

**APPENDIX 9 2024 METAL LEACHING AND ACID ROCK DRAINAGE
MONITORING REPORT**



AGNICO EAGLE

MELIADINE GOLD MINE

2024 Metal Leaching and Acid Rock Drainage Monitoring Report

In Accordance with NIRB Project Certificate No. 006

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SECTION 1 • INTRODUCTION

Agnico Eagle Mines Ltd. operates the Meliadine Gold Mine located approximately 25 kilometers 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 October 25, 2024 and approved by the Minister of Northern Affairs on November 22, 2024 (NWB, 2024).

In accordance with Term and Conditions (T&C) 22, 23, and 31 of the NIRB Project Certificate, Agnico Eagle has developed a waste rock and quarry monitoring plan to characterize the metal leaching and acid rock drainage (ML/ARD) potential of excavated materials on-site.

As per Schedule B, Item 9 of the Licence, this report provides the ML/ARD characterization results of all samples collected in 2024 for geochemical analysis, including waste rock from the underground and open pit development areas, and filtered tailings from the Process Plant.

1.1. Background

The Mine is situated in an Archaean Greenstone belt with the gold being hosted within mafic and ultramafic igneous rocks, iron formations, and fine-grained sedimentary rocks (siltstones and mudstones). Six separate mineralized zones will be mined by open pit, with the Tiriganiaq deposit also mined by underground methods. The current mine plan has mining completed by 2032. The completed mine footprint will have five WRSFs (WRSF 1, 3, 6, 7 and 9). The Mine Waste Management Plan presents as-built and expected waste rock placement and usage on site per major location.

The requirements from the Water Licence and Project Certificate that govern the geochemistry monitoring of Meliadine Mine are listed in the table below. The practices and monitoring as outlined within the Meliadine Mine Waste Management Plan and ARD-ML Sampling and Testing Plan will be followed.

Table 1-1: Meliadine regulatory requirements for geochemistry

Document	Section/Term and Condition	Description
Nunavut Water Board Water Licence No: 2AM-MEL1631	PART D, Item 7	7. The Licensee shall use Waste Rock and fill material for construction, including the construction of any infrastructure, only from approved sources that have been demonstrated by appropriate geochemical analyses to not produce Acid Rock Drainage and to be Non-Metal Leaching, and free of contaminants.
NIRB PROJECT CERTIFICATE [NO.: 006]	T&C 22	The Proponent shall report annually to the NIRB on the adaptations it has had made to the Mine Waste Management Plan and practices based on results obtained through monitoring.

NIRB PROJECT CERTIFICATE [NO.: 006]	T&C 23	Prior to the commencement of excavation at the Discovery deposit, the Proponent, in consultation with Natural Resources Canada, shall update its Mine Waste Management Plan to assess the potential for acid rock drainage and to identify any monitoring and mitigation measures that may be required in this development area.
NIRB PROJECT CERTIFICATE [NO.: 006]	T&C 31	The Proponent shall maintain an appropriate setback distance between project quarries and fish-bearing or permanent water bodies as required to prevent acid rock drainage or metal leaching into such water bodies.

The Mine's 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 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 due to the low prevalence of PAG rock (the exception being the Discovery Zone) (Golder 2014).

As 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 the characterization program outlined within the Mine Waste Management Plan is to confirm the findings from the baseline studies and ensure that the current management practices are protective of the receiving environment. Results from this program are used to inventory the geochemical characteristics of the mined materials and not to make management decisions.

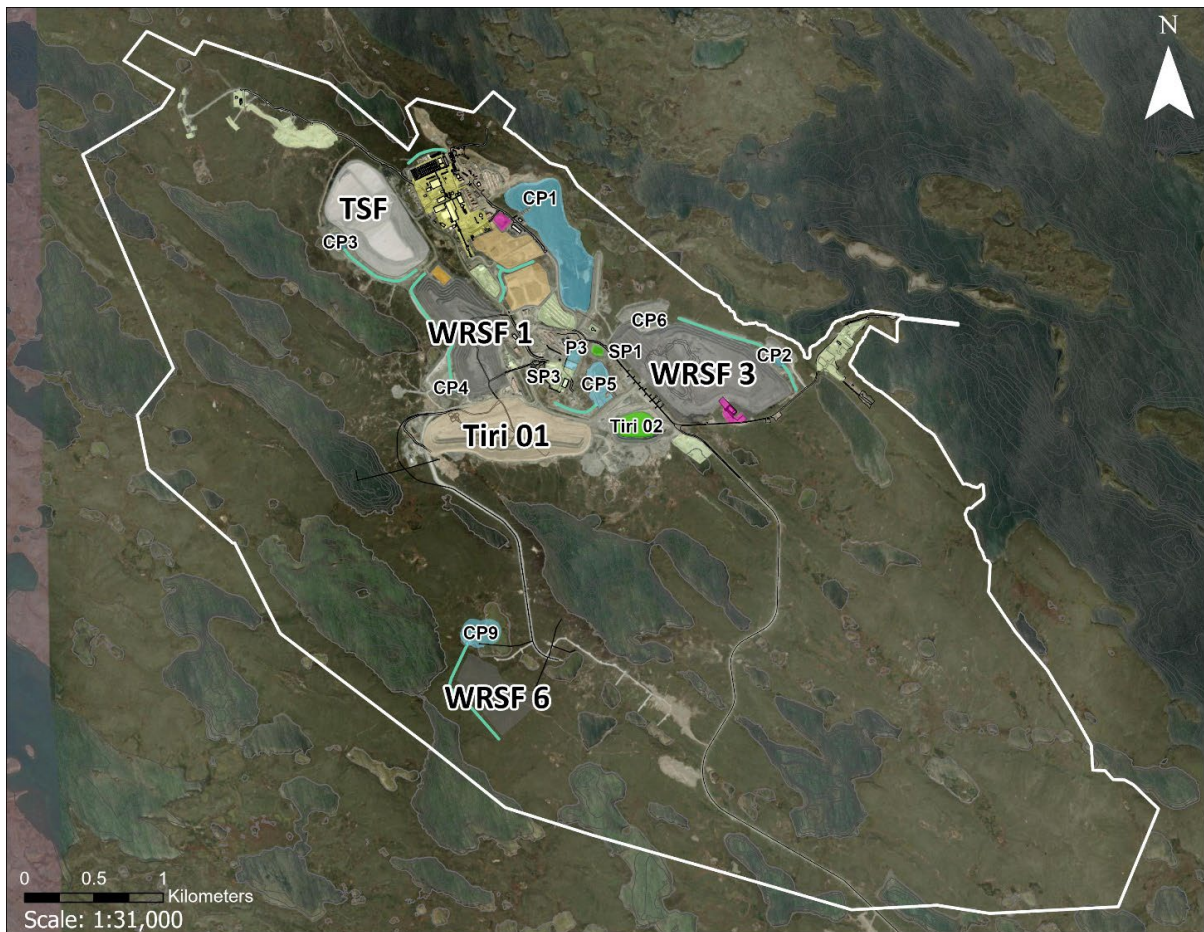


Figure 1: Current Meliadine Gold Mine Layout

SECTION 2 • COMPLIANCE ASSESSMENT

Table 1-2 presents a summary of the monitoring commitments outlined within the Mine Waste Management Plan and the monitoring completed in 2024.

Table 2-2: Monitoring Commitments Compliance Summary (AEM, 2024)

Testing Program or Commitment	Source of Commitment or Requirement	Objectives and Use	Location	Required Analytical Parameters	Analysis Completed	Target Sampling Frequency	Samples Collected (2024)	Percent Complete
Underground Waste Rock Sampling	Mine Waste Management Plan	Confirm ML/ARD potential of Underground Mine is consistent with pre-mining characterization studies	Tiriganiaq Underground	ABA and multi-element content following aqua regia digestion	ABA and multi-element content following aqua regia digestion	1 sample per 12500 tonnes of waste brought to surface	12	100%
Open Pit Waste Rock Sampling	Mine Waste Management Plan	Confirm ML/ARD potential of waste rock is consistent with pre-mining characterization studies	Open Pits (Tiri 01)	ABA and multi-element content following aqua regia digestion	ABA and multi-element content following aqua regia digestion	1 sample per 12,500 tonnes	505	100%
Filtered Tailings Sampling	Mine Waste Management Plan	Confirm ML/ARD potential of tailings is consistent with pre-mining characterization studies and confirm the effectiveness of the cyanide destruction circuit.	Process Plant	ABA, multi-element content following aqua regia digestion, and cyanide species (WAD cyanide, total cyanide, and free cyanide).	ABA and multi-element content following aqua regia digestion and cyanide speciation	1 grab sample and 1 composite sample every two weeks	48	100%
Construction Rock Sampling	Nunavut Water Board Water Licence No: 2AM-MEL1631 Part D, Item 7	Confirm that material with potential for ARD or ML was not used in construction.	New Infrastructure	ABA and multi-element content following aqua regia digestion	ABA and multi-element content following aqua regia digestion	1 grab sample per 12,500 tonnes placed or 1 sample per 12,500 tonnes removed from quarry/borrow pit	36	100%

Note: ABA includes paste pH, total sulphur, sulphate sulphur, total carbon, carbonate, and Modified Sobek NP

SECTION 3 • SAMPLING

3.1. Underground Waste Rock

In 2024, a total of 90 ML/ARD 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 2. The samples were taken throughout the underground mine from levels 150 to 200 and 300 to 600.

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 duplicate 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 for the month (i.e., one from each heading); and
 - 3 additional samples from the other most active headings each month.
- One laboratory duplicate was designated from the 5 samples outside of the field duplicate and its parent.

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

3.2. Tiriganiaq Open Pit 1 Waste Rock

In 2024, a total of 505 ML/ARD samples were collected in the TIR01 pit, with 313 of those samples being collected in Phase C area and 192 samples being taken in Phase D area. Sampling locations are visualized in Figures 3 and 4.

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;
- 1 duplicate is taken per 100,000 tonnes of blasted material; and
- 1 laboratory duplicate taken for every 12,500 tonnes of blasted material.

The samples were collected from the following formations:

- 259 samples from the SAM Formation (Kwa-s);
- 93 samples from the Upper Oxide Formation (Ksc-wa / UO); and
- 156 samples from the Wesmeg Formation (Mv).

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

3.3. Filtered Tailings

In 2024, 48 ML/ARD samples were collected from filtered tailings, the byproduct 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:

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

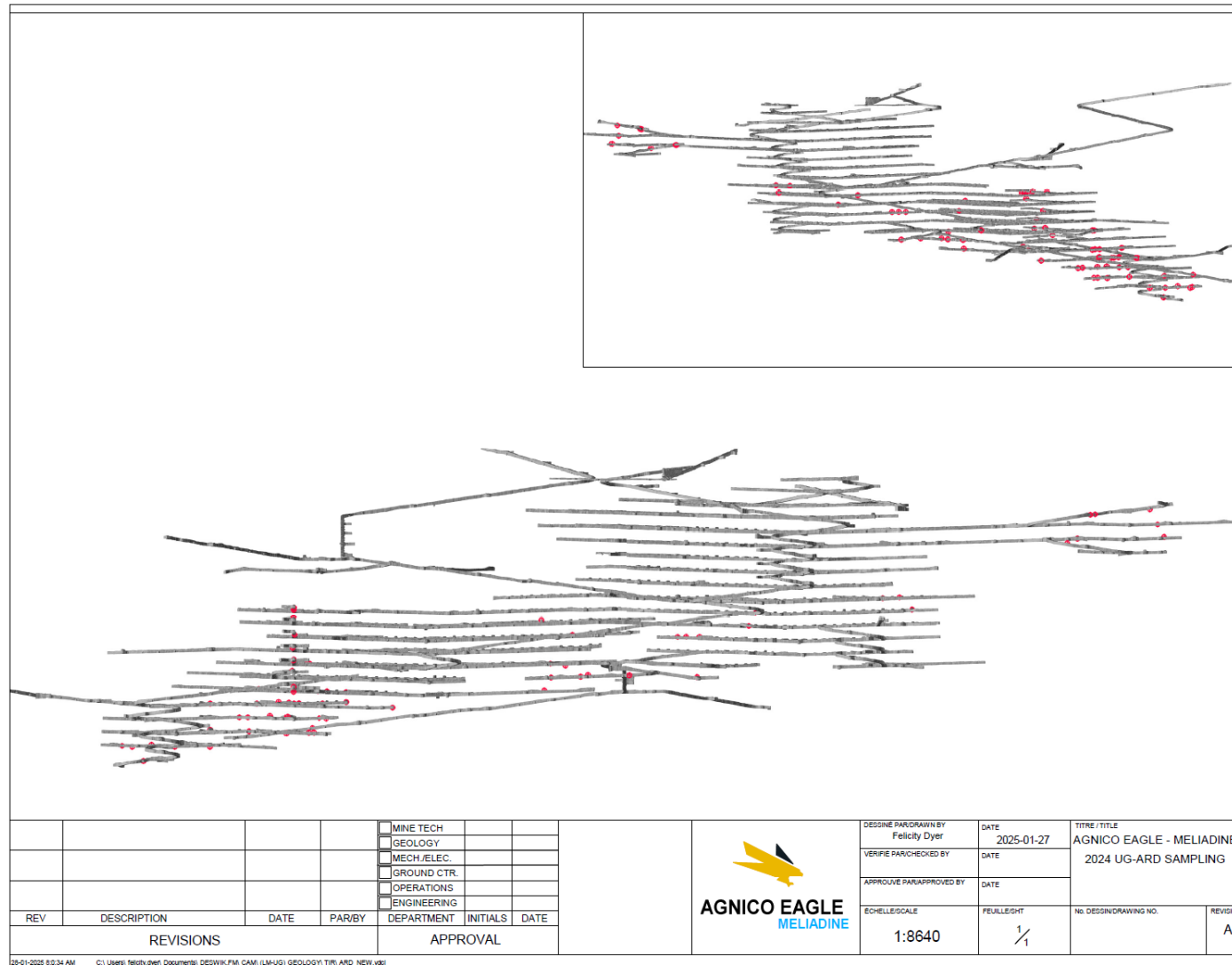


Figure 2 : Isometric view looking South-West and down Tiriganiaq Underground ML/ARD sampling locations (in red).

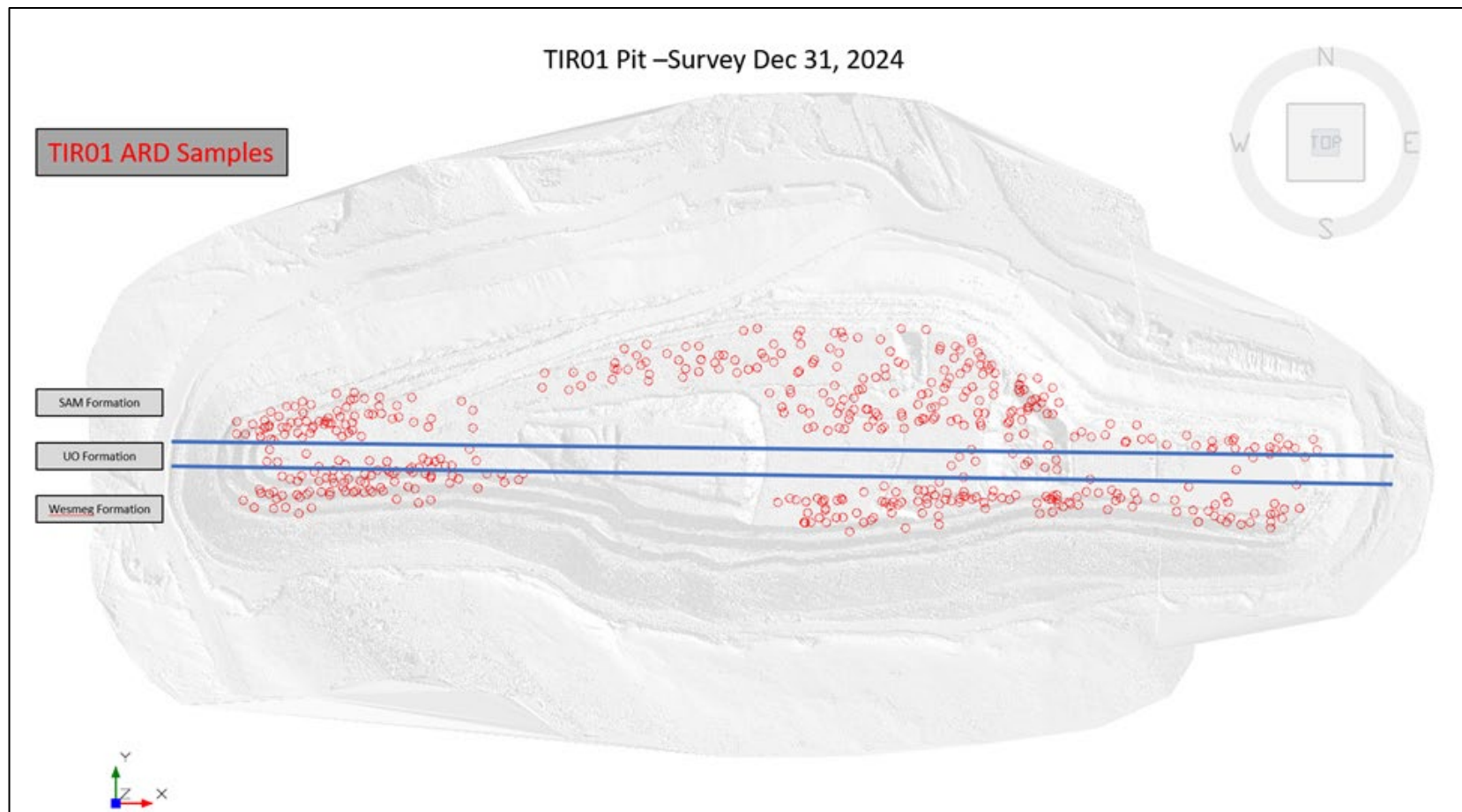


Figure 3: Plan view of the TIR01 planned pit (in grey) showing all ML/ARD sampling locations.

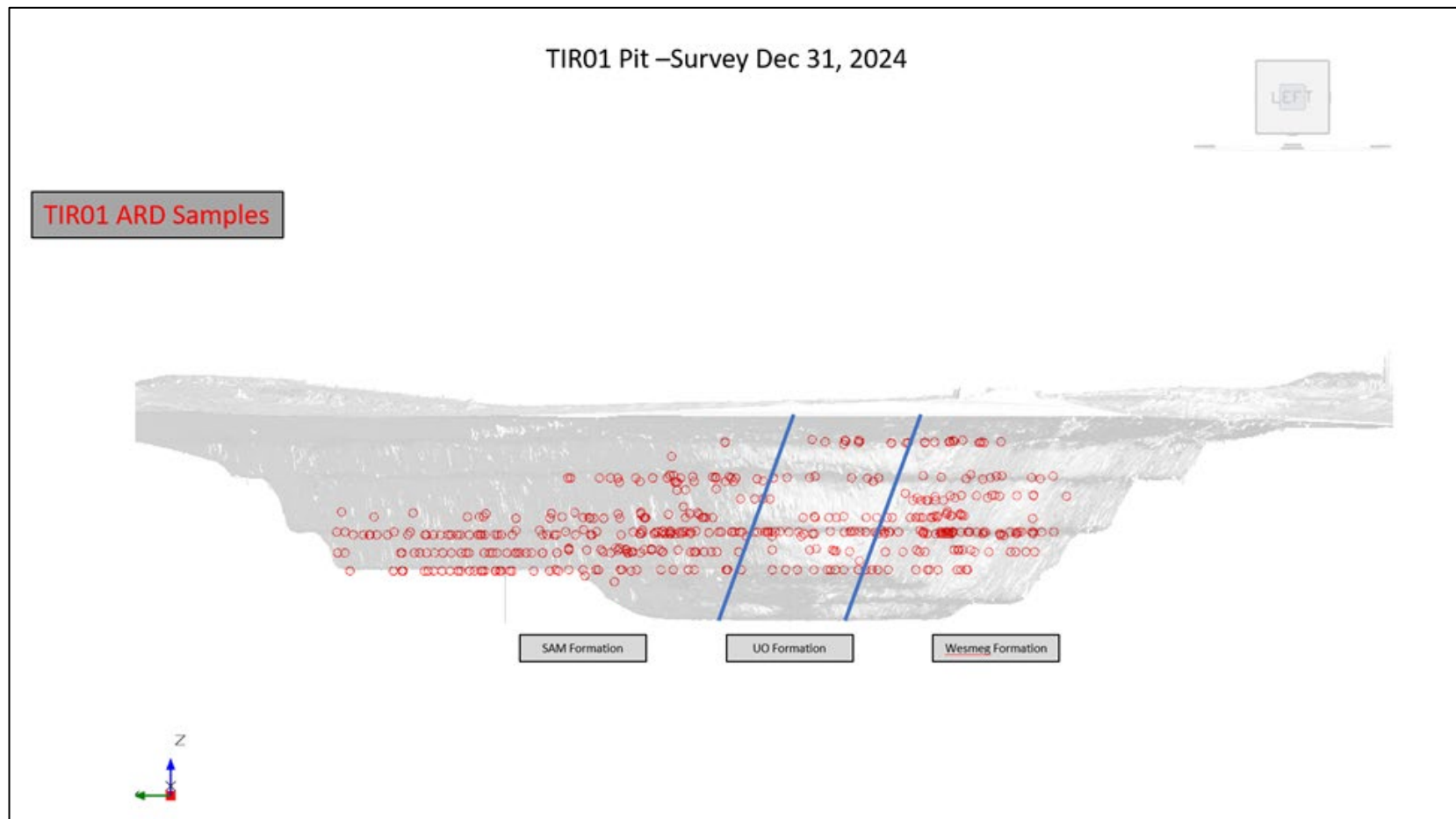


Figure 4: Vertical cross section of TIR01 ML/ARD sampling locations, looking east.

SECTION 4 • LABORATORY TESTING

All ML/ARD samples collected were shipped off-site to SGS Lakefield, Ontario, an accredited laboratory with specialization in ML/ARD. 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 resulted in a biased low carbonate content. As such, an 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.

4.1. 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 certified reference materials. Any laboratory duplicate results that did not adhere to the required precision specifications would trigger a re-analysis.

Field duplicates were collected in 2024 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 the reproducibility of the laboratory analyses. In 2024:

- 12 duplicates of underground waste rock were collected from a total of 72 samples, representing 16.6% of samples taken;
- 90 duplicates of open pit waste rock were collected from a total of 505 samples, representing 17.8% of samples taken;

- 9 duplicates were taken for the operational filtered tailings from a total of 51 samples, representing 17.4% of samples taken.

Overall, collected and analyzed duplicate samples represent 17.7% of the samples collected throughout 2024 for geochemical monitoring (628 samples in total).

In 2024, laboratory duplicates were introduced as another form of QA/QC. The procedure was initially utilized for the Open Pit mining samples and expanded out to the underground samples. It will be incorporated for the tailings sampling in 2025. This practice allows the direct comparison of results from the same sample tested twice to confirm that the laboratory results were within an acceptable margin of error. In 2024:

- 76 laboratory duplicates were analyzed from a total of 505 samples representing 15.0% of Open Pit samples taken;
- 12 laboratory duplicates were analyzed from a total of 72 samples representing 13.3% of Underground samples taken.

Overall the laboratory duplicate samples represent 15.3% of the samples collected as part of the 2024 geochemical monitoring. For 2025, laboratory duplicate samples will also be taken for the Filtered Tailings samples.

A summary of QA/QC results is summarized in Table 4-1. Based on the results of the data quality review, the data were considered acceptable.

Table 4-3: Summary of QA/QC Measures

QC Test	QC Criteria	Results
paste pH		
Field Duplicate (n=111)	For any samples, +/- 0.5 difference pH unit	All Passed
Lab Duplicate (n=88)	For any samples, +/- 0.5 difference pH unit	All Passed
Total C and TIC		
Lab Blank (n=88) for Total C, (n=88) for TIC	<2X detection limit (DL)	All Passed
Field Duplicate (n=111)	For samples > 10X the detection limit (DL), % Relative Percent Difference (RPD) within +/-30%	9 samples were excluded because QC criteria were not met
Lab Duplicate (n=88) for TIC	For samples >10X detection limit (DL), % RPD within +/- 20%.	All Passed
Certified Reference Material (n=111) for TIC, (n=111) for Total C	Within specified tolerance ranges.	All Passed
Total S & Total Sulphate		
Lab Blank (n=88)	<2X detection limit (DL)	All Passed
Field Duplicate (n=111)	For samples > 10X the detection limit (DL), % RPD within +/-30%	19 samples were excluded because QC criteria were not met

Lab Duplicate (n=88) for Total S, (n=88) for Total sulphate	For samples >10X detection limit (DL), % RPD within +/- 20%.	All Passed
Certified Reference Material (n=88) for Total S, (n=88) for Total sulphate	Within specified tolerance ranges.	All Passed
Modified NP		
Field Duplicate (n=111)	% RPD better than +/-15% for NP>20 kg/t, % RPD better than +/-30% for < 20 kg/t NP	19 samples were excluded because QC criteria were not met
Lab Duplicate (n=88)	% RPD better than +/-15% for NP>20 kg/t, % RPD better than +/-30% for < 20 kg/t NP	All Passed
Certified Reference Material (n=111)	Within specified tolerance ranges.	All Passed
Trace Elements (Aqua Regia Digestion with ICP Finish)		
Lab Blank (n=111)	<5X Detection Limit	All Passed
Field Duplicate (n=111)	For samples > 10X the detection limit (DL), % RPD within +/-30%	4 samples were excluded because QC criteria were not met
Lab Duplicate (n=88)	For samples >10X detection limit (DL), % RPD within +/- 20%, For ICP metal scan, it is acceptable for 10% of parameters to be outside of this criterion.	All Passed
Certified Reference Material (n=111)	Within specified tolerance ranges.	All Passed

SECTION 5 • RESULTS AND 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 1 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.

5.1. Underground Waste Rock

5.1.1. ARD Potential

Complete 2024 Tiriganiaq underground waste rock samples ABA laboratory results are provided in Appendix A, with summary statistics provided in Table 5-1.

Table 5-4: Summary Statistics for 2024 ARD and Arsenic Underground Results.

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	8.3	8.5	8.7	8.9	8.9	9.1	9.6	9.7
NP-mod	kg CaCO ₃ /t	4	36	58	132	131	196	254	301
AP	kg CaCO ₃ /t	0.13	0.4	2.0	3.2	5.9	5.5	14.6	110.0
Sulphur (total)	% S	0.01	0.02	0.09	0.14	0.23	0.23	0.56	3.94
Acid Leachable SO ₄ -S	% S	0.04	0.04	0.05	0.06	0.09	0.08	0.23	0.42
Carbon (total)	% C	0.12	0.50	0.83	1.75	1.86	2.69	4.06	4.40
Carbonate (CO ₃)	% CO ₃	0.5	2.4	4.0	8.2	9.1	13.4	20.2	21.9
NP-Ca	kg CaCO ₃ /t	7.8	39.8	67.3	136.1	151.3	222.9	336.3	365.0
NP/AP	ratio	1	5.3	21.4	36.6	22.1	64.3	185.2	1744.0
Arsenic	mg/kg	2	5	11	29	474	108	1420	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.

ARD classification for 2024 samples is presented in Figure 5. As predicted by Golder (2014), the majority of the operational waste rock samples collected to date are non-PAG. Three of the 2024 samples fall within the uncertain or PAG classification – 2 samples were PAG and 1 was uncertain. These samples represent a total of 5,151 tonnes which were distributed between being kept underground and brought to surface. Of the total tonnage, 868 tonnes were brought to surface, representing 16% of the total mass. Underground waste brought to surface is placed on the TSF for progressive reclamation covering.

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

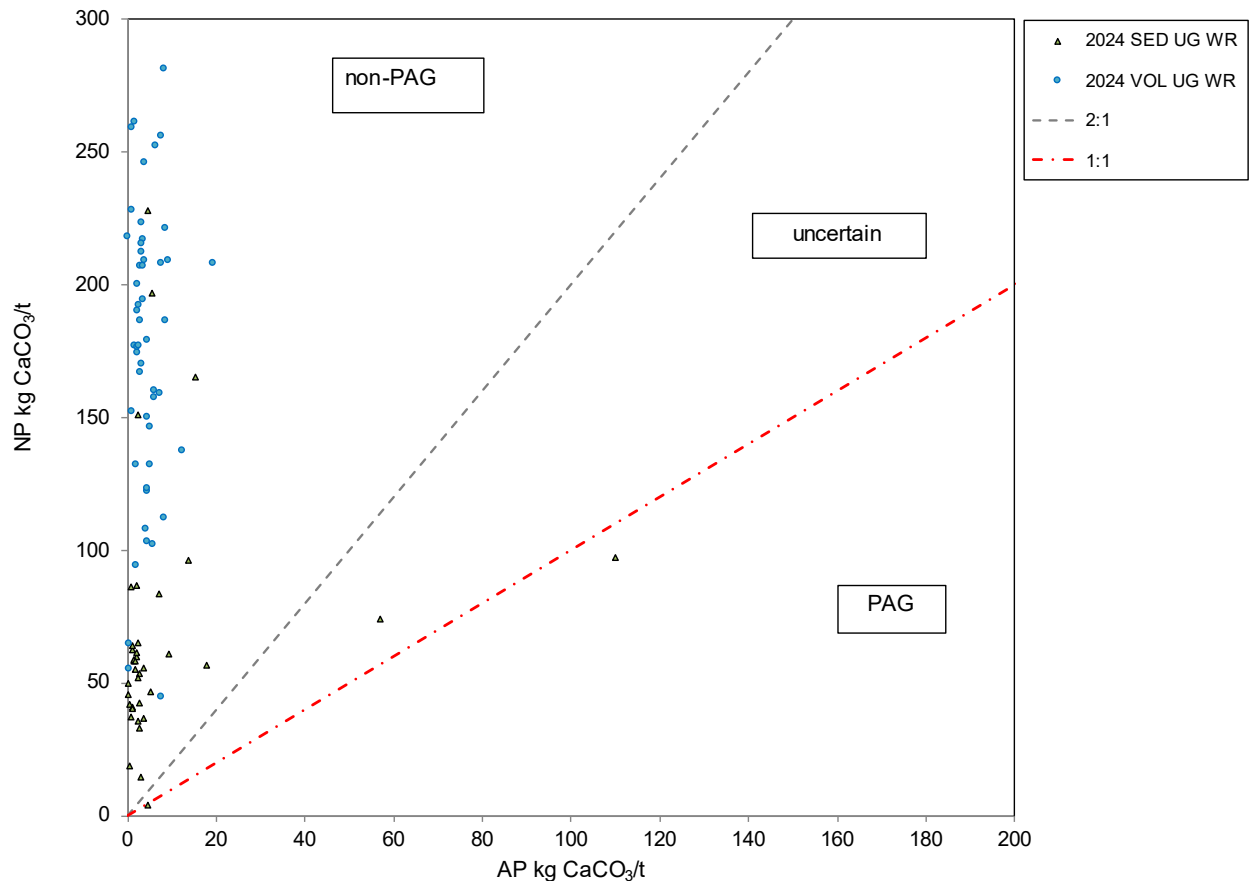


Figure 5: ARD classification for 2024 Underground Waste Rock samples

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

5.1.2. 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 2, 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 6, solid phase arsenic concentrations for samples collected between 2017 and 2024 mainly fall within the average concentration, with only five samples in the past seven years exceeding the maximum concentration reported by Golder (2014).

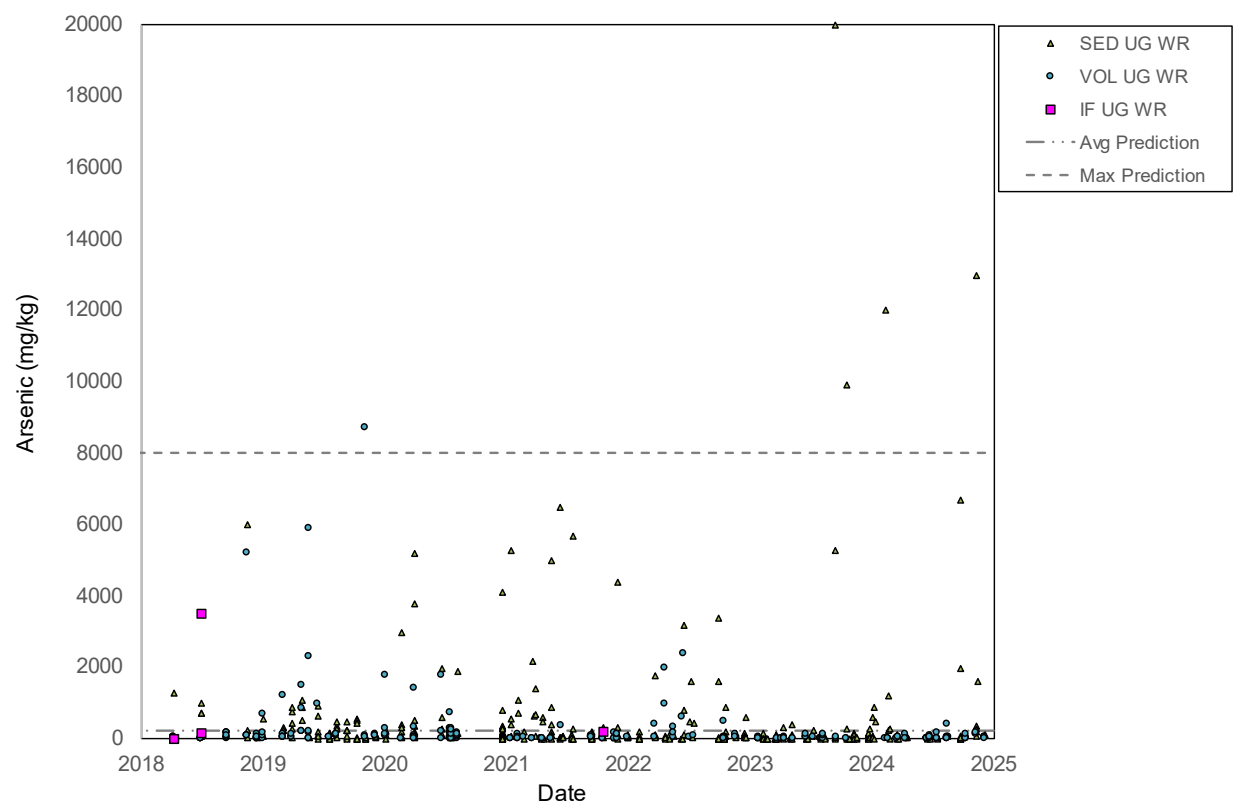


Figure 6: Arsenic concentrations from 2018 to 2024 in Underground Waste Rock samples compared to values from project prediction studies.

5.2. Tiriganiaq Open Pit 1 Waste Rock

5.2.1. ARD Potential

Complete 2024 TIR01 samples ABA laboratory results are provided in Appendix B, with summary statistics provided in Table 3.

Table 5-5: Summary Statistics for 2024 ARD and Arsenic TIR01 Results.

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	7.7	8.6	8.9	9.0	9.0	9.2	9.4	9.5
NP-mod	kg CaCO ₃ /t	3	34	43	55	110	195	274	610
AP	kg CaCO ₃ /t	0.2	2.1	3.6	4.7	7.1	6.5	13.8	210.6
Sulphur (total)	% S	0.03	0.12	0.18	0.23	0.31	0.29	0.62	7.14
Acid Leachable SO ₄ -S	% S	0.03	0.04	0.06	0.08	0.10	0.11	0.19	1.17
Carbon (total)	% C	0.35	0.52	0.66	0.84	1.51	2.77	3.70	4.82
Carbonate (CO ₃)	% CO ₃	0.24	1.99	2.75	3.59	6.66	12.45	17.30	22.70
NP-Ca	kg CaCO ₃ /t	4.0	33.1	45.8	59.8	111.0	207.5	288.3	378.3
NP/AP	ratio	0.27	4.92	8.64	13.22	15.44	31.42	82.15	464.00
Arsenic	mg/kg	4	7	28	64	300	160	850	22000

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 7. Eight samples collected in 2024 had an NPR below 1 (PAG), three samples had an NPR between 1 and 2 (uncertain) and all remaining samples in 2024 yielded NPRs greater than 2 (non-PAG).

Through investigation of the PAG results, it has been determined that they are associated with rock samples collected in proximity to ore bearing material. All eight of the sample results that returned as PAG were from blast patterns that were designated as ore patterns. As such, the material hauled from these patterns either went to be milled or was sent to WRSF3 for placement, depending on how far from the ore zone the material was.

For the sample results that came back within the uncertain range, the majority of the material associated with these was either kept in pit for ramp construction or moved to WRSF1 or WRSF3.

There were 2 blasts for which there is potential that material within the Uncertain range was used in the construction of the Pump Road. In one blast, 1,000 tonnes from a 5,700 tonnes blast was moved to Pump Road. The other blast contained 63,000 tonnes, of which 22,000 tonnes was moved to Pump Road. It is important to note that the classification is based on drill hole sampling and that the material associated with each drill hole is approximately 300 tonnes, meaning that the total volume moved from a blast is not necessarily all classified as uncertain, only a portion of it.

Overall, the PAG or uncertain samples represent 1.6% of the total open pit waste rock samples collected. This confirms the low risk for ARD for Tiriganiaq Open Pit waste rock given the excess neutralization potential in the other samples collected in 2024.

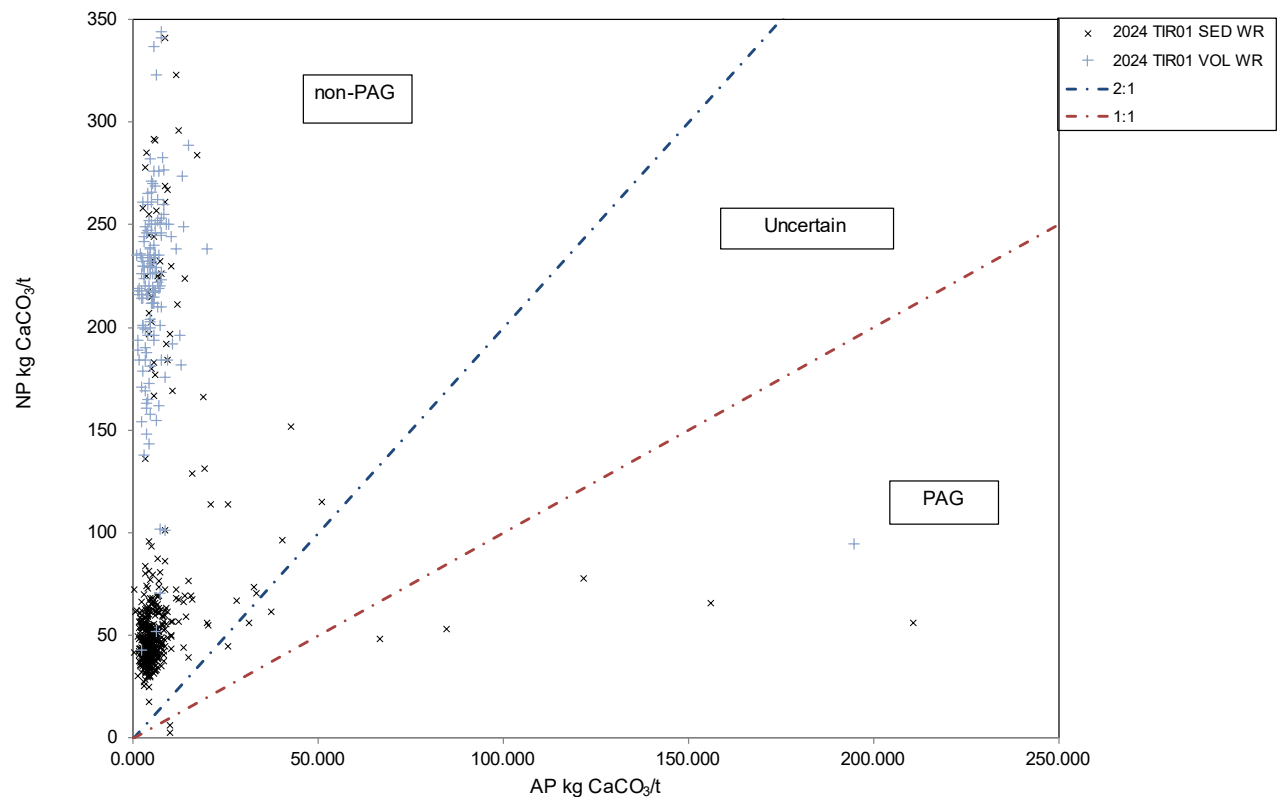


Figure 7: ARD classification for 2024 TIR01 waste rock samples.

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

5.2.2. 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 3, 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 8, solid phase arsenic concentrations mainly fall within or near the average concentration, with four samples between years 2021 and 2024 exceeding the maximum concentration reported by Golder (2014).

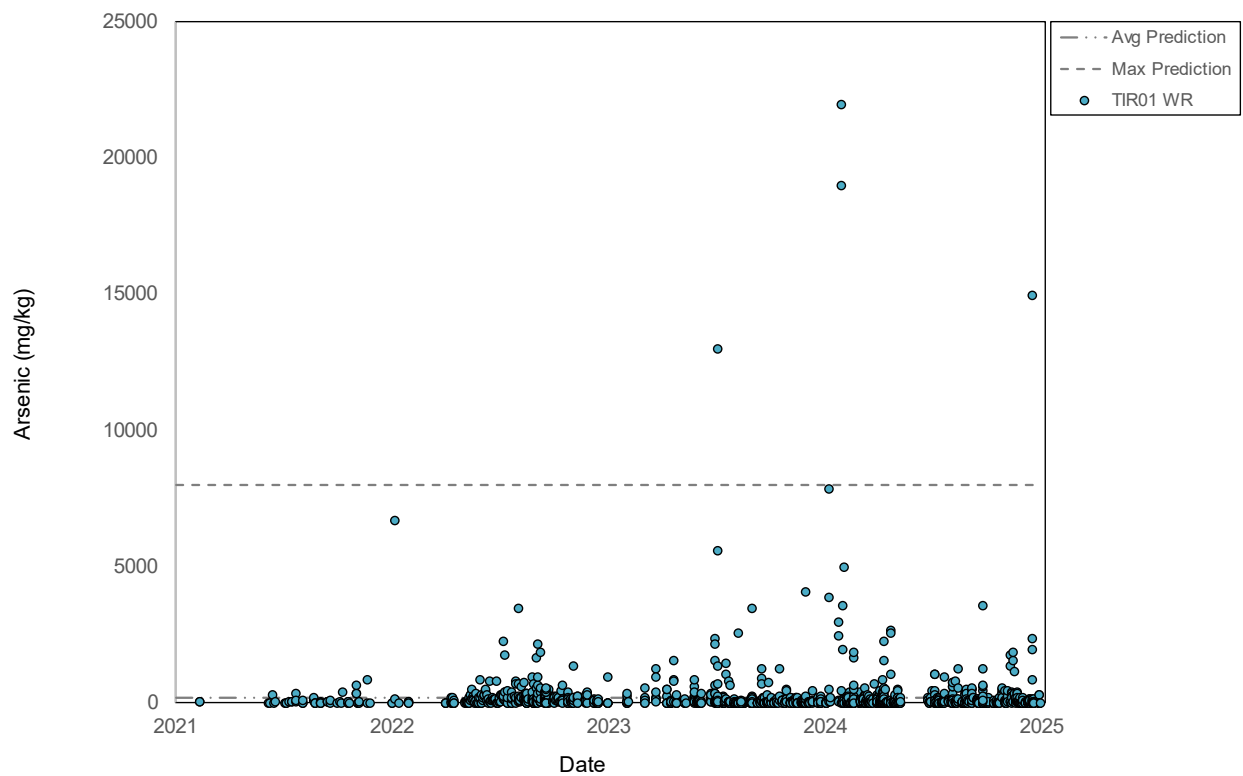


Figure 8: Arsenic concentrations in TIR01 waste rock samples compared to values from project prediction studies.

5.3. Filtered Tailings

5.3.1. ARD Potential

Complete 2024 filtered tailings samples ABA laboratory results are provided in Appendix C with summary statistics provided in Table 5-3. 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 5-6: Summary Statistics for 2024 ARD and Arsenic Filtered Tailings Results.

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	8.2	8.2	8.4	8.4	8.4	8.5	8.6	8.8
NP-mod	kg CaCO ₃ /t	35	72	79	81	81	84	92	105
AP	kg CaCO ₃ /t	33.8	34.3	37.7	42.2	42.8	45.7	55.5	65.3
Sulphur (total)	% S	1.08	1.25	1.33	1.52	1.53	1.62	2.09	2.20
Acid Leachable SO ₄ -S	% S	0.05	0.06	0.15	0.21	0.21	0.25	0.34	0.36
Carbon (total)	% C	1.24	1.26	1.32	1.35	1.40	1.43	1.65	1.96
Carbonate (CO ₃)	% CO ₃	0.48	5.38	5.94	6.18	5.99	6.52	6.96	7.46
NP-Ca	kg CaCO ₃ /t	8	90	99	103	100	109	116	124
NP/AP	ratio	0.9	1.3	1.8	1.9	1.89	2.2	2.4	2.5
Arsenic	mg/kg	1	6200	7900	9100	8964	10000	11100	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.

