]	0.11	0.12	0.09	0.07	0.07	0.05	0.20
Co [µg/g]	18	23	22	18	19	19	22
Cr [µg/g]	84	113	78	71	73	84	108
Cu [µg/g]	45	50	48	40	49	48	51
Fe [µg/g]	32000	39000	34000	30000	31000	31000	37000
K [µg/g]	17000	19000	16000	17000	18000	18000	17000
Li [µg/g]	32	39	37	34	31	29	42
Mg [µg/g]	12000	14000	13000	12000	12000	11000	14000
Mn [µg/g]	310	340	280	240	280	250	350
Mo [µg/g]	2.8	3.0	2.9	2.8	3.1	3.7	3.1
Ni [µg/g]	60	78	69	62	59	59	75
Pb [µg/g]	19	15	15	12	10	8	15
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.3	0.2	0.2	0.2	0.3	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	270	250	220	270	320	300	260
Ti [µg/g]	1500	850	850	820	2100	2600	660
Tl [µg/g]	0.44	0.51	0.45	0.44	0.45	0.43	0.45
U [µg/g]	0.85	1.05	0.82	1.06	1.43	1.31	1.03
V [µg/g]	75	97	81	69	70	70	90
Y [µg/g]	3.92	4.72	3.03	3.82	6.03	5.53	4.30
Zn [µg/g]	72	88	82	71	66	58	84

Analysis	15: ARDG-000913-TIR01C-10040MS02-Kwa-s	16: ARDG-000914-TIR01C-10040MS02-Kwa-s	17: ARDG-000915-TIR01C-10040MS02-Kwa-s	18: ARDG-000916-TIR01C-10040MS02-Kwa-s	19: ARDG-000917-TIR01C-10040MS02-Kwa-s	20: ARDG-000918-TIR01C-10040MS02-Kwa-s	21: ARDG-000919-TIR01C-10040MS02-Kwa-s
Sample Date & Time	29-Dec-23	29-Dec-23	29-Dec-23	29-Dec-23	29-Dec-23	29-Dec-23	29-Dec-23
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	55000	53000	58000	65000	42000	55000	52000
As [µg/g]	27	24	37	38	120	18	100
Ba [µg/g]	550	570	600	800	510	840	950
Be [µg/g]	1.4	1.1	1.2	1.1	1.1	1.2	1.4
Bi [µg/g]	0.20	0.16	0.15	0.14	0.14	0.28	0.23
Ca [µg/g]	11000	14000	11000	11000	8600	12000	8800
Cd [µg/g]	0.14	0.14	0.08	0.07	0.07	0.09	0.10
Co [µg/g]	21	19	21	18	22	19	25
Cr [µg/g]	79	68	71	101	93	70	111

OnLine LIMS

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0003587083

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : **CA19071-DEC23**

Analysis	15: ARDG-000913-TIR01C-10040MS02-Kwa-s	16: ARDG-000914-TIR01C-10040MS02-Kwa-s	17: ARDG-000915-TIR01C-10040MS02-Kwa-s	18: ARDG-000916-TIR01C-10040MS02-Kwa-s	19: ARDG-000917-TIR01C-10040MS02-Kwa-s	20: ARDG-000918-TIR01C-10040MS02-Kwa-s	21: ARDG-000919-TIR01C-10040MS02-Kwa-s
Cu [µg/g]	44	42	48	41	50	41	60
Fe [µg/g]	36000	27000	34000	30000	34000	31000	44000
K [µg/g]	16000	12000	18000	16000	18000	19000	24000
Li [µg/g]	40	27	37	28	35	28	52
Mg [µg/g]	13000	8700	13000	11000	13000	12000	17000
Mn [µg/g]	350	300	320	270	260	270	320
Mo [µg/g]	4.6	3.6	3.1	3.4	3.4	2.5	2.5
Ni [µg/g]	73	52	68	59	72	62	92
Pb [µg/g]	18	13	17	11	12	11	15
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	220	270	240	320	210	310	220
Ti [µg/g]	640	680	750	1300	690	1200	820
Tl [µg/g]	0.45	0.34	0.44	0.44	0.46	0.54	0.63
U [µg/g]	1.10	1.00	0.81	1.08	1.29	1.32	1.49
V [µg/g]	77	54	75	69	84	71	120
Y [µg/g]	3.73	4.06	4.18	4.62	3.50	4.34	3.92
Zn [µg/g]	80	71	81	68	79	66	94

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003587083

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Appendix C: Filtered Tailings Laboratory Certificates of Analysis

SGS Canada Inc.
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Project : PO#1124452

16-February-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

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, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 25 January 2023
LR Report: **CA19158-JAN23**

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings- solid 1/08/23	6: Tailings- solid 1/17/23	7: Tailings- solid 1/22/23	8: Tailings- solid-composite 12/25/23 -1/08/23	9: Tailings- solid-composite 1/09/23 - 1/17/23	10: Tailings- solid-composite 1/18/23 - 1/22/23
Sample Date & Time					8-Jan-23 14:20	17-Jan-23	22-Jan-23 07:15	N/A	N/A	N/A
Ag [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	55000	51000	53000	50000	54000	52000
As [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	7200	8500	6800	5400	8100	7100
Ba [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	450	430	470	500	480	470
Be [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	1.2	1.3	1.2	1.2	1.2	1.2
Bi [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	1.2	1.7	1.4	0.97	1.3	1.6
Ca [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	25000	25000	26000	24000	24000	25000
Cd [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	0.30	0.48	0.36	0.19	0.34	0.31
Co [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	12	12	12	11	12	12
Cr [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	40	45	51	53	51	40
Cu [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	65	76	78	62	68	78
Fe [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	96000	95000	97000	100000	100000	88000
K [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	12000	11000	11000	11000	12000	12000
Li [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	20	18	19	19	18	18
Mg [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	9800	9600	9700	9300	9400	9300
Mn [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	390	410	400	370	370	400
Mo [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	7.5	9.6	9.5	6.5	8.8	11
Ni [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	30	31	31	28	30	29
Pb [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	230	420	320	190	280	380

OnLine LIMS

0003233532

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Project : PO#1124452

LR Report : **CA19158-JAN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings- solid 1/08/23	6: Tailings- solid 1/17/23	7: Tailings- solid 1/22/23	8: Tailings- solid-composite 12/25/23 - 1/08/23	9: Tailings- solid-composite 1/09/23 - 1/17/23	10: Tailings- solid-composite 1/18/23 - 1/22/23
Sb [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	3.9	4.0	3.6	3.0	4.5	3.4
Se [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	0.9	1.0	0.9	0.7	0.8	0.9
Sn [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	210	190	210	200	200	200
Ti [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	1700	1800	1900	1900	1900	2000
Tl [µg/g]	09-Feb-23	11:41	13-Feb-23	11:20	0.35	0.39	0.34	0.31	0.36	0.36
U [µg/g]	09-Feb-23	11:41	13-Feb-23	11:21	1.2	1.3	1.2	1.2	1.4	1.2
V [µg/g]	09-Feb-23	11:41	13-Feb-23	11:21	54	55	57	55	51	53
Y [µg/g]	09-Feb-23	11:41	13-Feb-23	11:21	6.0	5.8	5.5	5.3	6.0	5.7
Zn [µg/g]	09-Feb-23	11:41	13-Feb-23	11:21	84	110	86	70	78	98

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1124452

22-February-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Date Rec. : 25 January 2023
LR Report: **CA19157-JAN23**

Copy: #1

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings- solid 1/08/23	6: Tailings- solid 1/17/23	7: Tailings- solid 1/22/23
Sample Date & Time					8-Jan-23 14:20	17-Jan-23	22-Jan-23 07:15
Paste pH [no unit]	13-Feb-23	16:28	15-Feb-23	11:23	8.57	8.53	8.32
Fizz Rate [rating]	13-Feb-23	16:28	15-Feb-23	11:23	3	3	3
Sample weight [g]	13-Feb-23	16:28	15-Feb-23	11:23	1.94	1.93	1.96
HCl_add [mL]	13-Feb-23	16:28	15-Feb-23	11:23	75.00	74.00	73.50
HCl [Normality]	13-Feb-23	16:28	15-Feb-23	11:23	0.10	0.10	0.10
NaOH [Normality]	13-Feb-23	16:28	15-Feb-23	11:23	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14-Feb-23	16:30	15-Feb-23	11:23	43.22	41.42	41.20
Final pH [no unit]	14-Feb-23	16:30	15-Feb-23	11:23	1.57	1.58	1.57
NP [t CaCO3/1000 t]	14-Feb-23	16:30	15-Feb-23	11:23	81.9	84.4	82.4
AP [t CaCO3/1000 t]	03-Feb-23	09:27	15-Feb-23	11:23	35.9	37.2	33.8
Net NP [t CaCO3/1000 t]	15-Feb-23	11:23	15-Feb-23	11:23	46.0	47.2	48.6
NP/AP [ratio]	15-Feb-23	11:23	15-Feb-23	11:23	2.28	2.27	2.44
S [%]	30-Jan-23	16:35	03-Feb-23	09:27	1.28	1.32	1.17
Acid Leachable SO4-S [%]	03-Feb-23	09:27	03-Feb-23	09:27	0.13	0.13	0.09
Sulphide [%]	03-Feb-23	07:33	03-Feb-23	09:27	1.15	1.19	1.08
C [%]	30-Jan-23	16:35	03-Feb-23	09:25	1.22	1.27	1.24
CO3 (HCl) [%]	03-Feb-23	06:48	03-Feb-23	09:25	5.72	5.97	5.86

Analysis	8: Tailings- solid-composite 12/25/22 - 1/08/23	9: Tailings- solid-composite 1/09/23 - 1/17/23	10: Tailings- solid-composite 1/18/23 - 1/22/23
Sample Date & Time	25-Dec-22	01-Jan-23	18-Jan-23
Paste pH [no unit]	8.32	8.35	8.42
Fizz Rate [rating]	3	3	3
Sample weight [g]	1.95	1.91	2.04
HCl_add [mL]	72.50	68.00	72.00

OnLine LIMS

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0003239141

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Project : PO#1124452

LR Report : **CA19157-JAN23**

Analysis	8: Tailings- solid-composite 12/25/22 - 1/08/23	9: Tailings- solid-composite 1/09/23 - 1/17/23	10: Tailings- solid-composite 1/18/23 - 1/22/23
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	41.59	38.35	38.25
Final pH [no unit]	1.56	1.58	1.60
NP [t CaCO3/1000 t]	79.3	77.6	82.7
AP [t CaCO3/1000 t]	31.6	39.4	36.2
Net NP [t CaCO3/1000 t]	47.7	38.2	46.4
NP/AP [ratio]	2.51	1.97	2.28
S [%]	1.12	1.36	1.28
Acid Leachable SO4-S [%]	0.11	0.10	0.12
Sulphide [%]	1.01	1.26	1.16
C [%]	1.20	1.19	1.27
CO3 (HCl) [%]	5.60	5.54	5.95

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003239141

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Project : PO# 1124452

22-February-2023

Date Rec. : 02 February 2023
LR Report: **CA19039-FEB23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					29-Jan-23	29-Jan-23
Paste pH [no unit]	15-Feb-23	08:00	17-Feb-23	08:37	8.32	8.31
Fizz Rate [rating]	15-Feb-23	08:00	17-Feb-23	08:37	4	4
Sample weight [g]	15-Feb-23	08:00	17-Feb-23	08:37	2.13	2.16
HCl_add [mL]	15-Feb-23	06:26	17-Feb-23	08:37	91.80	90.30
HCl [Normality]	15-Feb-23	08:00	17-Feb-23	08:37	0.10	0.10
NaOH [Normality]	15-Feb-23	08:00	17-Feb-23	08:37	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Feb-23	08:00	17-Feb-23	08:37	60.93	59.16
Final pH [no unit]	15-Feb-23	08:00	17-Feb-23	08:37	1.67	1.71
NP [t CaCO3/1000 t]	15-Feb-23	08:00	17-Feb-23	08:37	72.5	72.1
AP [t CaCO3/1000 t]	17-Feb-23	08:37	17-Feb-23	08:38	35.0	35.9
Net NP [t CaCO3/1000 t]	17-Feb-23	08:37	17-Feb-23	08:38	37.5	36.2
NP/AP [ratio]	17-Feb-23	08:37	17-Feb-23	08:38	2.07	2.01
S [%]	09-Feb-23	09:51	10-Feb-23	16:53	1.24	1.24
Acid Leachable SO4-S [%]	10-Feb-23	14:40	10-Feb-23	16:53	0.12	0.09
Sulphide [%]	10-Feb-23	14:40	10-Feb-23	16:53	1.12	1.15
C [%]	09-Feb-23	09:51	10-Feb-23	16:53	1.24	1.17

OnLine LIMS

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Project : PO# 1124452

LR Report : **CA19039-FEB23**

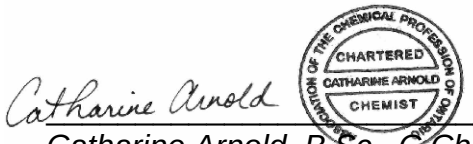
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
CO3 (HCl) [%]	10-Feb-23	08:42	10-Feb-23	16:53	5.87	5.53

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.



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OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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mel

Project : PO# 1124452

01-March-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
Canada, X0C 0A0
Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 02 February 2023
LR Report: **CA19040-FEB23**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					29-Jan-23	29-Jan-23
Ag [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	< 0.5	< 0.5
Al [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	56000	53000
As [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	7100	7100
Ba [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	460	440
Be [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	1.2	1.1
Bi [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	1.4	1.2
Ca [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	25000	24000
Cd [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	0.34	0.34
Co [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	13	12
Cr [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	90	84
Cu [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	77	74
Fe [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	95000	100000
K [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	13000	11000
Li [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	18	18
Mg [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	10000	9500
Mn [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	420	380
Mo [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	8.5	9.6
Ni [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	33	29
Pb [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	250	320
Sb [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	3.5	3.5
Se [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	0.8	0.8
Sn [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	< 6	< 6
Sr [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	200	210
Ti [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	2200	2000
Tl [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	0.36	0.32
U [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	1.3	1.2
V [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	58	51
Y [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	6.42	6.42

OnLine LIMS

00032485S8

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Project : PO# 1124452

LR Report : **CA19040-FEB23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Zn [µg/g]	09-Feb-23	11:41	13-Feb-23	11:16	95	83

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00032485S8

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Project : PO#1254179

27-March-2023

Agnico Eagle Mines Limited
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Meliadine
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Date Rec. : 16 February 2023
LR Report: **CA19103-FEB23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings - Solid 1 DUP
Sample Date & Time					05-Feb-23 14:00	05-Feb-23 14:00
Ag [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	< 0.5	< 0.5
Al [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	57000	58000
As [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	8900	8800
Ba [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	580	580
Be [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	1.2	1.2
Bi [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	1.6	1.5
Ca [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	32000	32000
Cd [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	0.38	0.39
Co [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	16	17
Cr [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	63	69
Cu [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	75	74
Fe [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	96000	93000
K [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	16000	16000
Li [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	16	16
Mg [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	12000	12000
Mn [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	540	540
Mo [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	8.8	9.0
Ni [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	45	45
Pb [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	370	370
Sb [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	2.9	2.8
Se [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	1.1	1.1
Sn [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	< 6	< 6
Sr [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	240	240
Ti [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	2700	2700
Tl [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	0.50	0.49
U [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	1.30	1.27
V [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	78	80
Y [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	7.88	7.71
Zn [µg/g]	01-Mar-23	23:38	06-Mar-23	09:14	100	100