ARD classification for 2024 samples is provided in Figure 9. Samples collected in 2024 had an average NPR of 1.9, while one (1) sample had an NPR below 1. Most tailings samples fall within the uncertain category, as seen in Figure 9.

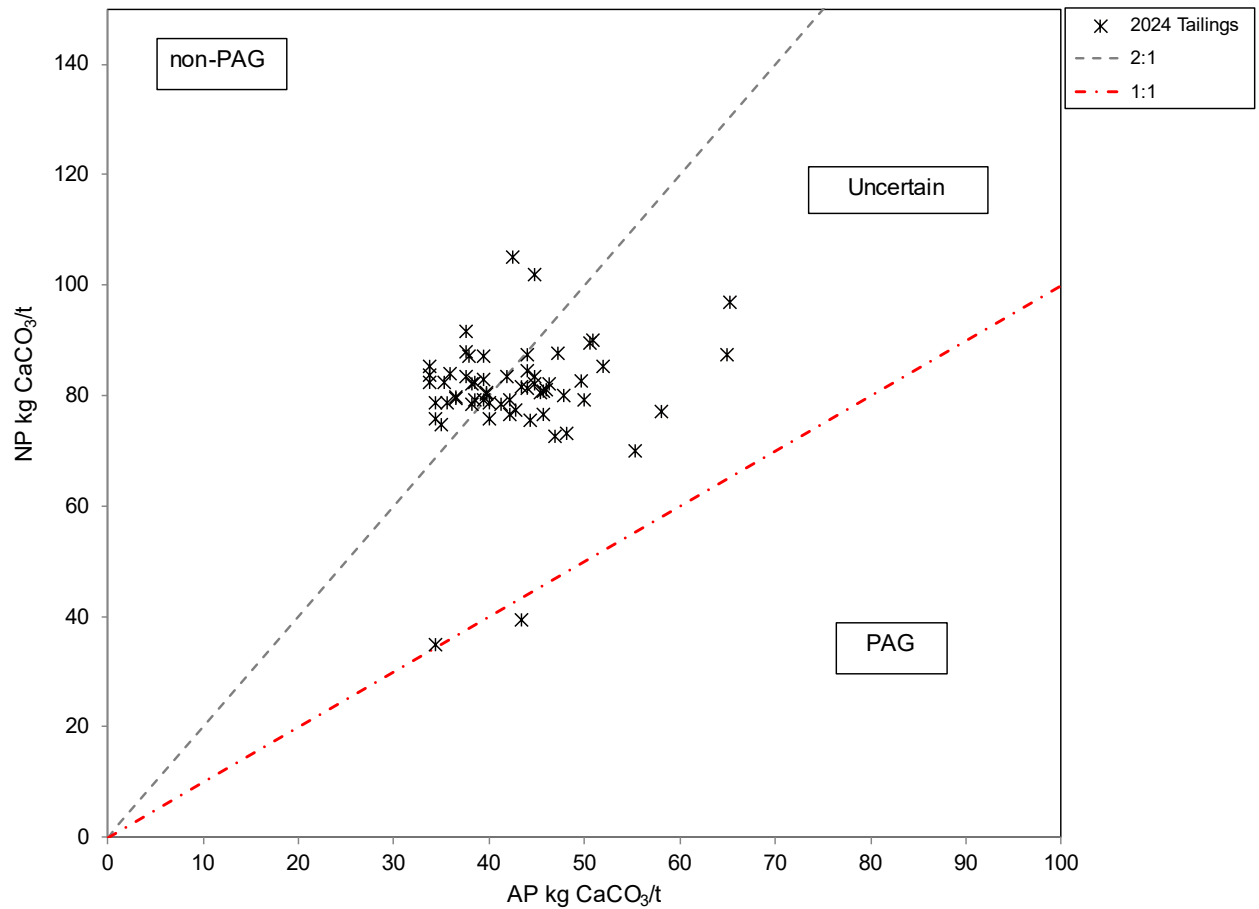


Figure 9: ARD classification of 2024 Operational Filtered Tailings samples.

Project prediction studies in the FEIS estimated an NPR of 2.7 for the tailings, using NP-mod. Filtered tailings NPR values using NP-mod over time are presented in Figure 10. A slight decrease in these values is observed between 2023 (2.4) and 2024 (1.9).

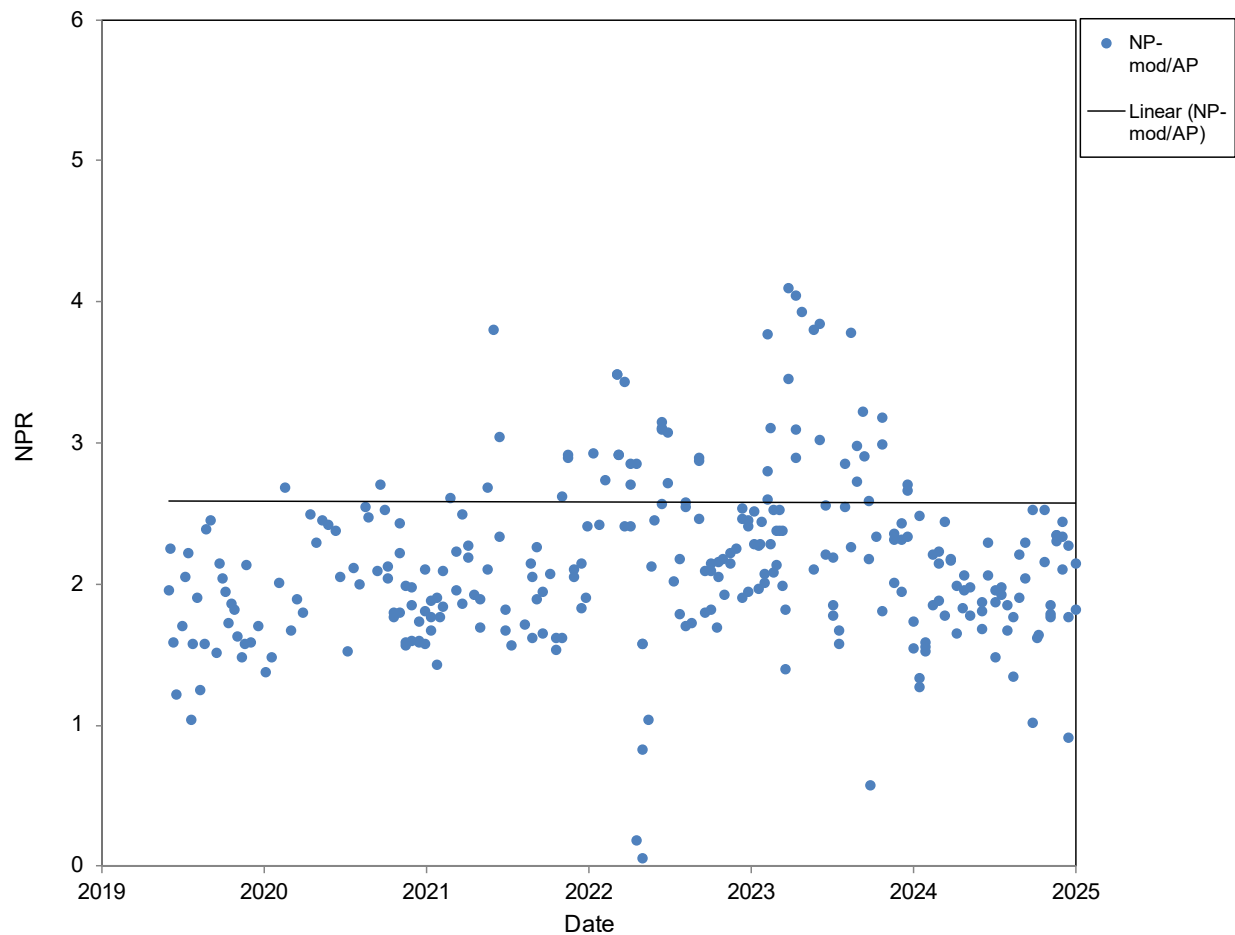


Figure 10: NPR versus time for Operational Filtered Tailings samples

Despite the presence of tailings samples classified as PAG and uncertain from 2019 to 2024 sampling, Agnico Eagle does not consider the tailings to pose an ARD risk for the site, for the following reasons:

- Tailings are being stored in a facility that will re-develop permafrost and inhibit water movement post-operations;
- Placement of the tailings includes compacting by a vibrator packer and sloping to shed water off the facility, which will lower oxygen diffusion into the tailings and limit water contact, both established mechanisms to reduce ARD;
- There is enough carbonate in the tailings that ARD may never occur as the actual ratio that ARD onset is expected is much closer to 1.0;

- If ARD could develop, permafrost freeze back is expected to occur well before the onset of ARD due to the amount of carbonate in the tailings and arctic climate slowing reaction rates. The late potential onset of acidic conditions is based on the slow oxidation rate of sulphides, and therefore slow rate of neutralization consumption of carbonates and if slow enough, silicate neutralization. While tailings may be classified as uncertain, they are expected to contain enough carbonate to neutralize the acidity produced until freeze back occurs. Furthermore, the SGS Lakefield laboratory completed an investigation showing that past carbonate analyses were biased low (Section 3), meaning that there is more carbonate than previously shown, which would only extend the delay to consumption of carbonate; and
- Progressive reclamation is a part of the facility management for closure, meaning a cover will be placed over most of the tailings before the mine ceases operations.

5.3.2. Metal Leaching

A statistical summary for arsenic is provided in Table 5-3, 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 1 mg/kg to a maximum of 13,000 mg/kg, with a median of 9,100 mg/kg in 2024. 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.

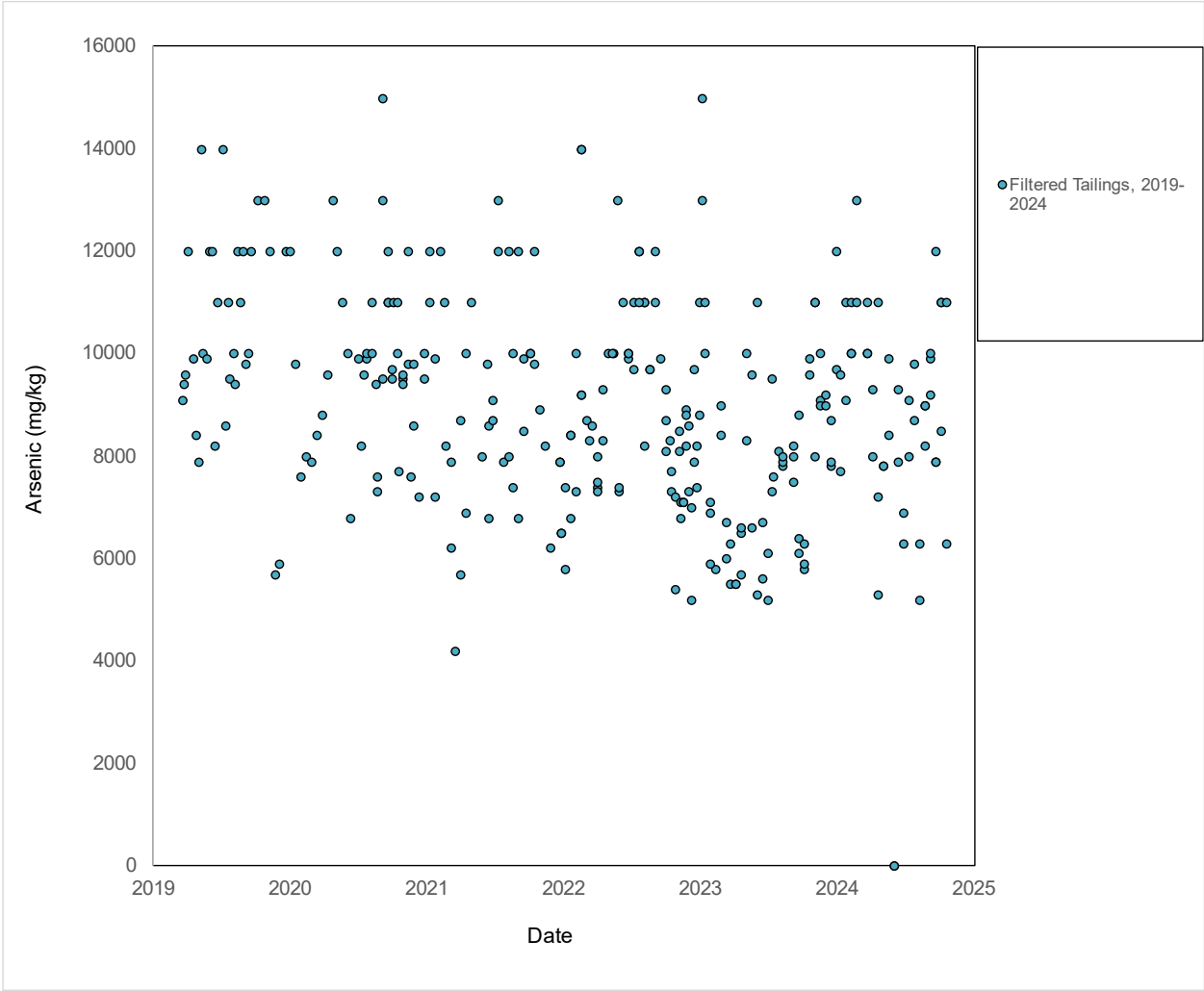


Figure 11: Solid Phase Arsenic results from 2019-2024 Operational Tailings samples

5.4. Construction Rock Sampling

The Mine uses Open Pit waste rock for construction projects such as berms, channels, roads and pads. Though the material has been sampled in the Pit before use for construction, as due diligence, post-construction sampling program was conducted in 2024 occurs to confirm that the rock used for construction falls into the non-PAG category. material classification. Seven construction projects completed in 2024 were sampled as part of this program.

A sampling methodology was created where a grab sample of rocks 1 to 5 cm in size would be collected for every 12,500 tonnes placed. Each sample would weigh between 1 kg and 2 kg. For the Pump Road, this represented a sample every 130 m and a total of 14 samples. For the road connecting the Pump Road to the IT Tower at KM27, it was every 175 m and 5 samples. There were two samples collected from the IT Tower pad at KM27, two samples from the D-CP1 downstream channel maintenance work, and one from the Channel 4 maintenance work.

Figure 12 below shows the ARD classification of the 2024 construction rock sampling program. The material used for these projects is classified predominately as non-PAG. There was one sample from the construction of Pump Road that returned a result of uncertain, which will be followed up on in 2025. A sampling strategy will be created to resample the location and step out from that location to

confirm the uncertain result and delineate the extent of Uncertain material.

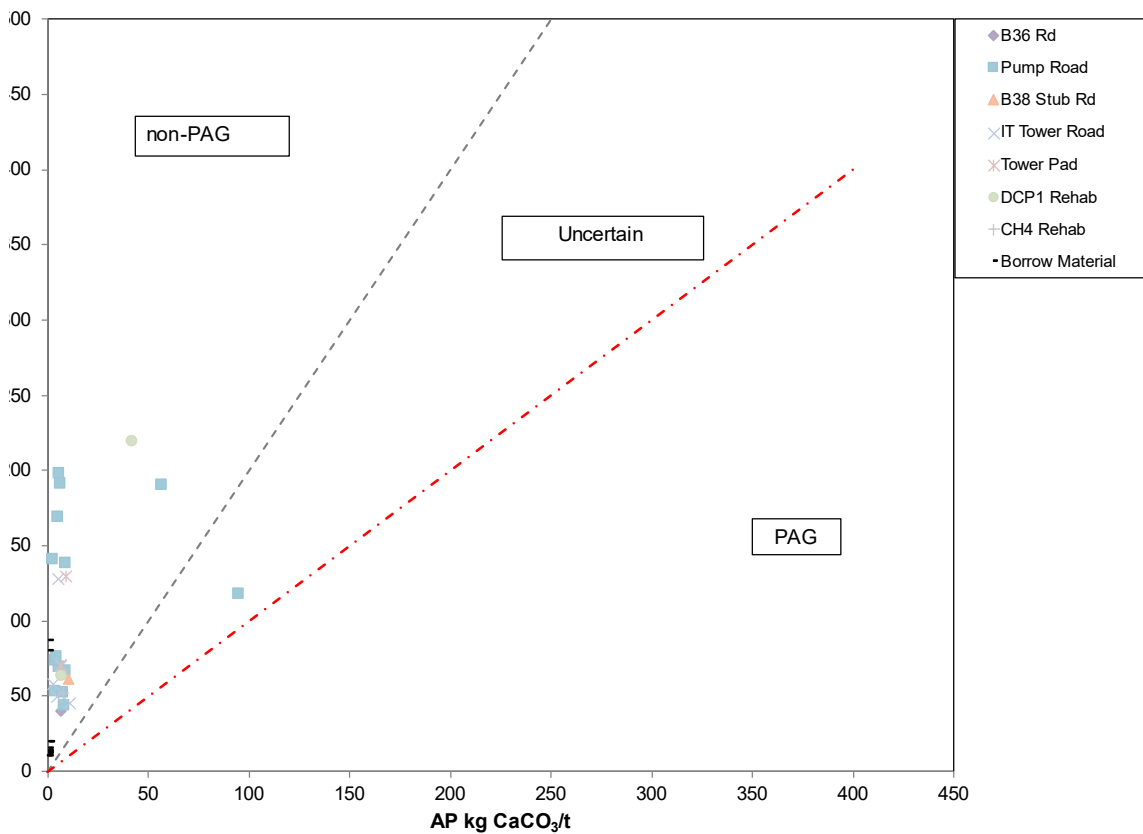


Figure 12: ARD classification of 2024 Construction Projects samples

Figure 12 also shows the sample results for the material from borrow pits used for the waterline construction in 2024. There were 10 grab samples collected from borrow pit material in 2024 and all samples were non-PAG.

SECTION 6 • 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 below 1 and one sample had an NPR between 1 and 2, indicating Uncertain ARD potential. This is consistent with the expectation for a small proportion of PAG rock to be mined from the Tiriganiaq deposit (Open Pit and Underground). Despite this classification, these samples do not represent a risk due to the small proportion of PAG rock and excess neutralization potential of the remaining underground waste rock samples collected in 2024. Arsenic concentrations in underground waste rock samples in 2024 were at the levels predicted by Golder (2014) aside from two samples that were over the maximum prediction.

Eight samples from the Tiriganiaq Open Pit 1 had an NPR slightly below 1, and three 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 2024. Arsenic concentrations in open pit waste rock samples in 2024 were slightly higher on average than the Golder (2014) average prediction, with two samples 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 TSF. 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 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.

It is anticipated that the tailings ARD potential will fluctuate from year to year depending on the grade of ore processed. However, it is expected that the ARD potential will remain close to the predicted baseline (Golder 2014).

The construction material sourced from Tiri 01 this year was predominantly non-PAG with only one uncertain sample. This sample location on the Pump Road will be resampled and further samples will be taken in a step out pattern from that location to confirm the uncertain result and delineate the extent of Uncertain rock. As expected, samples from the borrow pit material used for the waterline construction in 2024 has returned results of non-PAG.

In conclusion, based on the 2024 monitoring results for ML/ARD characterization, a section of Pump Road will be resampled and results analyzed to determine if remediation will be required. All other results are 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.

SECTION 7 • REFERENCES

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APPENDIX A: UNDERGROUND WASTE ROCK LABORATORY CERTIFICATES OF ANALYSIS



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

19-June-2024

Date Rec. : 23 January 2024
LR Report: CA19202-JAN24
Reference: Meliadine - PO#1254179

Copy: #3

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26090 1 CC1-475-109- Ksc-wa	6: CAMLM26090 2 DP1-325-160- Ksc-wa	7: CAMLM26090 3 DL1-425-135- Ksc-wa+Nlj	8: CAMLM26090 4 CC1-375-112- Mv 1150-Ksc-wa+ Nlj	9: CAMLM26090 6 LW1-375-143- FW3-300-172- KMG	10: CAMLM26090 7
Sample Date & Time					04-Jan-24	04-Jan-24	06-Jan-24	08-Jan-24	08-Jan-24	12-Jan-24
CNWAD [µg/g]	31-Jan-24	12:39	02-Feb-24	08:58	< 10	< 10	< 10	< 10	< 10	< 10
Ag [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	55000	68000	60000	62000	25000	61000
As [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	85	28	13	890	510	12000
Ba [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	270	490	560	580	15	370
Be [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	0.77	1.1	1.0	1.1	0.34	1.4
Bi [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	< 0.09	0.10	< 0.09	< 0.09	0.20	1.8
Ca [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	33000	23000	26000	84000	41000	35000
Cd [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	0.10	0.07	0.07	0.15	0.12	1.1
Co [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	8.3	12	7.7	44	5.5	35
Cr [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	28	28	29	110	45	130
Cu [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	34	26	16	96	28	146
Fe [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	120000	47000	50000	72000	190000	61000
K [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	6200	18000	17000	21000	410	17000

Online LIMS



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mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : CA19202-JAN24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26090 1 CC1-475-109- Ksc-wa	6: CAMLM26090 2 DP1-325-160- Ksc-wa	7: CAMLM26090 3 DL1-425-135- Ksc-wa+Nlj	8: CAMLM26090 4 CC1-375-112- Mv 1150-Ksc-wa+ Nlj	9: CAMLM26090 6 LW1-375-143- FW3-300-172- KMG	10: CAMLM26090 7
Li [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	31	31	29	27	5.2	20
Mg [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	9300	7800	5400	32000	8900	12000
Mn [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	470	310	270	1800	610	480
Mo [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	2.2	1.1	1.9	0.5	2.6	9.4
Ni [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	21	24	19	100	12	64
P [µg/g]	26-Jan-24	14:50	05-Jun-24	09:20	490	320	360	180	810	580
Pb [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	8	10	8	7	23	52
Sb [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	7.4
Se [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	0.2	0.1	< 0.1	0.2	0.4	1.9
Sn [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	270	250	330	120	240	190
Ti [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	1900	2400	2300	4000	770	650
Tl [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	0.10	0.32	0.32	0.69	0.02	1.4
U [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	0.68	0.70	0.56	0.084	0.55	0.93
V [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	40	47	38	200	25	120
Y [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	5.5	3.5	3.2	3.7	6.3	6.6
Zn [µg/g]	26-Jan-24	14:50	30-Jan-24	12:08	69	61	48	72	41	420

Revised report with Phosphorus and QC Report added.

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

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: EMS0251-JAN24													
Calcium	3	µg/g	<3			2		108			87		
Phosphorus	3	µg/g	<3			2		95			87		
Potassium	3	µg/g	<3			1		100			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0251-JAN24													
Aluminum	3	µg/g	<3			2	20	93	70	130	84	70	130
Antimony	0.8	µg/g	<0.8			ND	20	101	70	130	113	70	130
Arsenic	0.5	µg/g	<0.5			3	20	97	70	130	93	70	130
Barium	0.01	µg/g	<0.01			4	20	95	70	130	100	70	130
Beryllium	0.02	µg/g	<0.02			5	20	96	70	130	89	70	130
Bismuth	0.09	µg/g	<0.09			2	20	93	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			12	20	93	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			14	20	97	70	130	82	70	130
Cobalt	0.01	µg/g	<0.01			2	20	91	70	130	86	70	130
Copper	0.1	µg/g	<0.1			4	20	93	70	130	94	70	130
Iron	3	µg/g	<3			1	20	102	70	130	96	70	130
Lead	0.05	µg/g	<0.05			0	20	95	70	130	104	70	130
Lithium	2	µg/g	<2			3	20	99	70	130	109	70	130
Magnesium	3	µg/g	<3			1	20	101	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			0	20	93	70	130	97	70	130
Molybdenum	0.1	µg/g	<0.1			6	20	104	70	130	102	70	130
Nickel	0.1	µg/g	<0.1			0	20	93	70	130	99	70	130
Selenium	0.1	µg/g	<0.1			12	20	96	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	98	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	96	70	130	96	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	99	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	96	70	130	80	70	130
Uranium	0.002	µg/g	<0.002			11	20	92	70	130	89	70	130
Vanadium	1	µg/g	<1			3	20	95	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			8	20	94	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	94	70	130	93	70	130

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Works #: Waste Rock UG TIR

Project : PO#1254179

17-June-2024

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Date Rec. : 23 January 2024

LR Report: CA19201-JAN24

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: CAMLM26090 1 CC1-475-109- Ksc-wa	6: CAMLM26090 2 DP1-325-160- Ksc-wa	7: CAMLM26090 3 DL1-425-135- Ksc-wa+Nlj
Sample Date & Time					04-Jan-24	04-Jan-24	06-Jan-24
Paste pH [no unit]	08-Feb-24	20:17	10-Feb-24	13:47	8.68	8.76	9.19
Fizz Rate [rating]	08-Feb-24	15:24	10-Feb-24	13:47	3	3	3
Sample weight [g]	08-Feb-24	14:05	10-Feb-24	13:47	1.99	1.96	1.95
HCl_add [mL]	09-Feb-24	13:30	10-Feb-24	13:47	56.10	38.80	30.60
HCl [Normality]	08-Feb-24	15:37	10-Feb-24	13:47	0.10	0.10	0.10
NaOH [Normality]	08-Feb-24	15:37	10-Feb-24	13:47	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Feb-24	21:21	10-Feb-24	13:47	22.85	15.37	7.81
Final pH [no unit]	09-Feb-24	15:49	10-Feb-24	13:47	1.52	1.58	1.82
NP [t CaCO3/1000 t]	09-Feb-24	21:21	10-Feb-24	13:47	83.5	59.8	58.4
AP [t CaCO3/1000 t]	09-Feb-24	21:21	10-Feb-24	13:47	7.19	2.19	1.25
Net NP [t CaCO3/1000 t]	09-Feb-24	21:21	10-Feb-24	13:47	76.3	57.6	57.2
NP/AP [ratio]	09-Feb-24	21:21	10-Feb-24	13:47	11.6	27.3	46.7
S [%]	25-Jan-24	16:29	21-Feb-24	16:34	0.438	0.188	0.044
Acid Leachable SO4-S [%]	30-Jan-24	08:45	21-Feb-24	16:34	0.21	0.12	< 0.04
Sulphide [%]	25-Jan-24	17:02	21-Feb-24	16:34	0.23	0.07	< 0.04
C [%]	25-Jan-24	16:29	29-Jan-24	10:55	1.06	0.812	0.750
CO3 (HCl) as %CO3 [%]	26-Jan-24	13:56	29-Jan-24	10:55	5.25	4.00	3.71

Analysis	8: CAMLM26090 4 CC1-375-112- Mv 1150-Ksc-wa+ Nlj	9: CAMLM26090 6 LW1-375-143- FW3-300-172- KMG	10: CAMLM26090 7
Sample Date & Time	08-Jan-24	08-Jan-24	12-Jan-24
Paste pH [no unit]	8.55	8.33	8.52
Fizz Rate [rating]	3	3	3

Analysis	8:	9:	10:
	CAMLM26090	CAMLM26090	CAMLM26090
	4	6	7
	CC1-375-112-	LW1-375-143-	FW3-300-172-
	Mv 1150-Ksc-wa+		KMG
	Nlj		
Sample weight [g]	1.97	1.99	2.04
HCl_add [mL]	93.80	62.00	61.50
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	34.26	23.85	21.75
Final pH [no unit]	1.64	1.55	1.57
NP [t CaCO3/1000 t]	151	95.9	97.4
AP [t CaCO3/1000 t]	2.19	13.8	110
Net NP [t CaCO3/1000 t]	149	82.2	-12.60
NP/AP [ratio]	69.1	6.97	0.89
S [%]	0.132	0.486	3.94
Acid Leachable SO4-S [%]	0.06	0.05	0.42
Sulphide [%]	0.07	0.44	3.52
C [%]	4.40	1.67	3.57
CO3 (HCl) as %CO3 [%]	21.9	6.84	7.70

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

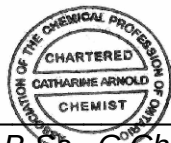
*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*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

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: ECS0085-JAN24													
Carbon (total)	0.005	%	<0.005			2	20				104	70	13
Sulphur (total)	0.005	%	<0.005			11	20				103	70	13
Carbon/Sulphur - QCBatchID: ECS0086-JAN24													
Sulphide	0.04	%	< 0.01			ND	20	112	80	120			
Carbon/Sulphur - QCBatchID: ECS0089-JAN24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	102	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock UG TIR

Project : PO#1254179

17-June-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. : 23 January 2024

LR Report: CA19203-JAN24

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: CAML26090 1 CC1-475-109- Ksc-wa	6: CAML26090 2 DP1-325-160- Ksc-wa	7: CAML26090 3 DL1-425-135- Ksc-wa+Nlj
Sample Date & Time					04-Jan-24	04-Jan-24	06-Jan-24
Sample weight [g]	24-Jan-24	06:43	26-Jan-24	16:58	250	251	249
Volume D.I. Water [mL]	25-Jan-24	08:04	26-Jan-24	16:58	750	750	750
pH [no unit]	26-Jan-24	06:52	26-Jan-24	16:58	8.99	9.19	9.54
pH [No unit]	25-Jan-24	15:19	26-Jan-24	10:51	8.08	8.57	8.23
Conductivity [uS/cm]	25-Jan-24	15:19	26-Jan-24	10:51	122	185	126
Alkalinity [mg/L as CaCO3]	25-Jan-24	15:19	26-Jan-24	10:51	44	47	29
SO4 [mg/L]	25-Jan-24	15:05	25-Jan-24	19:27	2	3	2
Hg (diss) [mg/L]	26-Jan-24	15:57	29-Jan-24	10:47	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	1.10	0.936	1.25
As (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.0013	0.0048	0.0073
Ba (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.00306	0.00217	0.00262
B (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.046	0.064	0.022
Be (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	11.1	9.07	6.72
Cd (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.000008	0.000006	0.000008
Co (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.000012	0.00105	0.000027
Cr (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.002	< 0.002	< 0.002
Fe (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.007	0.010	< 0.007
K (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	3.54	8.96	5.56
Li (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.0006	0.0015	0.0010
Mg (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.741	1.40	0.433
Mn (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.00085	0.00133	0.00046
Mo (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.00055	0.00048	< 0.0004
Na (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	7.53	12.2	11.1

Online LIMS

0003749081

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR

Project : PO#1254179

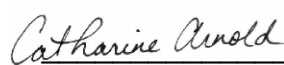
LR Report : CA19203-JAN24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26090 1 CC1-475-109- Ksc-wa	6: CAMLM26090 2 DP1-325-160- Ksc-wa	7: CAMLM26090 3 DL1-425-135- Ksc-wa+Nlj
Ni (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.0001	0.0002	< 0.0001
Pb (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.0013	0.0032	0.0037
Se (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.00004	0.00008	0.00005
Si (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.53	1.08	1.68
Sn (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.130	0.0478	0.0991
Ti (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.0001	< 0.0001	0.00021
Tl (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.000005	0.000007	< 0.000005
U (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.000006	0.000078	0.000202
V (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.00021	0.00083	0.00254
W (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	0.00121	0.00125	0.00092
Y (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	26-Jan-24	11:43	02-Feb-24	11:43	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM26090 4 CC1-375-112- Mv 1150-Ksc-wa+ Nlj	9: CAMLM26090 6 LW1-375-143- FW3-300-172- KMG	10: CAMLM26090 7
Sample Date & Time	08-Jan-24	08-Jan-24	12-Jan-24
Sample weight [g]	251	251	250
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.85	8.75	8.56
pH [No unit]	8.41	7.70	7.99
Conductivity [uS/cm]	468	290	472
Alkalinity [mg/L as CaCO3]	73	53	58
SO4 [mg/L]	11	6	30
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	0.00006
Al (diss) [mg/L]	0.449	0.485	0.354
As (diss) [mg/L]	0.0925	0.0081	0.169
Ba (diss) [mg/L]	0.00428	0.00467	0.00441
B (diss) [mg/L]	0.056	0.111	0.112
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	17.1	18.8	20.8
Cd (diss) [mg/L]	0.000010	0.000014	0.000006
Co (diss) [mg/L]	0.000189	0.000206	0.000062
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.002	< 0.002	< 0.002
Fe (diss) [mg/L]	< 0.007	0.015	< 0.007

Analysis	8: CAMLM26090 4 CC1-375-112- Mv 1150-Ksc-wa+ Nlj	9: CAMLM26090 6 LW1-375-143- FW3-300-172- KMG	10: CAMLM26090 7
K (diss) [mg/L]	15.6	3.22	13.9
Li (diss) [mg/L]	0.0013	0.0003	0.0028
Mg (diss) [mg/L]	9.06	2.51	5.37
Mn (diss) [mg/L]	0.00383	0.00182	0.00438
Mo (diss) [mg/L]	< 0.0004	0.00179	0.00762
Na (diss) [mg/L]	37.3	25.7	44.2
Ni (diss) [mg/L]	0.0009	0.0004	0.0006
Pb (diss) [mg/L]	< 0.00009	0.00043	< 0.00009
Sb (diss) [mg/L]	0.0045	0.0015	0.0354
Se (diss) [mg/L]	0.00022	0.00010	0.00193
Si (diss) [mg/L]	0.98	0.61	1.21
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0719	0.302	0.139
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000023	< 0.000005	0.000020
U (diss) [mg/L]	0.000010	0.000033	0.000186
V (diss) [mg/L]	0.00100	0.00007	0.00087
W (diss) [mg/L]	0.00275	0.00087	0.00109
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 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

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: EWL0456-JAN24													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5059-JAN24													
Sulphate	2	mg/L	<2			4	20	105	80	120	109	75	125
Conductivity - QCBatchID: EWL0456-JAN24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0055-JAN24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	102	80	120	113	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0256-JAN24													
Aluminum (dissolved)	0.001	mg/L	<0.001			6	20	95	90	110	97	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	109	90	110	106	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			8	20	96	90	110	107	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	95	90	110	80	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			10	20	102	90	110	97	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			15	20	98	90	110	92	70	130
Boron (dissolved)	0.002	mg/L	<0.002			3	20	95	90	110	101	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			11	20	99	90	110	104	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			4	20	99	90	110	96	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			17	20	100	90	110	99	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	100	90	110	97	70	130
Copper (dissolved)	0.002	mg/L	<0.002			3	20	98	90	110	91	70	130
Iron (dissolved)	0.007	mg/L	<0.007			4	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			11	20	95	90	110	93	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			8	20	103	90	110	94	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	98	90	110	91	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	99	90	110	91	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	97	90	110	100	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			1	20	99	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			5	20	99	90	110	88	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			9	20	95	90	110	115	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	103	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	105	90	110	76	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	98	90	110	102	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			3	20	96	90	110	96	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	97	90	110	96	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	95	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			20	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	95	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			8	20	95	90	110	100	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			6	20	99	90	110	103	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			3	20	97	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			7	20	98	90	110	123	70	130
pH - QCBatchID: EWL0456-JAN24													
pH	0.05	No unit	NA			1		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock UG TIR

Project : PO#1380289

17-June-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 February 2024

LR Report: CA19228-FEB24

Reference: PO#1380289

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: CAMLM26090 9 DP1-525-107- KSC-WA	6: CAMLM26091 0 FW1-525-E-M V	7: CAMLM29137 6 DP1-325-176- KSC-WA
Sample Date & Time					12-Feb-24	12-Feb-24	22-Feb-24
Paste pH [no unit]	07-Mar-24	07:16	08-Mar-24	14:44	8.89	8.58	9.13
Fizz Rate [rating]	07-Mar-24	07:28	08-Mar-24	14:44	3	3	3
Sample weight [g]	06-Mar-24	19:55	08-Mar-24	14:44	2.01	2.01	1.99
HCl_add [mL]	08-Mar-24	06:29	08-Mar-24	14:44	102.10	104.60	27.30
HCl [Normality]	07-Mar-24	08:24	08-Mar-24	14:44	0.10	0.10	0.10
NaOH [Normality]	07-Mar-24	08:24	08-Mar-24	14:44	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	08-Mar-24	12:57	08-Mar-24	14:44	23.06	24.38	10.62
Final pH [no unit]	08-Mar-24	08:30	08-Mar-24	14:44	1.81	1.72	1.80
NP [t CaCO3/1000 t]	08-Mar-24	12:57	08-Mar-24	14:44	197	200	41.9
AP [t CaCO3/1000 t]	08-Mar-24	14:44	08-Mar-24	14:44	5.62	2.81	1.25
Net NP [t CaCO3/1000 t]	08-Mar-24	14:44	08-Mar-24	14:44	191	197	40.6
NP/AP [ratio]	08-Mar-24	14:44	08-Mar-24	14:44	35.0	71.0	33.5
S [%]	08-Mar-24	08:31	08-Mar-24	09:36	0.289	0.077	0.061
Acid Leachable SO4-S [%]	08-Mar-24	08:34	08-Mar-24	09:36	0.11	< 0.04	0.05
Sulphide [%]	07-Mar-24	12:06	08-Mar-24	09:36	0.18	0.09	< 0.04
C [%]	08-Mar-24	08:31	08-Mar-24	09:36	3.88	2.95	0.637
CO3 (HCl) as %CO3 [%]	08-Mar-24	08:37	08-Mar-24	09:36	19.3	14.6	2.92

Analysis	8: CAMLM29137 7 DP1-325-176- KSC-WA	9: CAMLM29137 8 CC1-450-111- MV	10: CAMLM29137 9 FW1-500-E-M V	11: CAMLM29138 0 EXD-425-W-K WA-S	12: CAMLM29138 1 EXD-425-W-K WA-S
Sample Date & Time	22-Feb-24	22-Feb-24	23-Feb-24	25-Feb-24	25-Feb-24
Paste pH [no unit]	8.99	9.05	8.94	9.67	9.65
Fizz Rate [rating]	3	3	3	3	3
Sample weight [g]	1.99	1.98	2.01	2.02	2.00
HCl_add [mL]	27.40	91.50	89.80	20.00	24.00

Analysis	8: CAML29137 7 DP1-325-176- KSC-WA	9: CAML29137 8 CC1-450-111- MV	10: CAML29137 9 FW1-500-E-M V	11: CAML29138 0 EXD-425-W-K WA-S	12: CAML29138 1 EXD-425-W-K WA-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]	11.12	22.77	18.50	14.06	9.80
Final pH [no unit]	1.74	1.64	1.72	1.17	1.72
NP [t CaCO ₃ /1000 t]	40.9	174	177	14.7	35.5
AP [t CaCO ₃ /1000 t]	1.25	2.19	1.88	3.12	2.50
Net NP [t CaCO ₃ /1000 t]	39.6	171	176	11.6	33.0
NP/AP [ratio]	32.7	79.4	94.6	4.70	14.2
S [%]	0.115	0.080	0.060	0.097	0.155
Acid Leachable SO ₄ -S [%]	0.08	< 0.04	< 0.04	< 0.04	0.08
Sulphide [%]	0.04	0.07	0.06	0.10	0.08
C [%]	0.685	2.10	2.37	0.120	0.369
CO ₂ (HCl) as %CO ₂ [%]	3.04	10.4	11.8	0.47	1.69

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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.

Revised report with QC Report added.

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



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: ECS0015-MAR24													
Carbon (total)	0.005	%	<0.005			5	20				97	70	130
Sulphur (total)	0.005	%	<0.005			5	20				103	70	130
Carbon/Sulphur - QCBatchID: ECS0020-MAR24													
Sulphide	0.04	%	< 0.01			1	20	110	80	120			
Carbon/Sulphur - QCBatchID: ECS0023-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

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, Nunavut
X0C 0A0, Canada

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

11-June-2024

Date Rec. : 29 February 2024
LR Report: CA19229-FEB24
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: CAMLM260909 DP1-525-107-KS C-WA	6: CAMLM260910 FW1-525-E-MV	7: CAMLM291376 DP1-325-176-KS C-WA	8: CAMLM291377 DP1-325-176-KS C-WA	9: CAMLM291378 CC1-450-111-MV	10: CAMLM291379 FW1-500-E-MV	11: CAMLM291380 EXD-425-W-KW A-S	12: CAMLM291381 EXD-425-W-KW A-S
Sample Date & Time					12-Feb-24	12-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	23-Feb-24	25-Feb-24	25-Feb-24
Ag [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	65000	73000	66000	67000	68000	71000	74000	76000
As [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	1200	140	240	280	8.7	29	8.0	3.8
Ba [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	190	190	620	650	420	75	230	540
Be [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	1.5	0.66	1.5	1.5	0.61	0.37	0.56	0.51
Bi [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	< 0.09	< 0.09	0.19	0.16	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	86000	77000	10000	10000	66000	68000	61000	51000
Cd [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	0.32	0.10	0.15	0.16	0.18	0.11	0.15	0.10
Co [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	40	45	24	27	40	57	52	45
Cr [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	88	88	61	58	47	81	80	84
Cu [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	98	140	57	70	94	120	160	110
Fe [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	64000	73000	51000	48000	73000	76000	100000	92000
K [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	19000	10000	23000	24000	4100	3800	4900	9500
Li [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	27	60	33	32	39	75	40	57
Mg [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	18000	26000	15000	15000	28000	38000	35000	34000
Mn [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	1700	1600	330	320	1900	1500	1700	1500
Mo [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	1.5	0.3	2.0	1.5	1.4	0.3	2.3	0.8
Ni [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	110	130	76	79	54	150	74	68
P [µg/g]	12-Mar-24	13:00	05-Jun-24	09:22	200	180	470	510	410	190	390	420
Pb [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	19	6	11	10	4	3	12	10

Online LIMS



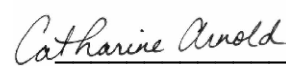
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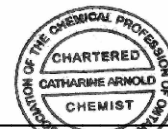
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : CA19229-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM260909 DP1-525-107-KS C-WA	6: CAMLM260910 FW1-525-E-MV C-WA	7: CAMLM291376 DP1-325-176-KS C-WA	8: CAMLM291377 DP1-325-176-KS C-WA	9: CAMLM291378 CC1-450-111-MV FW1-500-E-MV	10: CAMLM291379 EXD-425-W-KW	11: CAMLM291380 EXD-425-W-KW A-S	12: CAMLM291381 EXD-425-W-KW A-S
Sb [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	1.4	0.9	< 0.8	< 0.8	< 0.8	0.9	1.5	1.0
Se [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	0.5	0.4	0.2	0.3	0.3	0.3	0.5	0.4
Sn [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	170	120	150	150	190	110	370	330
Ti [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	3500	2300	3900	3800	6500	2700	7600	7100
Tl [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	0.59	0.39	0.50	0.53	0.15	0.26	0.22	0.42
U [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	0.080	0.068	1.8	1.7	0.28	0.046	0.20	0.35
V [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	200	210	99	96	220	200	280	250
Y [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	8.0	9.4	5.1	5.4	22	8.5	21	20.0
Zn [µg/g]	12-Mar-24	13:00	13-Mar-24	11:40	100	96	81	78	130	85	120	110

Revised report with P and QC Report added.


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



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: EMS0097-MAR24													
Calcium	3	µg/g	<3			3		100			90		
Phosphorus	3	µg/g	<3			6		101			86		
Potassium	3	µg/g	<3			6		104			89		
Metals - Microwave/ICP-MS - QCBatchID: EMS0097-MAR24													
Aluminum	3	µg/g	<3			3	20	92	70	130	99	70	130
Antimony	0.8	µg/g	<0.8			5	20	90	70	130	116	70	130
Arsenic	0.5	µg/g	<0.5			8	20	105	70	130	91	70	130
Barium	0.01	µg/g	<0.01			2	20	107	70	130	106	70	130
Beryllium	0.02	µg/g	<0.02			1	20	100	70	130	89	70	130
Bismuth	0.09	µg/g	<0.09			0	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	105	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	107	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			2	20	105	70	130	90	70	130
Copper	0.1	µg/g	<0.1			7	20	108	70	130	99	70	130
Iron	3	µg/g	<3			1	20	101	70	130	91	70	130
Lead	0.05	µg/g	<0.05			3	20	105	70	130	106	70	130
Lithium	2	µg/g	<2			1	20	100	70	130	103	70	130
Magnesium	3	µg/g	<3			2	20	104	70	130	91	70	130
Manganese	0.1	µg/g	<0.1			5	20	103	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			7	20	101	70	130	90	70	130
Nickel	0.1	µg/g	<0.1			1	20	106	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			ND	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	104	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	104	70	130	100	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			6	20	102	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	100	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			3	20	105	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	104	70	130	90	70	130
Yttrium	0.004	µg/g	<0.004			10	20	104	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	107	70	130	94	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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mel

Works #: Waste Rock UG TIR

Project : PO#1254179

17-June-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 February 2024

LR Report: CA19230-FEB24

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: CAML26090 9 DP1-525-107- KSC-WA	6: CAML26091 0 FW1-525-E-M V	7: CAML29137 6 DP1-325-176- KSC-WA
Sample Date & Time					12-Feb-24	12-Feb-24	22-Feb-24
Sample weight [g]	06-Mar-24	12:50	08-Mar-24	09:44	250	252	249
Volume D.I. Water [mL]	07-Mar-24	06:56	08-Mar-24	09:44	750	750	750
pH [no unit]	08-Mar-24	07:18	08-Mar-24	09:44	8.94	8.77	9.12
pH [No unit]	08-Mar-24	09:25	11-Mar-24	11:56	8.41	8.66	8.47
Conductivity [uS/cm]	08-Mar-24	09:25	11-Mar-24	11:56	204	462	310
Alkalinity [mg/L as CaCO ₃]	08-Mar-24	09:25	11-Mar-24	11:56	56	69	40
SO ₄ [mg/L]	11-Mar-24	11:31	12-Mar-24	17:31	3	8	8
Hg (diss) [mg/L]	11-Mar-24	12:15	11-Mar-24	15:55	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.701	0.469	0.859
As (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.0695	0.0267	0.0399
Ba (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.00085	0.00747	0.00253
B (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.182	0.481	0.066
Be (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.000008	< 0.000007	< 0.000007
Bi (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	10.8	20.8	10.9
Cd (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.000138	0.000256	0.000194
Cr (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.00008	< 0.00008	0.00014
Cu (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	8.70	8.76	12.6
Li (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.0021	0.0022	0.0006
Mg (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	3.60	5.20	2.51
Mn (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.00311	0.00313	0.00055
Mo (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.0004	< 0.0004	0.0011
Na (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	17.0	29.5	35.2
Ni (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.0004	0.0006	0.0002

Online LIMS

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**SGS Canada Inc.**

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Works #: Waste Rock UG TIR

Project : PO#1254179

LR Report : CA19230-FEB24

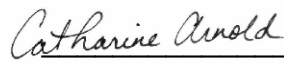
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM26090 9 DP1-525-107- KSC-WA	6: CAMLM26091 0 FW1-525-E-M V	7: CAMLM29137 6 DP1-325-176- KSC-WA
Pb (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.0096	0.0087	0.0043
Se (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.00029	0.00010	0.00008
Si (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	1.03	1.02	1.32
Sn (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.0781	2.75	0.0623
Ti (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.0001	< 0.0001	0.0002
Tl (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.000019	0.000075	0.000018
U (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.000054	0.000002	0.000029
V (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.00116	0.00048	0.00160
W (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	0.00336	0.00484	0.00267
Y (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	11-Mar-24	16:38	13-Mar-24	13:07	< 0.002	< 0.002	< 0.002

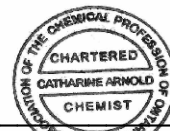
Analysis	8: CAMLM29137 7 DP1-325-176- KSC-WA	9: CAMLM29137 8 CC1-450-111- MV	10: CAMLM29137 9 FW1-500-E-M V	11: CAMLM29138 0 EXD-425-W-K WA-S	12: CAMLM29138 1 EXD-425-W-K WA-S
Sample Date & Time	22-Feb-24	22-Feb-24	23-Feb-24	25-Feb-24	25-Feb-24
Sample weight [g]	250	252	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.08	9.30	9.09	9.29	9.46
pH [No unit]	8.58	8.16	8.39	8.40	8.90
Conductivity [uS/cm]	406	210	166	227	217
Alkalinity [mg/L as CaCO3]	39	28	37	25	28
SO4 [mg/L]	12	5	3	6	6
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]	0.740	0.781	0.706	0.605	0.626
As (diss) [mg/L]	0.0193	0.0017	0.0010	0.0045	0.0028
Ba (diss) [mg/L]	0.00348	0.0263	0.00085	0.0156	0.0308
B (diss) [mg/L]	0.110	0.052	0.054	0.063	0.069
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]	13.2	8.88	10.3	7.58	6.52
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000176	0.000026	0.000052	0.000026	0.000030
Cr (diss) [mg/L]	0.00010	0.00008	< 0.00008	0.00009	0.00010
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.007
K (diss) [mg/L]	13.6	6.93	2.90	9.38	12.2
Li (diss) [mg/L]	0.0008	0.0003	0.0006	0.0015	0.0029
Mg (diss) [mg/L]	3.35	1.04	1.99	0.886	0.685

Analysis	8: CAML29137 7 DP1-325-176- KSC-WA	9: CAML29137 8 CC1-450-111- MV	10: CAML29137 9 FW1-500-E-M V	11: CAML29138 0 EXD-425-W-K WA-S	12: CAML29138 1 EXD-425-W-K WA-S
Mn (diss) [mg/L]	0.00083	0.00078	0.00071	0.00041	0.00037
Mo (diss) [mg/L]	0.0015	< 0.0004	< 0.0004	0.0007	0.0007
Na (diss) [mg/L]	45.3	24.4	15.6	27.0	25.0
Ni (diss) [mg/L]	0.0002	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]	0.0034	0.0028	0.0010	0.0059	0.0057
Se (diss) [mg/L]	0.00014	< 0.00004	< 0.00004	0.00012	0.00010
Si (diss) [mg/L]	1.31	0.99	0.80	1.90	1.97
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0753	0.0956	0.0735	0.0913	0.0932
Ti (diss) [mg/L]	0.0002	< 0.0001	< 0.0001	0.0003	0.0002
Tl (diss) [mg/L]	0.000027	0.000016	0.000020	0.000017	0.000011
U (diss) [mg/L]	0.000023	0.000011	0.000019	0.000004	0.000099
V (diss) [mg/L]	0.00125	0.00202	0.00060	0.00547	0.00576
W (diss) [mg/L]	0.00325	0.00308	0.00087	0.00276	0.00274
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

Revised report with QC Report added.


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



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: EWL0138-MAR24													
Alkalinity	2	mg/L as Ca	< 2			1	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5024-MAR24													
Sulphate	2	mg/L	<2			2	20	107	80	120	109	75	125
Anions by discrete analyzer - QCBatchID: DIO5025-MAR24													
Sulphate	2	mg/L	<2			9	20	110	80	120	113	75	125
Conductivity - QCBatchID: EWL0138-MAR24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0018-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	92	80	120	NV	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0087-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			5	20	99	90	110	109	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			0	20	107	90	110	90	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	99	90	110	105	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	100	90	110	128	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	102	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	88	70	130
Boron (dissolved)	0.002	mg/L	<0.002			2	20	99	90	110	102	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			6	20	99	90	110	99	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			6	20	101	90	110	99	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	98	90	110	105	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	99	90	110	101	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	111	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			3	20	104	90	110	104	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			3	20	98	90	110	128	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			7	20	99	90	110	124	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			5	20	95	90	110	81	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			5	20	97	90	110	91	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			1	20	98	90	110	104	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			6	20	98	90	110	96	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			0	20	96	90	110	107	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	98	90	110	70	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			5	20	99	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			4	20	100	90	110	97	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			13	20	102	90	110	99	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	95	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	103	90	110	115	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	99	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	98	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	112	70	130
pH - QCBatchID: EWL0138-MAR24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock UG TIR

Project : PO#1254179

20-June-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. : 01 April 2024

LR Report: CA19608-APR24

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: CAML306251 CC1-350-138-Ks c-wa	6: CAML306252 FW1-500-111-Mv	7: CAML306253 FW1-525-E-Mv	8: CAML306254 FW1-525-E-Mv DUP
Sample Date & Time					17-Mar-24	17-Mar-24	17-Mar-24	17-Mar-24
Paste pH [no unit]	16-Apr-24	07:28	18-Apr-24	16:15	9.63	9.63	8.65	8.52
Fizz Rate [rating]	16-Apr-24	14:25	18-Apr-24	16:15	4	4	4	4
Sample weight [g]	16-Apr-24	07:28	18-Apr-24	16:15	2.00	2.03	2.01	2.05
HCl_add [mL]	18-Apr-24	09:30	18-Apr-24	16:15	47.90	40.00	82.30	78.80
HCl [Normality]	17-Apr-24	09:30	18-Apr-24	16:15	0.10	0.10	0.10	0.10
NaOH [Normality]	17-Apr-24	09:30	18-Apr-24	16:15	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	18-Apr-24	09:49	18-Apr-24	16:15	22.85	24.97	23.66	24.60
Final pH [no unit]	18-Apr-24	09:30	18-Apr-24	16:15	1.62	1.48	1.66	1.61
NP [t CaCO3/1000 t]	18-Apr-24	09:49	18-Apr-24	16:15	62.6	37.0	146	132
AP [t CaCO3/1000 t]	18-Apr-24	09:49	18-Apr-24	16:16	1.25	1.25	5.00	2.19
Net NP [t CaCO3/1000 t]	18-Apr-24	09:49	18-Apr-24	16:16	61.4	35.8	141	130
NP/AP [ratio]	18-Apr-24	09:49	18-Apr-24	16:16	50.1	29.6	29.2	60.4
S [%]	12-Apr-24	07:30	16-Apr-24	09:28	0.230	0.086	0.202	0.118
Acid Leachable SO4-S [%]	15-Apr-24	09:04	16-Apr-24	09:28	0.19	0.06	0.04	0.05
Sulphide [%]	12-Apr-24	09:57	16-Apr-24	09:28	0.04	< 0.04	0.16	0.07
C [%]	12-Apr-24	07:30	16-Apr-24	09:04	1.01	0.424	1.72	1.61
CO3 (HCl) as %CO3 [%]	12-Apr-24	08:39	16-Apr-24	09:04	4.83	2.01	8.44	7.89

Analysis	9: CAML306255 CC1-425-112-Mv	10: CAML306256 FW1-375-155-Ks c-wa	11: CAML306257 RP5-200-225-Mv
Sample Date & Time	24-Mar-24	24-Mar-24	24-Mar-24
Paste pH [no unit]	9.11	8.88	8.90
Fizz Rate [rating]	4	4	4
Sample weight [g]	2.03	2.02	2.02
HCl_add [mL]	145.40	40.00	85.40
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	23.09	16.30	23.85
Final pH [no unit]	1.59	1.71	1.65
NP [t CaCO3/1000 t]	301	58.7	152
AP [t CaCO3/1000 t]	1.25	1.25	1.25
Net NP [t CaCO3/1000 t]	300	57.4	151

**SGS Canada Inc.**

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mel

Works #: Waste Rock UG TIR**Project :** PO#1254179**LR Report :** CA19608-APR24

Analysis	9:	10:	11:
	CAMLM306255	CAMLM306256	CAMLM306257
	CC1-425-112-Mv	FW1-375-155-KsRP5-200-225-Mv	c-wa
NP/AP [ratio]	241	47.0	122
S [%]	0.064	0.092	0.080
Acid Leachable SO ₄ -S [%]	< 0.04	0.05	0.04
Sulphide [%]	0.04	0.04	0.04
C [%]	4.12	0.817	1.77
CO ₃ (HCl) as %CO ₃ [%]	20.4	3.93	8.71

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0038-APR24													
Carbon (total)	0.005	%	<0.005			0	20				101	70	130
Sulphur (total)	0.005	%	<0.005			3	20				97	70	130
Carbon/Sulphur - QCBatchID: ECS0042-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0043-APR24													
Sulphide	0.04	%	< 0.01			11	20	110	80	120			
Carbon/Sulphur - QCBatchID: ECS0049-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0050-APR24													
Carbon (total)	0.005	%	<0.005			1	20				97	70	130
Sulphur (total)	0.005	%	<0.005			7	20				101	70	130
Carbon/Sulphur - QCBatchID: ECS0053-APR24													
Sulphide	0.04	%	< 0.01			3	20	99	80	120			



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 UG TIR
Project : PO#1254179

19-June-2024

Date Rec. : 01 April 2024
LR Report: CA19609-APR24
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: CAML306251 DS2-350-138-Ks c-wa	6: CAML306252 CC1-500-111-Mv	7: CAML306253 FW1-525-E-Mv	8: CAML306254 FW1-525-E-Mv DUP	9: CAML306255 CC1-425-112-Mv	10: CAML306256 FW1-375-155-Ks c-wa	11: CAML306257 RP5-200-225-Mv
Sample Date & Time					17-Mar-24	17-Mar-24	17-Mar-24	17-Mar-24	24-Mar-24	24-Mar-24	24-Mar-24
Ag [µg/g]	18-Apr-24	11:50	23-Apr-24	12:40	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	18-Apr-24	11:50	23-Apr-24	12:40	79000	84000	80000	84000	53000	71000	81000
As [µg/g]	07-May-24	12:30	08-May-24	11:29	130	8.4	7.7	10	24	29	13
Ba [µg/g]	18-Apr-24	11:50	08-May-24	11:29	930	820	44	19	40	560	9
Be [µg/g]	18-Apr-24	11:50	23-Apr-24	12:40	1.4	1.6	0.26	0.33	0.33	1.1	0.32
Bi [µg/g]	18-Apr-24	11:50	23-Apr-24	12:40	0.22	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	18-Apr-24	11:50	23-Apr-24	12:40	19000	15000	74000	75000	75000	17000	75000
Cd [µg/g]	18-Apr-24	11:50	23-Apr-24	12:40	0.08	0.06	0.10	0.12	0.12	0.08	0.12
Co [µg/g]	18-Apr-24	11:50	23-Apr-24	12:40	9.6	12	59	57	59	12	48
Cr [µg/g]	18-Apr-24	11:50	08-May-24	11:29	26	35	79	100	380	26	96
Cu [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	30	13	130	130	140	29	93
Fe [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	58000	64000	80000	78000	82000	56000	78000
K [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	22000	18000	1400	1100	1400	16000	280
Li [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	22	39	74	67	36	28	67
Mg [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	8500	8400	37000	35000	47000	10000	44000
Mn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	250	290	1600	1600	1500	340	1600
Mo [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	1.2	0.9	0.4	0.2	0.5	1.4	0.3
Ni [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	24	28	140	160	240	27	130
P [µg/g]	07-May-24	12:30	05-Jun-24	09:36	400	580	250	220	200	420	190
Pb [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	7	6	5	4	6	7	7



SGS Canada Inc.

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mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : CA19609-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML306251 DS2-350-138-Ks c-wa	6: CAML306252 CC1-500-111-Mv	7: CAML306253 FW1-525-E-Mv	8: CAML306254 FW1-525-E-Mv DUP	9: CAML306255 CC1-425-112-Mv	10: CAML306256 FW1-375-155-Ks c-wa	11: CAML306257 RP5-200-225-Mv
Sb [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	< 0.8	< 0.8	1.4	1.5	0.9	< 0.8	1.2
Se [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	0.2	0.1	0.5	0.5	0.2	< 0.1	0.3
Sn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	240	280	190	170	110	240	110
Ti [µg/g]	18-Apr-24	11:50	08-May-24	11:29	2200	3400	1800	2700	3600	2300	3000
Tl [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	0.46	0.37	0.07	0.05	0.06	0.33	< 0.02
U [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	1.2	1.1	0.085	0.063	0.095	1.0	0.12
V [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	43	57	250	240	190	45	210
Y [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	4.5	4.9	18	16	3.2	3.9	15
Zn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:41	51	57	96	96	96	76	88

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite

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

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: EMS0049-MAY24													
Phosphorus	3	µg/g	<3			3		100					
QCR_SubCategory - QCBatchID: EMS0181-APR24													
Calcium	3	µg/g	<3			1		103			90		
Potassium	3	µg/g	<3			5		102			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0049-MAY24													
Arsenic	0.5	µg/g	<0.5			4	20	102	70	130			
Metals - Microwave/ICP-MS - QCBatchID: EMS0181-APR24													
Aluminum	3	µg/g	<3			4	20	103	70	130	104	70	130
Antimony	0.8	µg/g	<0.8			ND	20	104	70	130	120	70	130
Barium	0.01	µg/g	<0.01			6	20	93	70	130	109	70	130
Beryllium	0.02	µg/g	<0.02			4	20	97	70	130	99	70	130
Bismuth	0.09	µg/g	<0.09			6	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			1	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			16	20	98	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			17	20	100	70	130	99	70	130
Copper	0.1	µg/g	<0.1			6	20	97	70	130	108	70	130
Iron	3	µg/g	<3			2	20	103	70	130	98	70	130
Lead	0.05	µg/g	<0.05			7	20	96	70	130	112	70	130
Lithium	2	µg/g	<2			1	20	96	70	130	116	70	130
Magnesium	3	µg/g	<3			4	20	99	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			2	20	97	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	98	70	130	102	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	113	70	130
Selenium	0.1	µg/g	<0.1			11	20	95	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	95	70	130	101	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	97	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	91	70	130	85	70	130
Uranium	0.002	µg/g	<0.002			10	20	102	70	130	105	70	130
Vanadium	1	µg/g	<1			4	20	97	70	130	103	70	130
Yttrium	0.004	µg/g	<0.004			3	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	101	70	130	103	70	130

20-June-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. : 01 April 2024
LR Report: CA19610-APR24
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: CAMLM306251 DS2-350-138-Ks c-wa	6: CAMLM306252 CC1-500-111-Mv	7: CAMLM306253 FW1-525-E-Mv	8: CAMLM306254 FW1-525-E-Mv DUP	9: CAMLM306255 CC1-425-112-Mv	10: CAMLM306256 FW1-375-155-Ks c-wa	11: CAMLM306257 RP5-200-225-Mv
Sample Date & Time					17-Mar-24	17-Mar-24	17-Mar-24	17-Mar-24	24-Mar-24	24-Mar-24	24-Mar-24
Sample weight [g]	12-Apr-24	13:11	16-Apr-24	16:25	251	250	250	251	251	251	250
Volume D.I. Water [mL]	14-Apr-24	09:30	16-Apr-24	16:25	750	750	750	750	750	750	750
pH [no unit]	15-Apr-24	09:24	16-Apr-24	16:25	9.12	9.46	9.06	8.97	9.00	9.10	9.39
pH [No unit]	15-Apr-24	15:22	16-Apr-24	11:35	8.42	8.77	7.85	7.80	8.62	8.63	8.67
Conductivity [uS/cm]	15-Apr-24	15:22	16-Apr-24	11:35	172	177	435	624	219	373	235
Alkalinity [mg/L as CaCO3]	15-Apr-24	15:22	16-Apr-24	11:35	67	49	22	14	84	55	36
SO4 [mg/L]	15-Apr-24	19:37	16-Apr-24	13:46	< 2	< 2	74	200	< 2	6	3
Hg (diss) [mg/L]	15-Apr-24	16:57	16-Apr-24	11:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	1.14	1.51	0.524	0.477	0.317	0.777	0.684
As (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.0038	0.0022	0.0006	0.0008	0.0008	0.0053	0.0031
Ba (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.00636	0.00382	0.00752	0.00750	0.00345	0.00577	0.00233
B (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.143	0.200	0.236	0.214	0.092	0.133	0.244
Be (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000017	< 0.000007
Bi (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	10.6	6.65	29.2	67.7	13.7	13.4	8.93
Cd (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.000034	0.000108	0.000192	0.000189	0.000151	0.000086	0.000179
Cr (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM306251 DS2-350-138-Ks c-wa	6: CAMLM306252 CC1-500-111-Mv	7: CAMLM306253 FW1-525-E-Mv	8: CAMLM306254 FW1-525-E-Mv DUP	9: CAMLM306255 CC1-425-112-Mv	10: CAMLM306256 FW1-375-155-Ks c-wa	11: CAMLM306257 RP5-200-225-Mv
K (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	17.3	16.3	4.18	2.92	3.01	18.5	2.26
Li (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.0015	0.0014	0.0014	0.0024	0.0010	0.0027	0.0007
Mg (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	1.92	0.662	4.32	6.77	10.3	3.60	1.80
Mn (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.00092	0.00036	0.00275	0.00862	0.00091	0.00146	0.00051
Mo (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.0006	0.0006	0.0007	0.0006	< 0.0004	0.0008	< 0.0004
Na (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	11.9	17.0	40.5	35.6	12.5	36.9	30.4
Ni (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.0001	0.0001	< 0.0001	< 0.0001	0.0002	0.0001	0.0001
Pb (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.0030	0.0033	0.0021	0.0022	0.0024	0.0056	0.0018
Se (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.00007	< 0.00004	< 0.00004	0.00006	0.00012	0.00005	< 0.00004
Si (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.98	1.30	1.17	1.10	1.06	1.28	1.07
Sn (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.160	0.0684	0.827	1.00	0.0588	0.114	0.0532
Ti (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.000005	0.000012	0.000019	0.000022	0.000026	0.000031	0.000012
U (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.000017	0.000050	0.000005	< 0.000002	0.000009	0.000024	< 0.000002
V (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.00026	0.00141	0.00101	0.00078	0.00044	0.00043	0.00104
W (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	0.00150	0.00231	0.00336	0.00325	0.00175	0.01866	0.00560
Y (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:12	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0356-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8032-APR24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	105	75	125
Conductivity - QCBatchID: EWL0356-APR24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0035-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	97	80	120	114	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0162-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	95	90	110	95	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	110	90	110	106	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	101	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	95	90	110	102	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	116	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	87	70	130
Boron (dissolved)	0.002	mg/L	<0.002			9	20	101	90	110	104	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	101	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	97	90	110	98	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			9	20	98	90	110	100	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	94	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			5	20	92	90	110	98	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	100	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	94	90	110	102	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			6	20	96	90	110	109	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	101	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	97	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	102	90	110	105	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			0	20	92	90	110	99	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	103	90	110	108	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	100	90	110	99	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			4	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	99	90	110	89	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	97	90	110	102	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	96	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			0	20	94	90	110	98	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	93	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			1	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	96	90	110	108	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	94	90	110	106	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	92	90	110	129	70	130
pH - QCBatchID: EWL0356-APR24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock UG TIR

Project : PO#1380289

20-June-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 May 2024

LR Report: CA19014-MAY24

Reference: Meliadine - PO#1380289

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: CAMLC134626 CC0-400-112-Mv	6: CAMLC134627 EG2-200-201-Mv	7: CAMLC134628 CC1-350-112-Mv
Sample Date & Time					17-Apr-24	17-Apr-24	17-Apr-24
Paste pH [no unit]	13-May-24	07:03	16-May-24	09:54	8.95	8.73	8.89
Fizz Rate [rating]	14-May-24	15:37	16-May-24	09:54	4	4	4
Sample weight [g]	10-May-24	09:39	16-May-24	09:54	2.00	2.00	2.02
HCl_add [mL]	15-May-24	14:40	16-May-24	09:54	122.60	95.60	111.00
HCl [Normality]	14-May-24	16:27	16-May-24	09:54	0.10	0.10	0.10
NaOH [Normality]	14-May-24	16:27	16-May-24	09:54	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-May-24	20:17	16-May-24	09:54	18.02	25.04	21.07
Final pH [no unit]	15-May-24	16:25	16-May-24	09:54	1.94	1.55	1.77
NP [t CaCO ₃ /1000 t]	15-May-24	20:17	16-May-24	09:54	261	176	223
AP [t CaCO ₃ /1000 t]	15-May-24	20:17	16-May-24	09:54	1.25	2.50	3.44
Net NP [t CaCO ₃ /1000 t]	15-May-24	20:17	16-May-24	09:54	260	174	219
NP/AP [ratio]	15-May-24	20:17	16-May-24	09:54	209	70.6	64.8
S [%]	13-May-24	12:37	14-May-24	11:36	0.051	0.135	0.210
Acid Leachable SO ₄ -S [%]	14-May-24	11:35	14-May-24	11:36	< 0.04	0.06	0.10
Sulphide [%]	14-May-24	09:58	14-May-24	11:36	0.04	0.08	0.11
C [%]	13-May-24	12:37	14-May-24	10:16	4.00	2.19	4.11
CO ₃ (HCl) as %CO ₃ [%]	14-May-24	09:47	14-May-24	10:16	19.9	10.9	20.4

Analysis	8: CAMLC134629 FW2-375-155-Ks c-wa	9: CAMLC134630 FW2-375-155-Ks c-wa	10: CAMLC134631 FW1-525-E-Mv	11: CAMLC134632 CC1-325-112-Mv
Sample Date & Time	17-Apr-24	12-Apr-24	12-Apr-24	12-Apr-24
Paste pH [no unit]	8.91	9.05	8.64	8.93
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.04	2.01	1.99	2.00
HCl_add [mL]	40.00	40.00	170.20	150.10
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR

Project : PO#1380289

LR Report : CA19014-MAY24

Analysis	8: CAMLC134629 FW2-375-155-Ks c-wa	9: CAMLC134630 FW2-375-155-Ks c-wa	10: CAMLC134631 FW1-525-E-Mv CC1-325-112-Mv	11: CAMLC134632
Vol NaOH to pH=8.3 [mL]	14.97	25.38	67.06	59.09
Final pH [no unit]	1.71	1.51	1.46	1.46
NP [t CaCO ₃ /1000 t]	61.3	36.4	259	228
AP [t CaCO ₃ /1000 t]	2.19	1.25	1.25	1.25
Net NP [t CaCO ₃ /1000 t]	59.1	35.2	258	226
NP/AP [ratio]	28.0	29.1	207	182
S [%]	0.305	0.117	0.088	0.156
Acid Leachable SO ₄ -S [%]	0.24	0.12	0.05	0.12
Sulphide [%]	0.07	< 0.04	0.04	0.04
C [%]	0.883	0.545	3.41	2.99
CO ₃ (HCl) as %CO ₃ [%]	4.28	2.61	16.9	14.8

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0026-MAY24													
Sulphide	0.04	%	< 0.01			10	20	106	80	120			
Carbon/Sulphur - QCBatchID: ECS0040-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0042-MAY24													
Carbon (total)	0.005	%	<0.005			1	20				99	70	
Sulphur (total)	0.005	%	<0.005			4	20				96	70	
											130		



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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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 UP TIR
Project : PO#1380289

20-June-2024

Date Rec. : 02 May 2024
LR Report: CA19015-MAY24
Reference: Meliadine - PO#1380289

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: CAMLC134626 CC0-400-112-Mv	6: CAMLC134627 EG2-200-201-Mv	7: CAMLC134628 CC1-350-112-Mv	8: CAMLC134629 FW2-375-155-Ks c-wa	9: CAMLC134630 FW2-375-155-Ks c-wa	10: CAMLC134631 FW1-525-E-Mv	11: CAMLC134632 CC1-325-112-Mv
Sample Date & Time					17-Apr-24	17-Apr-24	17-Apr-24	17-Apr-24	12-Apr-24	12-Apr-24	12-Apr-24
Ag [µg/g]	16-May-24	11:46	16-May-24	16:53	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	16-May-24	11:46	16-May-24	16:52	52000	66000	53000	63000	54000	66000	69000
As [µg/g]	16-May-24	11:46	16-May-24	16:52	25	19	65	44	6.1	56	4.9
Ba [µg/g]	16-May-24	11:46	16-May-24	16:52	440	37	99	610	620	210	140
Be [µg/g]	16-May-24	11:46	16-May-24	16:52	0.58	0.34	0.43	1.3	1.2	0.32	0.35
Bi [µg/g]	16-May-24	11:46	16-May-24	16:52	< 0.09	< 0.09	< 0.09	0.43	0.14	< 0.09	< 0.09
Ca [µg/g]	16-May-24	11:46	16-May-24	16:52	82000	83000	74000	21000	9600	97000	82000
Cd [µg/g]	16-May-24	11:46	16-May-24	16:52	0.17	0.09	0.15	0.09	0.07	0.11	0.14
Co [µg/g]	16-May-24	11:46	16-May-24	16:52	54	47	53	10	11	42	39
Cr [µg/g]	16-May-24	11:46	16-May-24	16:52	330	180	370	36	41	98	110
Cu [µg/g]	16-May-24	11:46	16-May-24	16:52	150	95	140	26	16	100	110
Fe [µg/g]	16-May-24	11:46	16-May-24	16:52	90000	71000	80000	76000	70000	62000	70000
K [µg/g]	16-May-24	11:46	16-May-24	16:52	6300	650	3200	15000	16000	5200	8200
Li [µg/g]	16-May-24	11:46	16-May-24	16:52	39	44	29	29	32	48	56
Mg [µg/g]	16-May-24	11:46	16-May-24	16:52	43000	26000	45000	11000	11000	25000	35000
Mn [µg/g]	16-May-24	11:46	16-May-24	16:52	2400	2000	1600	330	260	1900	1500
Mo [µg/g]	16-May-24	11:46	16-May-24	16:52	0.2	0.1	0.2	1.6	0.7	0.1	< 0.1
Ni [µg/g]	16-May-24	11:46	16-May-24	16:52	130	130	190	25	30	130	110
P [µg/g]	16-May-24	11:46	12-Jun-24	11:58	230	190	200	470	380	150	180
Pb [µg/g]	16-May-24	11:46	16-May-24	16:52	3	4	3	16	7	5	2

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC134626 CC0-400-112-Mv	6: CAMLC134627 EG2-200-201-Mv	7: CAMLC134628 CC1-350-112-Mv	8: CAMLC134629 FW2-375-155-Ks c-wa	9: CAMLC134630 FW2-375-155-Ks c-wa	10: CAMLC134631 FW1-525-E-Mv	11: CAMLC134632 CC1-325-112-Mv
Sb [µg/g]	16-May-24	11:46	16-May-24	16:52	0.9	0.9	0.9	< 0.8	< 0.8	1.0	< 0.8
Se [µg/g]	16-May-24	11:46	16-May-24	16:52	0.3	0.4	0.4	0.2	0.1	0.3	0.3
Sn [µg/g]	16-May-24	11:46	16-May-24	16:52	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	16-May-24	11:46	16-May-24	16:52	100	110	130	390	190	110	120
Ti [µg/g]	16-May-24	11:46	16-May-24	16:52	4900	3900	4200	2000	2100	2900	2400
Tl [µg/g]	16-May-24	11:46	16-May-24	16:52	0.17	0.04	0.14	0.32	0.34	0.19	0.32
U [µg/g]	16-May-24	11:46	16-May-24	16:52	0.13	0.075	0.12	1.4	1.7	0.068	0.091
V [µg/g]	16-May-24	11:46	16-May-24	16:52	210	210	180	45	51	170	190
Y [µg/g]	16-May-24	11:46	16-May-24	16:52	6.0	13	3.2	3.4	3.9	9.0	7.5
Zn [µg/g]	16-May-24	11:46	16-May-24	16:52	93	86	85	68	68	72	73

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite



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

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: EMS0157-MAY24													
Calcium	3	µg/g	<3			1		99			74		
Phosphorus	3	µg/g	<3			5		97			87		
Potassium	3	µg/g	<3			1		103			91		
Metals - Microwave/ICP-MS - QCBatchID: EMS0157-MAY24													
Aluminum	3	µg/g	<3			1	20	107	70	130	77	70	130
Antimony	0.8	µg/g	<0.8			7	20	101	70	130	108	70	130
Arsenic	0.5	µg/g	<0.5			0	20	108	70	130	104	70	130
Barium	0.01	µg/g	<0.01			1	20	105	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			3	20	103	70	130	81	70	130
Bismuth	0.09	µg/g	<0.09			2	20	107	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			1	20	106	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			2	20	106	70	130	84	70	130
Cobalt	0.01	µg/g	<0.01			3	20	106	70	130	95	70	130
Copper	0.1	µg/g	<0.1			3	20	107	70	130	105	70	130
Iron	3	µg/g	<3			0	20	101	70	130	97	70	130
Lead	0.05	µg/g	<0.05			0	20	105	70	130	102	70	130
Lithium	2	µg/g	<2			1	20	104	70	130	99	70	130
Magnesium	3	µg/g	<3			1	20	107	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			0	20	108	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			4	20	101	70	130	98	70	130
Nickel	0.1	µg/g	<0.1			0	20	110	70	130	112	70	130
Selenium	0.1	µg/g	<0.1			3	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	103	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	106	70	130	95	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	92	70	130	80	70	130
Uranium	0.002	µg/g	<0.002			3	20	99	70	130	90	70	130
Vanadium	1	µg/g	<1			0	20	101	70	130	93	70	130
Yttrium	0.004	µg/g	<0.004			1	20	104	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			4	20	108	70	130	100	70	130

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 UP TIR
Project : PO#1380289

20-June-2024

Date Rec. : 02 May 2024
LR Report: CA19016-MAY24
Reference: Meliadine - PO#1380289

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: CAMLC134626 CC0-400-112-Mv	6: CAMLC134627 EG2-200-201-Mv	7: CAMLC134628 CC1-350-112-Mv	8: CAMLC134629 FW2-375-155-Ks c-wa	9: CAMLC134630 FW2-375-155-Ks c-wa	10: CAMLC134631 FW1-525-E-Mv	11: CAMLC134632 CC1-325-112-Mv
Sample Date & Time					17-Apr-24	17-Apr-24	17-Apr-24	17-Apr-24	12-Apr-24	12-Apr-24	12-Apr-24
Sample weight [g]	10-May-24	12:55	14-May-24	10:52	249	250	249	250	250	250	251
Volume D.I. Water [mL]	13-May-24	09:45	14-May-24	10:52	750	750	750	750	750	750	750
pH [no unit]	14-May-24	09:22	14-May-24	10:52	8.80	9.01	8.78	8.67	8.89	8.81	9.03
pH [No unit]	14-May-24	15:23	15-May-24	14:32	8.14	8.21	8.34	8.04	8.18	8.02	8.04
Conductivity [uS/cm]	14-May-24	15:23	15-May-24	14:32	221	435	360	641	276	411	202
Alkalinity [mg/L as CaCO3]	14-May-24	15:23	15-May-24	14:32	61	34	79	52	56	45	42
SO4 [mg/L]	17-May-24	17:55	22-May-24	14:55	2	9	5	21	5	8	3
Hg (diss) [mg/L]	15-May-24	16:42	16-May-24	09:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.378	0.563	0.322	0.526	0.877	0.572	0.668
As (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0004	0.0017	0.0078	0.0026	0.0017	0.0054	0.0012
Ba (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00767	0.00552	0.00878	0.0114	0.00599	0.00555	0.00265
B (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.023	0.392	0.101	0.167	0.064	0.132	0.058
Be (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	13.3	16.5	15.5	24.8	13.3	18.5	10.8
Cd (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.000008	0.000159	0.000119	0.000067	0.000025	0.000122	0.000054
Cr (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC134626 CC0-400-112-Mv	6: CAMLC134627 EG2-200-201-Mv	7: CAMLC134628 CC1-350-112-Mv	8: CAMLC134629 FW2-375-155-Ks c-wa	9: CAMLC134630 FW2-375-155-Ks c-wa	10: CAMLC134631 FW1-525-E-Mv	11: CAMLC134632 CC1-325-112-Mv
Fe (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	6.64	3.70	7.26	15.2	18.6	7.23	5.89
Li (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0010	0.0007	0.0013	0.0017	0.0015	0.0017	0.0006
Mg (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	6.66	3.20	11.4	5.44	2.36	5.32	2.58
Mn (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00142	0.00172	0.00137	0.00200	0.00085	0.00301	0.00116
Mo (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.0004	0.0006	< 0.0004	0.0016	0.0007	0.0005	< 0.0004
Na (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	15.4	53.4	31.0	72.8	23.4	41.8	19.2
Ni (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001	0.0002	< 0.0001
Pb (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0027	0.0035	0.0043	0.0019	0.0026	0.0030	< 0.0009
Se (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00005	< 0.00004	0.00005	0.00010	0.00006	0.00014	< 0.00004
Si (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.97	1.23	1.25	1.17	1.22	1.00	0.96
Sn (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0734	0.0814	0.0818	0.364	0.0914	0.114	0.0740
Ti (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.000015	0.000015	0.000038	< 0.000005	0.000017	0.000031	0.000022
U (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.000002	< 0.000002	0.000002	0.000031	0.000016	0.000006	0.000005
V (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00037	0.00077	0.00073	0.00016	0.00036	0.00050	0.00063
W (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00115	0.0201	0.00206	0.00157	0.0147	0.00189	0.00095
Y (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0341-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8054-MAY24													
Sulphate	2	mg/L	<2			ND	20	107	80	120	107	75	125
Conductivity - QCBatchID: EWL0341-MAY24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0031-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	112	80	120	126	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0155-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	90	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	111	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			9	20	106	90	110	96	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	100	90	110	95	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	104	90	110	99	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	96	70	130
Boron (dissolved)	0.002	mg/L	<0.002			0	20	98	90	110	100	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	100	90	110	98	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	100	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	107	90	110	91	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	99	90	110	90	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	95	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	100	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	107	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	97	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	105	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	98	90	110	101	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			3	20	103	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	100	90	110	93	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			0	20	101	90	110	112	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	98	90	110	85	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	98	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	104	90	110	98	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			5	20	101	90	110	94	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	99	90	110	96	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	99	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			0	20	103	90	110	103	70	130
pH - QCBatchID: EWL0341-MAY24													
pH	0.05	No unit	NA			0		100			NA		

23-July-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. : 24 June 2024
LR Report: CA19392-JUN24
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: CAML293282 FW1-525-E-MV	7: CAML293284 DP3-300-173-KSSC	8: CAML293285 1-350-159-MV	9: CAML293286 CC1-325-112-M V	10: CAML293287 FW1-175-185-M V	11: CAML293288 CC1-425-112-M V	12: CAML293289 CC1-425-112-M V
Sample Date & Time					15-Jun-24	15-Jun-24	15-Jun-24	16-Jun-24	16-Jun-24	17-Jun-24	17-Jun-24
Paste pH [no unit]	26-Jun-24	10:46	27-Jun-24	15:56	8.80	9.00	8.81	8.67	8.61	8.53	8.92
Fizz Rate [rating]	26-Jun-24	08:35	27-Jun-24	15:56	4	4	4	4	4	4	4
Sample weight [g]	26-Jun-24	07:21	27-Jun-24	15:56	2.03	2.01	2.02	2.02	2.00	1.99	2.01
HCl_add [mL]	27-Jun-24	07:17	27-Jun-24	15:56	104.70	55.00	172.00	202.30	160.40	106.20	90.80
HCl [Normality]	26-Jun-24	08:45	27-Jun-24	15:56	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	26-Jun-24	08:45	27-Jun-24	15:56	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	27-Jun-24	15:13	27-Jun-24	15:56	40.15	33.48	72.71	101	77.30	61.60	35.75
Final pH [no unit]	27-Jun-24	09:01	27-Jun-24	15:56	1.72	1.56	1.58	1.61	1.59	1.63	1.69
NP [t CaCO3/1000 t]	27-Jun-24	15:13	27-Jun-24	15:56	159	53.5	246	252	208	112	137
AP [t CaCO3/1000 t]	27-Jun-24	15:13	15-Jul-24	09:34	6.25	1.88	4.06	5.94	17.2	7.81	10.9
Net NP [t CaCO3/1000 t]	27-Jun-24	15:13	15-Jul-24	09:34	153	51.6	242	246	191	104	126
NP/AP [ratio]	27-Jun-24	15:13	15-Jul-24	09:34	25.4	28.5	60.5	42.4	12.1	14.3	12.5
S [%]	03-Jul-24	09:25	03-Jul-24	09:34	0.239	0.089	0.122	0.209	0.617	0.266	0.395
Acid Leachable SO4-S [%]	02-Jul-24	14:17	11-Jul-24	09:44	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
Sulphide [%]	04-Jul-24	09:14	11-Jul-24	09:44	0.20	0.06	0.13	0.19	0.55	0.25	0.35
C [%]	02-Jul-24	09:03	03-Jul-24	09:25	1.93	0.830	3.32	4.26	3.23	1.88	1.58
CO3 (HCl) as %CO3 [%]	03-Jul-24	08:59	03-Jul-24	09:25	9.51	4.01	16.5	21.2	16.0	9.30	7.77

ABA - Modified Sobek

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



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #:

Waste Rock UG TIR

Project :

PO#1254179

LR Report :

CA19392-JUN24

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.

Sample CAMLM293283 DP3-300-173-KS not received.

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

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
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mel

Works #: Waste Rock UG TIR

Project : PO#1254179

22-July-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. : 24 June 2024

LR Report: CA19393-JUN24

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: CAMLM29328 2 FW1-525-E-M V	7: CAMLM29328 4 DP3-300-173- KS	8: CAMLM29328 5 SC1-350-159- MV
Sample Date & Time					15-Jun-24	15-Jun-24	15-Jun-24
Ag [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	< 0.5	< 0.5	< 0.5
Al [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	74000	76000	69000
As [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	25	130	15
Ba [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	27	700	16
Be [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	0.40	1.5	0.30
Bi [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	< 0.09	0.27	< 0.09
Ca [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	65000	15000	63000
Cd [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	0.09	0.10	0.12
Co [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	52	14	46
Cr [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	100	67	120
Cu [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	115	21	129
Fe [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	81000	53000	78000
K [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	1300	21000	1500
Li [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	74	31	64
Mg [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	39000	12000	45000
Mn [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	1300	350	1400
Mo [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	0.2	1.7	< 0.1
Ni [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	135	44	110
P [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	240	450	150
Pb [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	4	11	10
Sb [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	1.4	< 0.8	< 0.8
Se [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	0.6	0.2	0.4
Sn [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	< 6	< 6	< 6
Sr [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	140	240	83
Ti [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	4100	2800	440
Tl [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	0.04	0.46	0.04

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML29328 2 FW1-525-E-M V	7: CAML29328 4 DP3-300-173- KS	8: CAML29328 5 SC1-350-159- MV
U [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	0.13	1.90	0.058
V [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	240	76	190
Y [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	11.0	5.4	2.2
Zn [µg/g]	17-Jul-24	17:56	22-Jul-24	11:17	86	71	80

Analysis	9: CAML29328 6 CC1-325-112- MV	10: CAML29328 7 FW1-175-185- MV	11: CAML29328 8 CC1-425-112- MV	12: CAML29328 9 CC1-425-112- MV
Sample Date & Time	16-Jun-24	16-Jun-24	17-Jun-24	17-Jun-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	52000	72000	73000	73000
As [µg/g]	110	14	18	7.2
Ba [µg/g]	61	130	530	1100
Be [µg/g]	0.55	0.39	0.83	1.4
Bi [µg/g]	< 0.09	0.10	< 0.09	< 0.09
Ca [µg/g]	75000	110000	61000	51000
Cd [µg/g]	0.10	0.13	0.29	0.15
Co [µg/g]	50	50	46	32
Cr [µg/g]	210	180	83	49
Cu [µg/g]	141	113	95	96
Fe [µg/g]	90000	72000	97000	110000
K [µg/g]	2400	6400	5800	13000
Li [µg/g]	37	67	41	40
Mg [µg/g]	41000	26000	37000	26000
Mn [µg/g]	2100	1900	1900	1800
Mo [µg/g]	0.8	0.2	0.7	0.4
Ni [µg/g]	130	130	83	45
P [µg/g]	230	170	580	690
Pb [µg/g]	9	3	9	4
Sb [µg/g]	1.2	< 0.8	1.2	< 0.8
Se [µg/g]	0.4	0.8	0.6	0.7
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	130	120	160	160
Ti [µg/g]	4500	2300	8500	5100
Tl [µg/g]	0.09	0.21	0.19	0.31
U [µg/g]	0.20	0.092	0.85	0.76
V [µg/g]	210	220	310	200
Y [µg/g]	3.8	9.6	28	19
Zn [µg/g]	99	73	130	110

Bulk Metals Suite

Sample CAML293283 DP3-300-173-KS not received.