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00032788893

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Project : PO#1254179

LR Report : **CA19103-FEB23**

Analysis	7: Tailings -Solid Composite 1	8: Tailings - Solid 2	9: Tailings -Solid Composite 2
Sample Date & Time	05-Feb-23 14:00	12-Feb-23 08:00	12-Feb-23 08:00
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	55000	54000	54000
As [µg/g]	8200	8600	7300
Ba [µg/g]	540	600	610
Be [µg/g]	1.1	1.1	1.2
Bi [µg/g]	1.3	1.7	1.2
Ca [µg/g]	28000	26000	28000
Cd [µg/g]	0.35	0.46	0.36
Co [µg/g]	14	14	15
Cr [µg/g]	65	52	57
Cu [µg/g]	73	73	77
Fe [µg/g]	100000	110000	100000
K [µg/g]	15000	16000	16000
Li [µg/g]	15	16	16
Mg [µg/g]	11000	11000	11000
Mn [µg/g]	480	420	460
Mo [µg/g]	7.9	11	7.7
Ni [µg/g]	37	39	41
Pb [µg/g]	290	290	250
Sb [µg/g]	2.7	2.8	2.3
Se [µg/g]	1.0	0.9	0.9
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	240	240	240
Ti [µg/g]	2400	2600	2500
Tl [µg/g]	0.47	0.50	0.51
U [µg/g]	1.27	1.41	1.30
V [µg/g]	64	66	72
Y [µg/g]	7.17	7.19	7.41
Zn [µg/g]	84	71	80

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003278893

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Project : PO#1254179

07-June-2023

Agnico Eagle Mines Limited
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Date Rec. : 09 May 2023
LR Report: **CA19063-MAY23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings - Solid 1 DUP	7: Tailings -Solid Composite 1
Sample Date & Time					05-Feb-23 14:00	05-Feb-23 14:00	05-Feb-23 14:00
CN(T) [µg/g]	31-May-23	09:31	06-Jun-23	14:48	16	< 10	22
CN(Free) [µg/g]	26-May-23	10:22	29-May-23	08:50	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	31-May-23	09:31	05-Jun-23	08:23	< 10	< 10	< 10

Analysis	8: Tailings - Solid 2	9: Tailings -Solid Composite 2
Sample Date & Time	12-Feb-23 08:00	12-Feb-23 08:00
CN(T) [µg/g]	27	24
CN(Free) [µg/g]	< 0.05	< 0.05
CNWAD [µg/g]	< 10	< 10

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003357809

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Project : PO#1254179

27-March-2023

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Date Rec. : 16 February 2023
LR Report: **CA19102-FEB23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings - Solid 1 DUP
Sample Date & Time					05-Feb-23 14:00	05-Feb-23 14:00
Paste pH [no unit]	28-Feb-23	08:28	01-Mar-23	16:14	8.35	8.30
Fizz Rate [rating]	28-Feb-23	08:28	01-Mar-23	16:14	2	3
Sample weight [g]	28-Feb-23	08:28	01-Mar-23	16:14	1.98	2.00
HCl_add [mL]	28-Feb-23	08:28	01-Mar-23	16:14	60.00	72.00
HCl [Normality]	28-Feb-23	08:28	01-Mar-23	16:14	0.10	0.10
NaOH [Normality]	28-Feb-23	08:28	01-Mar-23	16:14	0.10	0.10
Vol NaOH to pH=8.3 [mL]	01-Mar-23	08:28	01-Mar-23	16:14	11.48	35.55
Final pH [no unit]	01-Mar-23	08:28	01-Mar-23	16:14	1.89	1.67
NP [t CaCO3/1000 t]	01-Mar-23	08:28	01-Mar-23	16:14	122	91.1
AP [t CaCO3/1000 t]	10-Mar-23	11:02	10-Mar-23	11:03	32.5	32.5
Net NP [t CaCO3/1000 t]	10-Mar-23	11:02	10-Mar-23	11:03	90.0	58.6
NP/AP [ratio]	10-Mar-23	11:02	10-Mar-23	11:03	3.77	2.80
S [%]	01-Mar-23	09:17	10-Mar-23	11:03	1.15	1.16
Acid Leachable SO4-S [%]	10-Mar-23	11:02	10-Mar-23	11:03	0.11	0.12
Sulphide [%]	10-Mar-23	07:40	10-Mar-23	11:03	1.04	1.04
C [%]	01-Mar-23	09:17	10-Mar-23	11:03	1.40	1.40
CO3 (HCl) [%]	08-Mar-23	11:30	10-Mar-23	11:03	6.55	6.51

Analysis	7: Tailings -Solid Composite 1	8: Tailings - Solid 2	9: Tailings -Solid Composite 2
Sample Date & Time	05-Feb-23 14:00	12-Feb-23 08:00	12-Feb-23 08:00
Paste pH [no unit]	8.26	8.34	8.26
Fizz Rate [rating]	3	3	3
Sample weight [g]	2.00	1.96	2.07
HCl_add [mL]	67.50	62.00	71.00
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10

OnLine LIMS

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Project : PO#1254179

LR Report : **CA19102-FEB23**

Analysis	7: Tailings -Solid Composite 1	8: Tailings - Solid 2	9: Tailings -Solid Composite 2
Vol NaOH to pH=8.3 [mL]	31.70	27.96	31.28
Final pH [no unit]	1.63	1.66	1.67
NP [t CaCO3/1000 t]	89.5	86.8	95.9
AP [t CaCO3/1000 t]	34.4	38.1	30.9
Net NP [t CaCO3/1000 t]	55.1	48.7	65.0
NP/AP [ratio]	2.60	2.28	3.10
S [%]	1.25	1.33	1.10
Acid Leachable SO4-S [%]	0.15	0.11	0.12
Sulphide [%]	1.10	1.22	0.99
C [%]	1.32	1.27	1.34
CO3 (HCl) [%]	6.16	5.85	6.20

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003278876

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Project : PO#1124452

27-March-2023

Date Rec. : 24 February 2023
LR Report: **CA19129-FEB23**
Reference: PO#1124452

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings - Solid Composite 1
Sample Date & Time					19-Feb-23 8:45	19-Feb-23 8:40
Ag [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	52	< 0.5
Al [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	50000	50000
As [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	5200	7000
Ba [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	880	1000
Be [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	1.5	1.8
Bi [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	0.91	1.3
Ca [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	24000	26000
Cd [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	0.32	0.28
Co [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	12	11
Cr [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	52	57
Cu [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	77	81
Fe [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	120000	130000
K [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	14000	14000
Li [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	18	19
Mg [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	9600	10000

OnLine LIMS

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SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

0003278906

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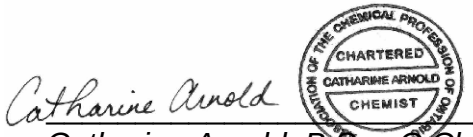
Project : PO#1124452

LR Report : **CA19129-FEB23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings - Solid Composite 1
Mn [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	400	420
Mo [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	5.5	7.9
Ni [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	31	31
Pb [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	240	360
Sb [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	2.2	3.1
Se [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	0.7	0.8
Sn [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	< 6	< 6
Sr [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	300	310
Ti [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	2500	2400
Tl [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	0.46	0.52
U [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	1.77	1.76
V [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	57	64
Y [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	8.14	7.97
Zn [µg/g]	02-Mar-23	16:55	03-Mar-23	15:04	99	78



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
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Phone: 705-652-2000 FAX: 705-652-6365

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Project : PO#1124452

27-March-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 24 February 2023
LR Report: **CA19128-FEB23**
Reference: PO#1124452

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings - Solid Composite 1
Sample Date & Time					19-Feb-23 8:45	19-Feb-23 8:40
Paste pH [no unit]	13-Mar-23	16:12	15-Mar-23	07:57	8.44	8.28
Fizz Rate [rating]	13-Mar-23	16:12	15-Mar-23	07:57	3	3
Sample weight [g]	13-Mar-23	16:12	15-Mar-23	07:57	2.00	2.00
HCl_add [mL]	13-Mar-23	16:12	15-Mar-23	07:57	75.00	75.00
HCl [Normality]	13-Mar-23	16:12	15-Mar-23	07:57	0.10	0.10
NaOH [Normality]	13-Mar-23	16:12	15-Mar-23	07:57	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14-Mar-23	16:11	15-Mar-23	07:57	38.13	39.32
Final pH [no unit]	14-Mar-23	16:11	15-Mar-23	07:57	1.59	1.58
NP [t CaCO3/1000 t]	14-Mar-23	16:11	15-Mar-23	07:57	92.2	89.2
AP [t CaCO3/1000 t]	15-Mar-23	07:57	15-Mar-23	07:58	36.6	42.8
Net NP [t CaCO3/1000 t]	15-Mar-23	07:57	15-Mar-23	07:58	55.6	46.4
NP/AP [ratio]	15-Mar-23	07:57	15-Mar-23	07:58	2.52	2.08
S [%]	08-Mar-23	09:41	09-Mar-23	11:33	1.21	1.35
Acid Leachable SO4-S [%]	09-Mar-23	11:33	09-Mar-23	11:33	< 0.04	< 0.04
Sulphide [%]	09-Mar-23	08:25	09-Mar-23	11:33	1.17	1.37

OnLine LIMS

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Project : PO#1124452

LR Report : **CA19128-FEB23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings - Solid Composite 1
C [%]	08-Mar-23	09:41	09-Mar-23	11:33	1.38	1.39
CO3 (HCl) [%]	09-Mar-23	07:08	09-Mar-23	11:33	6.25	6.47

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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Project : PO#1254179

07-June-2023

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Date Rec. : 09 May 2023
LR Report: **CA19063-MAY23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings - Solid 1 DUP	7: Tailings -Solid Composite 1
Sample Date & Time					05-Feb-23 14:00	05-Feb-23 14:00	05-Feb-23 14:00
CN(T) [µg/g]	31-May-23	09:31	06-Jun-23	14:48	16	< 10	22
CN(Free) [µg/g]	26-May-23	10:22	29-May-23	08:50	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	31-May-23	09:31	05-Jun-23	08:23	< 10	< 10	< 10

Analysis	8: Tailings - Solid 2	9: Tailings -Solid Composite 2
Sample Date & Time	12-Feb-23 08:00	12-Feb-23 08:00
CN(T) [µg/g]	27	24
CN(Free) [µg/g]	< 0.05	< 0.05
CNWAD [µg/g]	< 10	< 10

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0003357809

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Project : PO#1124452

27-March-2023

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Date Rec. : 03 March 2023
LR Report: **CA19025-MAR23**
Reference: PO#1124452

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					26-Feb-23 15:00	26-Feb-23 15:00
Paste pH [no unit]	14-Mar-23	16:04	16-Mar-23	08:08	8.51	8.38
Fizz Rate [rating]	14-Mar-23	16:04	16-Mar-23	08:08	3	3
Sample weight [g]	14-Mar-23	16:04	16-Mar-23	08:08	1.90	1.98
HCl_add [mL]	14-Mar-23	16:04	16-Mar-23	08:08	67.00	66.50
HCl [Normality]	14-Mar-23	16:04	16-Mar-23	08:08	0.10	0.10
NaOH [Normality]	14-Mar-23	16:04	16-Mar-23	08:08	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Mar-23	16:08	16-Mar-23	08:08	33.12	31.15
Final pH [no unit]	15-Mar-23	16:08	16-Mar-23	08:08	1.60	1.74
NP [t CaCO3/1000 t]	15-Mar-23	16:08	16-Mar-23	08:08	89.2	89.3
AP [t CaCO3/1000 t]	22-Mar-23	15:25	22-Mar-23	15:25	41.9	37.5
Net NP [t CaCO3/1000 t]	22-Mar-23	15:25	22-Mar-23	15:25	47.3	51.8
NP/AP [ratio]	22-Mar-23	15:25	22-Mar-23	15:25	2.13	2.38
S [%]	16-Mar-23	07:13	22-Mar-23	15:25	1.32	1.29
Acid Leachable SO4-S [%]	22-Mar-23	15:25	22-Mar-23	15:25	< 0.04	0.09
Sulphide [%]	22-Mar-23	09:05	22-Mar-23	15:25	1.34	1.20

OnLine LIMS

0003278924

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Project : PO#1124452

LR Report : **CA19025-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	16-Mar-23	07:13	20-Mar-23	14:11	1.37	1.35
CO3 (HCl) [%]	20-Mar-23	11:02	20-Mar-23	14:11	6.14	6.15

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

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Project Specialist,
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OnLine LIMS

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Project : PO#1254179

29-May-2023

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Date Rec. : 09 May 2023
LR Report: **CA19065-MAY23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					26-Feb-23 15:00	26-Feb-23 15:00
CN(T) [µg/g]	25-May-23	12:23	29-May-23	08:41	17	17
CN(Free) [µg/g]	18-May-23	20:11	23-May-23	09:17	< 0.05	< 0.05
CNWAD [µg/g]	25-May-23	12:23	29-May-23	08:41	< 10	< 10

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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OnLine LIMS

0003347743

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Project : PO#1124452

27-March-2023

Date Rec. : 03 March 2023
LR Report: **CA19026-MAR23**
Reference: PO#1124452

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					26-Feb-23 15:00	26-Feb-23 15:00
Ag [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	< 0.5	< 0.5
Al [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	51000	51000
As [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	9700	7900
Ba [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	610	770
Be [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	1.2	1.4
Bi [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	1.0	1.1
Ca [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	28000	28000
Cd [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	0.38	0.34
Co [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	13	12
Cr [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	85	100
Cu [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	87	110
Fe [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	130000	130000
K [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	14000	15000
Li [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	16	16
Mg [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	11000	10000

OnLine LIMS

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Project : PO#1124452

LR Report : **CA19026-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Mn [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	460	440
Mo [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	6.2	6.6
Ni [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	35	32
Pb [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	180	260
Sb [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	3.0	2.5
Se [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	0.9	0.8
Sn [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	110	110
Sr [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	260	300
Ti [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	2200	2200
Tl [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	0.41	0.41
U [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	1.50	1.90
V [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	63	59
Y [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	7.16	9.02
Zn [µg/g]	09-Mar-23	12:15	09-Mar-23	15:30	110	92

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

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Project Specialist,
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OnLine LIMS

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Project : PO#1254179

27-March-2023

Date Rec. : 14 March 2023
LR Report: **CA19060-MAR23**
Reference: PO# 1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					05-Mar-23 15:15	05-Mar-23 15:15
Ag [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	< 0.5	< 0.5
Al [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	44000	52000
As [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	7400	8200
Ba [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	530	600
Be [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	1.00	1.2
Bi [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	0.88	0.96
Ca [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	23000	29000
Cd [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	0.46	0.31
Co [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	12	16
Cr [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	51	79
Cu [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	81	86
Fe [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	110000	130000
K [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	11000	14000
Li [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	14	17
Mg [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	9100	11000

OnLine LIMS

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Project : PO#1254179

LR Report : **CA19060-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Mn [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	400	460
Mo [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	7.0	8.2
Ni [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	31	38
Pb [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	160	200
Sb [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	< 0.8	< 0.8
Se [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	0.9	0.9
Sn [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	30	23
Sr [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	210	250
Ti [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	1700	2100
Tl [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	0.16	0.25
U [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	1.13	1.33
V [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	53	59
Y [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	5.96	6.71
Zn [µg/g]	17-Mar-23	11:02	23-Mar-23	15:59	140	100

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

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OnLine LIMS

0003278953

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Phone: 705-652-2000 FAX: 705-652-6365

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

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mel

Project : PO#1254179

25-May-2023

Date Rec. : 09 May 2023
LR Report: **CA19066-MAY23**
Reference: PO# 1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					05-Mar-23 15:15	05-Mar-23 15:15
CN(T) [µg/g]	18-May-23	14:07	23-May-23	13:38	18	< 10
CN(Free) [µg/g]	18-May-23	20:11	19-May-23	16:01	< 0.05	< 0.05
CNWAD [µg/g]	18-May-23	12:00	23-May-23	13:38	< 10	< 10