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code	CALA	PALA
	µg/g	ME-CA-[ENV]SPE-LAK-AN-001	EPA 3052/200.8	Y	N
	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8	Y	N
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8	Y	N
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8	Y	N

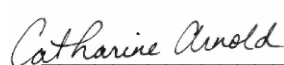
Accreditation Descriptions

CALA:

SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at <https://directory.cala.ca/#>. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:

SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation


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



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: EMS0125-JUL24													
Calcium	3	µg/g	<3			1		95			84		
Phosphorus	3	µg/g	<3			1		92			87		
Potassium	3	µg/g	<3			2		100			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0125-JUL24													
Aluminum	3	µg/g	<3			2	20	102	70	130	89	70	130
Antimony	0.8	µg/g	<0.8			2	20	108	70	130	125	70	130
Arsenic	0.5	µg/g	<0.5			4	20	96	70	130	92	70	130
Barium	0.01	µg/g	<0.01			1	20	96	70	130	106	70	130
Beryllium	0.02	µg/g	<0.02			8	20	93	70	130	92	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			20	20	99	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	94	70	130	80	70	130
Cobalt	0.01	µg/g	<0.01			3	20	94	70	130	88	70	130
Copper	0.1	µg/g	<0.1			2	20	96	70	130	96	70	130
Iron	3	µg/g	<3			5	20	90	70	130	97	70	130
Lead	0.05	µg/g	<0.05			4	20	90	70	130	97	70	130
Lithium	2	µg/g	<2			0	20	95	70	130	109	70	130
Magnesium	3	µg/g	<3			2	20	105	70	130	101	70	130
Manganese	0.1	µg/g	<0.1			1	20	96	70	130	90	70	130
Molybdenum	0.1	µg/g	<0.1			16	20	95	70	130	94	70	130
Nickel	0.1	µg/g	<0.1			3	20	99	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			5	20	97	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			4	20	94	70	130	90	70	130
Thallium	0.02	µg/g	<0.02			2	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	97	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	91	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			17	20	90	70	130	107	70	130
Vanadium	1	µg/g	<1			2	20	98	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			4	20	93	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	98	70	130	93	70	130

**SGS Canada Inc.**

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mel
Works #: Waste Rock UG TIR

Project : PO#1254179

23-July-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. : 24 June 2024
LR Report: CA19394-JUN24
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: CAML293282 FW1-525-E-MV	7: CAML293284 DP3-300-173-K S	8: CAML293285 SC1-350-159-M V
Sample Date & Time					15-Jun-24	15-Jun-24	15-Jun-24
Sample weight [g]	25-Jun-24	14:43	26-Jun-24	16:30	250	250	250
Volume D.I. Water [mL]	25-Jun-24	14:53	26-Jun-24	16:30	750	750	750
pH [no unit]	26-Jun-24	13:41	26-Jun-24	16:30	9.10	9.08	9.13
pH [No unit]	26-Jun-24	14:56	27-Jun-24	11:19	8.69	8.54	8.14
Conductivity [uS/cm]	27-Jun-24	14:22	28-Jun-24	12:07	202	341	149
Alkalinity [mg/L as CaCO3]	26-Jun-24	14:56	27-Jun-24	11:19	42	52	61
SO4 [mg/L]	27-Jun-24	13:59	27-Jun-24	17:08	4	7	2
Hg (diss) [mg/L]	27-Jun-24	10:56	27-Jun-24	15:53	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.511	0.658	0.431
As (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.0010	0.0072	0.0015
Ba (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.00285	0.00373	0.00039
B (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.041	0.075	0.019
Be (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	11.4	14.0	11.1
Cd (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.000031	0.000182	0.000046
Cr (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	1.88	15.0	1.32
Li (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.0006	0.0010	0.0010
Mg (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	3.07	3.51	5.85
Mn (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.00067	0.00093	0.00070
Mo (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.0004	0.0008	< 0.0004
Na (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	20.8	33.9	8.81
Ni (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.0013	0.0024	< 0.0009

**SGS Canada Inc.**

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mel
Works #: Waste Rock UG TIR

Project : PO#1254179

LR Report : CA19394-JUN24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML293282 FW1-525-E-MV	7: CAML293284 DP3-300-173-K S	8: CAML293285 SC1-350-159-M V
Se (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.00004	0.00005	0.00005
Si (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.81	1.02	0.91
Sn (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.113	0.0779	0.0234
Ti (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.000009	0.000015	< 0.000005
U (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.000003	0.000038	0.000004
V (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.00045	0.00038	0.00058
W (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	0.00114	0.00188	0.00060
Y (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	28-Jun-24	17:30	29-Jun-24	10:36	< 0.002	< 0.002	< 0.002

Analysis	9: CAML293286 CC1-325-112-MV	10: CAML293287 FW1-175-185-MV	11: CAML293288 CC1-425-112-MV	12: CAML293289 CC1-425-112-MV	13: CAML293289 \$D.I. CC1-425-112-MV	14:BLK: Leachate Blank
Sample Date & Time	16-Jun-24	16-Jun-24	17-Jun-24	17-Jun-24		
Sample weight [g]	250	250	251	251	251	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	8.87	9.09	8.96	9.20	9.20	5.96
pH [No unit]	8.53	8.55	8.79	8.57	8.57	6.17
Conductivity [uS/cm]	479	362	574	366	364	< 2
Alkalinity [mg/L as CaCO3]	82	43	56	37	36	< 2
SO4 [mg/L]	8	7	6	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]	0.261	0.599	0.455	0.562	0.565	0.002
As (diss) [mg/L]	0.0140	0.0008	0.0063	0.0032	0.0031	< 0.0002
Ba (diss) [mg/L]	0.00310	0.00758	0.0610	0.0293	0.0292	< 0.00008
B (diss) [mg/L]	0.291	0.251	0.190	0.109	0.115	< 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]	17.6	12.5	20.0	12.6	12.6	0.04
Cd (diss) [mg/L]	< 0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000304	0.000133	0.000163	0.000201	0.000201	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	0.003	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	0.008	< 0.007	< 0.007
K (diss) [mg/L]	4.73	6.97	9.46	12.5	12.7	0.139
Li (diss) [mg/L]	0.0010	0.0008	0.0008	0.0007	0.0007	< 0.0001
Mg (diss) [mg/L]	11.2	2.60	4.65	2.59	2.56	0.003
Mn (diss) [mg/L]	0.00215	0.00163	0.00179	0.00172	0.00161	0.00015
Mo (diss) [mg/L]	0.0007	0.0007	0.0009	0.0015	< 0.0004	< 0.0004
Na (diss) [mg/L]	55.9	44.1	50.4	40.7	41.2	< 0.01
Ni (diss) [mg/L]	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009

SGS Canada Inc.

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mel
Works #: Waste Rock UG TIR

Project : PO#1254179

LR Report : CA19394-JUN24

Analysis	9:	10:	11:	12:	13:	14:BLK:
	CAMLM293286	CAMLM293287	CAMLM293288	CAMLM293289	CAMLM293289	\$D.I. Leachate
	CC1-325-112-MVFW1	175-185-MVCC1	425-112-MVCC1	425-112-MVCC1	425-112-MV	Blank
Sb (diss) [mg/L]	0.0050	< 0.0009	0.0040	0.0036	0.0038	< 0.0009
Se (diss) [mg/L]	0.00014	0.00005	0.00012	0.00012	0.00010	< 0.00004
Si (diss) [mg/L]	0.95	0.85	0.82	1.02	1.02	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0984	0.0630	0.216	0.109	0.106	0.00012
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000033	0.000018	0.000098	0.000029	0.000030	< 0.000005
U (diss) [mg/L]	0.000030	0.000024	0.000009	0.000013	0.000013	< 0.000002
V (diss) [mg/L]	0.00042	0.00051	0.00084	0.00142	0.00147	< 0.00001
W (diss) [mg/L]	0.00354	0.00277	0.00108	0.00139	0.00141	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

Sample CAMLM293283 DP3-300-173-KS not received.



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



SGS Canada Inc.

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Agnico Eagle Mines Limited

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Meliadine

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Project : PO#1380289

08-August-2024

Date Rec. : 21 June 2024

LR Report: CA19451-JUN24

Reference: Meliadine - PO#1380289

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: CAML C134628 CC1-350-112- Mv LDUP	6: CAML M26090 DP1-525-107- KSC-WA 1150-Ksc-wa+ LDUP	7: CAML M26090 LW1-375-143- 1150-Ksc-wa+ Nij LDUP	8: CAML M30625 CC1-425-112- Mv LDUP
Sample Date & Time					12-Apr-24	12-Feb-24	04-Jan-24	17-Mar-24
Paste pH [no unit]	23-Jul-24	11:21	24-Jul-24	13:37	8.87	8.55	8.42	8.97
Fizz Rate [rating]	22-Jul-24	13:16	24-Jul-24	13:37	4	4	4	4
Sample weight [g]	22-Jul-24	11:22	24-Jul-24	13:37	2.03	2.00	2.01	2.01
HCl_add [mL]	24-Jul-24	07:35	24-Jul-24	13:37	110.10	180.30	60.00	140.20
HCl [Normality]	23-Jul-24	09:02	24-Jul-24	13:37	0.10	0.10	0.10	0.10
NaOH [Normality]	23-Jul-24	09:02	24-Jul-24	13:37	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	24-Jul-24	09:19	24-Jul-24	13:37	28.57	65.51	20.67	38.06
Final pH [no unit]	24-Jul-24	09:19	24-Jul-24	13:37	1.90	1.62	1.73	1.83
NP [t CaCO3/1000 t]	24-Jul-24	09:19	24-Jul-24	13:37	201	287	97.8	254
AP [t CaCO3/1000 t]	06-Aug-24	13:50	06-Aug-24	13:51	4.06	7.81	12.2	1.25
Net NP [t CaCO3/1000 t]	06-Aug-24	13:50	06-Aug-24	13:51	197	279	85.6	253
NP/AP [ratio]	06-Aug-24	13:50	06-Aug-24	13:51	49.4	36.7	8.02	203
S [%]	02-Aug-24	13:14	06-Aug-24	13:50	0.216	0.309	0.456	0.059
Acid Leachable SO4-S [%]	06-Aug-24	13:50	06-Aug-24	13:50	0.09	0.06	0.07	< 0.04



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

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mel

Project : PO#1380289

LR Report : CA19451-JUN24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML C134628 CC1-350-112- Mv LDUP	6: CAML M26090 DP1-525-107- KSC-WA 1150- LDUP	7: CAML M26090 LW1-375-143- Ksc-wa+ Nlj LDUP	8: CAML M30625 CC1-425-112- Mv LDUP
Sulphide [%]	06-Aug-24	11:36	06-Aug-24	13:50	0.13	0.25	0.39	0.04
C [%]	02-Aug-24	13:14	06-Aug-24	13:50	4.11	4.02	1.65	4.07
CO3 (HCl) as %CO3 [%]	07-Aug-24	10:02	07-Aug-24	17:40	20.3	19.9	6.62	20.1

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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



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Attn : Randy Schwandt/Brett Fairbairn

Meliadine

, Nunavut

X0C 0A0, Canada

Phone: (819) 759-3555

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mel

Project : PO#1380289

30-July-2024

Date Rec. : 21 June 2024

LR Report: CA19452-JUN24

Reference: Meliadine - PO#1380289

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: CAMLC134628 CC1-350-112-Mv LDUP	6: CAMLM260909 P1-525-107-KS C-WA LDUP	7: CAMLM260906 LW1-375-143-1150- Ksc-wa+Nlj LDUP	8: CAMLM306255 CC1-425-112-Mv LDUP
Sample Date & Time					12-Apr-24	12-Feb-24	04-Jan-24	17-Mar-24
Ag [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	49000	69000	27000	51000
As [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	74	1200	610	25
Ba [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	100	200	14	39
Be [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	0.41	1.5	0.35	0.34
Bi [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	< 0.09	< 0.09	0.18	< 0.09
Ca [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	73000	91000	37000	73000
Cd [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	0.13	0.24	0.11	0.13
Co [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	54	42	5.8	59
Cr [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	170	58	32	300
Cu [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	130	90	31	120
Fe [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	79000	69000	200000	85000
K [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	3500	20000	430	1500
Li [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	25	23	4.3	34
Mg [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	40000	20000	9900	53000
Mn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	1500	1800	610	1500
Mo [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	0.2	1.4	2.5	0.5
Ni [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	180	120	14	230
P [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	200	220	860	190

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Project : PO#1380289

LR Report : CA19452-JUN24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC134628 CC1-350-112-Mv LDUP	6: CAMLM260909 DP1-525-107-KS C-WA LDUP	7: CAMLM260906 LW1-375-143-1150- Ksc-wa+NIj LDUP	8: CAMLM306255 CC1-425-112-Mv LDUP
Pb [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	3	17	22	5
Sb [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	< 0.8	1.6	< 0.8	< 0.8
Se [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	0.4	0.4	0.4	0.2
Sn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	< 6	< 6	< 6	< 6
Sr [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	110	190	250	110
Ti [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	4000	3700	820	3600
Tl [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	0.11	0.60	0.02	0.06
U [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	0.50	0.079	0.63	0.086
V [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	190	240	28	190
Y [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	3.2	8.3	6.5	3.0
Zn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:20	79	99	47	99

Bulk Metals Suite

Catharine Arnold

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

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: EMS0205-JUL24													
Calcium	3	µg/g	<3			1		99			84		
Phosphorus	3	µg/g	<3			1		103			90		
Potassium	3	µg/g	<3			1		102			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0205-JUL24													
Aluminum	3	µg/g	<3			1	20	109	70	130	94	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	103	70	130
Arsenic	0.5	µg/g	<0.5			1	20	106	70	130	107	70	130
Barium	0.01	µg/g	<0.01			1	20	100	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			1	20	100	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			13	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	103	70	130	83	70	130
Cobalt	0.01	µg/g	<0.01			1	20	104	70	130	91	70	130
Copper	0.1	µg/g	<0.1			1	20	101	70	130	98	70	130
Iron	3	µg/g	<3			1	20	103	70	130	98	70	130
Lead	0.05	µg/g	<0.05			1	20	104	70	130	101	70	130
Lithium	2	µg/g	<2			1	20	95	70	130	89	70	130
Magnesium	3	µg/g	<3			1	20	105	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			1	20	103	70	130	92	70	130
Molybdenum	0.1	µg/g	<0.1			ND	20	107	70	130	103	70	130
Nickel	0.1	µg/g	<0.1			1	20	110	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			ND	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	102	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	104	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	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	99	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			1	20	104	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	103	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			1	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	107	70	130	99	70	130



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mel
Works #: sys_loc_code=

26-July-2024

Date Rec. : 21 June 2024
LR Report: CA19453-JUN24
Reference: Meliadine

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: CAMLC134628 CC1-350-112-Mv LDUP	6: CAMLM260909 P1-525-107-KSLW C-WA LDUP	7: CAMLM260906 W1-375-143-115 0-Ksc-wa+Nlj LDUP	8: CAMLM306255 CC1-425-112-Mv LDUP	9: CAMLM306255 CC1-425-112-Mv LDUP	10:BLK: \$D.I. Leachate Blank
Sample Date & Time					NA	NA	NA	NA		
Sample weight [g]	22-Jul-24	06:43	24-Jul-24	10:52	251	250	252	250	250	---
Volume D.I. Water [mL]	22-Jul-24	07:20	24-Jul-24	10:52	750	750	750	750	750	750
pH [no unit]	23-Jul-24	07:38	24-Jul-24	10:52	9.05	9.02	9.03	9.12	9.13	5.61
pH [No unit]	23-Jul-24	12:51	25-Jul-24	10:34	8.25	8.11	7.90	8.33	8.19	6.24
Conductivity [uS/cm]	23-Jul-24	12:51	24-Jul-24	11:27	280	238	261	150	170	< 2
Alkalinity [mg/L as CaCO3]	23-Jul-24	12:51	25-Jul-24	10:34	57	56	37	55	57	2
SO4 [mg/L]	23-Jul-24	11:14	23-Jul-24	15:13	4	5	5	2	2	< 2
Hg (diss) [mg/L]	24-Jul-24	20:43	25-Jul-24	15:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00006	< 0.00005
Al (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	0.314	0.655	0.677	0.388	0.386	< 0.001
As (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	0.0055	0.0588	0.0059	0.0009	0.0009	< 0.0002
Ba (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	0.00555	0.00106	0.00213	0.00314	0.00268	< 0.00008
B (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	0.098	0.212	0.071	0.074	0.075	< 0.002
Be (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	13.7	10.9	16.6	11.4	11.2	0.01
Cd (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003	0.000011
Co (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	0.000083	0.000076	0.000014	0.000084	0.000095	< 0.000004
Cr (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008



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Works #: sys_loc_code=

LR Report : CA19453-JUN24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC134628 CC1-350-112-Mv LDUP	6: CAMLM260909 P1-525-107-KSLW1-375-143-115 C-WA LDUP	7: CAMLM260906 W1-375-143-115 0-Ksc-wa+Nij LDUP	8: CAMLM306255 CC1-425-112-Mv LDUP	9: CAMLM306255 CC1-425-112-Mv LDUP	10:BLK: \$.I. Leachate Blank
Cu (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	5.14	10.5	2.63	1.97	1.92	0.048
Li (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:17	0.0006	0.0019	0.0001	0.0004	0.0004	< 0.0001
Mg (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	7.71	3.52	1.94	5.12	5.06	0.003
Mn (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.00090	0.00278	0.00092	0.00041	0.00039	0.00011
Mo (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.0007	0.0006	0.0021	< 0.0004	< 0.0004	0.0190
Na (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	29.2	20.6	24.9	10.3	10.5	0.02
Ni (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.0003	0.0004	< 0.0001	0.0001	0.0001	< 0.0001
Pb (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.0023	0.0077	< 0.0009	0.0017	0.0018	< 0.0009
Se (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.00011	0.00057	0.00009	0.00027	0.00022	< 0.00004
Si (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.88	0.92	0.58	0.80	0.80	< 0.02
Sn (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.0749	0.0640	0.209	0.0469	0.0463	< 0.00008
Ti (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.000028	0.000015	< 0.000005	0.000022	0.000024	< 0.000005
U (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.000002	0.000003	0.000007	< 0.000002	< 0.000002	< 0.000002
V (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.00056	0.00089	0.00006	0.00041	0.00041	< 0.00001
W (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	0.0017	0.0032	0.0006	0.0019	0.0018	< 0.0002
Y (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	24-Jul-24	15:10	25-Jul-24	15:16	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

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

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: EWL0467-JUL24													
Alkalinity	2	mg/L as Ca	< 2			ND	20	102	80	120	NA		
Alkalinity - QCBatchID: EWL0471-JUL24													
Alkalinity	2	mg/L as Ca	< 2			0	20	109	80	120	NA		
Alkalinity - QCBatchID: EWL0504-JUL24													
Alkalinity	2	mg/L as Ca	< 2			0	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8055-JUL24													
Sulphate	2	mg/L	<2			ND	20	106	80	120	107	75	
Conductivity - QCBatchID: EWL0467-JUL24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0471-JUL24													
Conductivity	2	uS/cm	< 2			0	20	101	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0048-JUL24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	109	80	120	121	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0175-JUL24													
Aluminum (dissolved)	0.001	mg/L	<0.001			2	20	103	90	110	87	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			3	20	99	90	110	125	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			1	20	94	90	110	101	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	98	90	110	90	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	100	90	110	87	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			11	20	97	90	110	92	70	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	96	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			1	20	101	90	110	91	70	
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	99	90	110	99	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	94	90	110	91	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	92	90	110	80	70	
Copper (dissolved)	0.001	mg/L	<0.001			1	20	94	90	110	99	70	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	96	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			2	20	98	90	110	97	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			8	20	110	90	110	90	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	101	90	110	94	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	98	90	110	82	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	98	90	110	88	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			0	20	95	90	110	94	70	
Potassium (dissolved)	0.009	mg/L	<0.009			3	20	93	90	110	97	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			1	20	100	90	110	99	70	



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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 #: sys_loc_code=

LR Report : CA19453-JUN24

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
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	103	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	98	90	110	82	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	98	90	110	99	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	90	90	110	89	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			1	20	97	90	110	84	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			10	20	99	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	101	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	98	90	110	97	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	101	90	110	103	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			1	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			0	20	98	90	110	110	70	130
pH - QCBatchID: EWL0467-JUL24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0471-JUL24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0504-JUL24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock UG TIR

Project : PO#1254179

30-July-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. : 19 July 2024

LR Report: CA19854-JUL24

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: CAML29329 0 FW2-500-MV	6: CAML29329 1 CC1-325-112- MV	7: CAML29329 2 CC1-325-112- MV
Sample Date & Time						19-Jul-24	19-Jul-24
Paste pH [no unit]	25-Jul-24	13:44	26-Jul-24	09:34	8.40	8.50	8.65
Fizz Rate [rating]	24-Jul-24	13:53	26-Jul-24	09:34	4	4	4
Sample weight [g]	24-Jul-24	13:16	26-Jul-24	09:34	2.00	2.00	2.02
HCl_add [mL]	25-Jul-24	15:07	26-Jul-24	09:34	80.10	80.00	70.00
HCl [Normality]	24-Jul-24	16:27	26-Jul-24	09:34	0.10	0.10	0.10
NaOH [Normality]	24-Jul-24	16:27	26-Jul-24	09:34	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25-Jul-24	17:32	26-Jul-24	09:34	39.33	38.86	26.23
Final pH [no unit]	25-Jul-24	16:30	26-Jul-24	09:34	1.54	1.54	1.80
NP [t CaCO3/1000 t]	25-Jul-24	17:32	26-Jul-24	09:34	102	103	108
AP [t CaCO3/1000 t]	30-Jul-24	14:07	30-Jul-24	14:08	5.62	3.75	3.12
Net NP [t CaCO3/1000 t]	30-Jul-24	14:07	30-Jul-24	14:08	96.3	99.0	105
NP/AP [ratio]	30-Jul-24	14:07	30-Jul-24	14:08	18.1	27.4	34.7
S [%]	29-Jul-24	15:05	30-Jul-24	14:07	0.265	0.148	0.136
Acid Leachable SO4-S [%]	30-Jul-24	14:01	30-Jul-24	14:07	0.08	< 0.04	< 0.04
Sulphide [%]	30-Jul-24	13:32	30-Jul-24	14:07	0.18	0.12	0.10
C [%]	29-Jul-24	15:05	30-Jul-24	10:57	1.26	1.18	1.28
CO3 (HCl) as %CO3 [%]	30-Jul-24	10:10	30-Jul-24	10:57	6.24	5.68	6.31

Analysis	8: CAML29329 5 DP2-375-152- Ksc-wa	9: CAML29329 6 DP2-375-152- Ksc-wa	10: CAML29329 7 FW1-425-E-M V	11: CAML29329 8 TL1-500-104- MV	12: CAML29329 9 CC1-325-112- MV
Sample Date & Time	19-Jul-24	19-Jul-24	19-Jul-24	19-Jul-24	19-Jul-24
Paste pH [no unit]	9.38	9.06	8.82	8.68	9.02
Fizz Rate [rating]	4	4	4	4	4
Sample weight [g]	2.01	2.00	2.01	2.01	2.01
HCl_add [mL]	55.00	55.00	120.00	120.00	180.00

Analysis	8: CAMLM29329 5 DP2-375-152- Ksc-wa	9: CAMLM29329 6 DP2-375-152- Ksc-wa	10: CAMLM29329 7 FW1-425-E-M V	11: CAMLM29329 8 TL1-500-104- MV	12: CAMLM29329 9 CC1-325-112- MV
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]	28.77	29.47	82.11	59.51	96.35
Final pH [no unit]	1.65	1.58	1.62	1.64	1.60
NP [t CaCO ₃ /1000 t]	65.3	63.8	94.3	150	208
AP [t CaCO ₃ /1000 t]	1.25	1.25	1.25	3.75	7.81
Net NP [t CaCO ₃ /1000 t]	64.0	62.6	93.0	147	200
NP/AP [ratio]	52.2	51.0	75.4	40.1	26.6
S [%]	0.075	0.075	0.068	0.142	0.244
Acid Leachable SO ₄ -S [%]	< 0.04	0.04	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.04	< 0.04	0.04	0.12	0.25
C [%]	0.987	0.984	2.52	2.49	3.44
CO ₃ (HCl) as %CO ₃ [%]	4.85	4.84	12.5	12.3	17.1

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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



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: ECS0094-JUL24													
Carbon (total)	0.005	%	<0.005			1	20				100	70	130
Sulphur (total)	0.005	%	<0.005			6	20				98	70	130
Carbon/Sulphur - QCBatchID: ECS0097-JUL24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	95	80	120			
Carbon/Sulphur - QCBatchID: ECS0098-JUL24													
Sulphide	0.04	%	< 0.01			9	20	119	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
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mel

Works #: Waste Rock UG TIR

Project : PO#1254179

31-July-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 July 2024
 LR Report: CA19855-JUL24
 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: CAML293290 FW2-500-MV	6: CAML293291 CC1-325-112-MV	7: CAML293292 CC1-325-112-MV
Sample Date & Time					19-Jul-24	19-Jul-24	19-Jul-24
Ag [µg/g]	30-Jul-24	15:28	31-Jul-24	08:53	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-Jul-24	15:28	31-Jul-24	08:53	56000	75000	74000
As [µg/g]	30-Jul-24	15:28	31-Jul-24	08:53	14	71	60
Ba [µg/g]	30-Jul-24	15:28	31-Jul-24	08:53	140	350	130
Be [µg/g]	30-Jul-24	15:28	31-Jul-24	08:53	0.66	1.2	1.0
Bi [µg/g]	30-Jul-24	15:28	31-Jul-24	08:53	0.23	< 0.09	< 0.09
Ca [µg/g]	30-Jul-24	15:28	31-Jul-24	08:53	39000	45000	48000
Cd [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.09	0.11	0.13
Co [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	18	55	50
Cr [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	63	71	50
Cu [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	45	110	130
Fe [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	150000	100000	100000
K [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	4900	8700	2900
Li [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	47	39	31
Mg [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	18000	25000	24000
Mn [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	730	1200	1300
Mo [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	2.3	1.2	1.4
Ni [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	40	89	86
P [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	690	920	960
Pb [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	14	8	6
Sb [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	< 0.8	< 0.8	< 0.8
Se [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.3	0.4	0.4
Sn [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	< 6	< 6	< 6
Sr [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	350	150	130
Ti [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	2400	8900	9200
Tl [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.13	0.41	0.10
U [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.74	1.3	1.3
V [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	62	160	170
Y [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	7.0	22	23
Zn [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	77	120	130

SGS Canada Inc.

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mel
Works #: Waste Rock UG TIR

Project : PO#1254179

LR Report : CA19855-JUL24

Analysis	8: CAMLM293295 DP2-375-152-Ks c-wa	9: CAMLM293296 DP2-375-152-Ks c-wa	10: CAMLM293297 FW1-425-E-MV TL1-500-104-MV	11: CAMLM293298 CC1-325-112-MV	12: CAMLM293299
Sample Date & Time	19-Jul-24	19-Jul-24	19-Jul-24	19-Jul-24	19-Jul-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	61000	63000	73000	77000	55000
As [µg/g]	58	70	29	12	150
Ba [µg/g]	640	640	210	13	170
Be [µg/g]	1.2	1.2	0.36	0.31	0.59
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	21000	20000	74000	87000	69000
Cd [µg/g]	0.08	0.09	0.10	0.07	0.14
Co [µg/g]	9.4	9.3	52	43	47
Cr [µg/g]	41	35	110	75	170
Cu [µg/g]	21	21	130	87	120
Fe [µg/g]	38000	38000	71000	73000	93000
K [µg/g]	18000	19000	5100	980	6600
Li [µg/g]	19	19	62	57	28
Mg [µg/g]	6900	6900	28000	20000	40000
Mn [µg/g]	270	260	1500	1800	1800
Mo [µg/g]	0.4	1.2	0.1	0.6	0.3
Ni [µg/g]	21	20	130	100	130
P [µg/g]	380	360	240	290	490
Pb [µg/g]	8	8	4	2	7
Sb [µg/g]	< 0.8	< 0.8	< 0.8	1.1	< 0.8
Se [µg/g]	< 0.1	< 0.1	0.3	0.4	0.3
Sn [µg/g]	< 6	< 6	14	< 6	< 6
Sr [µg/g]	400	400	88	120	150
Ti [µg/g]	2400	2400	3800	3200	5600
Tl [µg/g]	0.36	0.35	0.12	< 0.02	0.28
U [µg/g]	0.47	0.49	0.078	0.042	0.26
V [µg/g]	40	40	220	220	190
Y [µg/g]	2.9	2.9	7.5	18	7.1
Zn [µg/g]	58	56	93	97	110

Bulk Metals Suite



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

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: EMS0239-JUL24													
Calcium	3	µg/g	<3			0		101			73		
Phosphorus	3	µg/g	<3			1		108			81		
Potassium	3	µg/g	<3			1		107			86		
Metals - Microwave/ICP-MS - QCBatchID: EMS0239-JUL24													
Aluminum	3	µg/g	<3			0	20	104	70	130	74	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	78	70	130
Arsenic	0.5	µg/g	<0.5			1	20	100	70	130	91	70	130
Barium	0.01	µg/g	<0.01			0	20	93	70	130	95	70	130
Beryllium	0.02	µg/g	<0.02			1	20	101	70	130	79	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	92	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	104	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	99	70	130	72	70	130
Cobalt	0.01	µg/g	<0.01			0	20	100	70	130	82	70	130
Copper	0.1	µg/g	<0.1			1	20	104	70	130	91	70	130
Iron	3	µg/g	<3			1	20	95	70	130	89	70	130
Lead	0.05	µg/g	<0.05			3	20	90	70	130	92	70	130
Lithium	2	µg/g	<2			2	20	96	70	130	96	70	130
Magnesium	3	µg/g	<3			1	20	106	70	130	85	70	130
Manganese	0.1	µg/g	<0.1			1	20	102	70	130	81	70	130
Molybdenum	0.1	µg/g	<0.1			ND	20	95	70	130	100	70	130
Nickel	0.1	µg/g	<0.1			1	20	103	70	130	97	70	130
Selenium	0.1	µg/g	<0.1			1	20	98	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	101	70	130	91	70	130
Thallium	0.02	µg/g	<0.02			ND	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	94	70	130	71	70	130
Uranium	0.002	µg/g	<0.002			13	20	97	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	102	70	130	86	70	130
Yttrium	0.004	µg/g	<0.004			2	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	101	70	130	94	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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mel
Works #: Waste Rock UG TIR

Project : PO#1254179

31-July-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
 , Nunavut
 X0C 0A0, Canada

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Date Rec. : 22 July 2024
LR Report: CA19856-JUL24
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: CAML29329 0 FW2-500-MV	6: CAML29329 1 CC1-325-112- MV	7: CAML29329 2 CC1-325-112- MV
Sample Date & Time					16-Jul-24	16-Jul-24	16-Jul-24
Sample weight [g]	22-Jul-24	13:01	25-Jul-24	11:43	250	251	250
Volume D.I. Water [mL]	23-Jul-24	06:22	25-Jul-24	11:43	750	750	750
pH [no unit]	24-Jul-24	07:34	25-Jul-24	11:43	8.65	8.90	9.07
pH [No unit]	25-Jul-24	13:42	26-Jul-24	11:15	7.74	8.42	8.11
Conductivity [uS/cm]	25-Jul-24	13:42	26-Jul-24	11:15	395	646	338
Alkalinity [mg/L as CaCO3]	25-Jul-24	13:42	26-Jul-24	11:15	30	46	35
SO4 [mg/L]	25-Jul-24	14:42	25-Jul-24	17:59	92	16	12
Hg (diss) [mg/L]	26-Jul-24	10:47	29-Jul-24	16:00	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.00005	0.00008	< 0.00005
Al (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.521	0.420	0.683
As (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.0003	0.0014	0.0012
Ba (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.0148	0.0439	0.0179
B (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.044	0.515	0.168
Be (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	49.6	25.6	15.2
Cd (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.000012	0.000015	0.000008
Co (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.000024	0.000208	0.000206
Cr (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.007	< 0.007	0.007
K (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	8.87	14.2	6.77
Li (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.0016	0.0011	0.0004
Mg (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	3.01	3.85	1.98
Mn (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.00523	0.00156	0.00079
Mo (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.0188	0.0407	0.0246
Na (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	16.9	56.6	35.5
Ni (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.0001	0.0003	0.0002

Online LIMS

0003803562

**SGS Canada Inc.**

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

mel
Works #: Waste Rock UG TIR

Project : PO#1254179

LR Report : CA19856-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM29329 0 FW2-500-MV	6: CAMLM29329 1 CC1-325-112- MV	7: CAMLM29329 2 CC1-325-112- MV
Pb (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.0014	0.0038	0.0030
Se (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.00006	0.00006	0.00009
Si (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.62	0.98	0.80
Sn (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.887	0.234	0.143
Ti (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.000005	0.000056	0.000013
U (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.000085	0.000030	0.000012
V (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.00006	0.00046	0.00055
W (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	0.00072	0.00614	0.00469
Y (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	28-Jul-24	17:36	29-Jul-24	16:00	< 0.002	< 0.002	< 0.002

Analysis	8: CAMLM29329 5 DP2-375-152- Ksc-wa	9: CAMLM29329 6 DP2-375-152- Ksc-wa	10: CAMLM29329 7 FW1-425-E-M V	11: CAMLM29329 8 TL1-500-104- MV	12: CAMLM29329 9 CC1-325-112- MV
Sample Date & Time	16-Jul-24	16-Jul-24	16-Jul-24	16-Jul-24	16-Jul-24
Sample weight [g]	250	251	251	250	250
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.21	9.11	9.07	9.03	8.99
pH [No unit]	8.16	8.07	8.10	7.94	8.13
Conductivity [uS/cm]	204	180	229	213	246
Alkalinity [mg/L as CaCO3]	50	43	52	35	65
SO4 [mg/L]	5	4	7	5	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]	0.912	0.731	0.896	0.904	0.297
As (diss) [mg/L]	0.0087	0.0010	0.0066	0.0005	0.0111
Ba (diss) [mg/L]	0.00315	0.00145	0.00398	0.00039	0.0260
B (diss) [mg/L]	0.030	0.048	0.034	0.042	0.061
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]	9.78	11.3	10.5	12.9	10.5
Cd (diss) [mg/L]	0.000004	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000056	0.000031	0.000074	0.000013	0.000066
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.009	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	14.1	4.17	16.0	1.34	13.2
Li (diss) [mg/L]	0.0012	0.0008	0.0014	0.0013	0.0019
Mg (diss) [mg/L]	2.01	2.33	2.17	1.52	5.22

SGS Canada Inc.

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mel
Works #: Waste Rock UG TIR

Project : PO#1254179

LR Report : CA19856-JUL24

Analysis	8: CAML29329 5 DP2-375-152- Ksc-wa	9: CAML29329 6 DP2-375-152- Ksc-wa	10: CAML29329 7 FW1-425-E-M V	11: CAML29329 8 TL1-500-104- MV	12: CAML29329 9 CC1-325-112- MV
Mn (diss) [mg/L]	0.00095	0.00149	0.00095	0.00253	0.00158
Mo (diss) [mg/L]	0.0013	0.0004	0.0042	0.0033	0.0006
Na (diss) [mg/L]	18.0	14.2	20.6	23.3	19.0
Ni (diss) [mg/L]	0.0001	< 0.0001	< 0.0001	< 0.0001	0.0003
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0031	0.0012	0.0032	0.0014	0.0015
Se (diss) [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Si (diss) [mg/L]	1.24	0.76	1.17	0.68	0.86
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0770	0.0387	0.0831	0.0665	0.0895
Ti (diss) [mg/L]	0.0002	< 0.0001	0.0002	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000009	0.000014	0.000010	0.000006	0.000013
U (diss) [mg/L]	0.000093	0.000003	0.000078	< 0.000002	0.000003
V (diss) [mg/L]	0.00071	0.00058	0.00063	0.00069	0.00052
W (diss) [mg/L]	0.00257	0.00375	0.00206	0.00063	0.00255
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



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

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: EWL0531-JUL24													
Alkalinity	2	mg/L as Ca	< 2			0	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8060-JUL24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	103	75	125
Conductivity - QCBatchID: EWL0531-JUL24													
Conductivity	2	uS/cm	< 2			0	20	102	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0055-JUL24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	109	80	120	123	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0211-JUL24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	101	90	110	94	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	100	90	110	97	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	97	90	110	94	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	100	90	110	90	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	106	90	110	95	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	109	90	110	83	70	130
Boron (dissolved)	0.002	mg/L	<0.002			2	20	106	90	110	101	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	98	90	110	95	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	96	90	110	93	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	101	90	110	92	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			5	20	100	90	110	93	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	97	90	110	91	70	130
Iron (dissolved)	0.007	mg/L	<0.007			13	20	98	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	107	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			1	20	109	90	110	80	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	101	90	110	79	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			3	20	97	90	110	82	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	100	90	110	86	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			6	20	98	90	110	92	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	100	90	110	78	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	105	90	110	116	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	102	90	110	78	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			10	20	99	90	110	110	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	93	90	110	89	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	99	90	110	90	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	97	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	108	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	96	90	110	86	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	99	90	110	91	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	98	90	110	96	70	130
pH - QCBatchID: EWL0531-JUL24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

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mel

Works #: Waste Rock UG TIR

Project : PO#1380289

30-July-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 July 2024

LR Report: CA19915-JUL24

Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Complete d Date	4: Analysis Complete d Time	5: CAMLC145484 DP2-500-112-K SC-WA	6: CAMLC145485 DP2-500-113-K SC-WA	7: CAMLC145486 DUP
Sample Date & Time					27-Jun-24	27-Jun-24	27-Jun-24
Paste pH [no unit]	10-Jul-24	13:45	12-Jul-24	15:20	9.17	9.42	9.53
Fizz Rate [rating]	10-Jul-24	13:10	12-Jul-24	15:20	4	4	4
Sample weight [g]	09-Jul-24	14:49	12-Jul-24	15:20	2.02	2.02	2.02
HCl_add [mL]	11-Jul-24	15:22	12-Jul-24	15:20	40.00	40.00	40.00
HCl [Normality]	10-Jul-24	15:15	12-Jul-24	15:20	0.10	0.10	0.10
NaOH [Normality]	10-Jul-24	15:15	12-Jul-24	15:20	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	11-Jul-24	15:22	12-Jul-24	15:20	23.70	21.52	19.12
Final pH [no unit]	11-Jul-24	15:22	12-Jul-24	15:20	1.83	1.73	1.83
NP [t CaCO3/1000 t]	11-Jul-24	18:54	12-Jul-24	15:20	40.3	45.7	51.7
AP [t CaCO3/1000 t]	11-Jul-24	18:54	12-Jul-24	15:20	1.25	1.25	1.56
Net NP [t CaCO3/1000 t]	11-Jul-24	18:54	12-Jul-24	15:20	39.0	44.4	50.1
NP/AP [ratio]	11-Jul-24	18:54	12-Jul-24	15:20	32.2	36.6	33.1
S [%]	11-Jul-24	07:42	11-Jul-24	09:42	0.033	< 0.005	0.076
Acid Leachable SO4-S [%]	11-Jul-24	08:31	11-Jul-24	09:42	< 0.04	< 0.04	< 0.04
Sulphide [%]	11-Jul-24	08:29	11-Jul-24	09:42	< 0.04	< 0.04	0.05
C [%]	11-Jul-24	07:42	11-Jul-24	09:42	0.515	0.660	0.772
CO3 (HCl) as %CO3 [%]	11-Jul-24	09:20	11-Jul-24	09:42	2.48	3.24	3.79

Analysis	8: CAMLC145487 FW1-525-E-MV	9: CAMLC145488 RP2-425-450-M V	10: CAMLC145489 RP5-175-150-M V	11: CAMLC145490 RP5-175-150-MV
Sample Date & Time	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24
Paste pH [no unit]	8.59	8.50	8.73	8.85
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.01	2.00	1.99	2.00

SGS Canada Inc.

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mel
Works #: Waste Rock UG TIR

Project : PO#1380289

LR Report : CA19915-JUL24

Analysis	8: CAMLC145487 FW1-525-E-MV	9: CAMLC145488 RP2-425-450-M V	10: CAMLC145489 RP5-175-150-M V	11: CAMLC145490 RP5-175-150-MV
HCl_add [mL]	90.40	96.00	161.00	120.90
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]	25.90	33.23	49.15	43.27
Final pH [no unit]	1.85	1.72	1.81	1.74
NP [t CaCO3/1000 t]	160	157	281	194
AP [t CaCO3/1000 t]	5.00	6.25	7.81	3.44
Net NP [t CaCO3/1000 t]	156	151	273	191
NP/AP [ratio]	32.1	25.1	36.0	56.5
S [%]	0.195	0.248	0.269	0.121
Acid Leachable SO4-S [%]	< 0.04	0.05	< 0.04	< 0.04
Sulphide [%]	0.16	0.20	0.25	0.11
C [%]	2.01	1.91	4.25	2.54
CO3 (HCl) as %CO3 [%]	10.00	9.33	21.2	12.5

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0036-JUL24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	98	80	120			
Carbon/Sulphur - QCBatchID: ECS0041-JUL24													
Carbon (total)	0.005	%	<0.005			0	20				100	70 130	
Sulphur (total)	0.005	%	<0.005			ND	20				108	70 130	
Carbon/Sulphur - QCBatchID: ECS0042-JUL24													
Sulphide	0.04	%	< 0.01			ND	20	104	80	120			



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Agnico Eagle Mines Limited

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, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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mel
Works #: Waste Rock UG TIR
Project : PO#1380289

30-July-2024

Date Rec. : 08 July 2024
LR Report: CA19916-JUL24
Reference: Meliadine - PO#1380289

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: CAMLC145484 DP2-500-112-KS C-WA	6: CAMLC145485 DP2-500-113-KS C-WA	7: CAMLC145486 DUP	8: CAMLC145487 FW1-525-E-MVRP	9: CAMLC145488 P2-425-450-MVRP	10: CAMLC145489 P5-175-150-MVRP	11: CAMLC145490 P5-175-150-MV
Sample Date & Time					27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24
Ag [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	71000	69000	79000	76000	80000	49000	80000
As [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	72	18	20	4.9	11	15	4.5
Ba [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	300	570	640	320	18	130	40
Be [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	0.92	1.2	1.1	0.37	0.49	0.44	0.23
Bi [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	17000	16000	18000	65000	91000	79000	69000
Cd [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	0.04	0.05	0.06	0.11	0.12	0.18	0.08
Co [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	9.5	14	11	56	53	35	53
Cr [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	49	46	35	140	150	190	150
Cu [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	2.7	10	23	110	120	120	110
Fe [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	80000	52000	40000	96000	90000	59000	82000
K [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	9300	17000	20000	5200	990	9600	3200
Li [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	31	30	21	84	58	31	71
Mg [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	9000	8600	6700	46000	21000	34000	31000
Mn [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	360	330	280	1400	2000	1500	1600
Mo [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	1.3	1.4	0.5	0.8	0.2	2.5	0.3
Ni [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	25	28	23	130	100	86	130
P [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	490	420	370	210	310	90	170
Pb [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	5	6	8	5	4	5	2
Sb [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	< 0.8	< 0.8	< 0.8	< 0.8	1.5	< 0.8	< 0.8

Online LIMS



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mel
Works #: Waste Rock UG TIR
Project : PO#1380289
LR Report : CA19916-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Date	4: Analysis Completed Time	5: CAMLC145484 DP2-500-112-KS C-WA	6: CAMLC145485 DP2-500-113-KS C-WA	7: CAMLC145486 DUP	8: CAMLC145487 FW1-525-E-MVRP2-425-450-MVRP5-175-150-MV	9: CAMLC145488	10: CAMLC145489	11: CAMLC145490
Se [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	< 0.1	< 0.1	0.1	0.5	0.6	0.2	0.3
Sn [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	< 6	< 6	< 6	< 6	< 6	44	< 6
Sr [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	300	280	360	180	160	74	76
Ti [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	2000	2300	2500	2600	5000	350	1700
Tl [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	0.13	0.27	0.29	0.23	< 0.02	0.35	0.12
U [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	1.18	1.01	0.67	0.041	0.12	0.026	0.046
V [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	48	56	48	250	270	130	220
Y [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	4.8	4.0	3.2	12	22	2.7	5.1
Zn [µg/g]	11-Jul-24	14:38	12-Jul-24	12:51	73	72	72	87	110	61	92

Bulk Metals Suite

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

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: EMS0070-JUL24													
Calcium	3	µg/g	<3			4		106			87		
Phosphorus	3	µg/g	<3			4		107			98		
Potassium	3	µg/g	<3			8		106			99		
Metals - Microwave/ICP-MS - QCBatchID: EMS0070-JUL24													
Aluminum	3	µg/g	<3			4	20	95	70	130	92	70	130
Antimony	0.8	µg/g	<0.8			ND	20	106	70	130	117	70	130
Arsenic	0.5	µg/g	<0.5			16	20	103	70	130	93	70	130
Barium	0.01	µg/g	<0.01			3	20	105	70	130	100	70	130
Beryllium	0.02	µg/g	<0.02			5	20	105	70	130	87	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	92	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			7	20	98	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			8	20	107	70	130	86	70	130
Cobalt	0.01	µg/g	<0.01			5	20	104	70	130	92	70	130
Copper	0.1	µg/g	<0.1			5	20	106	70	130	99	70	130
Iron	3	µg/g	<3			3	20	107	70	130	104	70	130
Lead	0.05	µg/g	<0.05			3	20	96	70	130	91	70	130
Lithium	2	µg/g	<2			4	20	108	70	130	107	70	130
Magnesium	3	µg/g	<3			5	20	107	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			4	20	107	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	90	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			5	20	102	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			2	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	102	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			6	20	96	70	130	85	70	130
Thallium	0.02	µg/g	<0.02			14	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	94	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	109	70	130	75	70	130
Uranium	0.002	µg/g	<0.002			3	20	102	70	130	87	70	130
Vanadium	1	µg/g	<1			1	20	106	70	130	98	70	130
Yttrium	0.004	µg/g	<0.004			6	20	100	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			7	20	105	70	130	94	70	130



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine

, Nunavut

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mel
Works #: Waste Rock UG TIR
Project : PO#1380289

30-July-2024

Date Rec. : 08 July 2024
LR Report: CA19917-JUL24
Reference: Meliadine - PO#1380289

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: CAMLC14548 4 DP2-500-112- KSC-WA	6: CAMLC14548 5 DP2-500-113- KSC-WA	7: CAMLC14548 6 DUP	8: CAMLC14548 7 FW1-525-E-M V	9: CAMLC14548 8 RP2-425-450- MV	10: CAMLC14548 9 RP5-175-150- MV
Sample Date & Time					27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24	27-Jun-24
Sample weight [g]	10-Jul-24	06:27	11-Jul-24	13:13	250	251	250	249	250	250
Volume D.I. Water [mL]	10-Jul-24	06:43	11-Jul-24	13:13	750	750	750	750	750	750
pH [no unit]	11-Jul-24	07:40	11-Jul-24	13:13	9.32	9.32	9.37	9.00	8.89	9.18
pH [No unit]	11-Jul-24	10:23	12-Jul-24	09:38	8.18	8.31	9.03	7.94	7.89	8.28
Conductivity [uS/cm]	11-Jul-24	10:23	12-Jul-24	09:38	84	88	137	475	589	391
Alkalinity [mg/L as CaCO3]	11-Jul-24	10:23	12-Jul-24	09:38	41	43	56	33	33	66
SO4 [mg/L]	11-Jul-24	16:48	15-Jul-24	19:31	< 2	< 2	3	10	12	9
Hg (diss) [mg/L]	11-Jul-24	22:30	17-Jul-24	14:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	1.36	1.07	0.700	0.407	0.591	0.378
As (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0033	0.0039	0.0038	0.0004	0.0007	0.0024
Ba (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.00164	0.00139	0.00265	0.00955	0.00134	0.00197
B (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.024	0.012	0.059	0.039	0.140	0.086
Be (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML14548 4 DP2-500-112- KSC-WA	6: CAML14548 5 DP2-500-113- KSC-WA	7: CAML14548 6 DUP FW1-525-E-M V	8: CAML14548 7 RP2-425-450- MV	9: CAML14548 8 RP5-175-150- MV	10: CAML14548 9
Ca (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	7.94	7.49	6.31	18.6	23.7	14.0
Cd (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.000008	0.000009	0.000029	0.000019	0.000080	0.000063
Cr (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00008	< 0.00008	0.00018	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.007	0.007	0.031	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	5.88	8.17	8.28	6.29	3.38	8.16
Li (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0005	0.0009	0.0011	0.0005	0.0012	0.0024
Mg (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.503	1.11	1.04	3.51	3.82	9.06
Mn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.00055	0.00088	0.00041	0.00089	0.00385	0.00229
Mo (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0005	< 0.0004	0.0004	0.0005	< 0.0004	0.0005
Na (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	4.83	3.95	12.3	56.5	73.9	39.0
Ni (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00009	< 0.00009	0.00009	< 0.00009	< 0.00009	0.00052
Sb (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0024	0.0025	0.0028	< 0.0009	0.0025	0.0009
Se (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00004	< 0.00004	0.00010	0.00008	0.00007	0.00004
Si (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.82	1.15	1.50	0.81	0.73	1.06
Sn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0667	0.0495	0.0350	0.385	0.141	0.0511
Ti (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0002	0.0001	0.0009	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.000005	< 0.000005	0.000006	0.000026	0.000009	0.000017
U (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.000009	0.000058	0.000189	< 0.000002	0.000004	0.000004
V (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.00049	0.00086	0.00126	0.00043	0.00044	0.00058
W (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0007	0.0005	0.0011	0.0007	0.0024	0.0010
Y (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00002	< 0.00002	0.00004	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



SGS Canada Inc.

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mel
Works #:

Project :

LR Report :

Waste Rock UG TIR

PO#1380289

CA19917-JUL24

Analysis	11: CAMLC14549 0 RP5-175-150- MV	12: CAMLC14549 0 RP5-175-150- MV	13:BLK: \$D.I. Leachate Blank
Sample Date & Time	27-Jun-24		
Sample weight [g]	251	251	---
Volume D.I. Water [mL]	750	750	750
pH [no unit]	9.07	9.03	5.67
pH [No unit]	8.11	8.03	6.08
Conductivity [uS/cm]	209	215	< 2
Alkalinity [mg/L as CaCO3]	54	52	< 2
SO4 [mg/L]	3	4	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.514	0.512	0.001
As (diss) [mg/L]	0.0006	0.0006	< 0.0002
Ba (diss) [mg/L]	0.00040	0.00050	0.00015
B (diss) [mg/L]	0.050	0.050	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	12.6	12.7	0.05
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000022	0.000020	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	3.12	3.18	0.049
Li (diss) [mg/L]	0.0010	0.0010	< 0.0001
Mg (diss) [mg/L]	3.85	4.00	0.008
Mn (diss) [mg/L]	0.00130	0.00107	0.00025
Mo (diss) [mg/L]	0.0011	< 0.0004	< 0.0004
Na (diss) [mg/L]	19.3	20.1	0.05

Analysis	11: CAMLC14549 0 RP5-175-150- MV	12: CAMLC14549 0 RP5-175-150- MV	13:BLK: \$D.I. Leachate Blank
Ni (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00011
Sb (diss) [mg/L]	< 0.0009	< 0.0009	< 0.0009
Se (diss) [mg/L]	< 0.00004	< 0.00004	< 0.00004
Si (diss) [mg/L]	0.78	0.77	< 0.02
Sn (diss) [mg/L]	0.00009	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0405	0.0402	0.00042
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000006	0.000006	< 0.000005
U (diss) [mg/L]	< 0.000002	< 0.000002	0.000010
V (diss) [mg/L]	0.00038	0.00039	0.00002
W (diss) [mg/L]	0.0004	0.0004	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [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*

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: EWL0218-JUL24													
Alkalinity	2	mg/L as Ca	< 2			3	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8029-JUL24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	107	75	125
Conductivity - QCBatchID: EWL0218-JUL24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0025-JUL24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	95	80	120	101	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0097-JUL24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	95	90	110	75	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	114	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			7	20	96	90	110	98	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	97	90	110	94	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	101	90	110	100	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	82	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	98	90	110	93	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			13	20	95	90	110	98	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	98	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	95	90	110	93	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	95	90	110	88	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	103	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	102	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			6	20	92	90	110	93	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	83	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	85	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	97	90	110	90	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			0	20	99	90	110	99	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			5	20	95	90	110	88	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	101	90	110	70	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	94	90	110	94	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	99	90	110	78	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	95	90	110	91	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	96	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	95	90	110	93	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			1	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	95	90	110	97	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	102	90	110	98	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			7	20	98	90	110	85	70	130
pH - QCBatchID: EWL0218-JUL24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

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mel

Works #: Waste Rock UG TIR

Project : PO# 1254179

18-September-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 23 August 2024
 LR Report: CA19114-AUG24
 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: CAMLM26091 1 FW2-500-E-KS C-WA	6: CAMLM26091 2 DP1-575-098- MV	7: CAMLM26091 3 FW2-450-150- MV
Sample Date & Time					15-Aug-24	19-Aug-24	15-Aug-24
Paste pH [no unit]	28-Aug-24	11:16	29-Aug-24	13:08	9.20	8.60	8.90
Fizz Rate [rating]	28-Aug-24	07:32	29-Aug-24	13:08	4	4	4
Sample weight [g]	28-Aug-24	07:32	29-Aug-24	13:08	2.00	2.00	2.01
HCl_add [mL]	29-Aug-24	06:54	29-Aug-24	13:08	75.10	110.60	130.80
HCl [Normality]	28-Aug-24	08:45	29-Aug-24	13:08	0.10	0.10	0.10
NaOH [Normality]	28-Aug-24	08:45	29-Aug-24	13:08	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	29-Aug-24	10:10	29-Aug-24	13:08	40.52	43.79	54.53
Final pH [no unit]	29-Aug-24	09:14	29-Aug-24	13:08	1.66	1.64	1.63
NP [t CaCO ₃ /1000 t]	29-Aug-24	10:10	29-Aug-24	13:08	86.5	167	190
AP [t CaCO ₃ /1000 t]	30-Aug-24	13:32	30-Aug-24	13:33	1.25	3.12	2.50
Net NP [t CaCO ₃ /1000 t]	30-Aug-24	13:32	30-Aug-24	13:33	85.2	164	187
NP/AP [ratio]	30-Aug-24	13:32	30-Aug-24	13:33	69	53.4	75.9
S [%]	29-Aug-24	17:51	30-Aug-24	13:32	0.066	0.168	0.156
Acid Leachable SO ₄ -S [%]	30-Aug-24	13:32	30-Aug-24	13:32	0.07	0.07	0.08
Sulphide [%]	30-Aug-24	11:53	30-Aug-24	13:32	< 0.04	0.10	0.08
C [%]	29-Aug-24	17:51	30-Aug-24	13:32	1.17	2.01	2.33
CO ₃ (HCl) as %CO ₃ [%]	03-Sep-24	13:05	03-Sep-24	14:27	5.68	9.86	11.4

Analysis	8: CAMLM26091 4 FW2-500-W-MF V	9: CAMLM26091 5 FW2-500-W-M V	10: CAMLM26091 6 CC1-325-112- MV	11: CAMLM26091 7 FW1-575-MV	12: CAMLM26091 8 FW1-575-MV
Sample Date & Time	16-Aug-24	16-Aug-24	16-Aug-24	17-Aug-24	17-Aug-24
Paste pH [no unit]	8.48	9.48	8.92	8.37	8.36
Fizz Rate [rating]	4	4	4	4	4

Analysis	8: CAMLM26091 4 FW2-500-W-MFV	9: CAMLM26091 5 FW2-500-W-MV	10: CAMLM26091 6 CC1-325-112-MV	11: CAMLM26091 7 FW1-575-MV	12: CAMLM26091 8 FW1-575-MV
Sample weight [g]	2.02	2.02	2.02	2.03	2.00
HCl_add [mL]	70.30	51.20	147.00	120.80	120.80
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]	44.20	28.91	61.55	51.71	49.26
Final pH [no unit]	1.70	1.68	1.68	1.58	1.58
NP [t CaCO3/1000 t]	64.6	55.2	212	170	179
AP [t CaCO3/1000 t]	1.25	1.25	3.44	3.44	3.75
Net NP [t CaCO3/1000 t]	63.4	54.0	208	167	175
NP/AP [ratio]	52	44.2	61.5	49.5	47.7
S [%]	0.017	0.012	0.150	0.157	0.144
Acid Leachable SO4-S [%]	< 0.04	< 0.04	0.04	0.05	< 0.04
Sulphide [%]	< 0.04	< 0.04	0.11	0.11	0.12
C [%]	0.923	0.767	2.19	2.12	2.21
CO3 (HCl) as %CO3 [%]	4.33	3.65	10.8	10.4	10.8

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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-SEP24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0079-AUG24													
Carbon (total)	0.005	%	<0.005			2	20				100	70 13	
Sulphur (total)	0.005	%	<0.005			0	20				98	70 13	
Carbon/Sulphur - QCBatchID: ECS0081-AUG24													
Sulphide	0.04	%	< 0.01			12	20	107	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine

, Nunavut

X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

mel
Works #: Waste Rock UG TIR
Project : PO# 125417

18-September-2024

Date Rec. : 23 August 2024
LR Report: CA19115-AUG24
Reference: PO# 125417

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Time Completed	3: Analysis Date Completed	4: Analysis Completed Time	5: CAML260911 FW2-500-E-KSCDP1-575-098-MV -WA	6: CAML260912 FW2-500-E-KSCDP1-575-098-MV	7: CAML260913 FW2-450-150-M V	8: CAML260914 FW2-500-W-MV	9: CAML260915 FW2-500-W-MV	10: CAML260916 CC1-325-112-M V	11: CAML260917 FW1-575-MV	12: CAML260918 FW1-575-MV
Sample Date & Time					15-Aug-24	19-Aug-24	15-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24	17-Aug-24	17-Aug-24
Ag [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	58000	73000	73000	63000	58000	52000	36000	68000
As [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	8.0	13	14	2.4	5.3	31	16	14
Ba [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	770	14	130	270	590	180	7	28
Be [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	1.2	0.38	0.55	0.76	1.4	0.41	0.12	0.39
Bi [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	0.12	< 0.09	< 0.09	< 0.09	0.11	< 0.09	< 0.09	< 0.09
Ca [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	28000	84000	76000	23000	18000	65000	63000	88000
Cd [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	0.06	0.11	0.12	0.06	0.06	0.13	0.15	0.19
Co [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	8.1	51	49	7.6	7.4	57	53	48
Cr [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	26	110	66	33	45	220	310	160
Cu [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	12	140	82	8.8	8.7	160	150	130
Fe [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	92000	77000	80000	96000	36000	92000	68000	81000
K [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	13000	330	5700	5900	14000	6600	170	1100
Li [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	30	52	64	28	19	43	49	48
Mg [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	7700	25000	22000	7600	4600	44000	27000	27000
Mn [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	430	1800	1900	340	270	1800	1400	1700
Mo [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	1.1	1.6	0.2	2.0	0.5	1.1	0.4	2.7
Ni [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	20	140	100	20	16	132	136	135
P [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	440	180	400	550	280	260	190	180
Pb [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	8	10	4	13	19	4	3	8
Sb [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	< 0.8	1.4	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	1.1



SGS Canada Inc.

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mel
Works #: Waste Rock UG TIR
Project : PO# 125417
LR Report : CA19115-AUG24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML260911 FW2-500-E-KSCDP1-575-098-MV -WA	6: CAML260912 FW2-450-150-M	7: CAML260913 FW2-500-W-MV V	8: CAML260914 FW2-500-W-MV	9: CAML260915 CC1-325-112-M V	10: CAML260916 FW1-575-MV	11: CAML260917 FW1-575-MV	12: CAML260918 FW1-575-MV
Se [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	0.2	0.6	0.6	0.1	< 0.1	0.4	0.5	0.6
Sn [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	390	160	100	370	340	96	37	160
Ti [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	1800	3900	5200	1900	2200	5700	1400	3900
Tl [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	0.27	< 0.02	0.23	0.12	0.32	0.34	< 0.02	0.06
U [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	0.85	0.078	0.27	0.95	0.77	0.15	0.024	0.088
V [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	34	240	240	35	33	220	130	220
Y [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	6.00	17	19	5.6	2.7	10	3.0	17
Zn [µg/g]	06-Sep-24	14:17	09-Sep-24	08:12	55	90	140	59	44	120	110	110

Bulk Metals Suite

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

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: EMS0033-SEP24													
Calcium	3	µg/g	<3			2		99			80		
Phosphorus	3	µg/g	<3			4		94			87		
Potassium	3	µg/g	<3			3		99			91		
Metals - Microwave/ICP-MS - QCBatchID: EMS0033-SEP24													
Aluminum	3	µg/g	<3			3	20	93	70	130	82	70	130
Antimony	0.8	µg/g	<0.8			2	20	91	70	130	118	70	130
Arsenic	0.5	µg/g	<0.5			0	20	93	70	130	88	70	130
Barium	0.01	µg/g	<0.01			2	20	95	70	130	99	70	130
Beryllium	0.02	µg/g	<0.02			2	20	97	70	130	92	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	94	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			4	20	95	70	130	81	70	130
Cobalt	0.01	µg/g	<0.01			3	20	92	70	130	89	70	130
Copper	0.1	µg/g	<0.1			2	20	94	70	130	100	70	130
Iron	3	µg/g	<3			2	20	97	70	130	95	70	130
Lead	0.05	µg/g	<0.05			6	20	95	70	130	108	70	130
Lithium	2	µg/g	<2			2	20	100	70	130	111	70	130
Magnesium	3	µg/g	<3			2	20	102	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			2	20	94	70	130	90	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	100	70	130	94	70	130
Nickel	0.1	µg/g	<0.1			2	20	97	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			6	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	100	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	92	70	130	92	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	96	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	95	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			1	20	92	70	130	101	70	130
Vanadium	1	µg/g	<1			2	20	94	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			3	20	95	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	94	70	130	95	70	130

18-September-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 23 August 2024
LR Report: CA19116-AUG24
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: CAMLM2609 11 FW2-500-E-K SC-WA	6: CAMLM26091 2 DP1-575-098- MV	7: CAMLM26091 3 FW2-450-150-FW2-500-W-MFV	8: CAMLM26091 4 FW2-500-W-MFV	9: CAMLM26091 5 FW2-500-W-MFV	10: CAMLM26091 6 CC1-325-112- MV
Sample Date & Time					15-Aug-24	19-Aug-24	15-Aug-24	16-Aug-24	16-Aug-24	16-Aug-24
Sample weight [g]	27-Aug-24	10:21	29-Aug-24	08:53	250	251	249	251	251	251
Volume D.I. Water [mL]	28-Aug-24	06:30	29-Aug-24	08:53	750	750	750	750	750	750
pH [no unit]	29-Aug-24	06:35	29-Aug-24	08:53	8.66	8.87	9.07	8.68	9.04	9.21
pH [No unit]	29-Aug-24	15:18	30-Aug-24	09:44	8.13	8.17	8.21	8.27	8.32	8.34
Conductivity [uS/cm]	29-Aug-24	15:18	30-Aug-24	09:44	198	425	217	474	234	361
Alkalinity [mg/L as CaCO3]	29-Aug-24	15:18	30-Aug-24	09:44	55	35	39	64	56	34
SO4 [mg/L]	30-Aug-24	10:30	04-Sep-24	14:38	2	6	3	2	3	5
Hg (diss) [mg/L]	03-Sep-24	17:11	04-Sep-24	14:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.652	0.590	0.870	0.390	0.872	0.432
As (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.0007	0.0005	0.0005	< 0.0002	0.0010	0.0004
Ba (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.00723	0.00271	0.00199	0.00915	0.00420	0.0294
B (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.064	0.949	0.142	0.539	0.239	0.161
Be (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001



SGS Canada Inc.

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mel
Works #:

Waste Rock UG TIR

Project :

PO# 1254179

LR Report :

CA19116-AUG24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML2609 11 FW2-500-E-K SC-WA	6: CAML26091 2 DP1-575-098- MV	7: CAML26091 3 FW2-450-150-FW2-500-W-MFW2-500-W-M MV	8: CAML26091 4 FW2-500-W-MFW2-500-W-M V	9: CAML26091 5 CC1-325-112- V	10: CAML26091 6 CC1-325-112- MV
Ca (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	14.6	12.0	11.6	25.6	8.64	8.68
Cd (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.000257	< 0.000003	< 0.000003	0.000019	0.000064	< 0.000003
Co (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.000049	0.000330	0.000069	0.000293	0.000336	0.000121
Cr (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001
Fe (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	9.34	1.66	5.16	7.77	13.3	17.8
Li (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.0014	0.0007	0.0009	0.0012	0.0009	0.0005
Mg (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	2.10	1.99	1.54	2.62	1.59	1.63
Mn (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.00154	0.00140	0.00195	0.00229	0.00106	0.00053
Mo (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.0007	0.0007	0.0013	0.0211	0.0172	0.0005
Na (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	14.8	58.9	20.3	31.5	25.7	41.0
Ni (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.0001	< 0.0001	0.0012	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00009	< 0.00009
Sb (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.0017	0.0027	0.0012	0.0022	0.0070	0.0015
Se (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.00004	< 0.00004	0.00004	< 0.00004	0.00004	< 0.00004
Si (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.72	1.06	0.69	0.76	1.23	1.14
Sn (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.226	0.0850	0.0540	0.300	0.0846	0.0740
Ti (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.000009	0.000011	0.000017	0.000028	0.000011	0.000026
U (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.000004	< 0.000002	0.000005	0.000006	0.000038	0.000008
V (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.00008	0.00077	0.00060	0.00005	0.00052	0.00134
W (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.0009	0.0146	0.0028	0.0068	0.0235	0.0018
Y (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	30-Aug-24	30-Aug-24	04-Sep-24	14:23	0.005	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: CAMLM26091 7 FW1-575-MV	12: CAMLM26091 8 FW1-575-MV	13: CAMLM2609 11 FW2-500-E-K SC-WA	14:BLK: \$D.I. Leachate Blank
Sample Date & Time	17-Aug-24	17-Aug-24		
Sample weight [g]	251	250	250	---
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.66	8.76	8.65	5.60
pH [No unit]	8.29	8.36	8.07	6.29
Conductivity [uS/cm]	588	634	200	3
Alkalinity [mg/L as CaCO3]	42	42	55	< 2
SO4 [mg/L]	9	10	3	< 2
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]	0.390	0.374	0.679	0.002
As (diss) [mg/L]	0.0005	0.0004	0.0006	< 0.0002
Ba (diss) [mg/L]	0.0127	0.00976	0.00680	0.00019
B (diss) [mg/L]	0.309	0.350	0.040	< 0.002
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]	21.3	22.2	15.5	0.01
Cd (diss) [mg/L]	0.000006	0.000034	< 0.000003	0.000010
Co (diss) [mg/L]	0.000093	0.000108	0.000036	< 0.000004
Cr (diss) [mg/L]	0.00010	0.00009	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	3.41	3.67	9.60	0.567
Li (diss) [mg/L]	0.0010	0.0010	0.0010	< 0.0001
Mg (diss) [mg/L]	5.99	6.37	2.16	0.001
Mn (diss) [mg/L]	0.00213	0.00201	0.00129	< 0.00001
Mo (diss) [mg/L]	0.0150	0.0020	0.0008	0.0163
Na (diss) [mg/L]	63.1	68.3	15.6	0.03

Analysis	11: CAML26091 7 FW1-575-MV	12: CAML26091 8 FW1-575-MV	13: CAML2609 11 FW2-500-E-K SC-WA	14:BLK: \$D.I. Leachate Blank
Ni (diss) [mg/L]	0.0004	< 0.0001	0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00009	< 0.00009
Sb (diss) [mg/L]	0.0010	0.0010	0.0017	< 0.0009
Se (diss) [mg/L]	0.00006	0.00005	< 0.00004	< 0.00004
Si (diss) [mg/L]	0.94	0.95	0.69	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.150	0.156	0.216	< 0.00008
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000026	0.000028	0.000009	< 0.000005
U (diss) [mg/L]	0.000006	0.000002	< 0.000002	< 0.000002
V (diss) [mg/L]	0.00034	0.00033	0.00005	< 0.00001
W (diss) [mg/L]	0.0029	0.0023	0.0007	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0651-AUG24													
Alkalinity	2	mg/L as Ca	< 2			1	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5001-SEP24													
Sulphate	2	mg/L	<2			ND	20	107	80	120	107	75	125
Anions by discrete analyzer - QCBatchID: DIO5002-SEP24													
Sulphate	2	mg/L	<2			ND	20	105	80	120	100	75	125
Anions by discrete analyzer - QCBatchID: DIO5010-AUG24													
Sulphate	2	mg/L	<2			ND	20	106	80	120	106	75	125
Conductivity - QCBatchID: EWL0651-AUG24													
Conductivity	2	uS/cm	< 2			0	20	101	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0065-AUG24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	85	80	120	89	70	130
Mercury by CVAAS - QCBatchID: EHG0066-AUG24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	80	80	120	83	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0327-AUG24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	102	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			1	20	104	90	110	89	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			6	20	95	90	110	89	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	96	90	110	85	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	103	90	110	122	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	97	70	130
Boron (dissolved)	0.002	mg/L	<0.002			2	20	98	90	110	93	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			8	20	103	90	110	101	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	102	90	110	102	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	107	90	110	94	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	107	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	107	90	110	95	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	97	90	110	97	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	107	90	110	119	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	103	90	110	77	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	96	90	110	87	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			8	20	100	90	110	82	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	106	90	110	91	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	103	90	110	107	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	95	90	110	107	70	130

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
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	92	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	106	90	110	72	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	107	90	110	108	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	96	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	93	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	102	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			5	20	105	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	101	90	110	104	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			5	20	104	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			0	20	103	90	110	103	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0339-AUG24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	107	90	110	76	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	109	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	108	90	110	100	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	99	90	110	96	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	83	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			4	20	107	90	110	105	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	95	90	110	96	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	107	90	110	104	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			4	20	100	90	110	98	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			19	20	107	90	110	104	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	106	90	110	97	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	106	90	110	86	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	98	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			2	20	103	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			4	20	100	90	110	92	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	104	90	110	100	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	104	90	110	73	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	95	90	110	95	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	109	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	100	90	110	91	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	102	90	110	108	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	106	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	105	90	110	80	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	101	90	110	78	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	97	90	110	93	70	130
Thallium (dissolved)	0.000005	ma/L	5e-006			0	20	109	90	110			

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
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			16	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	107	90	110	96	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	104	90	110	103	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	106	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	108	90	110	91	70	130
pH - QCBatchID: EWL0651-AUG24													
pH	0.05	No unit	NA			1		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock UG TIR

Project : PO#1380289

28-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 10 October 2024
 LR Report: CA19679-OCT24
 Reference: Meliadine - PO#1380289

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: CAML260919- DP2-475-115-Ks c-wa	6: CAML260920- DP2-475-116-Ks c-wa	7: CAML260921- DP2-450-142-Kw a-s
Sample Date & Time					NA	NA	NA
Paste pH [no unit]	17-Oct-24	18:22	18-Oct-24	16:20	9.29	9.20	8.81
Fizz Rate [rating]	16-Oct-24	18:22	18-Oct-24	16:20	4	4	4
Sample weight [g]	16-Oct-24	14:34	18-Oct-24	16:20	2.00	2.04	2.00
HCl_add [mL]	17-Oct-24	13:51	18-Oct-24	16:20	75.00	60.00	160.00
HCl [Normality]	16-Oct-24	15:23	18-Oct-24	16:20	0.10	0.10	0.10
NaOH [Normality]	16-Oct-24	15:23	18-Oct-24	16:20	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Oct-24	16:06	18-Oct-24	16:20	40.62	39.72	68.78
Final pH [no unit]	17-Oct-24	15:20	18-Oct-24	16:20	1.53	1.50	1.62
NP [t CaCO3/1000 t]	17-Oct-24	16:07	18-Oct-24	16:20	85.9	49.7	228
AP [t CaCO3/1000 t]	21-Oct-24	13:08	21-Oct-24	13:09	1.25	1.25	4.38
Net NP [t CaCO3/1000 t]	21-Oct-24	13:08	21-Oct-24	13:09	84.6	48.4	224
NP/AP [ratio]	21-Oct-24	13:08	21-Oct-24	13:09	68.7	39.8	52.1
S [%]	18-Oct-24	11:54	21-Oct-24	13:08	0.030	< 0.005	0.147
Acid Leachable SO4-S [%]	21-Oct-24	13:08	21-Oct-24	13:08	<0.04	<0.04	< 0.04
Sulphide [%]	21-Oct-24	10:24	21-Oct-24	13:08	< 0.04	< 0.04	0.14
C [%]	18-Oct-24	11:54	21-Oct-24	13:08	1.05	0.672	3.07
CO3 (HCl) as %CO3 [%]	22-Oct-24	07:54	25-Oct-24	12:13	5.21	3.34	15.3

Analysis	8: CAML260922- CC1-550-104-Kw a-s	9: CAML260923- DP1-550-108-KS	10: CAML260924- DP1-550-108-KSCC1-550-104-Kw a-s	11: CAML260925- DP2-500-118-KS a-s	12: CAML293300-
Sample Date & Time	NA	NA	NA	NA	NA
Paste pH [no unit]	9.11	9.03	8.77	9.16	8.97
Fizz Rate [rating]	4	3	3	3	4
Sample weight [g]	2.02	2.02	2.00	2.02	2.01
HCl_add [mL]	60.40	45.00	45.00	55.00	60.00
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]	36.95	22.08	20.60	32.73	41.32

Analysis	8: CAML260922- CC1-550-104-Kw a-s	9: CAML260923- DP1-550-108-KS	10: CAML260924- DP1-550-108-KSCC1-550-104-Kw a-s	11: CAML260925- DP2-500-118-KS	12: CAML293300-
Final pH [no unit]	1.73	1.90	1.94	1.59	1.61
NP [t CaCO3/1000 t]	58.1	56.7	61.0	55.1	46.5
AP [t CaCO3/1000 t]	1.56	17.8	9.06	1.88	5.00
Net NP [t CaCO3/1000 t]	56.5	38.9	51.9	53.2	41.5
NP/AP [ratio]	37.2	3.18	6.73	29.4	9.30
S [%]	0.112	0.653	0.335	0.116	0.205
Acid Leachable SO4-S [%]	0.06	0.08	0.04	0.06	0.04
Sulphide [%]	0.05	0.57	0.29	0.06	0.16
C [%]	0.775	0.758	0.833	0.739	0.682
CO3 (HCl) as %CO3 [%]	3.80	3.75	4.11	3.64	3.38

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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	Units	SGS Method Code	Reference Method Code
	g	NA	Sample weight
	mL		MEND PROJECT 1.16.1B
	mL	NA	MEND PROJECT 1.16.1B
	no unit	NA	SM 4500
	Normality	NA	MEND PROJECT 1.16.1B
	rating	NA	MEND PROJECT 1.16.1B
	ratio	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Acid Potential	t CaCO3/1000 t	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	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	no unit	ME-CA-[ENV]ARD-LAK-AN-005	ARD Prediction Manual 2009

Catharine Arnold

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

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: ECS0044-OCT24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			4	20	98	80	120			
Carbon/Sulphur - QCBatchID: ECS0046-OCT24													
Carbon (total)	0.005	%	<0.005			2	20				98	70 130	
Sulphur (total)	0.005	%	<0.005			8	20				102	70 130	
Carbon/Sulphur - QCBatchID: ECS0049-OCT24													
Sulphide	0.04	%	< 0.01			7	20	110	80	120			

**SGS Canada Inc.**

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

mel
Works #: Waste Rock UG TIR

Project : PO#1380289

28-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 10 October 2024
LR Report: CA19680-OCT24
Reference: Meliadine - PO#1380289

Copy: #1

Phone: (819) 759-3555
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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: CAML260919- DP2-475-115-Ks c-wa	6: CAML260920- DP2-475-116-Ks c-wa	7: CAML260921- DP2-450-142-KC1-550-104-Kwa- wa-s	8: CAML260922- DP1-550-108-K s	9: CAML260923- DP1-550-108-K S
Sample Date & Time					NA	NA	NA	NA	NA
Ag [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	66000	80000	65000	68000	82000
As [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	17	25	100	30	6700
Ba [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	420	530	83	490	670
Be [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.87	1.1	0.51	0.96	1.6
Bi [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	< 0.09	< 0.09	< 0.09	< 0.09	0.65
Ca [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	30000	17000	82000	18000	14000
Cd [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.11	0.07	0.14	0.08	0.22
Co [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	17	8.2	45	11	20
Cr [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	26	31	96	28	180
Cu [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	29	7.8	110	26	72
Fe [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	40000	34000	73000	52000	57000
K [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	15000	18000	6800	13000	22000
Li [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	29	24	43	25	35
Mg [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	11000	7700	23000	8800	15000
Mn [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	480	280	2000	310	410
Mo [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.3	0.8	0.2	0.8	2.2
Ni [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	34	17	120	22	77
P [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	320	330	290	330	410
Pb [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	8	5	8	8	65
Sb [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	< 0.8	< 0.8	0.9	< 0.8	2.3
Se [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.1	< 0.1	0.4	0.1	0.8
Sn [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	390	340	140	330	160
Ti [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	2900	2400	3700	2300	3200
Tl [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.26	0.30	0.26	0.28	0.54
U [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.53	0.93	0.069	0.83	1.74
V [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	56	43	230	44	130
Y [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	4.8	5.1	9.8	4.4	7.7
Zn [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	65	59	120	65	77

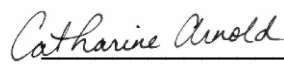
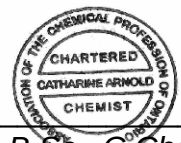
Analysis	10: CAML260924-CAML260925-CCAML293300- DP1-550-108-KC1-550-104-Kwa- S	11: DP2-500-118-K s	12: DP2-500-118-K S
Sample Date & Time	NA	NA	NA

Analysis	10:	11:	12:
	CAML260924-CAML260925-CCAML293300-		
	DP1-550-108-KC1-550-104-Kwa- DP2-500-118-K		
	S	s	S
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	81000	66000	62000
As [µg/g]	2000	29	350
Ba [µg/g]	600	480	290
Be [µg/g]	1.5	1.00	0.75
Bi [µg/g]	0.48	< 0.09	< 0.09
Ca [µg/g]	15000	18000	15000
Cd [µg/g]	0.29	0.08	0.07
Co [µg/g]	22	11	9.2
Cr [µg/g]	210	35	53
Cu [µg/g]	68	24	31
Fe [µg/g]	52000	52000	96000
K [µg/g]	19000	13000	6200
Li [µg/g]	34	26	24
Mg [µg/g]	15000	8400	8800
Mn [µg/g]	440	300	230
Mo [µg/g]	4.4	0.5	1.9
Ni [µg/g]	77	22	23
P [µg/g]	410	320	400
Pb [µg/g]	49	8	10
Sb [µg/g]	0.9	< 0.8	< 0.8
Se [µg/g]	0.5	0.1	0.2
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	190	320	240
Ti [µg/g]	3100	2300	2000
Tl [µg/g]	0.48	0.29	0.19
U [µg/g]	1.83	0.81	0.83
V [µg/g]	120	42	41
Y [µg/g]	7.7	4.3	4.7
Zn [µg/g]	82	65	82

Bulk Metals Suite

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	µg/g	ME-CA-[ENV]SPE-LAK-AN-001	EPA 3052/200.8
	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8



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

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: EMS0219-OCT24													
Calcium	3	µg/g	<3			1		101			89		
Phosphorus	3	µg/g	<3			2		98			81		
Potassium	3	µg/g	<3			0		100			88		
Metals - Microwave/ICP-MS - QCBatchID: EMS0219-OCT24													
Aluminum	3	µg/g	<3			0	20	105	70	130	91	70	130
Antimony	0.8	µg/g	<0.8			ND	20	103	70	130	104	70	130
Arsenic	0.5	µg/g	<0.5			1	20	105	70	130	90	70	130
Barium	0.01	µg/g	<0.01			3	20	99	70	130	97	70	130
Beryllium	0.02	µg/g	<0.02			0	20	102	70	130	88	70	130
Bismuth	0.09	µg/g	<0.09			18	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			16	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	101	70	130	71	70	130
Cobalt	0.01	µg/g	<0.01			1	20	104	70	130	86	70	130
Copper	0.1	µg/g	<0.1			2	20	106	70	130	96	70	130
Iron	3	µg/g	<3			0	20	101	70	130	93	70	130
Lead	0.05	µg/g	<0.05			4	20	101	70	130	98	70	130
Lithium	2	µg/g	<2			0	20	99	70	130	96	70	130
Magnesium	3	µg/g	<3			0	20	101	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			0	20	105	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	105	70	130	101	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			12	20	105	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	103	70	130	101	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	101	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			0	20	105	70	130	82	70	130
Uranium	0.002	µg/g	<0.002			3	20	100	70	130	85	70	130
Vanadium	1	µg/g	<1			0	20	105	70	130	89	70	130
Yttrium	0.004	µg/g	<0.004			1	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	109	70	130	96	70	130

**SGS Canada Inc.**

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mel
Works #: Waste Rock UG TIR

Project : PO#1380289

28-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 10 October 2024
LR Report: CA19681-OCT24
Reference: Meliadine - PO#1380289

Copy: #1

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

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML260919- DP2-475-115-K sc-wa	6: CAML260920- DP2-475-116-K sc-wa	7: CAML260921- DP2-450-142-K wa-s	8: CAML260922- CC1-550-104-K wa-s
Sample Date & Time					NA	NA	NA	NA
Sample weight [g]	10-Oct-24	12:25	16-Oct-24	13:14	250	251	251	251
Volume D.I. Water [mL]	15-Oct-24	06:31	16-Oct-24	13:14	750	750	750	750
pH [no unit]	16-Oct-24	06:20	16-Oct-24	13:14	9.37	9.35	8.87	9.13
pH [No unit]	16-Oct-24	16:49	17-Oct-24	11:42	8.33	8.32	7.90	8.18
Conductivity [uS/cm]	16-Oct-24	16:49	17-Oct-24	11:42	148	172	204	216
Alkalinity [mg/L as CaCO3]	16-Oct-24	16:49	17-Oct-24	11:42	40	43	57	46
SO4 [mg/L]	18-Oct-24	12:19	21-Oct-24	14:05	2	2	3	3
Hg (diss) [mg/L]	17-Oct-24	14:29	17-Oct-24	13:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	0.935	1.12	0.538	0.786
As (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	0.0037	0.0069	0.0066	0.0024
Ba (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	0.00207	0.00207	0.00100	0.00316
B (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	0.078	0.055	0.068	0.046
Be (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	6.66	7.31	13.3	10.3
Cd (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	< 0.000003	0.000008	< 0.000003	< 0.000003
Co (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	0.000178	0.000099	0.000057	0.000046
Cr (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	10.2	11.2	6.00	10.4
Li (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	0.0007	0.0012	0.0018	0.0007
Mg (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	1.09	1.36	4.40	1.94
Mn (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:37	0.00069	0.00072	0.00341	0.00072
Mo (diss) [mg/L]	17-Oct-24	15:37	21-Oct-24	10:46	0.0006	0.0315	0.0005	0.0008
Na (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	13.6	18.2	16.6	21.3
Ni (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	< 0.0001	< 0.0001	0.0001	< 0.0001
Pb (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	0.0023	0.0026	0.0046	0.0026
Se (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	0.00007	< 0.00004	0.00010	< 0.00004
Si (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	1.35	1.53	0.79	1.11
Sn (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	0.00008	< 0.00006	0.00008	< 0.00006
Sr (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	0.0732	0.0506	0.0671	0.0787
Ti (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	0.0001	0.0001	< 0.0001	< 0.0001

**SGS Canada Inc.**

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Works #: Waste Rock UG TIR**Project :** PO#1380289**LR Report :** CA19681-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML260919- DP2-475-115-K sc-wa	6: CAML260920- DP2-475-116-K sc-wa	7: CAML260921- DP2-450-142-K wa-s	8: CAML260922- CC1-550-104-K wa-s
Tl (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	0.000018	0.000019	0.000021	0.000010
U (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	0.000021	0.000069	0.000006	0.000012
V (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	0.00147	0.00164	0.00033	0.00035
W (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	0.00070	0.00111	0.00228	0.00173
Y (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	< 0.00002	0.00003	< 0.00002	< 0.00002
Zn (diss) [mg/L]	17-Oct-24	15:37	18-Oct-24	12:36	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CAML260923- DP1-550-108-K S	10: CAML260924- DP1-550-108-K S	11: CAML260925- CC1-550-104-K wa-s	12: CAML293300- DP2-500-118-K S	13: CAML293300- DP2-500-118-K S
Sample Date & Time	NA	NA	NA	NA	
Sample weight [g]	252	250	250	249	249
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.04	9.03	9.08	9.00	8.97
pH [No unit]	8.12	8.25	8.15	8.01	8.04
Conductivity [uS/cm]	460	629	245	178	179
Alkalinity [mg/L as CaCO3]	39	41	46	58	57
SO4 [mg/L]	18	13	3	< 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]	0.481	0.580	0.751	0.768	0.781
As (diss) [mg/L]	0.0712	0.184	0.0022	0.0029	0.0028
Ba (diss) [mg/L]	0.00620	0.00421	0.00371	0.00386	0.00386
B (diss) [mg/L]	0.277	0.153	0.054	0.262	0.266
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]	18.7	15.1	10.8	11.8	12.0
Cd (diss) [mg/L]	0.000003	0.000004	< 0.000003	0.000010	< 0.000003
Co (diss) [mg/L]	0.000244	0.000110	0.000061	0.000091	0.000080
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	14.2	12.9	12.2	5.72	5.73
Li (diss) [mg/L]	0.0012	0.0010	0.0007	0.0006	0.0006
Mg (diss) [mg/L]	6.80	4.68	2.24	1.69	1.68
Mn (diss) [mg/L]	0.00141	0.00076	0.00076	0.00054	0.00053
Mo (diss) [mg/L]	0.0048	0.0080	0.0007	0.0309	0.0008
Na (diss) [mg/L]	76.6	55.4	23.8	19.0	18.9
Ni (diss) [mg/L]	0.0007	0.0002	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0057	0.0046	0.0026	0.0031	0.0030
Se (diss) [mg/L]	0.00022	0.00016	< 0.00004	< 0.00004	< 0.00004
Si (diss) [mg/L]	1.23	1.20	1.05	0.67	0.69
Sn (diss) [mg/L]	0.00011	< 0.00006	< 0.00006	0.00007	0.00008
Sr (diss) [mg/L]	0.178	0.123	0.0862	0.119	0.120
Ti (diss) [mg/L]	0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000027	0.000014	0.000015	0.000011	0.000011
U (diss) [mg/L]	0.000068	0.000049	0.000012	0.000005	0.000005
V (diss) [mg/L]	0.00101	0.00109	0.00031	0.00008	0.00008
W (diss) [mg/L]	0.00318	0.00230	0.00224	0.00171	0.00164
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

SGS Canada Inc.

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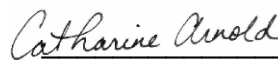
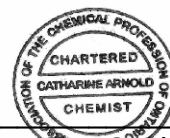
mel
Works #: Waste Rock UG TIR

Project : PO#1380289

LR Report : CA19681-OCT24

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	g	NA	Sample weight
	mL	NA	Volume
	no unit	NA	
Alkalinity	mg/L as CaCO ₃	ME-CA-[ENV]EWL-LAK-AN-006	SM 2320
Anions by discrete analyzer	mg/L	ME-CA-[ENV]EWL-LAK-AN-026	US EPA 375.4
Conductivity	uS/cm	ME-CA-[ENV]EWL-LAK-AN-006	SM 2510
Mercury by CVAAS	mg/L	ME-CA-[ENV]SPE-LAK-AN-004	EPA 7471A/SM 3112B
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	SM 3030/EPA 200.8
pH	No unit	ME-CA-[ENV]EWL-LAK-AN-006	SM 4500

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

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: EWL0369-OCT24													
Alkalinity	2	mg/L as Ca	< 2			8	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8044-OCT24													
Sulphate	2	mg/L	<2			ND	20	107	80	120	102	75	125
Anions by discrete analyzer - QCBatchID: DIO8045-OCT24													
Sulphate	2	mg/L	<2			ND	20	105	80	120	103	75	125
Anions by discrete analyzer - QCBatchID: DIO8046-OCT24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	103	75	125
Conductivity - QCBatchID: EWL0369-OCT24													
Conductivity	2	uS/cm	< 2			1	20	97	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0033-OCT24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	116	80	120	127	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0188-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	99	90	110	73	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	103	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			1	20	97	90	110	103	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	94	90	110	99	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	92	90	110	96	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	104	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	110	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			5	20	99	90	110	90	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	106	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			9	20	94	90	110	100	70	130
Copper (dissolved)	0.001	mg/L	<0.001			0	20	94	90	110	95	70	130
Iron (dissolved)	0.007	mg/L	<0.007			11	20	97	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	96	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	100	90	110	104	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	99	90	110	86	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	97	90	110	72	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	103	90	110	96	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			16	20	100	90	110	99	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	94	90	110	129	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			1	20	100	90	110	106	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	102	90	110	85	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			3	20	102	90	110	111	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	93	90	110	86	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			1	20	98	90	110	100	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	104	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			1	20	105	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	98	90	110	77	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			4	20	94	90	110	96	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	101	70	130
pH - QCBatchID: EWL0369-OCT24													
pH	0.05	No unit	NA			1		99			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock UG TIR

Project : PO#1254179

31-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 22 October 2024

LR Report: CA19751-OCT24

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: CAML370576 FW1-550-E-MV	6: CAML370577 RP1-600-125-M V	7: CAML370578 DP1-575-104-M V
Sample Date & Time					10-Oct-24	10-Oct-24	10-Oct-24
Paste pH [no unit]	29-Oct-24	18:10	30-Oct-24	14:44	8.78	8.97	8.86
Fizz Rate [rating]	28-Oct-24	15:07	30-Oct-24	14:44	4	4	4
Sample weight [g]	25-Oct-24	10:19	30-Oct-24	14:44	2.00	2.01	2.02
HCl_add [mL]	29-Oct-24	14:22	30-Oct-24	14:44	162.00	140.00	180.00
HCl [Normality]	28-Oct-24	15:32	30-Oct-24	14:44	0.10	0.10	0.10
NaOH [Normality]	28-Oct-24	15:38	30-Oct-24	14:44	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	29-Oct-24	15:43	30-Oct-24	14:44	78.51	51.05	76.51
Final pH [no unit]	29-Oct-24	15:32	30-Oct-24	14:44	1.55	1.67	1.58
NP [t CaCO3/1000 t]	29-Oct-24	16:04	30-Oct-24	14:44	209	221	256
AP [t CaCO3/1000 t]	29-Oct-24	16:04	30-Oct-24	14:44	9.38	7.81	6.56
Net NP [t CaCO3/1000 t]	29-Oct-24	16:04	30-Oct-24	14:44	199	213	250
NP/AP [ratio]	29-Oct-24	16:04	30-Oct-24	14:44	22.3	28.3	39.0
S [%]	28-Oct-24	13:48	29-Oct-24	15:25	0.293	0.273	0.248
Acid Leachable SO4-S [%]	29-Oct-24	13:33	29-Oct-24	15:25	< 0.04	< 0.04	< 0.04
Sulphide [%]	29-Oct-24	13:26	29-Oct-24	15:25	0.30	0.25	0.21
C [%]	28-Oct-24	13:48	29-Oct-24	15:25	2.64	2.77	3.07
CO3 (HCl) as %CO3 [%]	29-Oct-24	08:27	29-Oct-24	15:25	13.3	14.0	15.4

Analysis	8: CAML370579 DP1-575-096-M V	9: CAML370580 FW1-475-E-MV	10: CAML370581 FW1-475-E-MV	11: CAML370582 RP5-150-125-M V	12: CAML370583 RP5-150-125-M V
Sample Date & Time	10-Oct-24	13-Oct-24	13-Oct-24	13-Oct-24	13-Oct-24
Paste pH [no unit]	8.99	8.72	8.70	8.99	8.87
Fizz Rate [rating]	4	4	4	4	4
Sample weight [g]	2.02	2.02	2.04	2.04	2.01
HCl_add [mL]	40.00	160.00	160.00	140.00	110.00
HCl [Normality]	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10

Analysis	8: CAMLM370579 DP1-575-096-M V	9: CAMLC370580 FW1-475-E-MV	10: CAMLM370581 FW1-475-E-MV	11: CAMLC370582 RP5-150-125-M V	12: CAMLC370583 RP5-150-125-M V
Vol NaOH to pH=8.3 [mL]	21.94	76.26	71.38	64.25	38.73
Final pH [no unit]	1.88	1.57	1.55	1.59	1.68
NP [t CaCO ₃ /1000 t]	44.7	207	217	186	177
AP [t CaCO ₃ /1000 t]	6.56	2.50	3.12	8.75	2.50
Net NP [t CaCO ₃ /1000 t]	38.1	205	214	177	175
NP/AP [ratio]	6.81	82.9	69.5	21.2	70.9
S [%]	0.246	0.091	0.113	0.280	0.124
Acid Leachable SO ₄ -S [%]	< 0.04	< 0.04	< 0.04	< 0.04	0.04
Sulphide [%]	0.21	0.08	0.10	0.28	0.08
C [%]	0.626	2.72	2.81	2.24	2.10
CO ₃ (HCl) as %CO ₃ [%]	3.13	13.7	14.1	11.3	10.5

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.