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003343202

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mel

Project : PO#1254179

04-April-2023

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Date Rec. : 14 March 2023
LR Report: **CA19059-MAR23**
Reference: PO# 1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					05-Mar-23 15:15	05-Mar-23 15:15
Paste pH [no unit]	16-Mar-23	16:02	18-Mar-23	10:19	8.73	8.46
Fizz Rate [rating]	16-Mar-23	16:02	18-Mar-23	10:19	4	4
Sample weight [g]	16-Mar-23	16:02	18-Mar-23	10:19	1.98	1.98
HCl_add [mL]	16-Mar-23	16:02	18-Mar-23	10:19	75.00	70.00
HCl [Normality]	16-Mar-23	16:02	18-Mar-23	10:19	0.10	0.10
NaOH [Normality]	16-Mar-23	16:02	18-Mar-23	10:19	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Mar-23	16:02	18-Mar-23	10:19	38.43	34.35
Final pH [no unit]	17-Mar-23	16:02	18-Mar-23	10:19	1.58	1.64
NP [t CaCO3/1000 t]	17-Mar-23	16:02	18-Mar-23	10:19	92.3	90.0
AP [t CaCO3/1000 t]	30-Mar-23	12:23	30-Mar-23	12:24	38.8	35.6
Net NP [t CaCO3/1000 t]	30-Mar-23	12:23	30-Mar-23	12:24	53.6	54.4
NP/AP [ratio]	30-Mar-23	12:23	30-Mar-23	12:24	2.38	2.53
S [%]	28-Mar-23	09:06	30-Mar-23	12:23	1.24	1.19
Acid Leachable SO4-S [%]	30-Mar-23	12:23	30-Mar-23	12:23	< 0.04	0.05
Sulphide [%]	29-Mar-23	16:48	30-Mar-23	12:23	1.24	1.14

OnLine LIMS

00032887 16

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Project : PO#1254179

LR Report : **CA19059-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	28-Mar-23	09:06	30-Mar-23	12:23	1.39	1.33
CO3 (HCl) [%]	30-Mar-23	09:46	30-Mar-23	12:23	5.92	5.75

ABA - Modified Sobek

*NP (Neutralization Potential)
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

                        Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
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OnLine LIMS

0003288716

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Project : PO#1254179

29-May-2023

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Date Rec. : 09 May 2023
LR Report: **CA19067-MAY23**
Reference: PO# 1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid Composite
Sample Date & Time					12-Mar-23 10:30	12-Mar-23 10:30
CN(T) [µg/g]	25-May-23	12:23	29-May-23	08:42	24	18
CN(Free) [µg/g]	18-May-23	20:11	23-May-23	09:17	< 0.05	< 0.05
CNWAD [µg/g]	25-May-23	12:23	29-May-23	08:42	< 10	< 10

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
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Environment, Health & Safety

OnLine LIMS

0003347736

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Project : PO#1254179

05-May-2023

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Date Rec. : 24 April 2023
LR Report: **CA19141-APR23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid Composite
Sample Date & Time					12-Mar-23 10:30	12-Mar-23 10:30
Ag [µg/g]	02-May-23	15:15	03-May-23	17:06	< 0.5	< 0.5
Al [µg/g]	02-May-23	15:15	03-May-23	17:06	52000	49000
As [µg/g]	02-May-23	15:15	03-May-23	17:06	11000	8800
Ba [µg/g]	02-May-23	15:15	03-May-23	17:06	520	620
Be [µg/g]	02-May-23	15:15	03-May-23	17:06	1.3	1.4
Bi [µg/g]	02-May-23	15:15	03-May-23	17:06	1.3	1.1
Ca [µg/g]	02-May-23	15:15	03-May-23	17:06	29000	28000
Cd [µg/g]	02-May-23	15:15	03-May-23	17:06	0.80	0.65
Co [µg/g]	02-May-23	15:15	03-May-23	17:06	15	12
Cr [µg/g]	02-May-23	15:15	03-May-23	17:06	110	95
Cu [µg/g]	02-May-23	15:15	03-May-23	17:06	78	76
Fe [µg/g]	02-May-23	15:15	03-May-23	17:06	140000	150000
K [µg/g]	02-May-23	15:15	03-May-23	17:06	13000	13000
Li [µg/g]	02-May-23	15:15	03-May-23	17:06	22	23
Mg [µg/g]	02-May-23	15:15	03-May-23	17:06	11000	11000
Mn [µg/g]	02-May-23	15:15	03-May-23	17:06	500	480
Mo [µg/g]	02-May-23	15:15	03-May-23	17:06	10	7.4
Ni [µg/g]	02-May-23	15:15	03-May-23	17:06	39	34
Pb [µg/g]	02-May-23	15:15	03-May-23	17:06	430	290
Sb [µg/g]	02-May-23	15:15	03-May-23	17:06	3.9	3.2
Se [µg/g]	02-May-23	15:15	03-May-23	17:06	1.1	0.9
Sn [µg/g]	02-May-23	15:15	03-May-23	17:06	6	< 6
Sr [µg/g]	02-May-23	15:15	03-May-23	17:06	250	260
Ti [µg/g]	02-May-23	15:15	03-May-23	17:06	2100	2100
Tl [µg/g]	02-May-23	15:15	03-May-23	17:06	0.43	0.40
U [µg/g]	02-May-23	15:15	03-May-23	17:07	1.7	1.6
V [µg/g]	02-May-23	15:15	03-May-23	17:07	67	63

OnLine LIMS

0003324207

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Project : PO#1254179

LR Report : **CA19141-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid Composite
Y [µg/g]	02-May-23	15:15	03-May-23	17:07	7.2	6.5
Zn [µg/g]	02-May-23	15:15	03-May-23	17:07	160	130

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003324207

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Project : PO#1254179

11-July-2023

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Date Rec. : 24 April 2023
LR Report: **CA19140-APR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					12-Mar-23 10:30	12-Mar-23 10:30
Paste pH [no unit]	14-May-23	08:01	15-May-23	12:00	8.21	8.45
Fizz Rate [rating]	14-May-23	08:01	15-May-23	12:00	4	4
Sample weight [g]	14-May-23	08:01	15-May-23	12:00	1.98	1.94
HCl_add [mL]	15-May-23	06:26	15-May-23	12:00	56.00	56.00
HCl [Normality]	14-May-23	08:01	15-May-23	12:00	0.10	0.10
NaOH [Normality]	14-May-23	08:01	15-May-23	12:00	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-May-23	08:18	15-May-23	12:00	23.43	24.53
Final pH [no unit]	15-May-23	08:18	15-May-23	12:00	1.85	1.92
NP [t CaCO3/1000 t]	15-May-23	08:18	15-May-23	12:00	82.2	81.1
AP [t CaCO3/1000 t]	15-May-23	12:00	15-May-23	12:00	41.2	34.1
Net NP [t CaCO3/1000 t]	15-May-23	12:00	15-May-23	12:00	41.0	47.0
NP/AP [ratio]	15-May-23	12:00	15-May-23	12:00	1.99	2.38
S [%]	10-May-23	16:27	15-May-23	12:00	1.42	1.32
Acid Leachable SO4-S [%]	15-May-23	12:00	15-May-23	12:00	0.10	0.23
Sulphide [%]	11-May-23	14:45	15-May-23	12:00	1.32	1.09

OnLine LIMS

00003394608

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Project : PO#1254179

LR Report : **CA19140-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	10-May-23	16:27	12-May-23	09:26	1.43	1.42
CO3 (HCl) as %CO3 [%]	10-May-23	09:38	12-May-23	09:26	6.00	6.14

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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OnLine LIMS

0003394608

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Project : PO#1254179

31-March-2023

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Date Rec. : 23 March 2023
LR Report: **CA19125-MAR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid Composite
Sample Date & Time					19-Mar-23	19-Mar-23
Paste pH [no unit]	29-Mar-23	07:59	30-Mar-23	16:48	8.77	8.63
Fizz Rate [rating]	29-Mar-23	07:59	30-Mar-23	16:48	3	3
Sample weight [g]	29-Mar-23	07:59	30-Mar-23	16:48	2.06	2.10
HCl_add [mL]	30-Mar-23	08:50	30-Mar-23	16:48	60.00	60.00
HCl [Normality]	29-Mar-23	07:59	30-Mar-23	16:48	0.10	0.10
NaOH [Normality]	29-Mar-23	07:59	30-Mar-23	16:48	0.10	0.10
Vol NaOH to pH=8.3 [mL]	30-Mar-23	08:50	30-Mar-23	16:48	25.52	25.34
Final pH [no unit]	30-Mar-23	08:50	30-Mar-23	16:48	1.75	1.80
NP [t CaCO3/1000 t]	30-Mar-23	08:50	30-Mar-23	16:48	83.7	82.5
AP [t CaCO3/1000 t]	31-Mar-23	11:45	31-Mar-23	11:55	60.0	45.3
Net NP [t CaCO3/1000 t]	31-Mar-23	11:45	31-Mar-23	11:55	23.7	37.2
NP/AP [ratio]	31-Mar-23	11:45	31-Mar-23	11:55	1.40	1.82
S [%]	29-Mar-23	10:08	31-Mar-23	11:45	1.89	1.50
Acid Leachable SO4-S [%]	31-Mar-23	11:45	31-Mar-23	11:45	< 0.04	0.05
Sulphide [%]	30-Mar-23	18:08	31-Mar-23	11:45	1.92	1.45

OnLine LIMS

0003286223

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Project : PO#1254179

LR Report : **CA19125-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid Composite
C [%]	29-Mar-23	10:08	31-Mar-23	11:45	1.33	1.34
CO3 (HCl) [%]	30-Mar-23	14:40	31-Mar-23	11:45	5.80	5.67

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

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Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003286223

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Project : PO#1254179

12-April-2023

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Date Rec. : 23 March 2023
LR Report: **CA19126-MAR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid Composite
Sample Date & Time					19-Mar-23	19-Mar-23
Ag [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	0.7	0.7
Al [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	48000	47000
As [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	15000	13000
Ba [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	420	470
Be [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	0.99	1.1
Bi [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	1.6	1.4
Ca [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	27000	27000
Cd [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	0.66	0.65
Co [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	16	16
Cr [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	80	81
Cu [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	140	110
Fe [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	110000	130000
K [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	14000	15000
Li [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	15	15
Mg [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	12000	12000
Mn [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	500	470
Mo [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	16	11
Ni [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	43	41
Pb [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	350	320
Sb [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	4.6	4.0
Se [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	1.7	1.2
Sn [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	< 6	< 6
Sr [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	230	250
Ti [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	2100	2000
Tl [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	0.48	0.49
U [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	1.4	1.4
V [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	71	67

OnLine LIMS

00032968B5

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mel

Project : PO#1254179

LR Report : **CA19126-MAR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid Composite
Y [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	7.8	7.8
Zn [µg/g]	04-Apr-23	20:54	11-Apr-23	10:52	170	160

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003296885

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Project : PO#1254179

25-May-2023

Date Rec. : 09 May 2023
LR Report: **CA19069-MAY23**
Reference: PO# 1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					26-Mar-23 14:30	26-Mar-23 14:30
CN(T) [µg/g]	17-May-23	13:15	19-May-23	13:10	31	23
CN(Free) [µg/g]	18-May-23	20:11	23-May-23	09:18	< 0.05	< 0.05
CNWAD [µg/g]	17-May-23	13:15	19-May-23	13:10	< 10	< 10

Catharine Arnold

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Environment, Health & Safety

OnLine LIMS

0003343219

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Project : PO#1254179

03-May-2023

Date Rec. : 05 April 2023
LR Report: **CA19021-APR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					26-Mar-23 14:30	26-Mar-23 14:30
Ag [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	< 0.5	< 0.5
Al [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	52000	51000
As [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	10000	11000
Ba [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	560	560
Be [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	1.2	1.2
Bi [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	1.2	1.2
Ca [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	24000	25000
Cd [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	0.40	0.47
Co [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	12	13
Cr [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	78	86
Cu [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	73	85
Fe [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	110000	120000
K [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	14000	14000
Li [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	20	22
Mg [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	9800	10000

OnLine LIMS

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0003320303

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Project : PO#1254179

LR Report : **CA19021-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Mn [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	430	470
Mo [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	10	8.5
Ni [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	31	36
Pb [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	340	250
Sb [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	2.8	3.3
Se [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	1.0	1.2
Sn [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	< 6	< 6
Sr [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	220	220
Ti [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	1500	1600
Tl [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	0.43	0.46
U [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	1.17	1.13
V [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	54	60
Y [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	5.6	4.8
Zn [µg/g]	13-Apr-23	20:13	18-Apr-23	11:08	97	110

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

03-May-2023

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Date Rec. : 05 April 2023
LR Report: **CA19020-APR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					26-Mar-23 14:30	26-Mar-23 14:30
Paste pH [no unit]	24-Apr-23	09:06	28-Apr-23	17:14	8.60	8.59
Fizz Rate [rating]	24-Apr-23	09:06	28-Apr-23	17:14	3	3
Sample weight [g]	24-Apr-23	09:06	28-Apr-23	17:14	2.01	2.16
HCl_add [mL]	25-Apr-23	07:54	28-Apr-23	17:14	80.00	75.00
HCl [Normality]	24-Apr-23	09:06	28-Apr-23	17:14	0.10	0.10
NaOH [Normality]	24-Apr-23	09:06	28-Apr-23	17:14	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25-Apr-23	10:34	28-Apr-23	17:14	31.02	27.49
Final pH [no unit]	25-Apr-23	10:34	28-Apr-23	17:14	1.61	1.80
NP [t CaCO3/1000 t]	25-Apr-23	10:34	28-Apr-23	17:14	122	110
AP [t CaCO3/1000 t]	28-Apr-23	17:14	28-Apr-23	17:15	29.7	31.9
Net NP [t CaCO3/1000 t]	28-Apr-23	17:14	28-Apr-23	17:15	92.1	78.1
NP/AP [ratio]	28-Apr-23	t	28-Apr-23	17:15	4.10	3.45
S [%]	11-Apr-23	11:13	13-Apr-23	06:50	1.34	1.44
Acid Leachable SO4-S [%]	13-Apr-23	06:50	13-Apr-23	06:50	0.39	0.42
Sulphide [%]	12-Apr-23	11:27	13-Apr-23	06:50	0.95	1.02

OnLine LIMS

0003320263

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Project : PO#1254179

LR Report : **CA19020-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	11-Apr-23	11:13	13-Apr-23	06:50	1.39	1.38
CO3 (HCl) as %CO3 [%]	12-Apr-23	07:35	13-Apr-23	06:50	6.18	6.02

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003320263

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05-May-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

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Phone: (819) 759-3555, Fax:(819) 759-3663

Date Rec. : 20 April 2023
LR Report: **CA19120-APR23**
Reference: 1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					10-Apr-23 06:20	10-Apr-23 06:20
Ag [µg/g]	27-Apr-23	11:38	02-May-23	14:58	0.6	0.7
Al [µg/g]	27-Apr-23	11:38	02-May-23	14:58	59000	57000
As [µg/g]	27-Apr-23	11:38	02-May-23	14:58	6900	7100
Ba [µg/g]	27-Apr-23	11:38	02-May-23	14:58	480	500
Be [µg/g]	27-Apr-23	11:38	02-May-23	14:58	1.4	1.4
Bi [µg/g]	27-Apr-23	11:38	02-May-23	14:58	0.87	0.77
Ca [µg/g]	27-Apr-23	11:38	02-May-23	14:58	24000	24000
Cd [µg/g]	27-Apr-23	11:38	02-May-23	14:58	0.55	0.49
Co [µg/g]	27-Apr-23	11:38	02-May-23	14:58	16	14
Cr [µg/g]	27-Apr-23	11:38	02-May-23	14:58	63	53
Cu [µg/g]	27-Apr-23	11:38	02-May-23	14:58	93	84
Fe [µg/g]	27-Apr-23	11:38	02-May-23	14:58	100000	110000
K [µg/g]	27-Apr-23	11:38	02-May-23	14:58	14000	14000
Li [µg/g]	27-Apr-23	11:38	02-May-23	14:58	23	23
Mg [µg/g]	27-Apr-23	11:38	02-May-23	14:58	11000	10000
Mn [µg/g]	27-Apr-23	11:38	02-May-23	14:58	510	460
Mo [µg/g]	27-Apr-23	11:38	02-May-23	14:58	6.8	6.1
Ni [µg/g]	27-Apr-23	11:38	02-May-23	14:58	44	38
Pb [µg/g]	27-Apr-23	11:38	02-May-23	14:58	470	350
Sb [µg/g]	27-Apr-23	11:38	02-May-23	14:58	2.3	2.6
Se [µg/g]	27-Apr-23	11:38	02-May-23	14:58	1.2	1.0
Sn [µg/g]	27-Apr-23	11:38	02-May-23	14:58	< 6	< 6
Sr [µg/g]	27-Apr-23	11:38	02-May-23	14:58	210	220
Ti [µg/g]	27-Apr-23	11:38	02-May-23	14:58	1800	1600
Tl [µg/g]	27-Apr-23	11:38	02-May-23	14:58	0.47	0.46
U [µg/g]	27-Apr-23	11:38	02-May-23	14:58	1.4	1.4
V [µg/g]	27-Apr-23	11:38	02-May-23	14:58	110	100