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	g	NA	Sample weight
	mL		MEND PROJECT 1.16.1B
	mL	NA	MEND PROJECT 1.16.1B
	no unit	NA	SM 4500
	Normality	NA	MEND PROJECT 1.16.1B
	rating	NA	MEND PROJECT 1.16.1B
	ratio	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
	t CaCO ₃ /1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Acid Potential	t CaCO ₃ /1000 t	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	t CaCO ₃ /1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	no unit	ME-CA-[ENV]ARD-LAK-AN-005	ARD Prediction Manual 2009

Catharine Arnold

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

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: ECS0065-OCT24													
Carbon (total)	0.005	%	<0.005			1	20				97	70	13
Sulphur (total)	0.005	%	<0.005			1	20				100	70	13
Carbon/Sulphur - QCBatchID: ECS0066-OCT24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0068-OCT24													
Sulphide	0.04	%	< 0.01			5	20	104	80	120			

20-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 22 October 2024
LR Report: CA19752-OCT24
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: CAMLM370576 FW1-550-E-MV	6: CAMLC370577 RP1-600-125-MV	7: CAMLM370578 DP1-575-104-MV	8: CAMLM370579 DP1-575-096-MV
Sample Date & Time					10-Oct-24	10-Oct-24	10-Oct-24	10-Oct-24
Ag [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	66000	53000	59000	74000
As [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	55	8.3	7.9	430
Ba [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	150	81	90	560
Be [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	0.61	0.73	0.40	2.0
Bi [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	72000	71000	98000	12000
Cd [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	0.11	0.11	0.14	0.13
Co [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	51	39	49	21
Cr [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	98	79	81	110
Cu [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	120	110	130	38
Fe [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	80000	65000	70000	50000
K [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	7100	6100	4800	19000
Li [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	92	73	86	42
Mg [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	28000	29000	25000	14000
Mn [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	1700	1400	1900	400
Mo [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	0.3	0.3	0.2	1.7
Ni [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	150	98	120	70

Analysis	1: Analysis Start Date	2: Analysis Start TimeCompleted	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM370576 FW1-550-E-MV	6: CAMLC370577 RP1-600-125-MV	7: CAMLM370578 DP1-575-104-MV	8: CAMLM370579 DP1-575-096-MV
P [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	190	240	180	430
Pb [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	4	4	5	12
Sb [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	< 0.8	1.0	< 0.8	< 0.8
Se [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	0.6	0.3	0.5	0.3
Sn [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	< 6	< 6	< 6	< 6
Sr [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	120	150	120	180
Ti [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	2500	2700	2200	2900
Tl [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	0.29	0.30	0.19	0.48
U [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	0.052	0.074	0.043	1.57
V [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	240	190	200	95
Y [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	12	10	15	6.2
Zn [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	120	66	89	71

Analysis	9: CAMLC370580 FW1-475-E-MV	10: CAMLM370581 FW1-475-E-MV	11: CAMLC370582 RP5-150-125-MV	12: CAMLC370583 RP5-150-125-MV
Sample Date & Time	13-Oct-24	13-Oct-24	13-Oct-24	13-Oct-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	66000	66000	66000	68000
As [µg/g]	10	13	8.7	6.9
Ba [µg/g]	65	66	22	14
Be [µg/g]	0.40	0.38	0.54	0.41
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	79000	83000	73000	69000
Cd [µg/g]	0.10	0.13	0.12	0.09
Co [µg/g]	47	49	53	52
Cr [µg/g]	100	150	100	88
Cu [µg/g]	110	120	190	110
Fe [µg/g]	70000	73000	80000	78000
K [µg/g]	2800	2500	3200	1000
Li [µg/g]	83	80	92	91
Mg [µg/g]	28000	29000	32000	28000

Analysis	9: CAMLC370580 FW1-475-E-MV	10: CAMLM370581 FW1-475-E-MV	11: CAMLC370582 RP5-150-125-MV	12: CAMLC370583 RP5-150-125-MV
Mn [µg/g]	1700	1800	1600	1700
Mo [µg/g]	0.1	0.2	0.1	0.1
Ni [µg/g]	130	140	130	130
P [µg/g]	170	170	190	200
Pb [µg/g]	3	3	3	2
Sb [µg/g]	< 0.8	< 0.8	0.9	1.2
Se [µg/g]	0.3	0.3	0.7	0.4
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	120	120	130	95
Ti [µg/g]	1800	1900	3500	4100
Tl [µg/g]	0.11	0.11	0.15	0.05
U [µg/g]	0.086	0.086	0.059	0.056
V [µg/g]	210	220	230	230
Y [µg/g]	7.5	7.8	13	15
Zn [µg/g]	82	85	92	93

Bulk Metals Suite



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

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: EMS0063-NOV24													
Calcium	3	µg/g	<3			3		94			81		
Phosphorus	3	µg/g	<3			2		94			87		
Potassium	3	µg/g	<3			3		99			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0063-NOV24													
Aluminum	3	µg/g	<3			3	20	108	70	130	81	70	130
Antimony	0.8	µg/g	<0.8			1	20	92	70	130	103	70	130
Arsenic	0.5	µg/g	<0.5			2	20	109	70	130	80	70	130
Barium	0.01	µg/g	<0.01			3	20	101	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			3	20	104	70	130	90	70	130
Bismuth	0.09	µg/g	<0.09			1	20	94	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			0	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			10	20	98	70	130	84	70	130
Cobalt	0.01	µg/g	<0.01			2	20	99	70	130	94	70	130
Copper	0.1	µg/g	<0.1			0	20	100	70	130	102	70	130
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			1	20	98	70	130	103	70	130
Lithium	2	µg/g	<2			1	20	101	70	130	99	70	130
Magnesium	3	µg/g	<3			3	20	99	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			2	20	103	70	130	96	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	92	70	130	102	70	130
Nickel	0.1	µg/g	<0.1			5	20	101	70	130	114	70	130
Selenium	0.1	µg/g	<0.1			10	20	101	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	100	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	105	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	104	70	130	77	70	130
Uranium	0.002	µg/g	<0.002			2	20	95	70	130	93	70	130
Vanadium	1	µg/g	<1			2	20	94	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			2	20	97	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	103	70	130	99	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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Works #: Waste Rock UG TIR

Project : PO#1254179

12-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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Phone: (819) 759-3555

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Date Rec. : 22 October 2024

LR Report: CA19753-OCT24

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: CAML370576 FW1-550-E-MV	6: CAML370577 RP1-600-125-M V	7: CAML370578 DP1-575-104-M V	8: CAML370579 DP1-575-096-M V
Sample Date & Time					10-Oct-24	10-Oct-24	10-Oct-24	10-Oct-24
Sample weight [g]	24-Oct-24	15:11	30-Oct-24	15:15	251	252	249	250
Volume D.I. Water [mL]	29-Oct-24	07:50	30-Oct-24	15:15	750	750	750	750
pH [no unit]	30-Oct-24	06:31	30-Oct-24	15:15	8.75	9.02	9.01	9.07
pH [No unit]	30-Oct-24	16:06	31-Oct-24	12:41	7.88	7.85	7.96	8.00
Conductivity [uS/cm]	30-Oct-24	16:06	31-Oct-24	12:41	265	426	290	214
Alkalinity [mg/L as CaCO ₃]	30-Oct-24	16:06	31-Oct-24	12:41	46	36	35	43
SO ₄ [mg/L]	30-Oct-24	16:17	31-Oct-24	07:41	6	10	7	5
Hg (diss) [mg/L]	01-Nov-24	14:48	04-Nov-24	08:07	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.526	0.421	0.805	1.07
As (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.0027	0.0012	0.0004	0.0332
Ba (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.00175	0.00163	0.00261	0.00261
B (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.052	0.079	0.209	0.074
Be (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	14.2	17.1	13.4	10.3
Cd (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.000008	< 0.000003	< 0.000003	0.000011
Co (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.000023	0.000042	0.000177	0.000098
Cr (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	5.81	4.95	3.92	12.9
Li (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.0020	0.0007	0.0012	0.0009
Mg (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	3.78	4.40	1.95	1.66
Mn (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.00280	0.00172	0.00198	0.00057
Mo (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.0237	0.0010	0.0015	0.0276
Na (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	23.5	49.1	33.0	14.0
Ni (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.0001	< 0.0001	< 0.0001	0.0061
Pb (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.0022	0.0013	0.0012	0.0049
Se (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.00007	0.00006	0.00006	0.00009
Si (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.81	0.86	0.75	0.91
Sn (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.00006	< 0.00006	< 0.00006	0.00007
Sr (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.138	0.209	0.189	0.0585
Ti (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.0001	< 0.0001	< 0.0001	0.0004

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR

Project : PO#1254179

LR Report : CA19753-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAML370576 FW1-550-E-MV	6: CAML370577 RP1-600-125-M V	7: CAML370578 DP1-575-104-M V	8: CAML370579 DP1-575-096-M V
TI (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.000020	0.000026	0.000017	0.000026
U (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.000009	0.000004	0.000004	0.000026
V (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.00036	0.00038	0.00051	0.00091
W (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	0.00117	0.00139	0.00197	0.00224
Y (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:55	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: CAML370580 FW1-475-E-MV	10: CAML370581 FW1-475-E-MV	11: CAML370582 RP5-150-125-M V	12: CAML370583 RP5-150-125-M V
Sample Date & Time	13-Oct-24	13-Oct-24	13-Oct-24	13-Oct-24
Sample weight [g]	249	251	249	251
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.14	9.11	9.14	9.40
pH [No unit]	7.94	8.10	7.89	7.77
Conductivity [uS/cm]	247	271	193	178
Alkalinity [mg/L as CaCO3]	37	44	32	28
SO4 [mg/L]	3	4	4	4
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]	0.669	0.641	0.930	0.984
As (diss) [mg/L]	0.0008	0.0018	0.0008	0.0008
Ba (diss) [mg/L]	0.00110	0.00108	0.00054	0.00040
B (diss) [mg/L]	0.116	0.127	0.054	0.043
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	11.1	11.1	10.2
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000048	0.000055	0.000117	0.000044
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	2.89	3.26	2.52	1.23
Li (diss) [mg/L]	0.0009	0.0012	0.0007	0.0006
Mg (diss) [mg/L]	2.70	3.36	1.75	1.31
Mn (diss) [mg/L]	0.00119	0.00156	0.00169	0.00107
Mo (diss) [mg/L]	0.0007	0.0005	0.0005	0.0008
Na (diss) [mg/L]	27.6	31.1	20.1	18.5
Ni (diss) [mg/L]	< 0.0001	< 0.0001	0.0026	0.0032
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0010	0.0011	0.0018	0.0024
Se (diss) [mg/L]	< 0.00004	< 0.00004	< 0.00004	< 0.00004
Si (diss) [mg/L]	0.83	0.79	0.69	0.71
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0405	0.0433	0.0938	0.0366
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000008	0.000009	0.000012	0.000009
U (diss) [mg/L]	< 0.000002	0.000004	0.000003	0.000003
V (diss) [mg/L]	0.00062	0.00054	0.00061	0.00085
W (diss) [mg/L]	0.00132	0.00195	0.00231	0.00177
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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

Page 2 of 5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at <https://www.sgs.ca/en/terms-and-conditions> (Printed copies are available upon request.)
 Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
 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.

SGS Canada Inc.

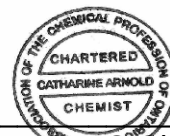
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock UG TIR
Project : PO#1254179
LR Report : CA19753-OCT24

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

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



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: EWL0737-OCT24													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8067-OCT24													
Sulphate	2	mg/L	<2			3	20	99	80	120	102	75	
Conductivity - QCBatchID: EWL0737-OCT24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0075-OCT24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			15	20	117	80	120	99	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0371-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	102	90	110	101	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			2	20	109	90	110	74	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			0	20	100	90	110	98	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	96	90	110	85	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	97	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	101	70	
Boron (dissolved)	0.002	mg/L	<0.002			2	20	101	90	110	101	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	99	90	110	93	70	
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	72	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			15	20	99	90	110	84	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	95	90	110	89	70	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	94	70	
Iron (dissolved)	0.007	mg/L	<0.007			0	20	101	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	102	90	110	95	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			3	20	104	90	110	94	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	98	90	110	93	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	98	90	110	112	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	109	90	110	100	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			17	20	99	90	110	92	70	
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	100	90	110	93	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			9	20	101	90	110	94	70	
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	99	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	105	90	110	73	70	
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	101	90	110	101	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	95	90	110	76	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	103	90	110	97	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			8	20	104	90	110	NV	70	

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)	0.0001	mg/L	<0.0001			9	20	108	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			2	20	103	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	99	90	110	92	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	92	90	110	75	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			18	20	97	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	96	70	130
pH - QCBatchID: EWL0737-OCT24													
pH	0.05	No unit	NA			0		100			NA		

APPENDIX B: TIR01 WASTE ROCK LABORATORY CERTIFICATES OF ANALYSIS

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

12-June-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. : 23 January 2024

LR Report: CA19171-JAN24

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-000939 -TIR01C-1004 5MS04-UO	6: ARDG-000940 -TIR01C-1004 5MS04-UO	7: ARDG-000941 -TIR01C-1004 5MS04-MV
Sample Date & Time					10-Jan-24	10-Jan-24	10-Jan-24
Paste pH [no unit]	05-Feb-24	17:06	08-Feb-24	16:38	8.37	8.18	8.56
Fizz Rate [rating]	05-Feb-24	14:53	08-Feb-24	16:38	3	3	3
Sample weight [g]	05-Feb-24	07:11	08-Feb-24	16:38	2.01	2.04	2.03
HCl_add [mL]	06-Feb-24	13:32	08-Feb-24	16:38	55.80	60.50	138.90
HCl [Normality]	05-Feb-24	15:30	08-Feb-24	16:38	0.10	0.10	0.10
NaOH [Normality]	05-Feb-24	15:30	08-Feb-24	16:38	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Feb-24	15:30	08-Feb-24	16:38	27.82	30.37	47.16
Final pH [no unit]	06-Feb-24	15:30	08-Feb-24	16:38	1.52	1.52	1.54
NP [t CaCO3/1000 t]	06-Feb-24	15:30	08-Feb-24	16:38	69.6	73.8	226
AP [t CaCO3/1000 t]	06-Feb-24	15:30	08-Feb-24	16:38	15.6	32.8	2.81
Net NP [t CaCO3/1000 t]	06-Feb-24	15:30	08-Feb-24	16:38	54.0	41.0	223
NP/AP [ratio]	06-Feb-24	15:30	08-Feb-24	16:38	4.45	2.25	80.4
S [%]	01-Feb-24	14:42	05-Feb-24	13:58	0.741	1.35	0.171
Acid Leachable SO4-S [%]	05-Feb-24	09:02	05-Feb-24	13:58	0.24	0.30	0.08
Sulphide [%]	01-Feb-24	12:40	05-Feb-24	13:58	0.50	1.05	0.09
C [%]	01-Feb-24	14:42	02-Feb-24	15:23	1.19	1.26	2.84
CO3 (HCl) as %CO3 [%]	02-Feb-24	10:55	02-Feb-24	15:23	5.65	6.08	14.1

Analysis	8: ARDG-000942 -TIR01C-1004 5MS04-MV	9: ARDG-000943 -TIR01C-1004 5MS04-UO	10: ARDG-000944 -TIR01C-1004 5MS04-UO	11: ARDG-000967 -TIR01C-1004 5MS04-UO
Sample Date & Time	11-Jan-24	11-Jan-24	12-Jan-24	12-Jan-24
Paste pH [no unit]	8.70	8.35	9.18	8.68
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.02	2.06	1.99	2.04
HCl_add [mL]	132.60	55.20	27.30	43.10

Analysis	8:	9:	10:	11:
	ARDG-000942	ARDG-000943	ARDG-000944	ARDG-000967
	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004
	5MS04-MV	5MS04-UO	5MS04-UO	5MS04-UO
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]	41.91	23.62	10.65	17.99
Final pH [no unit]	1.57	1.58	1.60	1.59
NP [t CaCO3/1000 t]	224	76.7	41.8	61.5
AP [t CaCO3/1000 t]	3.12	15.0	1.25	5.94
Net NP [t CaCO3/1000 t]	221	61.7	40.6	55.6
NP/AP [ratio]	71.8	5.11	33.4	10.4
S [%]	0.156	0.621	0.059	0.303
Acid Leachable SO4-S [%]	0.06	0.14	0.05	0.11
Sulphide [%]	0.10	0.48	< 0.04	0.19
C [%]	2.85	1.43	0.608	0.858
CO3 (HCl) as %CO3 [%]	14.0	5.80	2.80	3.97

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

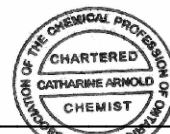
NP/AP Ratio = NP/AP

*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.

Revised report with QC Report added.

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



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-FEB24													
Sulphide	0.04	%	< 0.01			0	20	109	80	120			
Carbon/Sulphur - QCBatchID: ECS0003-FEB24													
Carbon (total)	0.005	%	<0.005			2	20				99	70	
Sulphur (total)	0.005	%	<0.005			2	20				104	70	
Carbon/Sulphur - QCBatchID: ECS0005-FEB24													
Sulphide	0.04	%	< 0.01			13	20	115	80	120			
Carbon/Sulphur - QCBatchID: ECS0006-FEB24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
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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

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

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

19-June-2024

Date Rec. : 23 January 2024
LR Report: CA19172-JAN24
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-000939-T IR01C-10045MS 04-UO	6: ARDG-000940-T IR01C-10045MS 04-UO	7: ARDG-000941-T IR01C-10045MS 04-MV	8: ARDG-000942-T IR01C-10045MS 04-MV	9: ARDG-000943-T IR01C-10045MS 04-UO	10: ARDG-000944-T IR01C-10045MS 04-UO	11: ARDG-000967-T IR01C-10045MS 04-UO
Sample Date & Time					10-Jan-24	10-Jan-24	10-Jan-24	11-Jan-24	11-Jan-24	12-Jan-24	12-Jan-24
Ag [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	< 0.5	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	51000	54000	66000	66000	56000	43000	52000
As [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	3900	7900	180	82	530	49	230
Ba [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	440	400	61	23	930	370	430
Be [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	1.3	1.2	0.32	0.35	1.3	1.1	1.0
Bi [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.15	0.28	< 0.09	< 0.09	0.30	0.11	0.13
Ca [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	22000	24000	87000	88000	24000	14000	23000
Cd [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.06	0.08	0.11	0.11	0.09	0.07	0.07
Co [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	8.5	7.7	48	49	8.4	6.9	6.3
Cr [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	33	32	110	95	33	23	20
Cu [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	30	42	140	120	29	33	52
Fe [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	76000	90000	75000	75000	74000	29000	60000
K [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	12000	11000	3200	2000	20000	14000	11000
Li [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	22	21	71	77	20	25	31
Mg [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	7200	7500	26000	29000	8700	4000	7300
Mn [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	370	430	1700	1800	320	170	290
Mo [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	1.9	2.9	0.5	0.3	2.3	2.3	3.6
Ni [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	18	16	130	140	22	10	11
P [µg/g]	31-Jan-24	11:53	05-Jun-24	09:21	380	410	170	180	450	250	340
Pb [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	13	16	4	4	36	6	26
Sb [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	1.7	3.1	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-000939-T Completed IR01C-10045MS Time	5: ARDG-000940-T IR01C-10045MS 04-UO	6: ARDG-000941-T IR01C-10045MS 04-UO	7: ARDG-000942-T IR01C-10045MS 04-MV	8: ARDG-000943-T IR01C-10045MS 04-MV	9: ARDG-000944-T IR01C-10045MS 04-UO	10: ARDG-000967-T IR01C-10045MS 04-UO	11: ARDG-000967-T IR01C-10045MS 04-UO
Se [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.2	0.3	0.4	0.4	0.3	< 0.1	0.2
Sn [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	290	300	110	130	390	270	290
Ti [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	1600	1500	900	1500	1300	1600	1300
Tl [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.27	0.26	0.13	0.09	0.56	0.24	0.22
U [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.67	0.75	0.078	0.054	1.50	0.36	0.58
V [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	35	32	200	200	30	25	23
Y [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	2.7	3.6	8.4	11	5.1	1.2	2.6
Zn [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	53	56	83	89	42	52	67

Revised report with Phosphorus and QC Report added.



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

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: EMS0301-JAN24													
Calcium	3	µg/g	<3			1		105			82		
Phosphorus	3	µg/g	<3			0		98			85		
Potassium	3	µg/g	<3			3		93			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0301-JAN24													
Aluminum	3	µg/g	<3			1	20	96	70	130	85	70	130
Antimony	0.8	µg/g	<0.8			15	20	106	70	130	105	70	130
Arsenic	0.5	µg/g	<0.5			1	20	102	70	130	89	70	130
Barium	0.01	µg/g	<0.01			0	20	101	70	130	111	70	130
Beryllium	0.02	µg/g	<0.02			1	20	97	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			2	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			13	20	104	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	101	70	130	78	70	130
Cobalt	0.01	µg/g	<0.01			4	20	103	70	130	93	70	130
Copper	0.1	µg/g	<0.1			3	20	102	70	130	106	70	130
Iron	3	µg/g	<3			2	20	101	70	130	93	70	130
Lead	0.05	µg/g	<0.05			0	20	101	70	130	110	70	130
Lithium	2	µg/g	<2			2	20	102	70	130	119	70	130
Magnesium	3	µg/g	<3			1	20	103	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			3	20	103	70	130	96	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	104	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			3	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	101	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	101	70	130	95	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	105	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			4	20	92	70	130	72	70	130
Uranium	0.002	µg/g	<0.002			4	20	106	70	130	92	70	130
Vanadium	1	µg/g	<1			2	20	93	70	130	91	70	130
Yttrium	0.004	µg/g	<0.004			1	20	101	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			5	20	107	70	130	95	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

12-June-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. : 23 January 2024

LR Report: CA19173-JAN24

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-000939 -TIR01C-1004 5MS04-UO	6: ARDG-000940 -TIR01C-1004 5MS04-UO	7: ARDG-000941 -TIR01C-1004 5MS04-MV
Sample Date & Time					10-Jan-24	10-Jan-24	10-Jan-24
Sample weight [g]	31-Jan-24	06:08	02-Feb-24	09:22	251	252	251
Volume D.I. Water [mL]	31-Jan-24	07:12	02-Feb-24	09:22	750	750	750
pH [no unit]	01-Feb-24	07:25	02-Feb-24	09:22	8.54	8.34	8.88
pH [No unit]	01-Feb-24	14:01	02-Feb-24	10:27	8.22	8.20	8.03
Conductivity [uS/cm]	01-Feb-24	14:01	02-Feb-24	10:27	331	437	195
Alkalinity [mg/L as CaCO3]	01-Feb-24	14:01	05-Feb-24	11:23	85	91	52
SO4 [mg/L]	01-Feb-24	09:54	01-Feb-24	16:39	46	65	7
Hg (diss) [mg/L]	05-Feb-24	11:43	05-Feb-24	14:23	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.291	0.207	0.615
As (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.0481	0.0472	0.0046
Ba (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.00876	0.0116	0.00178
B (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.020	0.022	0.012
Be (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	27.1	35.9	12.2
Cd (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.000010	0.000014	< 0.000003
Co (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.000029	0.000032	0.000010
Cr (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	< 0.002	< 0.002	< 0.002
Fe (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	< 0.007	< 0.007	0.011
K (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	20.6	19.3	4.55
Li (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.0032	0.0035	0.0011
Mg (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	8.86	11.0	2.49
Mn (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.00835	0.0136	0.00175
Mo (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.0168	0.0246	0.00194
Na (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	27.9	28.8	19.1
Ni (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.0002	0.0002	< 0.0001

Online LIMS

0003743311

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19173-JAN24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000939 -TIR01C-1004 5MS04-UO	6: ARDG-000940 -TIR01C-1004 5MS04-UO	7: ARDG-000941 -TIR01C-1004 5MS04-MV
Pb (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.0025	0.0021	< 0.0009
Se (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	0.00033	0.00038	0.00012
Si (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	1.78	1.76	1.06
Sn (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:19	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:20	0.177	0.241	0.0353
Ti (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:20	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:20	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:20	0.000351	0.000404	0.000006
V (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:20	0.00018	0.00015	0.00067
W (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:20	0.00205	0.00193	0.00094
Y (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:20	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	02-Feb-24	14:38	06-Feb-24	17:20	< 0.002	< 0.002	< 0.002

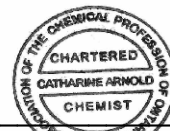
Analysis	8: ARDG-000942 -TIR01C-1004 5MS04-MV	9: ARDG-000943 -TIR01C-1004 5MS04-UO	10: ARDG-000944 -TIR01C-1004 5MS04-UO	11: ARDG-000967 -TIR01C-1004 5MS04-UO	12: ARDG-000967 -TIR01C-1004 5MS04-UO	13:BLK: \$D.I. Leachate Blank
Sample Date & Time	11-Jan-24	11-Jan-24	12-Jan-24	12-Jan-24		
Sample weight [g]	249	249	249	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	8.97	8.60	9.49	8.93	8.94	5.85
pH [No unit]	7.95	8.00	9.16	8.13	8.03	6.41
Conductivity [uS/cm]	154	441	185	208	206	2
Alkalinity [mg/L as CaCO3]	45	60	62	54	51	2
SO4 [mg/L]	9	72	5	31	29	< 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]	0.653	0.349	1.39	0.650	0.637	< 0.001
As (diss) [mg/L]	0.0034	0.0118	0.0873	0.0070	0.0069	< 0.0002
Ba (diss) [mg/L]	0.00067	0.0128	0.00860	0.00364	0.00376	< 0.00008
B (diss) [mg/L]	0.009	0.036	0.055	0.015	0.018	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	0.000017	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	11.0	27.1	4.14	13.7	13.2	0.02
Cd (diss) [mg/L]	0.000004	0.000013	0.000009	< 0.000003	0.000005	< 0.000003
Co (diss) [mg/L]	< 0.000004	0.000055	0.000230	< 0.000004	< 0.000004	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	0.00048	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe (diss) [mg/L]	< 0.007	0.008	0.650	0.009	< 0.007	< 0.007
K (diss) [mg/L]	2.89	25.9	10.6	12.7	12.6	0.213
Li (diss) [mg/L]	0.0012	0.0025	0.0019	0.0016	0.0015	0.0003
Mg (diss) [mg/L]	2.37	7.53	0.718	2.42	2.36	0.004

Analysis	8:	9:	10:	11:	12:	13:BLK:
	ARDG-000942	ARDG-000943	ARDG-000944	ARDG-000967	ARDG-000967	\$D.I.
	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	Leachate
	5MS04-MV	5MS04-UO	5MS04-UO	5MS04-UO	5MS04-UO	Blank
Mn (diss) [mg/L]	0.00221	0.00539	0.00309	0.00217	0.00159	0.00018
Mo (diss) [mg/L]	0.00141	0.00818	0.00538	0.00584	0.00632	0.00050
Na (diss) [mg/L]	14.7	32.3	27.6	16.8	16.5	0.01
Ni (diss) [mg/L]	< 0.0001	0.0002	0.0007	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	0.00029	0.00038	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	< 0.0009	0.0023	0.0047	0.0027	0.0027	< 0.0009
Se (diss) [mg/L]	0.00011	0.00075	0.00016	0.00027	0.00025	< 0.00004
Si (diss) [mg/L]	1.11	1.73	4.33	1.61	1.56	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0262	0.233	0.0245	0.109	0.108	< 0.00008
Ti (diss) [mg/L]	< 0.0001	< 0.0001	0.01017	< 0.0001	0.00011	< 0.0001
Tl (diss) [mg/L]	< 0.000005	0.000008	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000004	0.00105	0.000686	0.000200	0.000199	0.000002
V (diss) [mg/L]	0.00095	0.00013	0.00326	0.00027	0.00028	0.00002
W (diss) [mg/L]	0.00070	0.00503	0.00371	0.00401	0.00414	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	0.00013	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

Revised report with QC Report added.

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



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: EWL0017-FEB24													
Alkalinity	2	mg/L as Ca	< 2			0	20	94	80	120	NA		
Alkalinity - QCBatchID: EWL0019-FEB24													
Alkalinity	2	mg/L as Ca	< 2			1	20	102	80	120	NA		
Alkalinity - QCBatchID: EWL0046-FEB24													
Alkalinity	2	mg/L as Ca	< 2			0	20	98	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5003-FEB24													
Sulphate	2	mg/L	<2			ND	20	109	80	120	116	75 125	
Conductivity - QCBatchID: EWL0017-FEB24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0019-FEB24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0005-FEB24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	114	80	120	117	70 130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0018-FEB24													
Aluminum (dissolved)	0.001	mg/L	<0.001			2	20	102	90	110	124	70 130	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	107	90	110	110	70 130	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	104	70 130	
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	97	90	110	95	70 130	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	101	90	110	100	70 130	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	102	70 130	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	97	70 130	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	101	90	110	96	70 130	
Calcium (dissolved)	0.01	mg/L	<0.01			4	20	103	90	110	101	70 130	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	101	90	110	103	70 130	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	102	90	110	101	70 130	
Copper (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	103	70 130	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	102	90	110	100	70 130	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	99	70 130	
Lithium (dissolved)	0.0001	mg/L	<0.0001			5	20	103	90	110	94	70 130	
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	102	90	110	97	70 130	
Manganese (dissolved)	0.00001	mg/L	<0.00001			20	20	101	90	110	87	70 130	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	99	90	110	85	70 130	
Nickel (dissolved)	0.0001	mg/L	<0.0001			5	20	99	90	110	101	70 130	
Potassium (dissolved)	0.009	mg/L	<0.009			5	20	101	90	110	114	70 130	
Selenium (dissolved)	0.00004	mg/L	<0.00004			17	20	97	90	110	100	70 130	

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
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	101	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	100	90	110	73	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			4	20	104	90	110	98	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	100	90	110	101	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	100	90	110	95	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	95	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	102	90	110	93	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	101	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	103	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	111	70	130
pH - QCBatchID: EWL0017-FEB24													
pH	0.05	No unit	NA			0		101			NA		
pH - QCBatchID: EWL0019-FEB24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

17-June-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. : 23 January 2024

LR Report: CA19174-JAN24

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-000959 -TIR01C-1004 OMS07-MV	6: ARDG-000960 -TIR01C-1004 OMS07-MV	7: ARDG-000961 -TIR01C-1004 OMS07-MV
Sample Date & Time					05-Jan-24	05-Jan-24	05-Jan-24
Paste pH [no unit]	05-Feb-24	17:06	08-Feb-24	16:38	8.81	8.82	8.83
Fizz Rate [rating]	05-Feb-24	14:53	08-Feb-24	16:38	3	3	3
Sample weight [g]	05-Feb-24	07:11	08-Feb-24	16:38	2.01	2.00	2.08
HCl_add [mL]	06-Feb-24	13:32	08-Feb-24	16:38	118.60	127.20	196.40
HCl [Normality]	05-Feb-24	15:30	08-Feb-24	16:38	0.10	0.10	0.10
NaOH [Normality]	05-Feb-24	15:30	08-Feb-24	16:38	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Feb-24	15:30	08-Feb-24	16:38	34.21	39.50	106
Final pH [no unit]	06-Feb-24	15:30	08-Feb-24	16:38	1.61	1.62	1.53
NP [t CaCO3/1000 t]	06-Feb-24	15:30	08-Feb-24	16:38	210	219	218
AP [t CaCO3/1000 t]	06-Feb-24	15:30	08-Feb-24	16:38	6.56	6.88	5.94
Net NP [t CaCO3/1000 t]	06-Feb-24	15:30	08-Feb-24	16:38	203	212	212
NP/AP [ratio]	06-Feb-24	15:30	08-Feb-24	16:38	32.0	31.9	36.7
S [%]	05-Feb-24	12:54	06-Feb-24	13:23	0.371	0.263	0.316
Acid Leachable SO4-S [%]	06-Feb-24	06:23	06-Feb-24	13:23	0.16	0.04	0.13
Sulphide [%]	05-Feb-24	16:08	06-Feb-24	13:23	0.21	0.22	0.19
C [%]	05-Feb-24	12:54	06-Feb-24	13:23	2.94	2.83	2.82
CO3 (HCl) as %CO3 [%]	06-Feb-24	09:45	06-Feb-24	13:23	14.3	13.7	13.8

Analysis	8: ARDG-000962 -TIR01C-1004 OMS07-MV	9: ARDG-000963 -TIR01C-1004 OMS07-MV	10: ARDG-000964 -TIR01C-1004 OMS07-MV	11: ARDG-000965 -TIR01C-1004 OMS07-MV
Sample Date & Time	05-Jan-24	05-Jan-24	05-Jan-24	05-Jan-24
Paste pH [no unit]	9.20	8.70	8.78	8.80
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.02	1.99	2.05	2.03
HCl_add [mL]	126.60	107.70	142.80	164.40

Analysis	8:	9:	10:	11:
	ARDG-000962	ARDG-000963	ARDG-000964	ARDG-000965
	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004
	OMS07-MV	OMS07-MV	OMS07-MV	OMS07-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]	48.16	17.74	46.49	100
Final pH [no unit]	1.50	1.93	1.54	1.50
NP [t CaCO ₃ /1000 t]	194	226	235	158
AP [t CaCO ₃ /1000 t]	1.25	2.19	1.25	4.06
Net NP [t CaCO ₃ /1000 t]	193	224	234	154
NP/AP [ratio]	155	103	188	38.8
S [%]	0.120	0.172	0.126	0.144
Acid Leachable SO ₄ -S [%]	0.08	0.10	0.09	< 0.04
Sulphide [%]	0.04	0.07	0.04	0.13
C [%]	2.37	2.92	2.96	2.00
CO ₃ (HCl) as %CO ₃ [%]	11.6	14.2	14.2	9.35

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

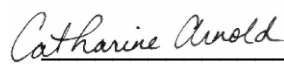
*Net NP (Net Neutralization Potential) = NP-AP

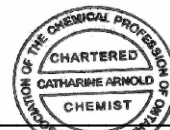
NP/AP Ratio = NP/AP

*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.

Revised report with QC Report added.


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



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: ECS0009-FEB24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0013-FEB24													
Carbon (total)	0.005	%	<0.005			0	20				99	70	
Sulphur (total)	0.005	%	<0.005			1	20				100	70	
Carbon/Sulphur - QCBatchID: ECS0015-FEB24													
Sulphide	0.04	%	< 0.01			6	20	98	80	120			
Carbon/Sulphur - QCBatchID: ECS0016-FEB24													
Sulphide	0.04	%	< 0.01			6	20	121	80	120			



SGS Canada Inc.

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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 #: Waste Rock OP TIR01
Project : PO#1254179

19-June-2024

Date Rec. : 23 January 2024
LR Report: CA19175-JAN24
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-000959-T IR01C-10040MS 07-MV	6: ARDG-000960-T IR01C-10040MS 07-MV	7: ARDG-000961-T IR01C-10040MS 07-MV	8: ARDG-000962-T IR01C-10040MS 07-MV	9: ARDG-000963-T IR01C-10040MS 07-MV	10: ARDG-000964-T IR01C-10040MS 07-MV	11: ARDG-000965-T IR01C-10040MS 07-MV
Sample Date & Time					05-Jan-24	05-Jan-24	05-Jan-24	05-Jan-24	05-Jan-24	05-Jan-24	05-Jan-24
Ag [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	67000	69000	65000	65000	65000	66000	71000
As [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	57	68	11	12	8.3	77	32
Ba [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	190	190	140	9	78	88	8
Be [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.54	0.54	0.38	0.28	0.27	0.31	0.28
Bi [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	84000	83000	83000	74000	88000	91000	100000
Cd [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.22	0.25	0.12	0.09	0.10	0.12	0.14
Co [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	47	51	51	48	51	50	51
Cr [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	101	86	81	81	81	89	89
Cu [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	100	110	100	120	130	130	130
Fe [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	74000	76000	69000	81000	76000	70000	74000
K [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	7400	7500	5000	340	3700	1200	160
Li [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	76	74	75	87	72	41	22
Mg [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	21000	21000	26000	41000	31000	22000	25000
Mn [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	2400	2300	1800	1500	1700	1900	2000
Mo [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.4	0.4	0.4	0.3	0.4	0.3	0.5
Ni [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	100	110	130	140	130	140	150
P [µg/g]	31-Jan-24	11:53	05-Jun-24	09:20	250	270	190	180	180	190	180
Pb [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	8	7	3	2	2	3	3
Sb [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	1.4



SGS Canada Inc.

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 : CA19175-JAN24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000959-T IR01C-10040MS 07-MV	6: ARDG-000960-T IR01C-10040MS 07-MV	7: ARDG-000961-T IR01C-10040MS 07-MV	8: ARDG-000962-T IR01C-10040MS 07-MV	9: ARDG-000963-T IR01C-10040MS 07-MV	10: ARDG-000964-T IR01C-10040MS 07-MV	11: ARDG-000965-T IR01C-10040MS 07-MV
Se [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.4	0.6	0.5	0.3	0.5	0.5	0.6
Sn [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	110	110	90	80	99	83	140
Ti [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	3900	4100	1700	930	1500	3900	4200
Tl [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.36	0.38	0.27	< 0.02	0.16	0.05	< 0.02
U [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	0.27	0.26	0.13	0.065	0.19	0.068	0.090
V [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	230	230	200	200	200	210	220
Y [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	8.0	7.7	8.7	8.9	9.6	16	17
Zn [µg/g]	31-Jan-24	11:53	02-Feb-24	11:08	120	120	93	86	85	87	88

Revised report with Phosphorus and QC Report added.

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

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: EMS0301-JAN24													
Calcium	3	µg/g	<3			1		105			82		
Phosphorus	3	µg/g	<3			0		98			85		
Potassium	3	µg/g	<3			3		93			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0301-JAN24													
Aluminum	3	µg/g	<3			1	20	96	70	130	85	70	130
Antimony	0.8	µg/g	<0.8			15	20	106	70	130	105	70	130
Arsenic	0.5	µg/g	<0.5			1	20	102	70	130	89	70	130
Barium	0.01	µg/g	<0.01			0	20	101	70	130	111	70	130
Beryllium	0.02	µg/g	<0.02			1	20	97	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			2	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			13	20	104	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	101	70	130	78	70	130
Cobalt	0.01	µg/g	<0.01			4	20	103	70	130	93	70	130
Copper	0.1	µg/g	<0.1			3	20	102	70	130	106	70	130
Iron	3	µg/g	<3			2	20	101	70	130	93	70	130
Lead	0.05	µg/g	<0.05			0	20	101	70	130	110	70	130
Lithium	2	µg/g	<2			2	20	102	70	130	119	70	130
Magnesium	3	µg/g	<3			1	20	103	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			3	20	103	70	130	96	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	104	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			3	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	101	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	101	70	130	95	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	105	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			4	20	92	70	130	72	70	130
Uranium	0.002	µg/g	<0.002			4	20	106	70	130	92	70	130
Vanadium	1	µg/g	<1			2	20	93	70	130	91	70	130
Yttrium	0.004	µg/g	<0.004			1	20	101	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			5	20	107	70	130	95	70	130

**SGS Canada Inc.**

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

mel
Works #: sys_loc_code=

Project : PO#1254179

17-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
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Phone: (819) 759-3555
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Date Rec. : 23 January 2024
LR Report: CA19176-JAN24
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-000959 -TIR01C-1004 0MS07-MV	6: ARDG-000960 -TIR01C-1004 0MS07-MV	7: ARDG-000961 -TIR01C-1004 0MS07-MV
Sample Date & Time					05-Jan-24	05-Jan-24	05-Jan-24
Sample weight [g]	29-Jan-24	07:39	30-Jan-24	11:52	249	251	250
Volume D.I. Water [mL]	29-Jan-24	08:17	30-Jan-24	11:52	750	750	750
pH [no unit]	30-Jan-24	09:31	30-Jan-24	11:52	9.29	9.31	9.08
pH [No unit]	30-Jan-24	11:57	31-Jan-24	10:14	9.09	9.04	8.03
Conductivity [uS/cm]	30-Jan-24	11:57	31-Jan-24	10:14	534	497	209
Alkalinity [mg/L as CaCO3]	30-Jan-24	11:57	31-Jan-24	10:14	99	89	50
SO4 [mg/L]	31-Jan-24	08:24	31-Jan-24	18:53	27	26	12
Hg (diss) [mg/L]	31-Jan-24	14:28	01-Feb-24	15:45	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.447	0.451	0.782
As (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.0370	0.0399	0.0028
Ba (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00267	0.00232	0.00134
B (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.211	0.168	0.020
Be (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	3.13	3.14	8.19
Cd (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	< 0.000003	0.000012	< 0.000003
Co (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.000165	0.000126	0.000034
Cr (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00046	0.00037	0.00008
Cu (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	< 0.002	< 0.002	< 0.002
Fe (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.161	0.077	< 0.007
K (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	11.3	10.9	8.62
Li (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.0013	0.0011	0.0007
Mg (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.759	0.809	1.51
Mn (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00181	0.00107	0.00122
Mo (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00313	0.0151	0.00250
Na (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	98.2	92.0	26.8
Ni (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.0002	0.0002	< 0.0001

Online LIMS

0003749075

**SGS Canada Inc.**

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

mel
 Works #: sys_loc_code=

Project : PO#1254179

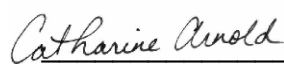
LR Report : CA19176-JAN24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000959 -TIR01C-1004 0MS07-MV	6: ARDG-000960 -TIR01C-1004 0MS07-MV	7: ARDG-000961 -TIR01C-1004 0MS07-MV
Pb (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00090	0.00016	< 0.00009
Sb (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.0024	0.0025	0.0013
Se (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00082	0.00069	0.00019
Si (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	1.90	1.70	1.19
Sn (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00710	0.00808	0.0200
Ti (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00269	0.00135	< 0.0001
Tl (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.000006	0.000005	0.000015
U (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.000121	0.000107	0.000008
V (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00335	0.00325	0.00138
W (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00157	0.00157	0.00160
Y (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	0.00004	0.00004	< 0.00002
Zn (diss) [mg/L]	02-Feb-24	09:28	05-Feb-24	10:16	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000962 -TIR01C-1004 0MS07-MV	9: ARDG-000963 -TIR01C-1004 0MS07-MV	10: ARDG-000964 -TIR01C-1004 0MS07-MV	11: ARDG-000965 -TIR01C-1004 0MS07-MV
Sample Date & Time	05-Jan-24	05-Jan-24	05-Jan-24	05-Jan-24
Sample weight [g]	249	249	249	251
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.41	9.07	8.65	8.95
pH [No unit]	9.18	7.98	7.90	7.80
Conductivity [uS/cm]	299	161	151	144
Alkalinity [mg/L as CaCO3]	80	40	41	36
SO4 [mg/L]	4	8	4	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]	0.724	0.561	0.770	0.680
As (diss) [mg/L]	0.0031	0.0209	0.0315	0.0062
Ba (diss) [mg/L]	0.00081	0.00153	0.00125	0.00128
B (diss) [mg/L]	0.010	0.091	0.011	0.019
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]	10.2	2.08	9.54	10.8
Cd (diss) [mg/L]	0.000004	0.000005	0.000007	0.000003
Co (diss) [mg/L]	0.000053	0.000062	0.000023	0.000022
Cr (diss) [mg/L]	< 0.00008	0.00038	< 0.00008	0.00024
Cu (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Fe (diss) [mg/L]	0.008	0.065	< 0.007	< 0.007
K (diss) [mg/L]	3.90	5.52	1.90	0.590
Li (diss) [mg/L]	0.0007	0.0007	0.0005	0.0006
Mg (diss) [mg/L]	1.66	0.366	1.52	2.34

Analysis	8:	9:	10:	11:
	ARDG-000962	ARDG-000963	ARDG-000964	ARDG-000965
	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004
	OMS07-MV	OMS07-MV	OMS07-MV	OMS07-MV
Mn (diss) [mg/L]	0.00104	0.00104	0.00145	0.00174
Mo (diss) [mg/L]	0.00688	0.00800	0.0124	0.00256
Na (diss) [mg/L]	11.5	56.5	17.9	14.3
Ni (diss) [mg/L]	0.0002	0.0002	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00014
Sb (diss) [mg/L]	0.0011	0.0014	0.0063	0.0055
Se (diss) [mg/L]	0.00045	0.00029	0.00018	0.00020
Si (diss) [mg/L]	1.00	1.62	1.20	1.51
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0255	0.00504	0.0212	0.0187
Ti (diss) [mg/L]	0.00011	0.00154	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000010	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000010	0.000016	0.000004	0.000005
V (diss) [mg/L]	0.00098	0.00385	0.00231	0.00183
W (diss) [mg/L]	0.00052	0.00086	0.00274	0.00207
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

SFE 3:1 ratio 24hr (MEND) prefilter pH
Revised report with QC Report added.