OnLine LIMS

0003324236

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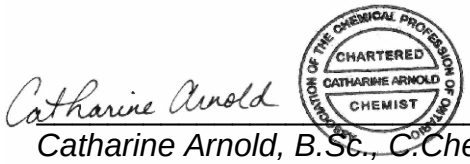
LR Report : **CA19120-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Y [µg/g]	27-Apr-23	11:38	02-May-23	14:58	6.9	6.6
Zn [µg/g]	27-Apr-23	11:38	02-May-23	14:58	120	97



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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OnLine LIMS

0003324236

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Project : PO#1254179

11-July-2023

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Date Rec. : 20 April 2023
LR Report: **CA19119-APR23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					10-Apr-23 06:20	10-Apr-23 06:20
Paste pH [no unit]	14-May-23	08:01	15-May-23	11:59	8.41	8.43
Fizz Rate [rating]	14-May-23	08:01	15-May-23	11:59	4	4
Sample weight [g]	14-May-23	08:01	15-May-23	11:59	2.00	2.00
HCl_add [mL]	15-May-23	06:26	15-May-23	11:59	60.00	60.00
HCl [Normality]	14-May-23	08:01	15-May-23	11:59	0.10	0.10
NaOH [Normality]	14-May-23	08:01	15-May-23	11:59	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-May-23	08:18	15-May-23	11:59	29.88	27.14
Final pH [no unit]	15-May-23	08:18	15-May-23	11:59	1.84	1.86
NP [t CaCO3/1000 t]	15-May-23	08:18	15-May-23	11:59	75.3	82.2
AP [t CaCO3/1000 t]	15-May-23	11:59	15-May-23	11:59	24.4	28.4
Net NP [t CaCO3/1000 t]	15-May-23	11:59	15-May-23	11:59	50.9	53.8
NP/AP [ratio]	15-May-23	11:59	15-May-23	11:59	3.09	2.89
S [%]	02-May-23	11:38	04-May-23	17:30	0.950	1.15
Acid Leachable SO4-S [%]	04-May-23	17:30	04-May-23	17:30	0.17	0.24
Sulphide [%]	04-May-23	14:41	04-May-23	17:30	0.78	0.91

OnLine LIMS

00033946 10

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Project : PO#1254179

LR Report : **CA19119-APR23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	02-May-23	11:38	04-May-23	13:47	1.29	1.36
CO3 (HCl) as %CO3 [%]	03-May-23	08:56	04-May-23	13:47	0.39	0.61
	21-Apr-23	---	21-Apr-23	---	1	1

ABA - Modified Sobek

*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
CATHARINE ARNOLD
CHEMIST

Catharine Arnold, B.Sc., C.Chem
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OnLine LIMS

0003394610

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Project : PO#1254179

07-July-2023

Date Rec. : 14 June 2023
LR Report: **CA19122-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					23-Apr-23	10-Apr-23
Ag [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	< 0.5	< 0.5
Al [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	44000	45000
As [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	5800	5900
Ba [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	480	460
Be [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	1.1	1.1
Bi [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	0.69	0.70
Ca [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	22000	22000
Cd [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	0.32	0.35
Co [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	10	9.7
Cr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	44	39
Cu [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	57	56
Fe [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	84000	81000
K [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	11000	11000
Li [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	19	19

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Project : PO#1254179

LR Report : **CA19122-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Mg [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	8100	8100
Mn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	360	360
Mo [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	6.0	5.4
Ni [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	25	27
Pb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	250	230
Sb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	2.1	2.1
Se [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	0.7	0.6
Sn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	< 6	< 6
Sr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	210	190
Ti [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	1400	1300
Tl [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	0.33	0.36
U [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	1.1	1.2
V [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	43	44
Y [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	5.7	5.9
Zn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:56	64	65

Catharine Arnold

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OnLine LIMS

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Project : PO#1254179

29-August-2023

Date Rec. : 14 June 2023
LR Report: **CA19121-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					23-Apr-23	10-Apr-23 to 23-Apr-23
Paste pH [no unit]	18-Jul-23	10:33	24-Jul-23	13:24	8.26	8.31
Fizz Rate [rating]	18-Jul-23	10:33	24-Jul-23	13:24	2	2
Sample weight [g]	18-Jul-23	10:33	24-Jul-23	13:24	2.12	2.10
HCl_add [mL]	19-Jul-23	10:03	24-Jul-23	13:24	70.00	65.00
HCl [Normality]	18-Jul-23	10:33	24-Jul-23	13:24	0.10	0.10
NaOH [Normality]	18-Jul-23	10:33	24-Jul-23	13:24	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Jul-23	10:03	24-Jul-23	13:24	35.64	31.07
Final pH [no unit]	19-Jul-23	10:03	24-Jul-23	13:24	1.56	1.68
NP [t CaCO3/1000 t]	19-Jul-23	10:03	24-Jul-23	13:24	81.0	80.8
AP [t CaCO3/1000 t]	11-Aug-23	09:34	11-Aug-23	09:34	20.6	20.0
Net NP [t CaCO3/1000 t]	11-Aug-23	09:34	11-Aug-23	09:34	60.4	60.8
NP/AP [ratio]	11-Aug-23	09:34	11-Aug-23	09:34	3.93	4.04
S [%]	08-Aug-23	10:05	11-Aug-23	09:34	1.15	1.04
Acid Leachable SO4-S [%]	11-Aug-23	09:34	11-Aug-23	09:34	0.49	0.40
Sulphide [%]	10-Aug-23	11:01	11-Aug-23	09:34	0.66	0.64

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Project : PO#1254179

LR Report : **CA19121-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	08-Aug-23	10:05	09-Aug-23	16:14	1.43	1.30
CO3 (HCl) as %CO3 [%]	09-Aug-23	08:34	09-Aug-23	16:14	6.75	6.03

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

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Project Specialist,
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Project : PO#1254179

07-June-2023

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Date Rec. : 11 May 2023
LR Report: **CA19096-MAY23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					7-May-23 8:20	7-May-23 8:20
CN(T) [µg/g]	31-May-23	12:37	01-Jun-23	15:59	28	24
CN(Free) [µg/g]	31-May-23	12:00	06-Jun-23	14:26	< 0.05	< 0.05
CNWAD [µg/g]	31-May-23	12:37	01-Jun-23	16:00	< 10	< 10
Ag [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	< 0.5	< 0.5
Al [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	55000	55000
As [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	9000	8400
Ba [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	450	470
Be [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	1.2	1.2
Bi [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	0.87	0.66
Ca [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	24000	25000
Cd [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	0.45	0.36
Co [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	13	12
Cr [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	44	53
Cu [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	74	69
Fe [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	94000	99000
K [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	13000	13000
Li [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	20	21
Mg [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	9600	9700
Mn [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	460	450
Mo [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	6.8	8.4
Ni [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	30	31
Pb [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	230	260
Sb [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	2.8	2.8
Se [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	0.6	0.6
Sn [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	< 6	< 6

OnLine LIMS

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Project : PO#1254179

LR Report : **CA19096-MAY23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sr [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	220	240
Ti [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	1500	1600
Tl [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	0.34	0.32
U [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	1.1	1.2
V [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	58	53
Y [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	6.8	6.8
Zn [µg/g]	01-Jun-23	16:40	07-Jun-23	13:17	110	95

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Project : PO#1254179

13-June-2023

Date Rec. : 11 May 2023
LR Report: **CA19095-MAY23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					7-May-23 8:20	7-May-23 8:20
Paste pH [no unit]	06-Jun-23	10:34	09-Jun-23	15:59	8.11	8.19
Fizz Rate [rating]	06-Jun-23	10:34	09-Jun-23	15:59	3	3
Sample weight [g]	06-Jun-23	10:34	09-Jun-23	15:59	2.02	2.18
HCl_add [mL]	07-Jun-23	08:27	09-Jun-23	15:59	65.00	70.00
HCl [Normality]	06-Jun-23	10:34	09-Jun-23	15:59	0.10	0.10
NaOH [Normality]	06-Jun-23	10:34	09-Jun-23	15:59	0.10	0.10
Vol NaOH to pH=8.3 [mL]	07-Jun-23	10:31	09-Jun-23	15:59	30.83	33.19
Final pH [no unit]	07-Jun-23	10:31	09-Jun-23	15:59	1.63	1.61
NP [t CaCO3/1000 t]	07-Jun-23	10:31	09-Jun-23	15:59	84.6	84.4
AP [t CaCO3/1000 t]	09-Jun-23	15:59	09-Jun-23	15:59	1.25	1.25
Net NP [t CaCO3/1000 t]	09-Jun-23	15:59	09-Jun-23	15:59	83.4	83.1
NP/AP [ratio]	09-Jun-23	15:59	09-Jun-23	15:59	67.7	67.4
S [%]	20-May-23	12:21	23-May-23	16:55	1.26	1.30
Acid Leachable SO4-S [%]	23-May-23	16:55	23-May-23	16:55	0.18	0.17
Sulphide [%]	23-May-23	15:26	23-May-23	16:55	1.08	1.13

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Project : PO#1254179

LR Report : **CA19095-MAY23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	20-May-23	12:21	23-May-23	16:54	1.31	1.31
CO3 (HCl) as %CO3 [%]	23-May-23	11:19	23-May-23	16:54	0.62	0.56

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

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OnLine LIMS

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Project : PO#1254179

28-June-2023

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Date Rec. : 31 May 2023
LR Report: **CA19197-MAY23**
Reference: PO#1254179

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - Composite
Sample Date & Time					21-May-23 07:30	21-May-23 07:30
CN(T) [µg/g]	26-Jun-23	12:00	27-Jun-23	15:10	14	14
CN(Free) [µg/g]	23-Jun-23	17:00	26-Jun-23	16:03	< 0.05	< 0.05
CNWAD [µg/g]	26-Jun-23	12:00	27-Jun-23	15:10	< 10	< 10
Ag [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	< 0.5	< 0.5
Al [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	52000	51000
As [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	6000	6700
Ba [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	560	530
Be [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	1.1	1.1
Bi [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	0.64	0.73
Ca [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	23000	24000
Cd [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	0.24	0.28
Co [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	12	12
Cr [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	79	73
Cu [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	54	69
Fe [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	99000	100000
K [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	14000	14000
Li [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	19	19
Mg [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	10000	9900
Mn [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	370	380
Mo [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	6.1	6.8
Ni [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	33	32
Pb [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	160	240
Sb [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	1.7	1.9
Se [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	0.6	0.8
Sn [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	< 6	< 6
Sr [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	260	250

OnLine LIMS

0003381321

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P.O. Box 4300 - 185 Concession St.
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mel

Project : PO#1254179

LR Report : **CA19197-MAY23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - Composite
Ti [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	1800	1700
Tl [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	0.35	0.34
U [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	1.2	1.2
V [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	55	52
Y [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	6.1	6.1
Zn [µg/g]	07-Jun-23	22:31	09-Jun-23	16:11	70	71

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003381321

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mbk

Project : PO#1254179

14-July-2023

Agnico Eagle Mines Limited
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Date Rec. : 31 May 2023
LR Report: **CA19196-MAY23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - Composite
Sample Date & Time					21-May-23 07:30	21-May-23 07:30
Paste pH [no unit]	08-Jun-23	09:37	12-Jun-23	16:04	8.44	8.35
Fizz Rate [rating]	08-Jun-23	09:37	12-Jun-23	16:04	3	2
Sample weight [g]	08-Jun-23	09:37	12-Jun-23	16:04	2.03	2.03
HCl_add [mL]	09-Jun-23	07:22	12-Jun-23	16:04	55.00	50.00
HCl [Normality]	08-Jun-23	09:37	12-Jun-23	16:04	0.10	0.10
NaOH [Normality]	08-Jun-23	09:37	12-Jun-23	16:04	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Jun-23	10:34	12-Jun-23	16:04	24.41	23.89
Final pH [no unit]	09-Jun-23	10:34	12-Jun-23	16:04	1.65	1.81
NP [t CaCO3/1000 t]	09-Jun-23	10:34	12-Jun-23	16:04	75.4	64.3
AP [t CaCO3/1000 t]	11-Jul-23	12:52	12-Jul-23	14:26	20.0	30.9
Net NP [t CaCO3/1000 t]	11-Jul-23	12:52	12-Jul-23	14:26	55.4	33.4
NP/AP [ratio]	11-Jul-23	12:52	12-Jul-23	14:26	3.8	2.1
S [%]	07-Jul-23	13:42	12-Jul-23	14:26	1.08	1.23
Acid Leachable SO4-S [%]	11-Jul-23	12:52	12-Jul-23	14:26	0.44	0.24
Sulphide [%]	11-Jul-23	12:52	12-Jul-23	14:26	0.64	0.99

OnLine LIMS

0003400593

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mbk

Project : PO#1254179

LR Report : **CA19196-MAY23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - Composite
C [%]	07-Jul-23	13:42	12-Jul-23	14:26	1.21	1.23
CO3 (HCl) as %CO3 [%]	07-Jul-23	08:42	12-Jul-23	14:26	5.50	5.65

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003400593

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Agnico Eagle Mines Limited
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mel

Project : PO#1254179

08-August-2023

Date Rec. : 12 June 2023
LR Report: **CA19092-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid Composite
Sample Date & Time					04-Jun-23	04-Jun-23
Paste pH [no unit]	16-Jul-23	08:00	18-Jul-23	12:48	8.43	8.36
Fizz Rate [rating]	16-Jul-23	08:00	18-Jul-23	12:48	4	4
Sample weight [g]	16-Jul-23	08:00	18-Jul-23	12:48	2.04	2.01
HCl_add [mL]	17-Jul-23	08:32	18-Jul-23	12:48	60.00	60.00
HCl [Normality]	16-Jul-23	08:00	18-Jul-23	12:48	0.10	0.10
NaOH [Normality]	16-Jul-23	08:00	18-Jul-23	12:48	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Jul-23	08:32	18-Jul-23	12:48	22.33	28.48
Final pH [no unit]	17-Jul-23	08:32	18-Jul-23	12:48	1.80	1.66
NP [t CaCO3/1000 t]	17-Jul-23	08:32	18-Jul-23	12:48	92.3	78.4
AP [t CaCO3/1000 t]	08-Aug-23	09:43	08-Aug-23	09:43	24.1	25.9
Net NP [t CaCO3/1000 t]	08-Aug-23	09:43	08-Aug-23	09:43	68.2	52.5
NP/AP [ratio]	08-Aug-23	09:43	08-Aug-23	09:43	3.84	3.02
S [%]	31-Jul-23	09:59	08-Aug-23	09:43	1.33	1.17
Acid Leachable SO4-S [%]	08-Aug-23	09:43	08-Aug-23	09:43	0.56	0.34
Sulphide [%]	31-Jul-23	11:36	08-Aug-23	09:43	0.77	0.83

OnLine LIMS

0003426027

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Project : PO#1254179

LR Report : **CA19092-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid Composite
C [%]	31-Jul-23	09:59	01-Aug-23	15:26	0.311	0.286
CO3 (HCl) as %CO3 [%]	31-Jul-23	08:49	01-Aug-23	15:26	0.76	1.14

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

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Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

31-July-2023

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Attn : Randy Schwandt/Brett Fairbairn