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

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: EWL0531-JAN24													
Alkalinity	2	mg/L as Ca	< 2			1	20	96	80	120	NA		
Alkalinity - QCBatchID: EWL0535-JAN24													
Alkalinity	2	mg/L as Ca	< 2			3	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5073-JAN24													
Sulphate	2	mg/L	<2			9	20	105	80	120	103	75	125
Conductivity - QCBatchID: EWL0531-JAN24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Conductivity - QCBatchID: EWL0535-JAN24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0061-JAN24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	113	80	120	115	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0310-JAN24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	98	90	110	97	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	107	90	110	111	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	98	90	110	101	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	97	90	110	102	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	103	90	110	112	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	74	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	101	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			14	20	100	90	110	101	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	99	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	99	90	110	93	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			10	20	94	90	110	98	70	130
Copper (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	102	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	102	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	97	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			4	20	100	90	110	104	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	101	90	110	107	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	97	90	110	112	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			0	20	100	90	110	88	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			4	20	97	90	110	100	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	102	90	110	112	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			9	20	97	90	110	100	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	85	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	102	90	110	81	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			3	20	98	90	110	85	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			0	20	98	90	110	94	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	97	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			19	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			4	20	96	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	101	90	110	105	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			9	20	98	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	98	90	110	105	70	130
pH - QCBatchID: EWL0531-JAN24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0535-JAN24													
pH	0.05	No unit	NA			1		99			NA		



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-June-2024

Date Rec. : 01 February 2024
LR Report: CA19007-FEB24
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-000966 -TIR01C-1004 5MS65-UO	6: ARDG-000968 -TIR01C-1004 5MS65-UO	7: ARDG-000969 -TIR01C-1004 5MS65-UO	8: ARDG-000970 -TIR01C-1004 5MS65-MV
Sample Date & Time					26-Jan-24	26-Jan-24	26-Jan-24	26-Jan-24
Paste pH [no unit]	21-Feb-24	11:11	22-Feb-24	16:24	7.69	8.12	8.32	8.87
Fizz Rate [rating]	20-Feb-24	08:20	22-Feb-24	16:24	3	3	3	3
Sample weight [g]	16-Feb-24	17:16	22-Feb-24	16:24	2.03	2.04	1.99	2.03
HCl_add [mL]	21-Feb-24	06:31	22-Feb-24	16:24	42.20	50.90	58.10	128.60
HCl [Normality]	20-Feb-24	08:48	22-Feb-24	16:24	0.10	0.10	0.10	0.10
NaOH [Normality]	20-Feb-24	08:48	22-Feb-24	16:24	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Feb-24	15:21	22-Feb-24	16:24	19.48	24.10	31.20	34.21
Final pH [no unit]	21-Feb-24	15:21	22-Feb-24	16:24	1.54	1.53	1.53	1.72
NP [t CaCO3/1000 t]	21-Feb-24	15:21	22-Feb-24	16:24	56.0	65.7	67.6	232
AP [t CaCO3/1000 t]	21-Feb-24	15:21	22-Feb-24	16:24	211	156	16.2	5.00
Net NP [t CaCO3/1000 t]	21-Feb-24	15:21	22-Feb-24	16:24	-154.62	-90.24	51.4	228
NP/AP [ratio]	21-Feb-24	15:21	22-Feb-24	16:24	0.27	0.42	4.16	46.5
S [%]	08-Feb-24	15:39	09-Feb-24	14:27	7.14	5.19	0.507	0.237
Acid Leachable SO4-S [%]	09-Feb-24	14:08	09-Feb-24	14:27	0.40	0.20	< 0.04	0.08
Sulphide [%]	09-Feb-24	14:04	09-Feb-24	14:27	6.74	4.99	0.52	0.16

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000966 -TIR01C-1004 5MS65-UO	6: ARDG-000968 -TIR01C-1004 5MS65-UO	7: ARDG-000969 -TIR01C-1004 5MS65-UO	8: ARDG-000970 -TIR01C-1004 5MS65-MV
C [%]	08-Feb-24	15:39	09-Feb-24	11:43	4.45	3.73	1.42	3.13
CO3 (HCl) as %CO3 [%]	09-Feb-24	11:17	09-Feb-24	11:43	6.57	5.89	6.77	15.3

Reissued to include QC Report

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

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: ECS0030-FEB24													
Carbon (total)	0.005	%	<0.005			ND	20				100	70	130
Sulphur (total)	0.005	%	<0.005			ND	20				102	70	130
Carbon/Sulphur - QCBatchID: ECS0034-FEB24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	98	80	120			
Carbon/Sulphur - QCBatchID: ECS0037-FEB24													
Sulphide	0.04	%	< 0.01			16	20	107	80	120			

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

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

11-June-2024

Date Rec. : 01 February 2024
LR Report: CA19008-FEB24
Reference: Meliadine - PO#1254179

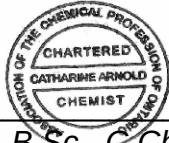
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CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000966- TIR01C-10045 MS65-UO	6: ARDG-000968- TIR01C-10045 MS65-UO	7: ARDG-000969- TIR01C-10045 MS65-UO	8: ARDG-000970- TIR01C-1004 5MS65-MV
Sample Date & Time					26-Jan-24	26-Jan-24	26-Jan-24	26-Jan-24
Ag [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	1.0	0.5	< 0.5	< 0.5
Al [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	73000	71000	55000	70000
As [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	3000	2500	120	47
Ba [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	180	210	300	150
Be [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	1.7	1.6	1.00	0.48
Bi [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	1.8	1.2	0.11	< 0.09
Ca [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	14000	17000	22000	83000
Cd [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	11	5.7	0.11	0.15
Co [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	49	53	8.9	44
Cr [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	98	86	39	120
Cu [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	360	250	26	87
Fe [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	84000	73000	120000	72000
K [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	30000	27000	9500	5600
Li [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	13	15	20	69
Mg [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	9600	9800	9100	26000

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000966- TIR01C-10045 MS65-UO	6: ARDG-000968- TIR01C-10045 MS65-UO	7: ARDG-000969- TIR01C-10045 MS65-UO	8: ARDG-000970 -TIR01C-1004 5MS65-MV
Mn [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	460	430	350	1600
Mo [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	6.8	4.9	2.2	0.8
Ni [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	130	87	20	110
P [µg/g]	08-Feb-24	21:49	05-Jun-24	09:21	470	490	590	230
Pb [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	36	32	7	4
Sb [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	3.7	3.1	< 0.8	< 0.8
Se [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	4.4	3.1	0.2	0.3
Sn [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	6	< 6	< 6	< 6
Sr [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	110	140	250	150
Ti [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	630	930	1600	1300
Tl [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	1.9	1.6	0.09	0.09
U [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	1.5	1.4	1.2	0.046
V [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	87	78	50	210
Y [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	7.7	6.2	4.8	7.4
Zn [µg/g]	08-Feb-24	21:49	13-Feb-24	12:10	4100	2100	81	92

Catharine Arnold

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

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: EMS0061-FEB24													
Calcium	3	µg/g	<3			1		100			85		
Phosphorus	3	µg/g	<3			10		103			90		
Potassium	3	µg/g	<3			1		100			98		
Metals - Microwave/ICP-MS - QCBatchID: EMS0061-FEB24													
Aluminum	3	µg/g	<3			5	20	95	70	130	86	70	130
Antimony	0.8	µg/g	<0.8			ND	20	100	70	130	126	70	130
Arsenic	0.5	µg/g	<0.5			ND	20	101	70	130	92	70	130
Barium	0.01	µg/g	<0.01			5	20	98	70	130	108	70	130
Beryllium	0.02	µg/g	<0.02			5	20	105	70	130	92	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	99	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	100	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			18	20	103	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			7	20	99	70	130	90	70	130
Copper	0.1	µg/g	<0.1			13	20	102	70	130	99	70	130
Iron	3	µg/g	<3			2	20	104	70	130	98	70	130
Lead	0.05	µg/g	<0.05			ND	20	100	70	130	108	70	130
Lithium	2	µg/g	<2			6	20	103	70	130	105	70	130
Magnesium	3	µg/g	<3			5	20	103	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			1	20	102	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			ND	20	95	70	130	92	70	130
Nickel	0.1	µg/g	<0.1			1	20	100	70	130	103	70	130
Selenium	0.1	µg/g	<0.1			ND	20	101	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	100	70	130	94	70	130
Thallium	0.02	µg/g	<0.02			8	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	94	70	130	77	70	130
Uranium	0.002	µg/g	<0.002			16	20	96	70	130	95	70	130
Vanadium	1	µg/g	<1			1	20	99	70	130	92	70	130
Yttrium	0.004	µg/g	<0.004			6	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	104	70	130	95	70	130

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
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mel
Works #: Waste Rock OP TIR06
Project : PO#1380289

20-June-2024

Date Rec. : 01 February 2024
LR Report: CA19009-FEB24
Reference: Meliadine - PO#1380289

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-000966-TI R01C-10045MS 5-UO	6: ARDG-000968-TI R01C-10045MS 5-UO	7: ARDG-000969-TI R01C-10045MS 5-UO	8: ARDG-000970-T IR01C-10045MS 65-MV	9: ARDG-000970-T IR01C-10045MS 65-MV
Sample Date & Time					26-Jan-24	26-Jan-24	26-Jan-24	26-Jan-24	
Sample weight [g]	29-Feb-24	13:31	04-Mar-24	16:36	251	250	251	250	250
Volume D.I. Water [mL]	03-Mar-24	09:30	04-Mar-24	16:36	750	750	750	750	750
pH [no unit]	04-Mar-24	07:33	04-Mar-24	16:36	7.50	7.84	8.37	8.76	8.79
pH [No unit]	04-Mar-24	14:02	05-Mar-24	09:53	8.02	8.04	8.17	8.20	8.15
Conductivity [uS/cm]	04-Mar-24	14:02	05-Mar-24	09:53	877	970	540	197	201
Alkalinity [mg/L as CaCO3]	04-Mar-24	14:02	05-Mar-24	09:53	56	78	85	63	64
SO4 [mg/L]	05-Mar-24	07:12	05-Mar-24	14:37	210	240	63	15	17
Hg (diss) [mg/L]	05-Mar-24	12:34	05-Mar-24	17:11	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00021	0.00034	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.035	0.053	0.180	0.571	0.537
As (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0067	0.0079	0.0021	0.0174	0.0171
Ba (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0123	0.0160	0.0101	0.00076	0.00082
B (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.060	0.064	0.040	0.010	0.009
Be (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	60.0	81.7	39.1	13.3	13.2
Cd (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.000814	0.000394	0.000007	< 0.000003	< 0.000003
Co (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00211	0.00118	0.000057	0.000043	0.000037
Cr (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00008	0.00010	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Fe (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000966-TI R01C-10045MS6 5-UO	6: ARDG-000968-TI R01C-10045MS6 5-UO	7: ARDG-000969-TI R01C-10045MS6 5-UO	8: ARDG-000970-T R01C-10045MS 65-MV	9: ARDG-000970-T R01C-10045MS 65-MV
K (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	25.8	34.1	13.5	5.79	5.83
Li (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0119	0.0127	0.0029	0.0017	0.0017
Mg (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	27.4	29.0	13.0	5.54	5.32
Mn (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.285	0.167	0.0113	0.00283	0.00295
Mo (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0128	0.0231	0.0158	0.0030	0.0030
Na (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	61.3	56.6	44.3	17.4	17.4
Ni (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0039	0.0023	0.0004	0.0002	0.0002
Pb (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0019	0.0022	< 0.0009	0.0011	0.0011
Se (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00942	0.00768	0.00069	0.00030	0.00026
Si (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	2.20	2.13	1.51	1.37	1.30
Sn (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.170	0.285	0.282	0.0250	0.0245
Ti (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Tl (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.000068	0.000077	0.000015	0.000007	0.000008
U (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.000241	0.000680	0.000452	0.000010	0.000020
V (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00008	0.00008	0.00010	0.00098	0.00090
W (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00177	0.00300	0.00152	0.00225	0.00238
Y (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.064	0.025	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0043-MAR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5003-MAR24													
Sulphate	2	mg/L	<2			17	20	108	80	120	112	75	125
Anions by discrete analyzer - QCBatchID: DIO5006-MAR24													
Sulphate	2	mg/L	<2			ND	20	102	80	120	108	75	125
Conductivity - QCBatchID: EWL0043-MAR24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0008-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	NV	80	120	94	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0037-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			10	20	110	90	110	107	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			16	20	104	90	110	116	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			17	20	102	90	110	104	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			17	20	105	90	110	101	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	105	90	110	91	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	104	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	102	90	110	98	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	96	90	110	115	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			16	20	101	90	110	96	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			6	20	101	90	110	107	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			11	20	94	90	110	123	70	130
Copper (dissolved)	0.002	mg/L	<0.001			14	20	97	90	110	105	70	130
Iron (dissolved)	0.007	mg/L	<0.007			4	20	98	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			2	20	96	90	110	97	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			16	20	98	90	110	93	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	101	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			13	20	101	90	110	112	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			11	20	90	90	110	121	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			16	20	96	90	110	117	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			17	20	101	90	110	93	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			4	20	106	90	110	98	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			15	20	109	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	90	90	110	94	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			17	20	95	90	110	95	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			16	20	101	90	110	94	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			18	20	99	90	110	104	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			5	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			15	20	97	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			17	20	99	90	110	100	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			17	20	100	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	95	70	130
pH - QCBatchID: EWL0043-MAR24													
pH	0.05	No unit	NA			0		101			NA		



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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine

, Nunavut

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mel
Works #: Waste Rock OP TIRO1
Project : PO#1380289

20-June-2024

Date Rec. : 14 February 2024
LR Report: CA19141-FEB24
Reference: PO#1380289

Copy: #3

CERTIFICATE OF ANALYSIS

Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed	5: ARDG-000975 -TIR01C-1004 Time 5MS69-Ksc-w a	6: ARDG-000976 -TIR01C-1004 5MS69-Ksc-w a	7: ARDG-000980 -TIR01C-1004 5MS69-MV	8: ARDG-000978 -TIR01C-1004 5MS69-Ksc-w a	9: ARDG-000979 -TIR01C-1004 5MS69-MV
Sample Date & Time					02-Feb-24	02-Feb-24	05-Feb-24	02-Feb-24	02-Feb-24
Paste pH [no unit]	26-Feb-24	15:28	28-Feb-24	12:15	9.05	9.03	8.93	9.17	8.89
Fizz Rate [rating]	26-Feb-24	15:28	28-Feb-24	12:15	3	3	3	3	3
Sample weight [g]	26-Feb-24	15:28	28-Feb-24	12:15	2.04	1.95	1.99	2.00	2.01
HCl_add [mL]	27-Feb-24	13:58	28-Feb-24	12:15	38.50	39.10	94.30	85.30	124.70
HCl [Normality]	26-Feb-24	15:28	28-Feb-24	12:15	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	26-Feb-24	15:28	28-Feb-24	12:15	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	27-Feb-24	15:56	28-Feb-24	12:15	13.46	14.46	28.51	30.89	33.79
Final pH [no unit]	27-Feb-24	15:31	28-Feb-24	12:15	1.58	1.56	1.82	1.51	1.59
NP [t CaCO3/1000 t]	27-Feb-24	15:56	28-Feb-24	12:15	61.4	63.2	165	136	226
AP [t CaCO3/1000 t]	28-Feb-24	12:15	28-Feb-24	12:15	6.56	4.06	3.75	3.12	5.00
Net NP [t CaCO3/1000 t]	28-Feb-24	12:15	28-Feb-24	12:15	54.8	59.1	162	133	221
NP/AP [ratio]	28-Feb-24	12:15	28-Feb-24	12:15	9.36	15.6	44.1	43.5	45.2
S [%]	22-Feb-24	08:21	23-Feb-24	09:15	0.305	0.277	0.174	0.172	0.166
Acid Leachable SO4-S [%]	23-Feb-24	09:15	23-Feb-24	09:15	0.10	0.15	0.05	0.07	< 0.04
Sulphide [%]	22-Feb-24	16:57	23-Feb-24	09:15	0.21	0.13	0.12	0.10	0.16



SGS Canada Inc.

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mel
Works #: Waste Rock OP TIRO1
Project : PO#1380289
LR Report : CA19141-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed	5: ARDG-000975 -TIR01C-1004 Time 5MS69-Ksc-w a	6: ARDG-000976 -TIR01C-1004 5MS69-Ksc-w a	7: ARDG-000980 -TIR01C-1004 5MS69-MV	8: ARDG-000978 -TIR01C-1004 5MS69-Ksc-w a	9: ARDG-000979 -TIR01C-1004 5MS69-MV
C [%]	22-Feb-24	08:21	23-Feb-24	09:15	0.990	1.050	3.978	1.934	3.025
CO3 (HCl) as %CO3 [%]	23-Feb-24	08:08	26-Feb-24	09:13	4.60	4.78	19.4	9.26	14.7

Reissued to include QC Report

Revised report with correct sampling date on sample ARDG-000980-TIR01C-10045MS69-MV

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0070-FEB24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	117	80	120			
Carbon/Sulphur - QCBatchID: ECS0073-FEB24													
Carbon (total)	0.005	%	<0.005			4	20				100	70 130	
Sulphur (total)	0.005	%	<0.005			1	20				101	70 130	
Carbon/Sulphur - QCBatchID: ECS0078-FEB24													
Sulphide	0.04	%	< 0.01			ND	20	108	80	120			

19-June-2024

Agnico Eagle Mines Limited

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Date Rec. : 14 February 2024
LR Report: CA19142-FEB24
Reference: PO#1254179

Copy: #3

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-000975-T IR01C-10045MS 69-Ksc-wa	6: ARDG-000976-T IR01C-10045MS 69-Ksc-wa	7: ARDG-000980-T IR01C-10045MS 69-MV	8: ARDG-000978-T IR01C-10045MS 69-Ksc-wa	9: ARDG-000979-T IR01C-10045MS 69-MV
Sample Date & Time					02-Feb-24	02-Feb-24	05-Feb-24	02-Feb-24	02-Feb-24
Ag [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	39000	42000	55000	49000	64000
As [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	3600	2000	110	190	8.6
Ba [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	300	370	51	440	60
Be [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	0.84	0.98	0.43	0.99	0.38
Bi [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	0.47	0.25	< 0.09	0.17	< 0.09
Ca [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	14000	12000	64000	28000	87000
Cd [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	0.14	0.57	0.10	0.29	0.11
Co [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	13	19	45	15	44
Cr [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	105	72	88	58	89
Cu [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	33	50	110	32	97
Fe [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	27000	32000	76000	30000	74000
K [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	12000	15000	6600	20000	4600
Li [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	16	22	45	12	58
Mg [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	12000	14000	36000	14000	24000
Mn [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	350	380	1400	570	1900
Mo [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	3.6	3.5	0.5	5.9	0.4
Ni [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	47	65	120	57	130
P [µg/g]	23-Feb-24	13:57	05-Jun-24	09:28	370	480	160	510	200
Pb [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	30	20	5	11	4



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIRO1
Project : PO#1254179
LR Report : CA19142-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000975-T IR01C-10045MS 69-Ksc-wa	6: ARDG-000976-T IR01C-10045MS 69-Ksc-wa	7: ARDG-000980-T IR01C-10045MS 69-MV	8: ARDG-000978-T IR01C-10045MS 69-Ksc-wa	9: ARDG-000979-T IR01C-10045MS 69-MV
Sb [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	1.4	0.8	0.9	< 0.8	< 0.8
Se [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	0.3	0.2	0.3	< 0.1	0.3
Sn [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	91	93	130	200	110
Ti [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	560	670	1100	1100	3900
Tl [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	0.45	0.63	0.15	0.66	0.13
U [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	1.48	1.20	0.030	0.83	0.040
V [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	58	68	170	65	190
Y [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	3.7	3.5	3.1	3.4	13.0
Zn [µg/g]	23-Feb-24	13:57	29-Feb-24	11:23	92	200	80	100	84

Revised report with Phosphorus and QC Report added.

Revised report with correct sampling date on sample ARDG-000980-TIR01C-10045MS69-MV

Bulk Metals Suite

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

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: EMS0202-FEB24													
Calcium	3	µg/g	<3			3		101			86		
Phosphorus	3	µg/g	<3			9		102			90		
Potassium	3	µg/g	<3			3		102			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0202-FEB24													
Aluminum	3	µg/g	<3			3	20	97	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			0	20	105	70	130	112	70	130
Arsenic	0.5	µg/g	<0.5			4	20	96	70	130	91	70	130
Barium	0.01	µg/g	<0.01			1	20	96	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			0	20	91	70	130	87	70	130
Bismuth	0.09	µg/g	<0.09			0	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			0	20	96	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			0	20	96	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			0	20	95	70	130	86	70	130
Copper	0.1	µg/g	<0.1			0	20	96	70	130	93	70	130
Iron	3	µg/g	<3			1	20	106	70	130	98	70	130
Lead	0.05	µg/g	<0.05			0	20	97	70	130	105	70	130
Lithium	2	µg/g	<2			0	20	91	70	130	100	70	130
Magnesium	3	µg/g	<3			1	20	104	70	130	100	70	130
Manganese	0.1	µg/g	<0.1			1	20	95	70	130	91	70	130
Molybdenum	0.1	µg/g	<0.1			0	20	94	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			5	20	99	70	130	103	70	130
Selenium	0.1	µg/g	<0.1			0	20	97	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	100	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	95	70	130	93	70	130
Thallium	0.02	µg/g	<0.02			ND	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	105	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			5	20	102	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			0	20	100	70	130	96	70	130
Vanadium	1	µg/g	<1			0	20	96	70	130	91	70	130
Yttrium	0.004	µg/g	<0.004			1	20	96	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	100	70	130	93	70	130



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
Works #: Waste Rock OP TIRO1
Project : PO#1254179

20-June-2024

Date Rec. : 14 February 2024
LR Report: CA19143-FEB24
Reference: 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-000975-T IR01C-10045MS 69-Ksc-wa	6: ARDG-000976-T IR01C-10045MS 69-Ksc-wa	7: ARDG-000980-T IR01C-10045MS 69-MV	8: ARDG-000978-T IR01C-10045MS 69-Ksc-wa	9: ARDG-000979-T IR01C-10045MS 69-MV
Sample Date & Time					02-Feb-24	02-Feb-24	05-Feb-24	02-Feb-24	02-Feb-24
Sample weight [g]	26-Feb-24	07:14	27-Feb-24	11:39	250	250	250	249	250
Volume D.I. Water [mL]	26-Feb-24	07:44	27-Feb-24	11:39	750	750	750	750	750
pH [no unit]	27-Feb-24	07:03	27-Feb-24	11:39	9.28	9.31	9.02	9.34	9.09
pH [No unit]	27-Feb-24	08:41	27-Feb-24	15:43	8.64	8.72	8.53	8.84	8.28
Conductivity [uS/cm]	27-Feb-24	08:41	27-Feb-24	15:43	214	245	257	265	142
Alkalinity [mg/L as CaCO3]	27-Feb-24	08:41	27-Feb-24	15:43	49	54	79	60	40
SO4 [mg/L]	27-Feb-24	10:19	28-Feb-24	16:27	12	16	17	20	8
Hg (diss) [mg/L]	28-Feb-24	13:49	28-Feb-24	16:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.453	0.525	0.349	0.647	0.766
As (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	1.55	0.672	0.0037	0.186	0.0012
Ba (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.00160	0.00211	0.00086	0.00190	0.00035
B (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.022	0.025	0.019	0.021	0.009
Be (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	9.76	9.45	10.8	9.69	9.49
Cd (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.000005	0.000006	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.000033	0.000032	0.000025	0.000026	0.000008
Cr (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.00011	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000975-T IR01C-10045MS 69-Ksc-wa	6: ARDG-000976-T IR01C-10045MS 69-Ksc-wa	7: ARDG-000980-T IR01C-10045MS 69-MV	8: ARDG-000978-T IR01C-10045MS 69-Ksc-wa	9: ARDG-000979-T IR01C-10045MS 69-MV
Fe (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	11.6	13.7	5.58	21.0	3.99
Li (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.0015	0.0014	0.0014	0.0010	0.0009
Mg (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	3.13	2.83	7.58	2.98	1.60
Mn (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.00110	0.00106	0.00195	0.00173	0.00180
Mo (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.0170	0.0141	0.0042	0.0079	0.0017
Na (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	18.8	23.9	24.7	23.0	12.7
Ni (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.0002	0.0003	0.0002	0.0002	< 0.0001
Pb (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.0021	0.0016	0.0025	0.0010	0.0011
Se (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.00032	0.00021	0.00054	0.00038	0.00019
Si (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	2.17	1.81	1.07	1.75	0.88
Sn (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.0252	0.0251	0.0192	0.0364	0.0169
Ti (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.0001	0.0001	< 0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.000011	0.000016	0.000007	0.000025	0.000006
U (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.000474	0.000208	0.000009	0.000300	0.000005
V (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.00464	0.00345	0.00054	0.00310	0.00092
W (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	0.0182	0.00808	0.00096	0.00405	0.00461
Y (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:29	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0431-FEB24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5067-FEB24													
Sulphate	2	mg/L	<2			ND	20	106	80	120	107	75	125
Conductivity - QCBatchID: EWL0431-FEB24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0057-FEB24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	108	80	120	110	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0242-FEB24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	94	90	110	106	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	113	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	97	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	96	90	110	99	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	98	90	110	99	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	100	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	96	90	110	96	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	96	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			4	20	96	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	99	90	110	104	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	93	90	110	93	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	105	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	100	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	99	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	94	90	110	96	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	100	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			3	20	96	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	100	90	110	93	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			7	20	98	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	97	90	110	91	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	96	90	110	99	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	96	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	88	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	98	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	95	90	110	96	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	99	90	110	92	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	97	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	102	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	109	70	130
pH - QCBatchID: EWL0431-FEB24													
pH	0.05	No unit	NA			0		100			NA		



SGS Canada Inc.

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Agnico Eagle Mines Limited

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

20-June-2024

Date Rec. : 14 February 2024
LR Report: CA19144-FEB24
Reference: 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	5: ARDG-000981 -TIR01C-1004 Time 5MS71-Ksc-w a	6: ARDG-000982 -TIR01C-1004 5MS71-Ksc-w a	7: ARDG-000983 -TIR01C-1004 5MS71-Ksc-w a	8: ARDG-000984 -TIR01C-1004 5MS71-MV
Sample Date & Time					06-Feb-24	06-Feb-24	06-Feb-24	06-Feb-24
Paste pH [no unit]	26-Feb-24	15:28	28-Feb-24	12:15	9.02	9.11	8.95	7.81
Fizz Rate [rating]	26-Feb-24	15:28	28-Feb-24	12:15	3	3	3	3
Sample weight [g]	26-Feb-24	15:28	28-Feb-24	12:15	2.00	1.98	2.03	2.02
HCl_add [mL]	27-Feb-24	13:58	28-Feb-24	12:15	40.70	36.50	95.60	55.80
HCl [Normality]	26-Feb-24	15:28	28-Feb-24	12:15	0.10	0.10	0.10	0.10
NaOH [Normality]	26-Feb-24	15:28	28-Feb-24	12:15	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	27-Feb-24	15:56	28-Feb-24	12:15	16.72	15.02	27.65	17.68
Final pH [no unit]	27-Feb-24	15:31	28-Feb-24	12:15	1.54	1.53	1.56	1.72
NP [t CaCO3/1000 t]	27-Feb-24	15:56	28-Feb-24	12:15	60.0	54.2	167	94.4
AP [t CaCO3/1000 t]	28-Feb-24	12:15	28-Feb-24	12:15	6.88	2.50	4.06	185
Net NP [t CaCO3/1000 t]	28-Feb-24	12:15	28-Feb-24	12:15	53.1	51.7	163	-90.91
NP/AP [ratio]	28-Feb-24	12:15	28-Feb-24	12:15	8.73	21.7	41.2	0.51
S [%]	22-Feb-24	08:21	23-Feb-24	09:15	0.258	0.188	0.183	6.23
Acid Leachable SO4-S [%]	23-Feb-24	09:16	23-Feb-24	09:15	< 0.04	0.11	< 0.04	< 0.04
Sulphide [%]	22-Feb-24	16:57	23-Feb-24	09:15	0.22	0.08	0.13	5.93



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19144-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-000981 Completed -TIR01C-1004 Time 5MS71-Ksc-w	5: Analysis ARDG-000982 Completed -TIR01C-1004 5MS71-Ksc-w a	6: Analysis ARDG-000983 Completed -TIR01C-1004 5MS71-Ksc-w a	7: Analysis ARDG-000984 Completed -TIR01C-1004 5MS71-Ksc-w a	8: Analysis ARDG-000984 Completed -TIR01C-1004 5MS71-MV
C [%]	22-Feb-24	08:21	23-Feb-24	09:15	1.01	0.885	2.21	4.01
CO3 (HCl) as %CO3 [%]	23-Feb-24	08:08	26-Feb-24	09:13	4.56	3.97	10.8	6.76

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0070-FEB24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	117	80	120			
Carbon/Sulphur - QCBatchID: ECS0073-FEB24													
Carbon (total)	0.005	%	<0.005			4	20				100	70 130	
Sulphur (total)	0.005	%	<0.005			1	20				101	70 130	
Carbon/Sulphur - QCBatchID: ECS0078-FEB24													
Sulphide	0.04	%	< 0.01			ND	20	108	80	120			



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
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
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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179

19-June-2024

Date Rec. : 14 February 2024
LR Report: CA19145-FEB24
Reference: 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-000981-T IR01C-10045MS 71-Ksc-wa	6: ARDG-000982-T IR01C-10045MS 71-Ksc-wa	7: ARDG-000983-T IR01C-10045MS 71-Ksc-wa	8: ARDG-000984-T IR01C-10045MS 71-MV
Sample Date & Time					06-Feb-24	06-Feb-24	06-Feb-24	06-Feb-24
Ag [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	< 0.5	< 0.5	< 0.5	0.6
Al [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	53000	49000	67000	55000
As [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	170	140	15	5000
Ba [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	480	490	7	240
Be [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	1.1	1.1	0.25	0.98
Bi [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	0.16	0.15	< 0.09	1.8
Ca [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	13000	11000	76000	27000
Cd [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	0.12	0.10	0.10	1.6
Co [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	22	23	46	60
Cr [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	68	83	89	89
Cu [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	54	45	110	240
Fe [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	38000	38000	78000	110000
K [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	20000	20000	200	13000
Li [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	29	29	44	30
Mg [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	16000	16000	28000	14000
Mn [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	400	350	1600	620
Mo [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	2.0	2.5	1.5	2.9
Ni [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	83	80	140	90
P [µg/g]	23-Feb-24	13:57	05-Jun-24	09:22	550	550	210	540
Pb [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	12	12	2	64

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-000981-T Completed IR01C-10045MS Time	5: ARDG-000982-T IR01C-10045MS 71-Ksc-wa	6: ARDG-000983-T IR01C-10045MS 71-Ksc-wa	7: ARDG-000984-T IR01C-10045MS 71-Ksc-wa	8: ARDG-000984-T IR01C-10045MS 71-MV
Sb [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	< 0.8	< 0.8	0.9	4.7
Se [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	0.2	0.2	0.4	3.5
Sn [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	< 6	< 6	< 6	< 6
Sr [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	110	97	110	78
Ti [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	870	880	4400	1400
Tl [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	1.0	0.98	< 0.02	0.79
U [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	1.84	1.69	0.059	1.00
V [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	83	90	200	140
Y [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	5.0	4.4	15	9.2
Zn [µg/g]	23-Feb-24	13:57	29-Feb-24	11:22	120	130	89	750

Revised report with Phosphorus and QC Report added.

Low mineralized Strong Acid Bulk Metals



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

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: EMS0202-FEB24													
Calcium	3	µg/g	<3			3		101			86		
Phosphorus	3	µg/g	<3			9		102			90		
Potassium	3	µg/g	<3			3		102			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0202-FEB24													
Aluminum	3	µg/g	<3			3	20	97	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			0	20	105	70	130	112	70	130
Arsenic	0.5	µg/g	<0.5			4	20	96	70	130	91	70	130
Barium	0.01	µg/g	<0.01			1	20	96	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			0	20	91	70	130	87	70	130
Bismuth	0.09	µg/g	<0.09			0	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			0	20	96	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			0	20	96	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			0	20	95	70	130	86	70	130
Copper	0.1	µg/g	<0.1			0	20	96	70	130	93	70	130
Iron	3	µg/g	<3			1	20	106	70	130	98	70	130
Lead	0.05	µg/g	<0.05			0	20	97	70	130	105	70	130
Lithium	2	µg/g	<2			0	20	91	70	130	100	70	130
Magnesium	3	µg/g	<3			1	20	104	70	130	100	70	130
Manganese	0.1	µg/g	<0.1			1	20	95	70	130	91	70	130
Molybdenum	0.1	µg/g	<0.1			0	20	94	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			5	20	99	70	130	103	70	130
Selenium	0.1	µg/g	<0.1			0	20	97	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	100	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	95	70	130	93	70	130
Thallium	0.02	µg/g	<0.02			ND	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	105	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			5	20	102	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			0	20	100	70	130	96	70	130
Vanadium	1	µg/g	<1			0	20	96	70	130	91	70	130
Yttrium	0.004	µg/g	<0.004			1	20	96	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	100	70	130	93	70	130

20-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

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, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 14 February 2024
LR Report: CA19146-FEB24
Reference: 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-000981-T IR01C-10045MS 71-Ksc-wa	6: ARDG-000982-T IR01C-10045MS 71-Ksc-wa	7: ARDG-000983-T IR01C-10045MS 71-Ksc-wa	8: ARDG-000984-T IR01C-10045MS 71-MV	9: ARDG-000982-T IR01C-10045MS 71-Ksc-wa	10:BLK: Leachate Blank
Sample Date & Time					06-Feb-24	06-Feb-24	06-Feb-24	06-Feb-24		
Sample weight [g]	26-Feb-24	07:14	27-Feb-24	11:39	252	250	250	251	250	---
Volume D.I. Water [mL]	26-Feb-24	07:44	27-Feb-24	11:39	750	750	750	750	750	750
pH [no unit]	27-Feb-24	07:03	27-Feb-24	11:39	9.18	9.27	8.99	8.20	9.22	5.90
pH [No unit]	27-Feb-24	08:41	27-Feb-24	15:43	8.43	8.49	8.02	8.10	8.50	6.11
Conductivity [uS/cm]	27-Feb-24	08:41	27-Feb-24	15:43	274	255	138	1000	267	3
Alkalinity [mg/L as CaCO3]	27-Feb-24	08:41	27-Feb-24	15:43	51	51	31	91	55	< 2
SO4 [mg/L]	27-Feb-24	10:19	28-Feb-24	16:28	29	15	10	250	18	< 2
Hg (diss) [mg/L]	28-Feb-24	13:49	28-Feb-24	16:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.00005	< 0.00005	< 0.00005	0.00011	< 0.00005	< 0.00005
Al (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.570	0.663	0.704	0.058	0.642	< 0.001
As (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.0730	0.0915	0.0015	0.0289	0.0939	< 0.0002
Ba (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.00198	0.00185	0.00059	0.0108	0.00163	< 0.00008
B (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.023	0.022	0.011	0.084	0.023	< 0.002
Be (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	10.2	7.97	9.35	59.6	8.05	0.02
Cd (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.000003	0.000005	< 0.000003	0.000034	< 0.000003	< 0.000003
Co (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.000017	0.000038	0.000010	0.000170	0.000018	0.000010
Cr (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000981-T IR01C-10045MS 71-Ksc-wa	6: ARDG-000982-T IR01C-10045MS 71-Ksc-wa	7: ARDG-000983-T IR01C-10045MS 71-Ksc-wa	8: ARDG-000984-T IR01C-10045MS 71-MV	9: ARDG-000982-T IR01C-10045MS 71-Ksc-wa	10:BLK: \$D.I. Leachate Blank
Fe (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	17.0	16.2	0.513	23.9	17.1	0.072
Li (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.0010	0.0008	0.0005	0.0106	0.0007	< 0.0001
Mg (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	2.81	2.07	1.22	18.6	2.10	0.005
Mn (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.00122	0.00085	0.00113	0.0450	0.00064	0.00042
Mo (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.0090	0.0077	0.0026	0.0225	0.0076	< 0.0004
Na (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	26.2	27.3	14.2	86.8	29.0	< 0.01
Ni (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.0002	0.0002	0.0001	0.0010	< 0.0001	0.0001
Pb (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.0025	0.0028	0.0017	0.0050	0.0029	< 0.0009
Se (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.00017	0.00015	0.00008	0.00406	0.00016	< 0.00004
Si (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	1.43	1.43	0.92	1.56	1.45	< 0.02
Sn (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.0279	0.0221	0.0199	0.216	0.0218	0.00010
Ti (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.000015	0.000017	< 0.000005	0.000031	0.000015	< 0.000005
U (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.000060	0.000049	0.000006	0.000426	0.000050	< 0.000002
V (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.00152	0.00203	0.00112	0.00019	0.00200	< 0.00001
W (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	0.00251	0.00225	0.00240	0.00100	0.00233	< 0.0002
Y (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	28-Feb-24	09:44	28-Feb-24	23:28	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0431-FEB24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5067-FEB24													
Sulphate	2	mg/L	<2			ND	20	106	80	120	107	75	125
Conductivity - QCBatchID: EWL0431-FEB24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0057-FEB24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	108	80	120	110	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0242-FEB24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	94	90	110	106	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	113	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	97	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	96	90	110	99	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	98	90	110	99	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	100	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	96	90	110	96	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	96	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			4	20	96	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	99	90	110	104	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	93	90	110	93	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	105	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	100	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	99	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	94	90	110	96	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	100	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			3	20	96	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	100	90	110	93	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			7	20	98	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	97	90	110	91	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	96	90	110	99	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	96	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	88	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	98	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	95	90	110	96	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	99	90	110	92	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	97	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	96	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	102	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	109	70	130
pH - QCBatchID: EWL0431-FEB24													
pH	0.05	No unit	NA			0		100			NA		

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

20-June-2024

Date Rec. : 20 February 2024
LR Report: CA19160-FEB24
Reference: Meliadine - PO#1380289

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-000991 -TIR01D-1005 OMS09-UO	6: ARDG-000992 -TIR01D-1005 OMS09-UO	7: ARDG-000993 -TIR01D-1005 OMS09-UO	8: ARDG-000994 -TIR01D-1005 OMS09-UO	9: ARDG-000995 -TIR01D-1005 OMS09-UO	10: ARDG-000996 -TIR01D-1005 OMS09-UO
Sample Date & Time					10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24
Paste pH [no unit]	27-Feb-24	20:17	28-Feb-24	12:33	9.13	9.12	9.07	9.01	9.09	9.13
Fizz Rate [rating]	27-Feb-24	07:54	28-Feb-24	12:33	3	3	3	3	3	3
Sample weight [g]	26-Feb-24	13:15	28-Feb-24	12:33	1.99	1.99	1.98	2.05	2.04	2.00
HCl_add [mL]	28-Feb-24	06:31	28-Feb-24	12:33	24.50	32.60	24.80	22.70	23.90	25.30
HCl [Normality]	26-Feb-24	08:35	28-Feb-24	12:33	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	26-Feb-24	08:35	28-Feb-24	12:33	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28-Feb-24	12:13	28-Feb-24	12:33	9.11	13.93	8.45	10.52	9.59	9.27
Final pH [no unit]	28-Feb-24	08:39	28-Feb-24	12:33	1.88	1.52	1.93	1.56	1.51	1.76
NP [t CaCO3/1000 t]	28-Feb-24	12:13	28-Feb-24	12:33	38.7	46.9	41.3	29.7	35.1	40.1
AP [t CaCO3/1000 t]	07-Mar-24	10:14	07-Mar-24	10:18	4.69	5.00	3.75	4.69	7.50	3.44
Net NP [t CaCO3/1000 t]	07-Mar-24	10:14	07-Mar-24	10:18	34.0	41.9	37.6	25.0	27.6	36.7
NP/AP [ratio]	07-Mar-24	10:14	07-Mar-24	10:18	8.26	9.38	11.0	6.34	4.68	11.7
S [%]	01-Mar-24	08:10	05-Mar-24	15:20	0.207	0.278	0.197	0.229	0.302	0.211
Acid Leachable SO4-S [%]	04-Mar-24	12:47	07-Mar-24	10:13	0.06	0.12	0.08	0.08	0.06	0.10
Sulphide [%]	07-Mar-24	08:05	07-Mar-24	10:13	0.15	0.16	0.12	0.15	0.24	0.11



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - K0L 2H0

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19160-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000991 -TIR01D-1005 OMS09-UO	6: ARDG-000992 -TIR01D-1005 OMS09-UO	7: ARDG-000993 -TIR01D-1005 OMS09-UO	8: ARDG-000994 -TIR01D-1005 OMS09-UO	9: ARDG-000995 -TIR01D-1005 OMS09-UO	10: ARDG-000996 -TIR01D-1005 OMS09-UO
C [%]	01-Mar-24	08:10	05-Mar-24	15:20	0.677	0.764	0.689	0.568	0.555	0.664
CO3 (HCl) as %CO3 [%]	04-Mar-24	09:38	05-Mar-24	15:20	2.88	3.34	2.91	2.10	2.38	2.84

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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-MAR24													
Carbon (total)	0.005	%	<0.005			2	20				97	70	13
Sulphur (total)	0.005	%	<0.005			9	20				105	70	13
Carbon/Sulphur - QCBatchID: ECS0003-MAR24													
Sulphide	0.04	%	< 0.01			3	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0012-MAR24													
Sulphide	0.04	%	< 0.01			1	20	105	80	120			
Carbon/Sulphur - QCBatchID: ECS0094-FEB24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	97	80	120			

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

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

19-June-2024

Date Rec. : 20 February 2024
LR Report: CA19161-FEB24
Reference: Meliadine - PO#1380289