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Phone: (819) 759-3555
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Date Rec. : 12 June 2023
LR Report: **CA19093-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					04-Jun-23	04-Jun-23
CN(T) [µg/g]	07-Jul-23	10:57	07-Jul-23	14:46	13	18
CN(Free) [µg/g]	05-Jul-23	09:30	05-Jul-23	16:09	< 0.05	< 0.05
CNWAD [µg/g]	07-Jul-23	10:57	07-Jul-23	14:46	< 10	< 10
Ag [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	< 0.5	< 0.5
Al [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	54000	54000
As [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	5500	6300
Ba [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	500	570
Be [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	1.2	1.2
Bi [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	0.60	0.55
Ca [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	27000	26000
Cd [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	0.19	0.32
Co [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	11	10
Cr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	87	89
Cu [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	63	63
Fe [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	98000	100000
K [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	13000	14000
Li [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	23	22
Mg [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	9400	9400
Mn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	420	390
Mo [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	6.8	6.4
Ni [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	28	27
Pb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	170	210
Sb [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	2.0	2.0
Se [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	0.6	0.6
Sn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	< 6	< 6
Sr [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	260	260
Ti [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	1500	1600

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0003417757

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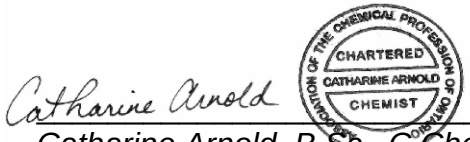
Project : PO#1254179

LR Report : **CA19093-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Tl [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	0.34	0.37
U [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	1.0	1.1
V [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	50	49
Y [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	6.2	6.3
Zn [µg/g]	06-Jul-23	06:48	07-Jul-23	09:52	62	76



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

31-July-2023

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Date Rec. : 29 June 2023
LR Report: **CA19180-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - solid	6: Tailings - solid - composite
Sample Date & Time					18-Jun-23 08:45	18-Jun-23
CN(T) [µg/g]	20-Jul-23	12:36	24-Jul-23	10:08	16	14
CN(Free) [µg/g]	20-Jul-23	08:23	20-Jul-23	14:56	< 0.05	< 0.05
CNWAD [µg/g]	20-Jul-23	12:36	24-Jul-23	10:09	< 10	< 10
Ag [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	< 0.5	< 0.5
Al [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	65000	62000
As [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	5500	5500
Ba [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	500	500
Be [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	1.3	1.3
Bi [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	0.68	0.68
Ca [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	21000	20000
Cd [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	0.21	0.21
Co [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	10	11
Cr [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	43	53
Cu [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	57	63
Fe [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	79000	81000
K [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	13000	13000
Li [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	21	23
Mg [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	9000	9200
Mn [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	390	400
Mo [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	8.9	8.7
Ni [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	25	26
Pb [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	240	210
Sb [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	1.9	1.8
Se [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	0.7	0.6
Sn [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	< 6	< 6
Sr [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	270	260
Ti [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	1700	1600

OnLine LIMS

0003417493

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Project : PO#1254179

LR Report : **CA19180-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - solid	6: Tailings - solid - composite
Tl [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	0.38	0.39
U [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	1.3	1.4
V [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	45	47
Y [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	6.1	7.0
Zn [µg/g]	27-Jul-23	04:22	28-Jul-23	13:18	58	58

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel

Project : PO#1254179

29-August-2023

Date Rec. : 29 June 2023
LR Report: **CA19179-JUN23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - composite
Sample Date & Time					18-Jun-23 08:45	18-Jun-23
Paste pH [no unit]	31-Jul-23	08:09	02-Aug-23	11:14	8.54	9.17
Fizz Rate [rating]	31-Jul-23	08:09	02-Aug-23	11:14	2	2
Sample weight [g]	31-Jul-23	08:09	02-Aug-23	11:14	2.14	2.20
HCl_add [mL]	01-Aug-23	08:28	02-Aug-23	11:14	55.00	55.00
HCl [Normality]	31-Jul-23	08:09	02-Aug-23	11:14	0.10	0.10
NaOH [Normality]	31-Jul-23	08:09	02-Aug-23	11:14	0.10	0.10
Vol NaOH to pH=8.3 [mL]	01-Aug-23	08:28	02-Aug-23	11:14	23.89	23.10
Final pH [no unit]	01-Aug-23	08:28	02-Aug-23	11:14	1.69	1.76
NP [t CaCO3/1000 t]	01-Aug-23	08:28	02-Aug-23	11:14	72.7	72.5
AP [t CaCO3/1000 t]	22-Aug-23	11:07	23-Aug-23	16:59	28.4	32.8
Net NP [t CaCO3/1000 t]	22-Aug-23	11:07	23-Aug-23	16:59	44.3	39.7
NP/AP [ratio]	22-Aug-23	11:07	23-Aug-23	16:59	2.56	2.21
S [%]	22-Aug-23	11:07	23-Aug-23	16:48	1.07	1.20
Acid Leachable SO4-S [%]	23-Aug-23	12:47	23-Aug-23	16:48	0.16	0.15
Sulphide [%]	23-Aug-23	12:47	23-Aug-23	16:48	0.91	1.05

OnLine LIMS

0003448858

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

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Project : PO#1254179

LR Report : **CA19179-JUN23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - composite
C [%]	22-Aug-23	11:07	23-Aug-23	13:54	1.16	1.16
CO3 (HCl) as %CO3 [%]	23-Aug-23	10:22	23-Aug-23	13:54	5.45	5.40

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
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Project : PO#1254179

29-August-2023

Date Rec. : 07 July 2023
LR Report: **CA19035-JUL23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid- DUP	7: Tailings - Solid- Composite
Sample Date & Time					2-Jul-23	2-Jul-23	2-Jul-23
Paste pH [no unit]	01-Aug-23	08:28	15-Aug-23	10:16	8.22	8.18	8.24
Fizz Rate [rating]	01-Aug-23	08:28	15-Aug-23	10:16	4	4	4
Sample weight [g]	01-Aug-23	08:28	15-Aug-23	10:16	2.06	2.00	2.02
HCl_add [mL]	02-Aug-23	08:16	15-Aug-23	10:16	75.00	70.00	75.00
HCl [Normality]	01-Aug-23	08:28	15-Aug-23	10:16	0.10	0.10	0.10
NaOH [Normality]	01-Aug-23	08:28	15-Aug-23	10:16	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	02-Aug-23	10:34	15-Aug-23	10:16	37.43	30.65	40.75
Final pH [no unit]	02-Aug-23	10:34	15-Aug-23	10:16	1.80	1.89	1.60
NP [t CaCO3/1000 t]	02-Aug-23	10:34	15-Aug-23	10:16	91.2	98.4	84.8
AP [t CaCO3/1000 t]	22-Aug-23	11:07	24-Aug-23	10:55	51.2	53.1	38.8
Net NP [t CaCO3/1000 t]	22-Aug-23	11:07	24-Aug-23	10:55	40.0	45.3	46.0
NP/AP [ratio]	22-Aug-23	11:07	24-Aug-23	10:55	1.78	1.85	2.19
S [%]	22-Aug-23	11:07	23-Aug-23	16:49	2.00	2.01	1.52
Acid Leachable SO4-S [%]	23-Aug-23	12:47	23-Aug-23	16:49	0.36	0.31	0.28
Sulphide [%]	23-Aug-23	12:47	23-Aug-23	16:49	1.64	1.70	1.24

OnLine LIMS

0003448951

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Project : PO#1254179

LR Report : **CA19035-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid- DUP	7: Tailings - Solid- Composite
C [%]	22-Aug-23	11:07	23-Aug-23	13:53	1.32	1.32	1.27
CO3 (HCl) as %CO3 [%]	23-Aug-23	10:22	23-Aug-23	13:53	6.18	6.17	5.91

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

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OnLine LIMS

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Project : PO#1254179

31-July-2023

Agnico Eagle Mines Limited
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X0C 0A0, Canada

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Date Rec. : 07 July 2023
LR Report: **CA19036-JUL23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid- DUP	7: Tailings - Solid- Composite
Sample Date & Time					2-Jul-23	2-Jul-23	2-Jul-23
CN(T) [µg/g]	11-Jul-23	09:51	13-Jul-23	08:52	21	20	19
CN(Free) [µg/g]	10-Jul-23	11-Jul-23	11-Jul-23	11:54	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	11-Jul-23	09:51	13-Jul-23	08:53	< 10	< 10	< 10
Ag [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	< 0.5	< 0.5	< 0.5
Al [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	58000	58000	62000
As [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	6500	6600	5700
Ba [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	520	470	560
Be [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	1.2	1.2	1.2
Bi [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	0.91	0.87	0.91
Ca [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	25000	25000	24000
Cd [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	0.42	0.40	0.33
Co [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	11	11	11
Cr [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	39	39	40
Cu [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	76	74	70
Fe [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	110000	110000	98000
K [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	12000	12000	14000
Li [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	33	31	31
Mg [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	10000	10000	10000
Mn [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	470	460	420
Mo [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	15	15	15
Ni [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	27	26	29
Pb [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	270	270	390
Sb [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	2.0	1.9	1.9
Se [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	1.5	1.5	1.1
Sn [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	< 6	< 6	< 6
Sr [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	280	280	290
Ti [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	1700	1600	1800

OnLine LIMS

0003417936

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Project : PO#1254179

LR Report : **CA19036-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid- DUP	7: Tailings - Solid- Composite
Tl [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	0.34	0.34	0.39
U [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	1.20	1.18	1.34
V [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	49	49	51
Y [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	6.3	6.1	6.2
Zn [µg/g]	25-Jul-23	01:08	26-Jul-23	10:47	110	110	81

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

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Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Project : PO#1254179

29-August-2023

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Date Rec. : 31 July 2023
LR Report: **CA19200-JUL23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					16-Jul-23 15:15	16-Jul-23
CN(T) [µg/g]	22-Aug-23	13:24	28-Aug-23	11:29	22	17
CN(T) [%]	22-Aug-23	13:24	28-Aug-23	11:28	0.002	0.002
CN(Free) [µg/g]	22-Aug-23	09:40	23-Aug-23	10:17	< 0.05	< 0.05
CNWAD [µg/g]	22-Aug-23	13:24	28-Aug-23	11:29	< 10	< 10
CNWAD [%]	22-Aug-23	13:24	28-Aug-23	11:29	< 0.001	< 0.001
Ag [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	0.6	< 0.5
Al [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	54000	53000
As [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	10000	8300
Ba [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	600	520
Be [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	1.3	1.2
Bi [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	0.97	0.80
Ca [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	24000	24000
Cd [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	0.44	0.40
Co [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	10	9.6
Cr [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	83	58
Cu [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	68	67
Fe [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	110000	110000
K [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	14000	13000
Li [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	19	18
Mg [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	9800	9400
Mn [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	410	410
Mo [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	11	9.3
Ni [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	27	25
Pb [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	420	290
Sb [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	3.1	2.6
Se [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	1.0	0.9
Sn [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	< 6	< 6

OnLine LIMS

0003448982

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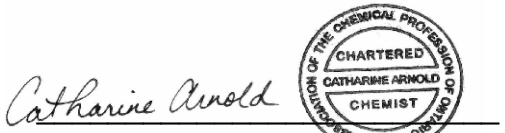
Project : PO#1254179

LR Report : **CA19200-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sr [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	240	230
Ti [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	1700	1500
Tl [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	0.38	0.38
U [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	1.30	1.17
V [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	49	46
Y [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	6.03	5.96
Zn [µg/g]	23-Aug-23	11:35	24-Aug-23	18:14	86	86



Catharine Arnold, B.Sc., C.Chem
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OnLine LIMS

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Project : PO#1254179

21-September-2023

Date Rec. : 31 July 2023
LR Report: **CA19199-JUL23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					16-Jul-23 15:15	16-Jul-23
Paste pH [no unit]	08-Aug-23	09:03	09-Aug-23	16:58	8.27	8.26
Fizz Rate [rating]	08-Aug-23	09:03	09-Aug-23	16:58	2	2
Sample weight [g]	08-Aug-23	09:03	09-Aug-23	16:58	2.09	2.00
HCl_add [mL]	09-Aug-23	07:12	09-Aug-23	16:58	65.00	70.00
HCl [Normality]	08-Aug-23	09:03	09-Aug-23	16:58	0.10	0.10
NaOH [Normality]	08-Aug-23	09:03	09-Aug-23	16:58	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Aug-23	09:10	09-Aug-23	16:58	31.67	39.23
Final pH [no unit]	09-Aug-23	09:10	09-Aug-23	16:58	1.60	1.70
NP [t CaCO3/1000 t]	09-Aug-23	09:10	09-Aug-23	16:58	79.7	76.9
AP [t CaCO3/1000 t]	15-Sep-23	14:43	15-Sep-23	14:43	47.8	48.8
Net NP [t CaCO3/1000 t]	15-Sep-23	14:43	15-Sep-23	14:43	31.9	28.2
NP/AP [ratio]	15-Sep-23	14:43	15-Sep-23	14:43	1.67	1.58
S [%]	16:02	16:02	15-Sep-23	14:43	1.58	1.55
Acid Leachable SO4-S [%]	15-Sep-23	14:43	15-Sep-23	14:43	0.05	< 0.04
Sulphide [%]	15-Sep-23	12:41	15-Sep-23	14:43	1.53	1.56

OnLine LIMS

0003474361

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Project : PO#1254179

LR Report : **CA19199-JUL23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	16:02	16:02	15-Sep-23	14:43	1.34	1.30
CO3 (HCl) as %CO3 [%]	20-Sep-23	14:20	20-Sep-23	14:31	0.44	0.58

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

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OnLine LIMS

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mel Works #: TAILINGS-SOLID
Project : PO#1254179

05-October-2023

Date Rec. : 16 August 2023
LR Report: **CA19059-AUG23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					30-Jul-23 8:00	30-Jul-23
Paste pH [no unit]	06-Sep-23	08:20	07-Sep-23	16:51	8.33	8.25
Fizz Rate [rating]	06-Sep-23	08:20	07-Sep-23	16:51	2	2
Sample weight [g]	06-Sep-23	08:20	07-Sep-23	16:51	2.10	2.02
HCl_add [mL]	07-Sep-23	06:11	07-Sep-23	16:51	55.00	60.00
HCl [Normality]	06-Sep-23	08:20	07-Sep-23	16:51	0.10	0.10
NaOH [Normality]	06-Sep-23	08:20	07-Sep-23	16:51	0.10	0.10
Vol NaOH to pH=8.3 [mL]	07-Sep-23	08:27	07-Sep-23	16:51	23.98	25.58
Final pH [no unit]	07-Sep-23	08:27	07-Sep-23	16:51	1.79	1.80
NP [t CaCO3/1000 t]	07-Sep-23	08:27	07-Sep-23	16:51	73.8	85.2
AP [t CaCO3/1000 t]	02-Oct-23	16:39	02-Oct-23	16:39	25.9	33.4
Net NP [t CaCO3/1000 t]	02-Oct-23	16:39	02-Oct-23	16:39	47.9	51.8
NP/AP [ratio]	02-Oct-23	16:39	02-Oct-23	16:39	2.85	2.55
S [%]	02-Oct-23	11:37	02-Oct-23	16:39	0.917	1.30
Acid Leachable SO4-S [%]	02-Oct-23	16:38	02-Oct-23	16:39	0.09	0.23
Sulphide [%]	02-Oct-23	16:17	02-Oct-23	16:39	0.83	1.07

OnLine LIMS

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0003490048

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19059-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	02-Oct-23	11:37	02-Oct-23	16:39	1.18	1.37
CO3 (HCl) as %CO3 [%]	02-Oct-23	13:50	02-Oct-23	16:39	0.66	0.82

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

13-September-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 16 August 2023
LR Report: **CA19060-AUG23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					30-Jul-23 8:00	30-Jul-23
CN(T) [µg/g]	22-Aug-23	13:24	25-Aug-23	10:05	21	36
CN(T) [%]	22-Aug-23	13:24	25-Aug-23	10:05	0.002	0.004
CN(Free) [µg/g]	07-Sep-23	08:32	07-Sep-23	14:32	< 0.05	< 0.05
CNWAD [µg/g]	22-Aug-23	13:24	25-Aug-23	10:05	< 10	11
CNWAD [%]	22-Aug-23	13:24	25-Aug-23	10:05	< 0.001	0.001
Ag [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	0.7	0.6
Al [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	68000	64000
As [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	6600	9600
Ba [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	480	410
Be [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	1.1	1.1
Bi [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	0.67	0.90
Ca [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	24000	26000
Cd [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	0.56	0.68
Co [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	17	17
Cr [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	99	106
Cu [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	80	91
Fe [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	98000	93000
K [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	16000	16000
Li [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	22	20
Mg [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	12000	12000
Mn [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	500	530
Mo [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	6.3	7.1
Ni [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	50	45
Pb [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	330	440
Sb [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	2.0	3.0
Se [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	0.8	1.0

OnLine LIMS

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19060-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sn [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	< 6	< 6
Sr [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	220	210
Ti [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	2300	2000
Tl [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	0.45	0.48
U [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	1.38	1.29
V [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	79	76
Y [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	7.6	7.4
Zn [µg/g]	02-Sep-23	17:39	07-Sep-23	16:46	140	160

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

05-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 18 August 2023
LR Report: **CA19229-AUG23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					13-Aug-23 9:30	13-Aug-23 9:30
Paste pH [no unit]	14-Sep-23	08:45	18-Sep-23	15:10	8.60	10.14
Fizz Rate [rating]	14-Sep-23	08:45	18-Sep-23	15:10	2	3
Sample weight [g]	14-Sep-23	08:45	18-Sep-23	15:10	2.01	2.00
HCl_add [mL]	15-Sep-23	06:35	18-Sep-23	15:10	60.00	55.00
HCl [Normality]	14-Sep-23	08:45	18-Sep-23	15:10	0.10	0.10
NaOH [Normality]	14-Sep-23	08:45	18-Sep-23	15:10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Sep-23	08:05	18-Sep-23	15:10	24.91	20.48
Final pH [no unit]	15-Sep-23	08:05	18-Sep-23	15:10	1.57	1.65
NP [t CaCO3/1000 t]	15-Sep-23	08:05	18-Sep-23	15:10	87.3	86.3
AP [t CaCO3/1000 t]	02-Oct-23	16:44	02-Oct-23	16:44	23.1	38.1
Net NP [t CaCO3/1000 t]	02-Oct-23	16:44	02-Oct-23	16:44	64.2	48.2
NP/AP [ratio]	02-Oct-23	16:44	02-Oct-23	16:44	3.78	2.26
S [%]	02-Oct-23	11:37	02-Oct-23	16:44	0.913	1.47
Acid Leachable SO4-S [%]	02-Oct-23	16:44	02-Oct-23	16:44	0.17	0.25
Sulphide [%]	02-Oct-23	16:17	02-Oct-23	16:44	0.74	1.22

OnLine LIMS

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0003490006

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19229-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
C [%]	02-Oct-23	11:37	02-Oct-23	16:44	1.34	1.34
CO3 (HCl) as %CO3 [%]	02-Oct-23	13:50	02-Oct-23	16:44	0.22	0.46

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

02-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
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Phone: (819) 759-3555
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Date Rec. : 18 August 2023
LR Report: **CA19230-AUG23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					08/13/2023 9:30	08/13/2023 9:30
CN(T) [µg/g]	22-Aug-23	13:24	25-Aug-23	10:06	29	30
CN(T) [%]	22-Aug-23	13:24	25-Aug-23	10:06	0.003	0.003
CN(Free) [µg/g]	08-Sep-23	07:57	08-Sep-23	12:43	< 0.05	< 0.05
CNWAD [µg/g]	22-Aug-23	13:24	01-Sep-23	17:06	< 10	< 10
CNWAD [%]	22-Aug-23	13:24	01-Sep-23	17:06	< 0.001	< 0.001
Ag [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	< 0.5	0.5
Al [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	63000	55000
As [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	5300	11000
Ba [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	520	500
Be [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	1.2	1.1
Bi [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.55	0.70
Ca [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	27000	26000
Cd [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.48	0.58
Co [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	14	13
Cr [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	85	87
Cu [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	76	77
Fe [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	90000	100000
K [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	14000	14000
Li [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	23	20

OnLine LIMS

0003486525

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19230-AUG23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Mg [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	11000	11000
Mn [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	470	480
Mo [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	6.4	6.2
Ni [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	37	36
Pb [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	170	340
Sb [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	1.9	3.5
Se [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.7	0.8
Sn [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	< 6	< 6
Sr [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	240	200
Ti [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	1900	1700
Tl [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	0.37	0.38
U [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	1.80	1.21
V [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	70	67
Y [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	6.6	6.4
Zn [µg/g]	28-Sep-23	12:43	02-Oct-23	10:37	130	150

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003486525

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SGS Canada Inc.
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Agnico Eagle Mines Limited
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mel Works #: TAILINGS-SOLID
Project : PO#1254179

16-October-2023

Date Rec. : 11 September 2023
LR Report: **CA19062-SEP23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					27-Aug-23 13:00	27-Aug-23
Paste pH [no unit]	19-Sep-23	09:08	21-Sep-23	10:26	8.56	8.55
Fizz Rate [rating]	19-Sep-23	09:08	21-Sep-23	10:26	3	3
Sample weight [g]	19-Sep-23	09:08	21-Sep-23	10:26	2.10	2.11
HCl_add [mL]	20-Sep-23	06:52	21-Sep-23	10:26	58.50	63.60
HCl [Normality]	19-Sep-23	09:08	21-Sep-23	10:26	0.10	0.10
NaOH [Normality]	19-Sep-23	09:08	21-Sep-23	10:26	0.10	0.10
Vol NaOH to pH=8.3 [mL]	20-Sep-23	08:00	21-Sep-23	10:26	25.31	28.63
Final pH [no unit]	20-Sep-23	08:00	21-Sep-23	10:26	1.56	1.52
NP [t CaCO3/1000 t]	20-Sep-23	08:00	21-Sep-23	10:26	79.0	82.9
AP [t CaCO3/1000 t]	12-Oct-23	17:54	12-Oct-23	17:55	29.1	27.8
Net NP [t CaCO3/1000 t]	12-Oct-23	17:54	12-Oct-23	17:55	49.9	55.1
NP/AP [ratio]	12-Oct-23	17:54	12-Oct-23	17:55	2.72	2.98
S [%]	12-Oct-23	10:01	12-Oct-23	17:54	0.985	0.988
Acid Leachable SO4-S [%]	12-Oct-23	17:54	12-Oct-23	17:54	0.06	0.10
Sulphide [%]	12-Oct-23	16:29	12-Oct-23	17:54	0.93	0.89
C [%]	12-Oct-23	10:01	12-Oct-23	17:54	1.34	1.40

OnLine LIMS

0003501224

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19062-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
CO3 (HCl) as %CO3 [%]	13-Oct-23	09:29	13-Oct-23	16:10	6.27	6.61

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003501224

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Works #: TAILINGS SOLID
Project : PO#1254179

02-October-2023

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 11 September 2023
LR Report: **CA19063-SEP23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					27-Aug-23 13:00	27-Aug-23
CN(T) [µg/g]	28-Sep-23	13:09	02-Oct-23	08:28	20	20
CN(Free) [µg/g]	29-Sep-23	11:24	29-Sep-23	14:41	< 0.05	< 0.05
CNWAD [µg/g]	28-Sep-23	13:09	02-Oct-23	08:29	10	< 10
Ag [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	< 0.5	< 0.5
Al [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	61000	64000
As [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	5600	6700
Ba [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	860	580
Be [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	1.6	1.4
Bi [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	0.73	0.82
Ca [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	27000	28000
Cd [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	0.40	0.42
Co [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	14	16
Cr [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	84	120
Cu [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	74	78
Fe [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	96000	90000
K [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	15000	15000
Li [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	22	24
Mg [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	10000	11000
Mn [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	440	490
Mo [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	7.6	8.8
Ni [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	36	40
Pb [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	380	220
Sb [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	2.0	2.2
Se [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	0.8	0.8
Sn [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	< 6	< 6
Sr [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	310	270
Ti [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	2000	2200

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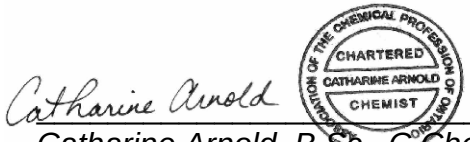
Works #: TAILINGS SOLID
Project : PO#1254179
LR Report : **CA19063-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Tl [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	0.44	0.42
U [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	1.6	1.3
V [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	77	81
Y [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	7.1	8.2
Zn [µg/g]	23-Sep-23	02:32	25-Sep-23	17:29	90	110



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
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OnLine LIMS

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mel Works #: TAILINGS-SOLID
Project : PO#1254179

20-November-2023

Date Rec. : 04 October 2023
LR Report: **CA19007-OCT23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					10-Sep-23 14:30	10-Sep-23
CN(T) [µg/g]	02-Nov-23	07:28	07-Nov-23	08:13	17	12
CN(Free) [µg/g]	02-Nov-23	12:40	02-Nov-23	16:10	< 0.05	< 0.05
CNWAD [µg/g]	02-Nov-23	12:00	07-Nov-23	08:13	< 10	< 10
Ag [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	< 0.5	< 0.5
Al [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	58000	56000
As [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	6100	5200
Ba [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	560	520
Be [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	1.3	1.2
Bi [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	0.62	0.51
Ca [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	25000	24000
Cd [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	0.30	0.28
Co [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	11	13
Cr [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	59	60
Cu [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	72	63
Fe [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	93000	90000
K [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	14000	14000

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19007-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Li [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	20	20
Mg [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	10000	10000
Mn [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	430	410
Mo [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	6.2	4.4
Ni [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	34	32
Pb [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	240	180
Sb [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	2.0	1.7
Se [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	0.7	0.7
Sn [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	< 6	< 6
Sr [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	240	220
Ti [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	1800	1800
Tl [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	0.37	0.35
U [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	1.0	0.95
V [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	63	62
Y [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	5.1	4.5
Zn [µg/g]	02-Nov-23	21:21	09-Nov-23	11:47	83	66

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST — ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel Works #: TAILINGS-SOLID
Project : PO#1254179

20-November-2023

Date Rec. : 04 October 2023
LR Report: **CA19006-OCT23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					10-Sep-23 14:30	10-Sep-23
Paste pH [no unit]	08-Nov-23	15:51	10-Nov-23	09:24	8.21	8.27
Fizz Rate [rating]	08-Nov-23	08:25	10-Nov-23	09:24	3	3
Sample weight [g]	07-Nov-23	10:41	10-Nov-23	09:24	2.01	2.00
HCl_add [mL]	09-Nov-23	08:25	10-Nov-23	09:24	58.90	60.00
HCl [Normality]	08-Nov-23	09:37	10-Nov-23	09:24	0.10	0.10
NaOH [Normality]	08-Nov-23	09:37	10-Nov-23	09:24	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Nov-23	12:09	10-Nov-23	09:24	25.78	27.01
Final pH [no unit]	09-Nov-23	09:31	10-Nov-23	09:24	1.59	1.53
NP [t CaCO3/1000 t]	09-Nov-23	12:09	10-Nov-23	09:24	82.4	82.5
AP [t CaCO3/1000 t]	31-Oct-23	10:02	10-Nov-23	09:24	28.4	25.6
Net NP [t CaCO3/1000 t]	31-Oct-23	10:02	10-Nov-23	09:24	54.0	56.9
NP/AP [ratio]	31-Oct-23	10:02	10-Nov-23	09:24	2.90	3.22
S [%]	31-Oct-23	10:02	31-Oct-23	14:07	1.10	0.987
Acid Leachable SO4-S [%]	31-Oct-23	14:06	31-Oct-23	14:07	0.19	0.17
Sulphide [%]	31-Oct-23	12:00	31-Oct-23	14:07	0.91	0.82
C [%]	31-Oct-23	10:02	31-Oct-23	14:07	1.32	1.33

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0003538598

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19006-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
CO3 (HCl) as %CO3 [%]	01-Nov-23	08:07	01-Nov-23	10:01	6.15	4.52

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

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Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel Works #: TAILINGS-SOLID
Project : PO#1254179

07-November-2023

Date Rec. : 28 September 2023
LR Report: **CA19261-SEP23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					21-Sep-23 10:45	21-Sep-23
Paste pH [no unit]	11-Oct-23	05:20	13-Oct-23	16:15	8.43	8.41
Fizz Rate [rating]	11-Oct-23	05:20	13-Oct-23	16:15	3	3
Sample weight [g]	11-Oct-23	05:20	13-Oct-23	16:15	2.09	2.08
HCl_add [mL]	13-Oct-23	10:35	13-Oct-23	16:15	38.00	39.30
HCl [Normality]	12-Oct-23	11:15	13-Oct-23	16:15	0.10	0.10
NaOH [Normality]	12-Oct-23	11:15	13-Oct-23	16:15	0.10	0.10
Vol NaOH to pH=8.3 [mL]	13-Oct-23	11:58	13-Oct-23	16:15	12.29	13.20
Final pH [no unit]	13-Oct-23	11:20	13-Oct-23	16:15	1.92	1.87
NP [t CaCO3/1000 t]	13-Oct-23	15:57	13-Oct-23	16:15	61.5	62.8
AP [t CaCO3/1000 t]	07-Nov-23	13:35	07-Nov-23	13:35	23.8	28.8
Net NP [t CaCO3/1000 t]	07-Nov-23	13:35	07-Nov-23	13:35	37.8	34.0
NP/AP [ratio]	07-Nov-23	13:35	07-Nov-23	13:35	2.59	2.18
S [%]	02-Nov-23	12:23	07-Nov-23	13:35	0.993	1.15
Acid Leachable SO4-S [%]	07-Nov-23	13:27	07-Nov-23	13:35	0.23	0.23
Sulphide [%]	02-Nov-23	09:52	07-Nov-23	13:35	0.76	0.92
C [%]	02-Nov-23	12:23	06-Nov-23	09:15	1.20	1.19

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0003525148

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19261-SEP23**

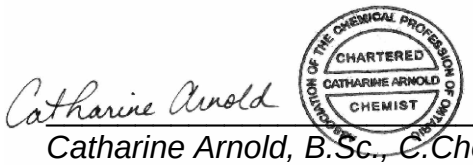
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
CO3 (HCl) as %CO3 [%]	03-Nov-23	06:47	06-Nov-23	09:15	5.51	5.48

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.



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Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: TAILINGS-SOLID
Project : PO#1254179

07-November-2023

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Date Rec. : 28 September 2023
LR Report: **CA19262-SEP23**
Reference: PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					21-Sep-23 10:45	21-Sep-23
CN(T) [µg/g]	12-Oct-23	09:08	23-Oct-23	09:35	24	24
CN(T) [%]	12-Oct-23	09:08	23-Oct-23	09:35	0.002	0.002
CN(Free) [µg/g]	12-Oct-23	11:55	13-Oct-23	08:44	0.06	0.05
CNWAD [µg/g]	12-Oct-23	09:08	16-Oct-23	09:20	< 10	10
CNWAD [%]	12-Oct-23	09:08	16-Oct-23	09:20	< 0.001	0.001
Ag [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	< 0.5	< 0.5
Al [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	53000	56000
As [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	7300	9500
Ba [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	460	530
Be [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	1.2	1.3
Bi [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	0.50	0.63
Ca [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	22000	22000
Cd [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	0.25	0.29
Co [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	10	11
Cr [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	47	50
Cu [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	59	64
Fe [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	88000	85000
K [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	13000	14000
Li [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	21	21
Mg [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	8700	9100
Mn [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	370	370
Mo [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	4.6	5.7
Ni [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	25	28
Pb [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	300	380
Sb [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	2.7	3.3
Se [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	0.6	0.7
Sn [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	< 6	< 6
Sr [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	240	240

OnLine LIMS

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0003525143

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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19262-SEP23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Ti [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	1700	1700
Tl [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	0.32	0.35
U [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	0.9	1.1
V [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	49	52
Y [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	3.7	4.2
Zn [µg/g]	03-Nov-23	20:06	07-Nov-23	12:38	57	65

Catharine Arnold

CHARTERED CHEMIST CATHARINE ARNOLD — THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
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Meliadine
, Nunavut
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Phone: (819) 759-3555
Fax:(819) 759-3663

mel Works #: TAILINGS-SOLID
Project : PO#1254179

13-December-2023

Date Rec. : 23 October 2023
LR Report: **CA19232-OCT23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					09-Oct-23 07:30	25-Sep-23
Paste pH [no unit]	04-Dec-23	09:34	06-Dec-23	14:55	8.30	8.28
Fizz Rate [rating]	02-Dec-23	09:13	06-Dec-23	14:55	3	3
Sample weight [g]	02-Dec-23	08:21	06-Dec-23	14:55	1.99	2.00
HCl_add [mL]	05-Dec-23	07:51	06-Dec-23	14:55	78.10	45.00
HCl [Normality]	04-Dec-23	09:31	06-Dec-23	14:55	0.10	0.10
NaOH [Normality]	04-Dec-23	09:31	06-Dec-23	14:55	0.10	0.10
Vol NaOH to pH=8.3 [mL]	05-Dec-23	08:20	06-Dec-23	14:55	44.04	37.43
Final pH [no unit]	05-Dec-23	09:32	06-Dec-23	14:55	1.50	1.80
NP [t CaCO3/1000 t]	05-Dec-23	08:20	06-Dec-23	14:55	85.6	18.9
AP [t CaCO3/1000 t]	06-Dec-23	14:55	06-Dec-23	14:55	36.6	33.4
Net NP [t CaCO3/1000 t]	06-Dec-23	14:55	06-Dec-23	14:55	49.0	-14.54
NP/AP [ratio]	06-Dec-23	14:55	06-Dec-23	14:55	2.34	0.57
S [%]	24-Nov-23	09:52	27-Nov-23	11:04	1.31	1.21
Acid Leachable SO4-S [%]	27-Nov-23	11:04	27-Nov-23	11:04	0.14	0.14
Sulphide [%]	27-Nov-23	12:53	27-Nov-23	11:04	1.17	1.07
C [%]	24-Nov-23	09:52	27-Nov-23	08:42	1.37	1.38

OnLine LIMS

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19232-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
CO3 (HCl) as %CO3 [%]	27-Nov-23	08:22	27-Nov-23	08:42	6.40	6.40

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003562464

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Works #: TAILINGS-SOLID
Project : PO#1254179

04-January-2024

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, Nunavut
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Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 23 October 2023
LR Report: **CA19233-OCT23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					09-Oct-23 07:30	25-Sep-23
Cyanide (total) [µg/g]	08-Dec-23	09:05	12-Dec-23	16:06	18	21
Free Cyanide [µg/g]	07-Dec-23	09:14	07-Dec-23	15:16	< 0.05	< 0.05
Cyanide (WAD) [µg/g]	08-Dec-23	09:05	12-Dec-23	16:07	< 10	< 10
Silver [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	< 0.5	< 0.5
Aluminum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	68000	65000
Arsenic [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	8100	7600
Barium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	560	530
Beryllium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	1.3	1.3
Bismuth [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	0.74	0.65
Calcium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	29000	28000
Cadmium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	0.33	0.36
Cobalt [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	12	12
Chromium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	60	61
Copper [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	67	78
Iron [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	110000	110000
Potassium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	15000	14000
Lithium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	20	20
Magnesium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	11000	11000
Manganese [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	500	450
Molybdenum [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	9.1	6.7
Nickel [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	33	30
Lead [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	230	280
Antimony [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	2.7	2.6
Selenium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	0.8	0.8
Tin [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	< 6	< 6
Strontium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	240	230
Titanium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	1800	1600
Thallium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	0.42	0.41
Uranium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	1.3	1.6

OnLine LIMS

0003581428

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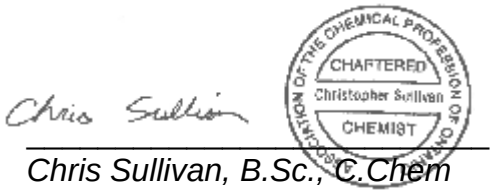
mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19233-OCT23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Vanadium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	66	55
Yttrium [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	6.0	6.0
Zinc [µg/g]	04-Jan-24	13:37	04-Jan-24	11:53	77	83

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Cyanide by SFA	ME-CA-[ENV]SFA-LAK-AN-005	SM 4500
Cyanide by SFA	ME-CA-[ENV]SFA-LAK-AN-005	SM4500
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8



Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19233-OCT23**

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
**QCR_SubCategory* - QCBatchID: EMS0005-JAN24*														
Calcium	3	µg/g	<3			1		109			104			
Potassium	3	µg/g	<3			3		93			101			
Cyanide by SFA - QCBatchID: SKA5017-DEC23														
Free Cyanide	0.05	µg/g	<0.05			ND	20	96	80	120	95	75	125	
Metals - Microwave/ICP-MS - QCBatchID: EMS0005-JAN24														
Aluminum	3	µg/g	<3			3	20	108	70	130	112	70	130	
Antimony	0.8	µg/g	<0.8			0	20	109	70	130	119	70	130	
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	97	70	130	
Barium	0.01	µg/g	<0.01			3	20	94	70	130	105	70	130	
Beryllium	0.02	µg/g	<0.02			8	20	105	70	130	103	70	130	
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130	
Cadmium	0.02	µg/g	<0.02			8	20	101	70	130	NV	70	130	
Chromium	0.5	µg/g	<0.5			1	20	105	70	130	NV	70	130	
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130	
Copper	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130	
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130	
Lead	0.05	µg/g	<0.05			7	20	102	70	130	112	70	130	
Lithium	2	µg/g	<2			3	20	90	70	130	117	70	130	
Magnesium	3	µg/g	<3			2	20	103	70	130	106	70	130	
Manganese	0.1	µg/g	<0.1			3	20	101	70	130	107	70	130	
Molybdenum	0.1	µg/g	<0.1			5	20	96	70	130	93	70	130	
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	111	70	130	
Selenium	0.1	µg/g	<0.1			13	20	100	70	130	NV	70	130	
Silver	0.5	µg/g	<0.01			19	20	106	70	130	NV	70	130	
Strontium	0.02	µg/g	<0.02			2	20	92	70	130	98	70	130	
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130	
Tin	6	µg/g	<6			ND	20	107	70	130	NV	70	130	
Titanium	0.1	µg/g	<0.1			2	20	106	70	130	81	70	130	
Uranium	0.002	µg/g	<0.002			4	20	99	70	130	98	70	130	
Vanadium	1	µg/g	<1			1	20	107	70	130	102	70	130	
Yttrium	0.004	µg/g	<0.004			2	20	92	70	130	NV	70	130	
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	99	70	130	

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

22-December-2023

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Date Rec. : 28 November 2023
LR Report: **CA19230-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid DUP	7: Tailings - Solid-Composite
Sample Date & Time					22-Oct-23 08:30	22-Oct-23 08:30	22-Oct-23
CN(T) [µg/g]	20-Dec-23	14:34	21-Dec-23	16:04	20	25	15
CN(Free) [µg/g]	21-Dec-23	11:28	22-Dec-23	08:42	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	20-Dec-23	14:34	21-Dec-23	16:05	< 10	< 10	< 10
Ag [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	0.5	0.5	< 0.5
Al [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	50000	48000	53000
As [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	7800	7900	8000
Ba [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	460	460	560
Be [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	1.1	1.1	1.1
Bi [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	1.3	1.4	0.82
Ca [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	25000	26000	25000
Cd [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	0.50	0.46	0.35
Co [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	16	15	13
Cr [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	114	104	98
Cu [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	86	87	84
Fe [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	82000	82000	110000
K [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	15000	15000	15000
Li [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	18	17	18
Mg [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	10000	10000	10000
Mn [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	480	500	440
Mo [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	7.5	7.5	12
Ni [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	36	36	32
Pb [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	300	300	350
Sb [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	1.8	1.8	2.0
Se [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	0.8	0.9	0.8
Sn [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	< 6	< 6	< 6
Sr [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	180	180	230
Ti [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	1400	1400	1500
Tl [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	0.44	0.45	0.41
U [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	0.98	0.85	1.22

OnLine LIMS
0003572738

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19230-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid DUP	7: Tailings - Solid-Composite
V [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	69	73	59
Y [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	5.92	5.41	5.82
Zn [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	130	130	94

Catharine Arnold

CHARTERED CHEMIST — CATHARINE ARNOLD — THE CHEMICAL PROFESSION OF ONTARIO

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID
Project : PO#1254179

05-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 28 November 2023
LR Report: **CA19229-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid DUP	7: Tailings - Solid-Composite
Paste pH [no unit]	20-Dec-23	19:45	05-Jan-24	11:26	8.71	8.78	8.38
Fizz Rate [rating]	20-Dec-23	16:51	05-Jan-24	11:26	3	3	3
Sample weight [g]	20-Dec-23	17:04	05-Jan-24	11:26	2.02	2.10	1.93
HCl Added [mL]	21-Dec-23	15:12	05-Jan-24	11:26	60.30	63.30	57.60
HCl [Normality]	20-Dec-23	15:32	05-Jan-24	11:26	0.10	0.10	0.10
NaOH [Normality]	20-Dec-23	15:32	05-Jan-24	11:26	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	21-Dec-23	16:00	05-Jan-24	11:26	26.33	27.76	28.76
Final pH [no unit]	21-Dec-23	16:00	05-Jan-24	11:26	1.61	1.62	1.56
NP [t CaCO3/1000 t]	21-Dec-23	16:00	05-Jan-24	11:26	84.1	84.6	74.7
AP [t CaCO3/1000 t]	21-Dec-23	16:00	05-Jan-24	11:26	28.1	26.6	41.2
Net NP [t CaCO3/1000 t]	21-Dec-23	16:00	05-Jan-24	11:26	56.0	58.0	33.4
NP/AP [ratio]	21-Dec-23	16:00	05-Jan-24	11:26	2.99	3.18	1.81
Sulphur (total) [%]	07-Dec-23	11:57	08-Dec-23	09:41	1.11	1.07	1.57
Acid Leachable SO4-S [%]	08-Dec-23	07:26	08-Dec-23	09:41	0.21	0.22	0.25
Sulphide [%]	08-Dec-23	06:53	08-Dec-23	09:41	0.90	0.85	1.32
Carbon (total) [%]	07-Dec-23	11:57	08-Dec-23	09:41	1.47	1.47	1.32
Carbonate (HCl) as %CO3 [%]	08-Dec-23	08:50	08-Dec-23	09:41	6.69	6.76	5.96

ABA - Modified Sobek

*NP (Neutralization Potential)
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

                        Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19229-NOV23**

Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019	ASTM E1915-07A
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020	ASTM E1915-07A
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005	ARD Predicition Manual, 2009

Chris Sullivan

Chris Sullivan, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19229-NOV23**

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Carbon/Sulphur - QCBatchID: ECS0018-DEC23													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0019-DEC23													
Carbon (total)	0.005	%	<0.005			1	20				100	70	130
Sulphur (total)	0.005	%	<0.005			3	20				102	70	130
Carbon/Sulphur - QCBatchID: ECS0020-DEC23													
Sulphide	0.04	%	< 0.01			9	20	94	80	120			

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Agnico Eagle Mines Limited
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mel Works #: TAILINGS-SOLID
Project : PO#1254179

05-February-2024

Date Rec. : 22 January 2024
LR Report: **CA19159-JAN24**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite	7: Tailings -Solid DUP
Sample Date & Time					05-Nov-23	05-Nov-23	05-Nov-23
Paste pH [no unit]	31-Jan-24	13:37	02-Feb-24	12:28	8.29	8.29	8.30
Fizz Rate [rating]	31-Jan-24	08:51	02-Feb-24	12:28	4	4	4
Sample weight [g]	30-Jan-24	13:41	02-Feb-24	12:28	1.99	2.01	2.00
HCl_add [mL]	01-Feb-24	10:09	02-Feb-24	12:28	55.10	55.80	50.00
HCl [Normality]	31-Jan-24	10:00	02-Feb-24	12:28	0.10	0.10	0.10
NaOH [Normality]	31-Jan-24	10:00	02-Feb-24	12:28	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	01-Feb-24	10:09	02-Feb-24	12:28	22.68	22.49	17.61
Final pH [no unit]	01-Feb-24	10:09	02-Feb-24	12:28	1.69	1.70	1.76
NP [t CaCO3/1000 t]	01-Feb-24	10:09	02-Feb-24	12:28	81.4	82.9	81.0
AP [t CaCO3/1000 t]	02-Feb-24	12:28	02-Feb-24	12:29	35.0	48.8	36.6
Net NP [t CaCO3/1000 t]	02-Feb-24	12:28	02-Feb-24	12:29	46.4	34.2	44.4
NP/AP [ratio]	02-Feb-24	12:28	02-Feb-24	12:29	2.33	1.70	2.22
S [%]	25-Jan-24	16:29	30-Jan-24	16:41	1.33	1.67	1.32
Acid Leachable SO4-S [%]	30-Jan-24	08:45	30-Jan-24	16:41	0.21	0.11	0.15
Sulphide [%]	25-Jan-24	17:02	30-Jan-24	16:41	1.12	1.56	1.17

OnLine LIMS

0003610919

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19159-JAN24**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite	7: Tailings -Solid DUP
C [%]	25-Jan-24	16:29	29-Jan-24	10:55	1.37	1.41	1.37
CO3 (HCl) as %CO3 [%]	26-Jan-24	13:56	29-Jan-24	10:55	6.43	6.42	6.45

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: TAILINGS-SOLID
Project : PO#1254179

01-February-2024

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Date Rec. : 22 January 2024
LR Report: **CA19160-JAN24**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite	7: Tailings -Solid DUP
Sample Date & Time					05-Nov-23	05-Nov-23	05-Nov-23
CN(T) [µg/g]	30-Jan-24	09:42	31-Jan-24	17:27	21	23	19
CN(Free) [µg/g]	29-Jan-24	08:13	30-Jan-24	08:47	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	30-Jan-24	09:42	31-Jan-24	17:27	< 10	< 10	< 10
Ag [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	< 0.5	< 0.5	< 0.5
Al [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	53000	55000	55000
As [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	6400	8300	6600
Ba [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	470	500	490
Be [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	1.2	1.3	1.2
Bi [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	0.55	0.85	0.60
Ca [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	29000	29000	30000
Cd [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	0.32	0.39	0.34
Co [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	11	13	11
Cr [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	50	77	45
Cu [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	72	80	72
Fe [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	99000	110000	100000
K [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	13000	14000	14000
Li [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	21	22	21
Mg [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	9400	11000	9800
Mn [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	420	440	440
Mo [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	6.3	11	6.3
Ni [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	25	32	26
Pb [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	180	220	190
Sb [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	2.1	2.9	2.1
Se [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	0.7	1.0	0.7
Sn [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	< 6	< 6	< 6
Sr [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	260	250	260
Ti [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	1800	1800	1800
Tl [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	0.35	0.41	0.37
U [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	0.96	1.04	0.94
V [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	54	62	54

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19160-JAN24**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite	7: Tailings -Solid DUP
Y [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	5.4	5.3	4.7
Zn [µg/g]	26-Jan-24	14:50	30-Jan-24	12:07	76	100	80

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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mel Works #: TAILINGS-SOLID
Project : PO#1254179

27-December-2023

Date Rec. : 28 November 2023
LR Report: **CA19233-NOV23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid-Composite	7: Tailings - Solid-Dup
Sample Date & Time					19-Nov-23	19-Nov-23	19-Nov-23
Paste pH [no unit]	20-Dec-23	19:45	22-Dec-23	13:52	8.54	8.44	8.51
Fizz Rate [rating]	20-Dec-23	16:51	22-Dec-23	13:52	3	3	3
Sample weight [g]	20-Dec-23	17:04	22-Dec-23	13:52	1.95	2.09	1.95
HCl_add [mL]	21-Dec-23	15:12	22-Dec-23	13:52	53.40	59.50	56.00
HCl [Normality]	20-Dec-23	15:32	22-Dec-23	13:52	0.10	0.10	0.10
NaOH [Normality]	20-Dec-23	15:32	22-Dec-23	13:52	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-23	16:00	22-Dec-23	13:52	24.66	27.49	26.14
Final pH [no unit]	21-Dec-23	16:00	22-Dec-23	13:52	1.67	1.70	1.63
NP [t CaCO3/1000 t]	21-Dec-23	16:00	22-Dec-23	13:52	73.7	76.6	76.6
AP [t CaCO3/1000 t]	21-Dec-23	16:00	22-Dec-23	13:53	31.9	38.1	32.5
Net NP [t CaCO3/1000 t]	21-Dec-23	16:00	22-Dec-23	13:53	41.8	38.5	44.1
NP/AP [ratio]	21-Dec-23	16:00	22-Dec-23	13:53	2.31	2.01	2.36
S [%]	18-Dec-23	10:46	19-Dec-23	09:42	1.13	1.40	1.17
Acid Leachable SO4-S [%]	19-Dec-23	09:29	19-Dec-23	09:42	0.11	0.18	0.13
Sulphide [%]	19-Dec-23	09:19	19-Dec-23	09:42	1.02	1.22	1.04
C [%]	18-Dec-23	10:46	19-Dec-23	09:42	1.31	1.35	1.30

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19233-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid-Composite	7: Tailings - Solid-Dup
CO3 (HCl) as %CO3 [%]	19-Dec-23	09:11	19-Dec-23	09:42	6.18	6.25	6.13

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

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Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: TAILINGS-SOLID
Project : PO#1254179

20-December-2023

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Date Rec. : 28 November 2023
LR Report: **CA19234-NOV23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid-Composite	7: Tailings - Solid-Dup
Sample Date & Time					19-Nov-23	19-Nov-23	19-Nov-23
CN(T) [µg/g]	05-Dec-23	11:08	07-Dec-23	15:23	30	15	23
CN(Free) [µg/g]	04-Dec-23	09:05	04-Dec-23	15:17	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	05-Dec-23	11:08	07-Dec-23	15:22	< 10	< 10	< 10
Ag [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	< 0.5	< 0.5	< 0.5
Al [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	57000	56000	59000
As [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	8000	7500	8200
Ba [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	490	630	500
Be [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	1.2	1.3	1.2
Bi [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	0.81	0.82	0.75
Ca [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	24000	25000	24000
Cd [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	0.32	0.34	0.30
Co [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	13	13	14
Cr [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	79	78	65
Cu [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	72	73	71
Fe [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	90000	100000	91000
K [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	15000	15000	16000
Li [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	19	19	20
Mg [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	11000	11000	11000
Mn [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	410	430	420
Mo [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	8.8	12	9.4
Ni [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	35	34	37
Pb [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	240	430	250
Sb [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	2.1	1.9	2.1
Se [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	0.8	1.0	0.8
Sn [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	< 6	< 6	< 6
Sr [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	220	260	230
Ti [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	1700	1700	1800
Tl [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	0.39	0.39	0.40
U [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	1.13	1.30	1.26

OnLine LIMS

00035936367

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19234-NOV23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid-Composite	7: Tailings - Solid-Dup
V [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	62	65	63
Y [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	4.86	6.02	5.36
Zn [µg/g]	13-Dec-23	14:00	19-Dec-23	16:31	90	86	93

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00035936 7

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

08-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 07 December 2023
LR Report: **CA19076-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid dup	7: Tailings - Solid - Composite
Sample Date & Time					03-Dec-23	03-Dec-23	03-Dec-23
Paste pH [no unit]	21-Dec-23	13:17	21-Dec-23	16:13	8.40	8.32	9.02
Fizz Rate [rating]	19-Dec-23	15:31	21-Dec-23	16:13	3	3	3
Sample weight [g]	19-Dec-23	12:42	21-Dec-23	16:13	2.02	2.04	2.00
HCl_add [mL]	20-Dec-23	16:13	21-Dec-23	16:13	55.10	57.10	55.10
HCl [Normality]	19-Dec-23	15:50	21-Dec-23	16:13	0.10	0.10	0.10
NaOH [Normality]	19-Dec-23	15:50	21-Dec-23	16:13	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-23	14:06	21-Dec-23	16:13	32.82	26.79	20.76
Final pH [no unit]	20-Dec-23	16:13	21-Dec-23	16:13	1.54	1.52	1.57
NP [t CaCO3/1000 t]	21-Dec-23	14:06	21-Dec-23	16:13	55.2	74.3	85.8
AP [t CaCO3/1000 t]	08-Jan-24	13:50	08-Jan-24	13:50	28.4	30.6	37.2
Net NP [t CaCO3/1000 t]	08-Jan-24	13:50	08-Jan-24	13:50	26.8	43.7	48.6
NP/AP [ratio]	08-Jan-24	13:50	08-Jan-24	13:50	1.94	2.43	2.31
S [%]	04-Jan-24	09:07	08-Jan-24	13:50	1.12	1.10	1.42
Acid Leachable SO4-S [%]	08-Jan-24	13:50	08-Jan-24	13:50	0.21	0.12	0.23

OnLine LIMS

0003584838

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19076-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid dup	7: Tailings - Solid - Composite
Sulphide [%]	05-Jan-24	08:54	08-Jan-24	13:50	0.91	0.98	1.19
C [%]	04-Jan-24	09:07	08-Jan-24	13:50	1.27	1.29	1.52
CO3 (HCl) as %CO3 [%]	05-Jan-24	13:34	08-Jan-24	13:50	5.99	6.12	6.83

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

CHARTERED CATHARINE ARNOLD CHEMIST

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0003584838

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

10-January-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 07 December 2023
LR Report: **CA19077-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid dup	7: Tailings - Solid - Composite
Sample Date & Time					03-Dec-23	03-Dec-23	03-Dec-23
CN(T) [µg/g]	15-Dec-23	12:46	19-Dec-23	15:15	23	23	21
CN(Free) [µg/g]	18-Dec-23	08:53	18-Dec-23	15:04	< 0.05	< 0.05	< 0.05
CN(F) prep [Prep]	18-Dec-23	08:53	18-Dec-23	15:04	45275	45275	45275
CNWAD [µg/g]	15-Dec-23	12:46	22-Dec-23	11:46	< 10	< 10	< 10
Ag [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	< 0.5	< 0.5	< 0.5
Al [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	64000	67000	61000
As [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	6100	6400	8800
Ba [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	570	610	530
Be [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	1.3	1.3	1.3
Bi [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	0.69	0.67	0.89
Ca [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	23000	23000	25000
Cd [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	0.26	0.25	0.48
Co [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	11	12	15
Cr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	53	44	56
Cu [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	63	66	82
Fe [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	81000	83000	87000
K [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	14000	14000	14000
Li [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	21	21	20
Mg [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	9600	9600	11000
Mn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	390	400	470
Mo [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	9.8	9.9	10.0
Ni [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	29	30	38
Pb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	250	270	270
Sb [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	1.9	2.0	2.6
Se [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	0.8	0.8	1.1
Sn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	< 6	< 6	< 6
Sr [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	270	270	230
Ti [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	1800	1800	1700
Tl [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	0.37	0.40	0.46
U [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	1.2	1.2	1.2

OnLine LIMS

0003587102

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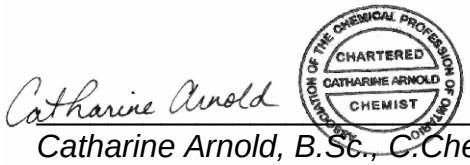
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19077-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid dup	7: Tailings - Solid - Composite
V [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	51	52	63
Y [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	5.9	6.1	6.8
Zn [µg/g]	05-Jan-24	14:29	08-Jan-24	16:36	76	77	130



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine,
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mel Works #: TAILINGS-SOLID
Project : PO#1254179

11-January-2024

Date Rec. : 22 December 2023
LR Report: **CA19133-DEC23**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - solid	6: Tailings - solid - DUP	7: Tailings - solid - composite
Sample Date & Time					17-Dec-23 8:30	17-Dec-23 8:30	17-Dec-23
Paste pH [no unit]	08-Jan-24	16:15	10-Jan-24	11:15	8.39	8.40	8.35
Fizz Rate [rating]	08-Jan-24	16:15	10-Jan-24	11:15	3	3	3
Sample weight [g]	08-Jan-24	16:15	10-Jan-24	11:15	2.03	2.01	2.02
HCl_add [mL]	09-Jan-24	14:15	10-Jan-24	11:15	59.90	62.70	59.90
HCl [Normality]	08-Jan-24	16:15	10-Jan-24	11:15	0.10	0.10	0.10
NaOH [Normality]	08-Jan-24	16:15	10-Jan-24	11:15	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Jan-24	16:17	10-Jan-24	11:15	25.80	28.48	25.35
Final pH [no unit]	09-Jan-24	16:17	10-Jan-24	11:15	1.83	1.71	1.87
NP [t CaCO3/1000 t]	10-Jan-24	08:22	10-Jan-24	11:15	84.0	85.1	85.5
AP [t CaCO3/1000 t]	11-Jan-24	09:23	11-Jan-24	09:23	31.6	31.6	36.6
Net NP [t CaCO3/1000 t]	11-Jan-24	09:23	11-Jan-24	09:23	52.4	53.5	48.9
NP/AP [ratio]	11-Jan-24	09:23	11-Jan-24	09:23	2.66	2.70	2.34
S [%]	11-Jan-24	06:22	11-Jan-24	09:23	1.14	1.17	1.25
Acid Leachable SO4-S [%]	11-Jan-24	09:23	11-Jan-24	09:23	0.13	0.16	0.08
Sulphide [%]	10-Jan-24	11:28	11-Jan-24	09:23	1.01	1.01	1.17
C [%]	11-Jan-24	06:22	11-Jan-24	09:18	1.42	1.42	1.46

OnLine LIMS

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000035878

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19133-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - solid	6: Tailings - solid - DUP	7: Tailings - solid - composite
CO3 (HCl) as %CO3 [%]	11-Jan-24	08:53	11-Jan-24	09:18	6.53	6.57	6.73

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0000587858

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Works #: TAILINGS-SOLID
Project : PO#1254179

10-January-2024

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Date Rec. : 22 December 2023
LR Report: **CA19134-DEC23**
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - solid	6: Tailings - solid - DUP	7: Tailings - solid - composite
Sample Date & Time					17-Dec-23 8:30	17-Dec-23 8:30	17-Dec-23
CN(T) [µg/g]	03-Jan-24	11:32	08-Jan-24	15:14	21	25	20
CN(Free) [µg/g]	04-Jan-24	12:00	05-Jan-24	12:58	< 0.05	< 0.05	< 0.05
CNWAD [%]	03-Jan-24	11:32	04-Jan-24	14:13	< 0.001	< 0.001	< 0.001
CNWAD [µg/g]	03-Jan-24	11:32	04-Jan-24	14:17	< 10	< 10	< 10
Ag [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	< 0.5	< 0.5	< 0.5
Al [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	58000	59000	57000
As [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	5800	5900	6300
Ba [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	520	520	500
Be [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	1.3	1.2	1.1
Bi [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	0.66	0.66	0.74
Ca [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	24000	25000	24000
Cd [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	0.21	0.19	0.29
Co [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	11	12	12
Cr [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	113	81	90
Cu [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	60	59	65
Fe [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	77000	77000	78000
K [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	13000	13000	13000
Li [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	20	20	20
Mg [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	8800	8800	8800
Mn [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	400	410	410
Mo [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	5.9	6.2	7.1
Ni [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	28	29	31
Pb [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	230	220	230
Sb [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	1.9	1.8	1.9
Se [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	0.8	0.7	0.8
Sn [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	< 6	< 6	< 6
Sr [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	220	230	220
Ti [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	1700	1700	1600
Tl [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	0.40	0.40	0.42
U [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	1.12	1.11	1.11

OnLine LIMS

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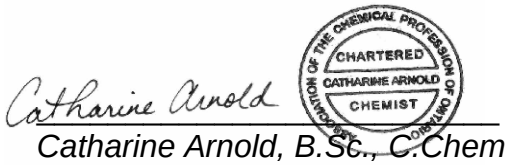
mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19134-DEC23**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - solid	6: Tailings - solid - DUP	7: Tailings - solid - composite
V [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	52	51	54
Y [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	5.94	7.02	6.11
Zn [µg/g]	08-Jan-24	11:24	08-Jan-24	16:29	75	73	95



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Works #: TAILINGS-SOLID
Project : PO#1254179

24-January-2024

Agnico Eagle Mines Limited
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Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
Fax:(819) 759-3663

Date Rec. : 08 January 2024
LR Report: **CA19101-JAN24**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					31-Dec-23, 14:00	31-Dec-23
CN(T) [µg/g]	17-Jan-24	11:45	19-Jan-24	09:57	21	26
CN(T) [%]	17-Jan-24	11:45	19-Jan-24	09:57	0.002	0.003
CN(Free) [µg/g]	17-Jan-24	19:48	19-Jan-24	09:25	< 0.05	< 0.05
CNWAD [µg/g]	17-Jan-24	11:45	19-Jan-24	09:56	< 10	< 10
CNWAD [%]	17-Jan-24	11:45	19-Jan-24	09:56	< 0.001	< 0.001
Ag [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	< 0.5	< 0.5
Al [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	56000	55000
As [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	9900	9600
Ba [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	410	410
Be [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	1.2	1.2
Bi [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	1.1	1.00
Ca [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	25000	25000
Cd [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	0.60	0.60
Co [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	15	15
Cr [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	51	55
Cu [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	97	95
Fe [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	95000	96000
K [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	14000	14000
Li [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	22	22
Mg [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	10000	10000
Mn [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	450	450
Mo [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	16	17
Ni [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	32	32
Pb [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	370	380
Sb [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	3.1	3.0
Se [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	1.3	1.3
Sn [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	< 6	< 6

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00035698697

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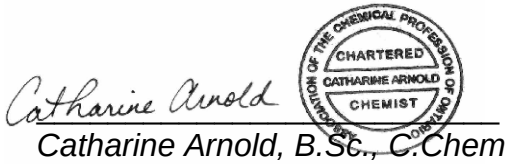
mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19101-JAN24**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sr [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	240	240
Ti [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	1600	1600
Tl [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	0.41	0.42
U [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	1.2	1.2
V [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	59	59
Y [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	6.0	5.9
Zn [µg/g]	23-Jan-24	15:34	23-Jan-24	16:24	190	170



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

00035989

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mel Works #: TAILINGS-SOLID
Project : PO#1254179

19-January-2024

Date Rec. : 08 January 2024
LR Report: **CA19100-JAN24**
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - composite
Sample Date & Time					31-Dec-23 14:00	31-Dec-23
Paste pH [no unit]	12-Jan-24	15:51	16-Jan-24	12:29	8.39	8.34
Fizz Rate [rating]	12-Jan-24	08:16	16-Jan-24	12:29	3	3
Sample weight [g]	12-Jan-24	07:25	16-Jan-24	12:29	2.04	2.05
HCl_add [mL]	15-Jan-24	09:41	16-Jan-24	12:29	80.25	51.10
HCl [Normality]	14-Jan-24	10:29	16-Jan-24	12:29	0.10	0.10
NaOH [Normality]	14-Jan-24	10:29	16-Jan-24	12:29	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Jan-24	06:07	16-Jan-24	12:29	46.43	17.05
Final pH [no unit]	15-Jan-24	11:03	16-Jan-24	12:29	1.52	1.74
NP [t CaCO3/1000 t]	16-Jan-24	06:07	16-Jan-24	12:29	82.9	83.0
AP [t CaCO3/1000 t]	18-Jan-24	10:15	18-Jan-24	10:15	47.8	53.8
Net NP [t CaCO3/1000 t]	18-Jan-24	10:15	18-Jan-24	10:15	35.1	29.2
NP/AP [ratio]	18-Jan-24	10:15	18-Jan-24	10:15	1.73	1.54
S [%]	17-Jan-24	15:49	18-Jan-24	10:15	1.89	1.95
Acid Leachable SO4-S [%]	18-Jan-24	10:15	18-Jan-24	10:15	0.36	0.23
Sulphide [%]	17-Jan-24	17:14	18-Jan-24	10:15	1.53	1.72
C [%]	17-Jan-24	15:49	18-Jan-24	10:15	1.44	1.41

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Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : **CA19100-JAN24**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - composite
CO3 (HCl) as %CO3 [%]	18-Jan-24	12:21	18-Jan-24	12:55	6.37	6.25

ABA - Modified Sobek

*NP (Neutralization Potential)

$$= \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}$$

*AP (Acid Potential) = % Sulphide Sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Catharine Arnold

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