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-000991-TI R01D-10050MS0 9-UO	6: ARDG-000992-TI R01D-10050MS0 9-UO	7: ARDG-000993-TI R01D-10050MS0 9-UO	8: ARDG-000994-TI R01D-10050MS0 9-UO	9: ARDG-000995-TI R01D-10050MS0 9-UO	10: ARDG-000996-TI R01D-10050MS0 9-UO
Sample Date & Time					10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24
Ag [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	68000	69000	53000	80000	69000	52000
As [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	110	66	230	130	74	130
Ba [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	600	550	530	890	650	450
Be [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	1.5	1.3	1.3	1.6	1.3	1.3
Bi [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	0.21	0.33	0.29	0.29	0.21	0.17
Ca [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	10000	12000	11000	8900	12000	11000
Cd [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	0.10	0.13	0.12	0.09	0.10	0.18
Co [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	23	22	21	25	20	22
Cr [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	79	78	68	100	65	87
Cu [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	53	58	50	58	40	52
Fe [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	40000	37000	35000	47000	36000	35000
K [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	20000	18000	19000	25000	16000	17000
Li [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	40	34	34	46	38	38
Mg [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	15000	14000	14000	17000	13000	13000
Mn [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	360	380	310	370	350	360
Mo [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	1.9	3.1	1.6	2.9	2.2	2.3
Ni [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	78	74	71	84	66	73
P [µg/g]	11-Mar-24	15:38	05-Jun-24	09:31	430	410	410	440	410	400
Pb [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	16	23	14	14	14	14
Sb [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:
	Analysis Start	Analysis Start	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis
	Date	Time	Completed Date	Completed	Completed	Completed	Completed	Completed	Completed	Completed
				Time	9-UO	9-UO	9-UO	9-UO	9-UO	9-UO
Se [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	0.3	0.3	0.3	0.3	0.3	0.2
Sn [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	270	280	250	280	300	220
Ti [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	1000	1300	1800	2000	970	930
Tl [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	0.58	0.54	0.51	0.63	0.43	0.51
U [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	2.2	1.8	0.72	1.9	1.3	0.73
V [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	98	89	88	120	75	83
Y [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	6.0	6.2	4.3	6.3	5.7	3.3
Zn [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	94	89	80	100	83	92

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite

Kelly

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

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: EMS0083-MAR24													
Calcium	3	µg/g	<3			1		94			80		
Phosphorus	3	µg/g	<3			3		91			72		
Potassium	3	µg/g	<3			2		96			80		
Metals - Microwave/ICP-MS - QCBatchID: EMS0083-MAR24													
Aluminum	3	µg/g	<3			1	20	91	70	130	85	70	130
Antimony	0.8	µg/g	<0.8			3	20	106	70	130	94	70	130
Arsenic	0.5	µg/g	<0.5			1	20	103	70	130	81	70	130
Barium	0.01	µg/g	<0.01			20	20	99	70	130	96	70	130
Beryllium	0.02	µg/g	<0.02			1	20	107	70	130	73	70	130
Bismuth	0.09	µg/g	<0.09			4	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			15	20	97	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	91	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			2	20	103	70	130	78	70	130
Copper	0.1	µg/g	<0.1			3	20	103	70	130	83	70	130
Iron	3	µg/g	<3			1	20	98	70	130	78	70	130
Lead	0.05	µg/g	<0.05			4	20	99	70	130	100	70	130
Lithium	2	µg/g	<2			0	20	100	70	130	81	70	130
Magnesium	3	µg/g	<3			0	20	100	70	130	82	70	130
Manganese	0.1	µg/g	<0.1			0	20	105	70	130	88	70	130
Molybdenum	0.1	µg/g	<0.1			0	20	96	70	130	82	70	130
Nickel	0.1	µg/g	<0.1			0	20	102	70	130	86	70	130
Selenium	0.1	µg/g	<0.1			5	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			0	20	98	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	105	70	130	93	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	94	70	130	82	70	130
Uranium	0.002	µg/g	<0.002			1	20	97	70	130	94	70	130
Vanadium	1	µg/g	<1			1	20	102	70	130	85	70	130
Yttrium	0.004	µg/g	<0.004			3	20	107	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			7	20	101	70	130	79	70	130

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
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20-June-2024

Date Rec. : 20 February 2024
LR Report: CA19162-FEB24
Reference: Meliadine - PO#1380289

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-000991-TIARDG-000992-TIARDG-000993-TIARDG-000994-TIARDG-000995-TIARDG-000996-TI CompletedR01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0 9-UO	6: ARDG-000992-TIARDG-000993-TIARDG-000994-TIARDG-000995-TIARDG-000996-TI CompletedR01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0 9-UO	7: ARDG-000993-TIARDG-000994-TIARDG-000995-TIARDG-000996-TI CompletedR01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0 9-UO	8: ARDG-000994-TIARDG-000995-TIARDG-000996-TI CompletedR01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0 9-UO	9: ARDG-000995-TIARDG-000996-TI CompletedR01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0 9-UO	10: ARDG-000996-TI CompletedR01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0R01D-10050MS0 9-UO
Sample Date & Time					10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24
Sample weight [g]	29-Feb-24	13:31	04-Mar-24	16:37	250	251	251	249	249	251
Volume D.I. Water [mL]	03-Mar-24	09:30	04-Mar-24	16:37	750	750	750	750	750	750
pH [no unit]	04-Mar-24	07:33	04-Mar-24	16:37	9.13	9.09	9.10	8.99	9.12	9.10
pH [No unit]	04-Mar-24	14:02	05-Mar-24	09:54	8.29	7.86	8.30	8.34	8.17	8.36
Conductivity [uS/cm]	04-Mar-24	14:02	05-Mar-24	09:54	212	72	255	257	197	227
Alkalinity [mg/L as CaCO3]	04-Mar-24	14:02	05-Mar-24	09:54	60	107	59	56	45	60
SO4 [mg/L]	05-Mar-24	07:12	05-Mar-24	14:38	8	8	16	15	21	16
Hg (diss) [mg/L]	05-Mar-24	12:34	05-Mar-24	17:11	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.820	0.789	0.699	0.663	0.887	0.793
As (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0783	0.0617	0.277	0.193	0.0554	0.0851
Ba (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00187	0.00186	0.00315	0.00280	0.00319	0.00216
B (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.017	0.014	0.022	0.020	0.016	0.019
Be (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	8.22	8.86	9.15	8.95	9.98	9.07
Cd (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.000005	0.000004	0.000003	0.000003	< 0.000003	0.000003
Co (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.000042	0.000032	0.000033	0.000027	0.000031	0.000024
Cr (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00010	0.00011	0.00010	< 0.00008	0.00009	0.00009
Cu (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:
	Analysis Start	Analysis Start	Analysis	Analysis	5: ARD	6: TI	7: ARD	8: TI	9: ARD	10: TI
	Date	Time	Completed	Completed	R01D-10050MS	R01D-10050MS	R01D-10050MS	R01D-10050MS	R01D-10050MS	R01D-10050MS
			Date	Time	9-UO	9-UO	9-UO	9-UO	9-UO	9-UO
K (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	20.0	18.8	20.5	23.2	13.9	19.6
Li (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0014	0.0016	0.0015	0.0013	0.0014	0.0015
Mg (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	2.96	3.12	3.47	3.28	2.40	2.93
Mn (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00185	0.00157	0.00145	0.00124	0.00105	0.00132
Mo (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0074	0.0110	0.0112	0.0087	0.0074	0.0093
Na (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	18.7	20.1	24.3	22.2	16.7	20.9
Ni (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0003	0.0003	0.0002	0.0003	0.0002	0.0002
Pb (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0064	0.0063	0.0083	0.0096	0.0052	0.0070
Se (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00029	0.00029	0.00035	0.00021	0.00027	0.00028
Si (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	1.93	1.80	2.14	1.97	1.87	2.10
Sn (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.0349	0.0366	0.0442	0.0442	0.0476	0.0380
Ti (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00019	0.00022	0.00012	0.00025	0.00021	0.00012
Tl (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.000006	0.000006	0.000008	0.000009	0.000007	0.000006
U (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.000229	0.000313	0.000256	0.000176	0.000186	0.000277
V (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00246	0.00230	0.00254	0.00200	0.00224	0.00232
W (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	0.00228	0.00249	0.00268	0.00231	0.00151	0.00284
Y (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	07-Mar-24	12:53	11-Mar-24	13:30	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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

Kelly

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

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: EWL0043-MAR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5003-MAR24													
Sulphate	2	mg/L	<2			17	20	108	80	120	112	75	125
Anions by discrete analyzer - QCBatchID: DIO5006-MAR24													
Sulphate	2	mg/L	<2			ND	20	102	80	120	108	75	125
Conductivity - QCBatchID: EWL0043-MAR24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0008-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	NV	80	120	94	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0037-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			10	20	110	90	110	107	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			16	20	104	90	110	116	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			17	20	102	90	110	104	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			17	20	105	90	110	101	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	105	90	110	91	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	104	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	102	90	110	98	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	96	90	110	115	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			16	20	101	90	110	96	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			6	20	101	90	110	107	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			11	20	94	90	110	123	70	130
Copper (dissolved)	0.001	mg/L	<0.001			14	20	97	90	110	105	70	130
Iron (dissolved)	0.007	mg/L	<0.007			4	20	98	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			2	20	96	90	110	97	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			16	20	98	90	110	93	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	101	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			13	20	101	90	110	112	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			11	20	90	90	110	121	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			16	20	96	90	110	117	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			17	20	101	90	110	93	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			4	20	106	90	110	98	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			15	20	109	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	90	90	110	94	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			17	20	95	90	110	95	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			16	20	101	90	110	94	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			18	20	99	90	110	104	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			5	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			15	20	97	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			17	20	99	90	110	100	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			17	20	100	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	95	70	130
pH - QCBatchID: EWL0043-MAR24													
pH	0.05	No unit	NA			0		101			NA		



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
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
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

20-June-2024

Date Rec. : 20 February 2024
LR Report: CA19163-FEB24
Reference: Meliadine - PO#1380289

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-000985- TIR01C-10040 MS81-UO	6: ARDG-000986- TIR01C-10040 MS81-UO	7: ARDG-000987- TIR01C-10040 MS81-UO	8: ARDG-000988- TIR01C-10040 MS81-UO	9: ARDG-000989- TIR01C-10040 MS81-UO	10: ARDG-000990- TIR01C-10040 MS81-UO
Sample Date & Time					10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24
Paste pH [no unit]	28-Feb-24	12:34	01-Mar-24	16:55	9.30	9.24	9.18	9.41	9.42	9.04
Fizz Rate [rating]	28-Feb-24	09:33	01-Mar-24	16:55	3	3	3	3	3	3
Sample weight [g]	28-Feb-24	07:42	01-Mar-24	16:55	2.00	2.00	2.00	2.00	2.10	2.00
HCl_add [mL]	29-Feb-24	15:35	01-Mar-24	16:55	25.10	25.00	39.90	25.40	25.10	57.10
HCl [Normality]	28-Feb-24	17:16	01-Mar-24	16:55	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	28-Feb-24	17:16	01-Mar-24	16:55	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	29-Feb-24	17:20	01-Mar-24	16:55	11.01	11.42	17.85	10.88	11.32	16.69
Final pH [no unit]	29-Feb-24	17:20	01-Mar-24	16:55	1.59	1.62	1.52	1.64	1.57	1.79
NP [t CaCO3/1000 t]	29-Feb-24	17:20	01-Mar-24	16:55	35.2	34.0	55.1	36.3	32.8	101
AP [t CaCO3/1000 t]	05-Mar-24	15:21	05-Mar-24	15:21	2.50	3.44	4.69	3.75	3.75	8.12
Net NP [t CaCO3/1000 t]	05-Mar-24	15:21	05-Mar-24	15:21	32.7	30.6	50.4	32.6	29.0	92.9
NP/AP [ratio]	05-Mar-24	15:21	05-Mar-24	15:21	14.1	9.89	11.8	9.68	8.75	12.4
S [%]	01-Mar-24	08:10	05-Mar-24	15:21	0.191	0.211	0.242	0.227	0.179	0.275
Acid Leachable SO4-S [%]	04-Mar-24	12:48	05-Mar-24	15:21	0.11	0.10	0.09	0.11	0.06	< 0.04
Sulphide [%]	04-Mar-24	12:41	05-Mar-24	15:21	0.08	0.11	0.15	0.12	0.12	0.26



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - K0L 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19163-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000985- TIR01C-10040 MS81-UO	6: ARDG-000986- TIR01C-10040 MS81-UO	7: ARDG-000987- TIR01C-10040 MS81-UO	8: ARDG-000988- TIR01C-10040 MS81-UO	9: ARDG-000989- TIR01C-10040 MS81-UO	10: ARDG-000990- TIR01C-10040 MS81-UO
C [%]	01-Mar-24	08:10	05-Mar-24	15:21	0.515	0.501	0.822	0.523	0.525	1.32
CO3 (HCl) as %CO3 [%]	04-Mar-24	09:38	05-Mar-24	15:21	2.07	1.98	3.51	2.23	1.95	6.10

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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-MAR24													
Carbon (total)	0.005	%	<0.005			2	20				97	70	13
Sulphur (total)	0.005	%	<0.005			9	20				105	70	13
Carbon/Sulphur - QCBatchID: ECS0003-MAR24													
Sulphide	0.04	%	< 0.01			3	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0094-FEB24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	97	80	120			

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:
	Analysis Start	Analysis Start	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis	Analysis
	Date	Time	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed
			Date	Time	1-UO	1-UO	1-UO	1-UO	1-UO	1-UO
Se [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	0.3	0.3	0.3	0.3	0.3	0.2
Sn [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	270	270	350	310	260	430
Ti [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	1100	1100	940	920	790	1600
Tl [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	0.56	0.56	0.48	0.54	0.50	0.44
U [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	1.7	2.3	2.3	1.70	0.97	1.10
V [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	110	110	86	110	100	97
Y [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	4.5	4.4	6.6	6.4	4.6	8.6
Zn [µg/g]	11-Mar-24	15:38	12-Mar-24	11:37	97	95	130	95	91	86

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite

Kelly

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

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: EMS0083-MAR24													
Calcium	3	µg/g	<3			1		94			80		
Phosphorus	3	µg/g	<3			3		91			72		
Potassium	3	µg/g	<3			2		96			80		
Metals - Microwave/ICP-MS - QCBatchID: EMS0083-MAR24													
Aluminum	3	µg/g	<3			1	20	91	70	130	85	70	130
Antimony	0.8	µg/g	<0.8			3	20	106	70	130	94	70	130
Arsenic	0.5	µg/g	<0.5			1	20	103	70	130	81	70	130
Barium	0.01	µg/g	<0.01			20	20	99	70	130	96	70	130
Beryllium	0.02	µg/g	<0.02			1	20	107	70	130	73	70	130
Bismuth	0.09	µg/g	<0.09			4	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			15	20	97	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	91	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			2	20	103	70	130	78	70	130
Copper	0.1	µg/g	<0.1			3	20	103	70	130	83	70	130
Iron	3	µg/g	<3			1	20	98	70	130	78	70	130
Lead	0.05	µg/g	<0.05			4	20	99	70	130	100	70	130
Lithium	2	µg/g	<2			0	20	100	70	130	81	70	130
Magnesium	3	µg/g	<3			0	20	100	70	130	82	70	130
Manganese	0.1	µg/g	<0.1			0	20	105	70	130	88	70	130
Molybdenum	0.1	µg/g	<0.1			0	20	96	70	130	82	70	130
Nickel	0.1	µg/g	<0.1			0	20	102	70	130	86	70	130
Selenium	0.1	µg/g	<0.1			5	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			0	20	98	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	105	70	130	93	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	94	70	130	82	70	130
Uranium	0.002	µg/g	<0.002			1	20	97	70	130	94	70	130
Vanadium	1	µg/g	<1			1	20	102	70	130	85	70	130
Yttrium	0.004	µg/g	<0.004			3	20	107	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			7	20	101	70	130	79	70	130

20-June-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 February 2024
LR Report: CA19165-FEB24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Completed Date	4: Analysis ARDG-000985-T Completed IR01C-10040MS Time	5: ARDG-000986-T IR01C-10040MS 81-UO	6: ARDG-000987-T IR01C-10040MS 81-UO	7: ARDG-000988-T IR01C-10040MS 81-UO	8: ARDG-000989-T IR01C-10040MS 81-UO	9: ARDG-000990-T IR01C-10040MS 81-UO	10: ARDG-000991-T IR01C-10040MS 81-UO	11:BLK: SD.I. Leachate Blank
Sample Date & Time					10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	10-Feb-24	
Sample weight [g]	28-Feb-24	12:21	01-Mar-24	16:59	250	250	250	250	251	249	---
Volume D.I. Water [mL]	29-Feb-24	06:16	01-Mar-24	16:59	750	750	750	750	750	750	750
pH [no unit]	01-Mar-24	10:00	01-Mar-24	16:59	9.29	9.28	9.32	9.42	9.47	9.00	5.79
pH [No unit]	01-Mar-24	12:47	04-Mar-24	11:19	9.26	9.35	9.31	9.26	9.32	8.28	5.41
Conductivity [uS/cm]	01-Mar-24	12:47	04-Mar-24	11:19	238	230	174	185	190	256	3
Alkalinity [mg/L as CaCO3]	01-Mar-24	12:47	04-Mar-24	11:19	61	64	59	55	54	52	< 2
SO4 [mg/L]	05-Mar-24	07:12	05-Mar-24	12:24	12	10	5	15	12	48	< 2
Hg (diss) [mg/L]	05-Mar-24	16:47	06-Mar-24	10:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:10	0.00016	0.00028	0.00006	0.00008	< 0.00005	0.00007	< 0.00005
Al (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:10	0.484	0.424	0.586	0.487	0.647	0.450	0.001
As (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:10	0.128	0.141	0.0529	0.0233	0.128	0.0027	0.0008
Ba (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:10	0.00271	0.00288	0.00241	0.00265	0.00321	0.00360	< 0.00008
B (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:10	0.054	0.060	0.047	0.038	0.045	0.009	< 0.002
Be (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.000011	< 0.000007	0.000012	0.000015	0.000013	< 0.000007	< 0.000007
Bi (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	4.74	5.20	4.48	5.71	4.00	12.1	0.03
Cd (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.000004	0.000003	0.000003	0.000003	0.000003	0.000005	< 0.000003
Co (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.000040	0.000043	0.000052	0.000021	0.000066	0.000012	0.000020
Cr (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.00054	0.00052	0.00043	0.00035	0.00049	< 0.00008	< 0.00008
Cu (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.034	0.045	0.038	0.017	0.038	< 0.007	< 0.007

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Date	4: Analysis ARDG-000985-T Completed IR01C-10040MS Time	5: ARDG-000986-T IR01C-10040MS 81-UO	6: ARDG-000987-T IR01C-10040MS 81-UO	7: ARDG-000988-T IR01C-10040MS 81-UO	8: ARDG-000989-T IR01C-10040MS 81-UO	9: ARDG-000990-T IR01C-10040MS 81-UO	10: SD.I. Leachate Blank	11:BLK:
K (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	14.6	15.4	12.4	11.2	12.5	15.8	0.048
Li (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.0012	0.0013	0.0011	0.0012	0.0009	0.0016	0.0001
Mg (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.851	0.994	0.938	1.28	0.735	5.28	0.007
Mn (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.00060	0.00085	0.00064	0.00042	0.00045	0.00254	0.00074
Mo (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.0068	0.0081	0.0042	0.0065	0.0039	0.0107	< 0.0004
Na (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	30.8	28.9	21.2	20.7	23.6	17.4	0.05
Ni (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.0003	0.0004	0.0003	0.0002	0.0003	0.0001	0.0001
Pb (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.00010	0.00021	0.00022	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.0071	0.0069	0.0064	0.0055	0.0063	0.0016	< 0.0009
Se (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.00019	0.00023	0.00019	0.00022	0.00013	0.00021	< 0.00004
Si (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	1.86	1.98	1.99	2.07	2.13	1.74	< 0.02
Sn (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.0219	0.0234	0.0200	0.0269	0.0188	0.0878	0.00020
Ti (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.0012	0.0020	0.0012	0.0009	0.0014	< 0.0001	< 0.0001
Tl (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000015	< 0.000005
U (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.000547	0.000206	0.000534	0.000510	0.000318	0.000133	< 0.000002
V (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.00404	0.00398	0.00442	0.00375	0.00633	0.00153	< 0.00001
W (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.0022	0.0025	0.0031	0.0031	0.0029	0.0029	< 0.0002
Y (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	0.00006	0.00008	0.00009	0.00003	0.00005	< 0.00002	< 0.00002
Zn (diss) [mg/L]	05-Mar-24	07:00	06-Mar-24	16:11	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0017-MAR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	96	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5001-MAR24													
Sulphate	2	mg/L	<2			ND	20	111	80	120	109	75	125
Conductivity - QCBatchID: EWL0017-MAR24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0007-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	91	80	120	95	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0003-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	94	90	110	92	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	116	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	106	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	103	90	110	77	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	100	90	110	97	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			3	20	99	90	110	102	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	92	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			12	20	97	90	110	116	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	94	90	110	93	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	96	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			15	20	98	90	110	107	70	130
Copper (dissolved)	0.001	mg/L	<0.001			2	20	100	90	110	110	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	93	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			2	20	99	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			4	20	95	90	110	99	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	93	90	110	116	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	96	90	110	107	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			2	20	97	90	110	96	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			5	20	100	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	98	90	110	95	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			5	20	98	90	110	112	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	102	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	71	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	94	90	110	94	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	96	90	110	100	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	98	90	110	103	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			6	20	99	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	101	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	99	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	98	90	110	106	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			0	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			1	20	99	90	110	127	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0028-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	96	90	110	89	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	102	90	110	112	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			3	20	97	90	110	94	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	99	90	110	86	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	94	90	110	102	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	93	90	110	100	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	93	90	110	95	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			18	20	96	90	110	119	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	94	90	110	82	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	106	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			6	20	94	90	110	102	70	130
Copper (dissolved)	0.001	mg/L	<0.001			2	20	97	90	110	102	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	95	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	91	90	110	97	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	99	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	94	90	110	89	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	96	90	110	106	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	95	90	110	89	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			17	20	98	90	110	104	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	99	90	110	84	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	95	90	110	100	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	101	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	81	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			5	20	92	90	110	88	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			4	20	97	90	110	95	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	92	90	110	97	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	93	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	95	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	93	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	94	90	110	101	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			2	20	96	90	110	96	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130



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#1380289
LR Report : CA19165-FEB24

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
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	98	90	110	118	70	130
pH - QCBatchID: EWL0017-MAR24													
pH	0.05	No unit	NA			0		100			NA		



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#1380289

20-June-2024

Date Rec. : 22 February 2024
LR Report: CA19186-FEB24
Reference: Meliadine - PO#1380289

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-000971-TI Completed R01C-10045MS6 6-Kmg	6: ARDG-000972-TI ARDG-000973-T R01C-10045MS6 6-Kmg	7: ARDG-000974-T R01C-10045MS 66-Ksc-wa	8: ARDG-000974-T R01C-10045MS 66-MV
Sample Date & Time					01-Feb-24	01-Feb-24	01-Feb-24	01-Feb-24
Paste pH [no unit]	29-Feb-24	18:02	06-Mar-24	15:42	8.32	8.51	8.48	8.74
Fizz Rate [rating]	29-Feb-24	18:02	06-Mar-24	15:42	3	3	3	3
Sample weight [g]	29-Feb-24	18:02	06-Mar-24	15:42	1.98	2.01	1.99	2.01
HCl_add [mL]	06-Mar-24	06:30	06-Mar-24	15:42	50.40	37.80	94.40	87.10
HCl [Normality]	05-Mar-24	08:49	06-Mar-24	15:42	0.10	0.10	0.10	0.10
NaOH [Normality]	05-Mar-24	08:49	06-Mar-24	15:42	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Mar-24	13:02	06-Mar-24	15:42	19.63	18.37	34.04	22.06
Final pH [no unit]	06-Mar-24	08:30	06-Mar-24	15:42	1.60	1.51	1.56	1.58
NP [t CaCO3/1000 t]	06-Mar-24	13:02	06-Mar-24	15:42	77.7	48.3	152	162
AP [t CaCO3/1000 t]	08-Mar-24	15:38	08-Mar-24	15:38	123	67.5	42.8	5.94
Net NP [t CaCO3/1000 t]	08-Mar-24	15:38	08-Mar-24	15:38	-45.74	-19.20	109	156
NP/AP [ratio]	08-Mar-24	15:38	08-Mar-24	15:38	0.63	0.72	3.54	27.3
S [%]	05-Mar-24	12:58	08-Mar-24	15:38	3.89	2.13	1.61	0.220
Acid Leachable SO4-S [%]	08-Mar-24	15:31	08-Mar-24	15:38	< 0.04	< 0.04	0.24	< 0.04
Sulphide [%]	08-Mar-24	15:04	08-Mar-24	15:38	3.95	2.16	1.37	0.19
C [%]	05-Mar-24	12:58	07-Mar-24	10:21	2.61	1.50	2.62	2.16
CO3 (HCl) as %CO3 [%]	06-Mar-24	17:13	07-Mar-24	10:21	5.44	3.57	11.4	10.3



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19186-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000971-TI R01C-10045MS6 6-Kmg	6: ARDG-000972-TI R01C-10045MS6 6-Kmg	7: ARDG-000973-T R01C-10045MS 66-Ksc-wa	8: ARDG-000974-T R01C-10045MS 66-MV
	04-Mar-24	---	04-Mar-24	---	1	1	1	1
Weight [g]	04-Mar-24	---	04-Mar-24	---	2603	2827	2439	2971

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times 31.25$

*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

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: ECS0007-MAR24													
Sulphide	0.04	%	< 0.01			1	20	103	80	120			
Carbon/Sulphur - QCBatchID: ECS0010-MAR24													
Carbon (total)	0.005	%	<0.005			0	20				97	70	13
Sulphur (total)	0.005	%	<0.005			1	20				102	70	13
Carbon/Sulphur - QCBatchID: ECS0014-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			



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#1380289

19-June-2024

Date Rec. : 22 February 2024
LR Report: CA19187-FEB24
Reference: Meliadine - PO#1380289

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-000971-TI R01C-10045MS6 6-Kmg	6: ARDG-000972-TI R01C-10045MS6 6-Kmg	7: ARDG-000973-T R01C-10045MS 66-Ksc-wa	8: ARDG-000974-T R01C-10045MS 66-MV
Sample Date & Time					01-Feb-24	01-Feb-24	01-Feb-24	01-Feb-24
Ag [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	55000	41000	70000	68000
As [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	22000	19000	460	36
Ba [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	360	330	120	23
Be [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	1.5	1.2	0.74	0.34
Bi [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	1.4	1.6	0.28	< 0.09
Ca [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	19000	12000	50000	82000
Cd [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	1.1	0.69	3.5	0.14
Co [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	50	29	36	52
Cr [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	160	180	96	100
Cu [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	360	180	220	120
Fe [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	65000	42000	64000	83000
K [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	20000	15000	7200	1100
Li [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	17	11	56	79
Mg [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	11000	7000	13000	33000
Mn [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	440	280	1400	1700
Mo [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	4.2	4.0	2.2	0.5
Ni [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	85	54	82	110
P [µg/g]	06-Mar-24	12:50	05-Jun-24	09:22	370	310	430	230
Pb [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	41	42	12	4

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000971-TI R01C-10045MS6 6-Kmg	6: ARDG-000972-TI R01C-10045MS6 6-Kmg	7: ARDG-000973-T R01C-10045MS 66-Ksc-wa	8: ARDG-000974-T R01C-10045MS 66-MV
Sb [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	5.0	3.7	< 0.8	< 0.8
Se [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	2.5	1.7	1.8	0.6
Sn [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	94	71	130	160
Ti [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	670	690	2700	1800
Tl [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	1.2	0.90	0.40	0.07
U [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	1.3	1.2	1.2	0.096
V [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	80	74	140	240
Y [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	6.8	5.4	11	16
Zn [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	420	210	640	94

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite



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

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: EMS0041-MAR24													
Calcium	3	µg/g	<3			2		102			83		
Phosphorus	3	µg/g	<3			3		100			85		
Potassium	3	µg/g	<3			2		104			90		
Metals - Microwave/ICP-MS - QCBatchID: EMS0041-MAR24													
Aluminum	3	µg/g	<3			2	20	101	70	130	84	70	130
Antimony	0.8	µg/g	<0.8			2	20	95	70	130	98	70	130
Arsenic	0.5	µg/g	<0.5			0	20	104	70	130	94	70	130
Barium	0.01	µg/g	<0.01			8	20	102	70	130	108	70	130
Beryllium	0.02	µg/g	<0.02			0	20	101	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			8	20	102	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			2	20	103	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			4	20	104	70	130	48	70	130
Cobalt	0.01	µg/g	<0.01			1	20	99	70	130	89	70	130
Copper	0.1	µg/g	<0.1			1	20	95	70	130	95	70	130
Iron	3	µg/g	<3			2	20	107	70	130	94	70	130
Lead	0.05	µg/g	<0.05			7	20	102	70	130	108	70	130
Lithium	2	µg/g	<2			0	20	102	70	130	109	70	130
Magnesium	3	µg/g	<3			3	20	107	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			2	20	101	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	103	70	130	99	70	130
Nickel	0.1	µg/g	<0.1			2	20	99	70	130	105	70	130
Selenium	0.1	µg/g	<0.1			2	20	104	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			15	20	105	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	102	70	130	96	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			8	20	99	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			0	20	100	70	130	98	70	130
Vanadium	1	µg/g	<1			1	20	101	70	130	93	70	130
Yttrium	0.004	µg/g	<0.004			0	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	102	70	130	97	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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 February 2024

LR Report: CA19188-FEB24

Reference: Meliadine - PO#1380289

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-000971 ARDG-000972 ARDG-000973 -TIR01C-1004 5MS66-Kmg	6: -TIR01C-1004 5MS66-Kmg	7: -TIR01C-1004 5MS66-Ksc-w a
Sample Date & Time					01-Feb-24	01-Feb-24	01-Feb-24
Sample weight [g]	12-Mar-24	06:26	13-Mar-24	09:15	249	250	249
Volume D.I. Water [mL]	12-Mar-24	06:55	13-Mar-24	09:15	750	750	750
pH [no unit]	13-Mar-24	06:40	13-Mar-24	09:15	8.02	8.31	8.27
pH [No unit]	13-Mar-24	08:06	14-Mar-24	11:05	8.01	8.14	8.15
Conductivity [uS/cm]	13-Mar-24	08:06	14-Mar-24	09:07	582	504	562
Alkalinity [mg/L as CaCO3]	13-Mar-24	08:06	14-Mar-24	09:07	43	43	65
SO4 [mg/L]	13-Mar-24	08:51	13-Mar-24	19:31	96	89	99
Hg (diss) [mg/L]	14-Mar-24	12:50	19-Mar-24	10:44	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.00007	0.00006	< 0.00005
Al (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.205	0.216	0.211
As (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.308	0.404	0.0074
Ba (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.00606	0.00455	0.00135
B (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.055	0.050	0.046
Be (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	33.1	23.7	33.0
Cd (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.000025	0.000014	0.000020
Co (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.000140	0.000069	0.000205
Cr (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.001	0.001	< 0.001
Fe (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.021	< 0.007	0.007
K (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	20.9	19.9	6.08
Li (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.0074	0.0057	0.0061
Mg (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	11.3	9.11	13.1
Mn (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.0261	0.0139	0.0239
Mo (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.0112	0.0144	0.0121
Na (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	42.4	40.7	50.4
Ni (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.0007	0.0004	0.0006

Online LIMS

0003749086

**SGS Canada Inc.**

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

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19188-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000971 ARDG-000971 -TIR01C-1004 5MS66-Kmg	6: ARDG-000972 ARDG-000972 -TIR01C-1004 5MS66-Kmg	7: ARDG-000973 ARDG-000973 -TIR01C-1004 5MS66-Ksc-w a
Pb (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.0053	0.0055	0.0032
Se (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.00285	0.00239	0.00267
Si (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	1.72	1.93	1.37
Sn (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.00012	0.00020	0.00017
Sr (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.0842	0.0648	0.0464
Ti (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.00033	0.00011	< 0.0001
Tl (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.000037	0.000026	< 0.000005
U (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.000668	0.000859	0.000208
V (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.00064	0.00098	0.00023
W (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	0.00905	0.0158	0.00169
Y (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:44	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000974 -TIR01C-1004 5MS66-MV	9: ARDG-000974 -TIR01C-1004 5MS66-MV	10:BLK: \$D.I. Leachate Blank
Sample Date & Time	01-Feb-24		
Sample weight [g]	250	250	---
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.87	8.88	5.38
pH [No unit]	8.30	8.33	5.36
Conductivity [uS/cm]	165	161	< 2
Alkalinity [mg/L as CaCO3]	38	38	< 2
SO4 [mg/L]	11	11	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.481	0.499	0.005
As (diss) [mg/L]	0.0024	0.0063	< 0.0002
Ba (diss) [mg/L]	0.00358	0.00334	< 0.00008
B (diss) [mg/L]	0.010	0.010	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	11.9	11.9	0.02
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000021	0.000117	0.000013
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.035	0.054	0.007
K (diss) [mg/L]	2.31	2.18	0.026
Li (diss) [mg/L]	0.0010	0.0010	< 0.0001
Mg (diss) [mg/L]	3.20	3.12	0.005

Analysis	8: ARDG-000974 -TIR01C-1004 5MS66-MV	9: ARDG-000974 -TIR01C-1004 5MS66-MV	10:BLK: \$D.I. Leachate Blank
Mn (diss) [mg/L]	0.00174	0.00186	0.00033
Mo (diss) [mg/L]	0.0020	0.0018	< 0.0004
Na (diss) [mg/L]	12.5	12.1	< 0.01
Ni (diss) [mg/L]	0.0001	0.0002	< 0.0001
Pb (diss) [mg/L]	< 0.00009	0.00022	< 0.00009
Sb (diss) [mg/L]	0.0013	0.0014	< 0.0009
Se (diss) [mg/L]	0.00010	0.00010	< 0.00004
Si (diss) [mg/L]	0.98	0.97	< 0.02
Sn (diss) [mg/L]	0.00016	0.00011	0.00019
Sr (diss) [mg/L]	0.0454	0.0447	< 0.00008
Ti (diss) [mg/L]	0.00043	0.00092	< 0.0001
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000008	0.000024	0.000003
V (diss) [mg/L]	0.00064	0.00067	< 0.00001
W (diss) [mg/L]	0.00080	0.00093	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002

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

Revised report with QC Report added.

Catharine Arnold

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

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: EWL0218-MAR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	94	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5033-MAR24													
Sulphate	2	mg/L	<2			1	20	107	80	120	93	75	125
Anions by discrete analyzer - QCBatchID: DIO5034-MAR24													
Sulphate	2	mg/L	<2			15	20	107	80	120	103	75	125
Conductivity - QCBatchID: EWL0218-MAR24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0024-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	107	80	120	91	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0149-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	117	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	111	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	101	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	98	90	110	101	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	97	90	110	95	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	119	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	91	90	110	92	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	95	90	110	115	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	98	90	110	105	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	112	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			13	20	96	90	110	101	70	130
Copper (dissolved)	0.001	mg/L	<0.001			4	20	96	90	110	106	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	92	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	93	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	93	90	110	93	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	92	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	96	90	110	112	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	99	90	110	97	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			9	20	96	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			7	20	102	90	110	99	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			0	20	95	90	110	113	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	92	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	71	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	95	90	110	94	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			4	20	97	90	110	99	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			10	20	93	90	110	101	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	91	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	91	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	91	90	110	114	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	107	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	96	90	110	126	70	130
pH - QCBatchID: EWL0218-MAR24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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. : 23 February 2024
LR Report: CA19201-FEB24
Reference: Meliadine - PO# 1380289

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-000997-T IR01D-10050MS 10-Kwa-s	6: ARDG-000998-T IR01D-10050MS 10-Kwa-s	7: ARDG-000999-T IR01D-10050MS 10-Kwa-s	8: ARDG-001000-T IR01D-10050MS 10-Kwa-s
Sample Date & Time					12-Feb-24	12-Feb-24	15-Feb-24	15-Feb-24
Paste pH [no unit]	07-Mar-24	07:16	08-Mar-24	14:43	9.09	9.09	8.90	8.87
Fizz Rate [rating]	07-Mar-24	07:28	08-Mar-24	14:43	3	3	3	3
Sample weight [g]	06-Mar-24	19:55	08-Mar-24	14:43	2.00	2.00	2.04	2.01
HCl_add [mL]	08-Mar-24	06:29	08-Mar-24	14:43	34.00	36.60	35.70	36.80
HCl [Normality]	07-Mar-24	08:24	08-Mar-24	14:43	0.10	0.10	0.10	0.10
NaOH [Normality]	07-Mar-24	08:24	08-Mar-24	14:43	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	08-Mar-24	12:57	08-Mar-24	14:43	16.70	16.29	16.79	17.05
Final pH [no unit]	08-Mar-24	08:30	08-Mar-24	14:43	1.64	1.68	1.87	1.85
NP [t CaCO3/1000 t]	08-Mar-24	12:57	08-Mar-24	14:43	43.3	50.8	46.4	49.1
AP [t CaCO3/1000 t]	08-Mar-24	14:43	08-Mar-24	14:43	4.69	5.00	4.69	5.00
Net NP [t CaCO3/1000 t]	08-Mar-24	14:43	08-Mar-24	14:43	38.6	45.8	41.7	44.1
NP/AP [ratio]	08-Mar-24	14:43	08-Mar-24	14:43	9.24	10.2	9.90	9.82
S [%]	05-Mar-24	12:58	07-Mar-24	10:25	0.210	0.256	0.241	0.259
Acid Leachable SO4-S [%]	06-Mar-24	08:32	07-Mar-24	10:25	0.06	0.10	0.09	0.10
Sulphide [%]	06-Mar-24	08:27	07-Mar-24	10:25	0.15	0.16	0.15	0.16
C [%]	05-Mar-24	12:58	07-Mar-24	10:25	0.641	0.789	0.743	0.779
CO3 (HCl) as %CO3 [%]	06-Mar-24	17:13	07-Mar-24	10:25	2.77	3.37	3.22	3.39

Analysis	9: ARDG-001001-T IR01D-10050MS 10-Kwa-s	10: ARDG-001002-T IR01D-10050MS 10-Kwa-s	11: ARDG-001003-T IR01D-10050MS 10-Kwa-s	12: ARDG-001004-T IR01D-10050MS 10-Kwa-s	13: ARDG-001005-T IR01D-10050MS 10-Kwa-s	14: ARDG-001006-T IR01D-10050MS 10-Kwa-s	15: ARDG-001007-T IR01D-10050MS 10-Kwa-s	16: ARDG-001008-T IR01D-10050MS 10-Kwa-s
Sample Date & Time	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24
Paste pH [no unit]	8.99	8.92	8.75	8.99	9.00	8.84	8.66	8.89
Fizz Rate [rating]	3	3	3	3	3	3	3	3
Sample weight [g]	2.02	1.99	2.06	2.01	2.04	2.00	1.99	2.00
HCl_add [mL]	37.80	37.00	41.70	45.60	42.90	42.50	36.70	37.00
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]	17.77	16.71	18.77	20.11	19.67	20.97	15.52	15.67
Final pH [no unit]	1.78	1.75	1.80	1.80	1.77	1.73	1.90	1.84
NP [t CaCO3/1000 t]	49.6	51.0	55.6	63.4	56.9	53.8	53.2	53.3
AP [t CaCO3/1000 t]	3.12	3.75	3.75	6.88	2.50	3.75	3.44	2.50
Net NP [t CaCO3/1000 t]	46.5	47.2	51.8	56.5	54.4	50.0	49.8	50.8
NP/AP [ratio]	15.9	13.6	14.8	9.22	22.8	14.3	15.5	21.3
S [%]	0.174	0.213	0.186	0.372	0.167	0.165	0.140	0.140

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19201-FEB24

Analysis	9:	10:	11:	12:	13:	14:	15:	16:
	ARDG-001001-T	ARDG-001002-T	ARDG-001003-T	ARDG-001004-T	ARDG-001005-T	ARDG-001006-T	ARDG-001007-T	ARDG-001008-T
	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS
	10-Kwa-s	10-Kwa-s	10-Kwa-s	10-Kwa-s	10-Kwa-s	10-Kwa-s	10-Kwa-s	10-Kwa-s
Acid Leachable SO ₄ -S [%]	0.07	0.09	0.07	0.15	0.09	0.04	< 0.04	0.06
Sulphide [%]	0.10	0.12	0.12	0.22	0.08	0.12	0.11	0.08
C [%]	0.782	0.801	0.878	0.978	0.932	0.835	0.884	0.818
CO ₃ (HCl) as %CO ₃ [%]	3.49	3.43	3.79	4.35	4.03	3.80	3.84	3.61

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0010-MAR24													
Carbon (total)	0.005	%	<0.005			0	20				97	70	13
Sulphur (total)	0.005	%	<0.005			1	20				102	70	13
Carbon/Sulphur - QCBatchID: ECS0013-MAR24													
Sulphide	0.04	%	< 0.01			7	20	106	80	120			
Carbon/Sulphur - QCBatchID: ECS0014-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

20-June-2024

Date Rec. : 23 February 2024
LR Report: CA19203-FEB24
Reference: Meliadine - PO#1380289

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CERTIFICATE OF ANALYSIS

Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed	5: ARDG-000997 -TIR01D-1005 Time	6: ARDG-000998 -TIR01D-1005 Time	7: ARDG-000999 -TIR01D-1005 Time	8: ARDG-001000 -TIR01D-1005 Time	9: ARDG-001001 -TIR01D-1005 Time	10: ARDG-001002 -TIR01D-1005 Time
Sample Date & Time					12-Feb-24	12-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24
Sample weight [g]	08-Mar-24	13:09	12-Mar-24	09:14	250	251	250	250	250	250
Volume D.I. Water [mL]	11-Mar-24	06:45	12-Mar-24	09:14	750	750	750	750	750	750
pH [no unit]	12-Mar-24	07:32	12-Mar-24	09:14	9.11	8.78	8.95	8.96	9.10	8.99
pH [No unit]	12-Mar-24	13:16	14-Mar-24	11:06	8.69	8.41	8.39	8.53	8.39	8.52
Conductivity [uS/cm]	12-Mar-24	13:16	14-Mar-24	09:32	237	251	280	263	211	228
Alkalinity [mg/L as CaCO3]	12-Mar-24	13:16	14-Mar-24	09:32	52	55	62	55	54	58
SO4 [mg/L]	12-Mar-24	10:45	12-Mar-24	12:48	13	37	13	12	9	15
Hg (diss) [mg/L]	13-Mar-24	14:09	14-Mar-24	16:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.721	0.688	0.647	0.653	0.709	0.641
As (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.134	0.104	0.0846	0.0731	0.105	0.0567
Ba (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.00235	0.00250	0.00283	0.00282	0.00180	0.00284
B (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.018	0.016	0.028	0.027	0.022	0.022
Be (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-000997 Completed -TIR01D-1005 Time	5: Analysis ARDG-000998 -TIR01D-1005 0MS10-Kwa-s	6: Analysis ARDG-000999 -TIR01D-1005 0MS10-Kwa-s	7: Analysis ARDG-001000 -TIR01D-1005 0MS10-Kwa-s	8: Analysis ARDG-001001 -TIR01D-1005 0MS10-Kwa-s	9: Analysis ARDG-001002 -TIR01D-1005 0MS10-Kwa-s	10:
Bi (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	8.85	10.5	10.7	11.1	9.50	11.4
Cd (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.000005	0.000003	0.000003	< 0.000003	0.000003	0.000005
Co (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.000025	0.000039	0.000018	0.000018	0.000021	0.000021
Cr (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	< 0.00008	0.00010	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	< 0.007	0.011	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	20.3	20.7	22.1	20.3	19.9	19.0
Li (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.0012	0.0012	0.0009	0.0009	0.0009	0.0011
Mg (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	3.10	3.84	3.74	3.83	3.11	3.82
Mn (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.00105	0.00179	0.00125	0.00110	0.00113	0.00138
Mo (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.0108	0.0080	0.0094	0.0100	0.0088	0.0140
Na (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	24.0	22.3	27.2	25.1	18.0	17.9
Ni (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.0002	0.0003	0.0002	0.0002	0.0003	0.0003
Pb (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.0081	0.0070	0.0150	0.0126	0.0059	0.0071
Se (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.00045	0.00073	0.00028	0.00028	0.00020	0.00038
Si (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	1.81	1.99	1.56	1.47	1.58	1.78
Sn (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.00011	0.00009	0.00014	0.00012	0.00010	0.00006
Sr (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.0380	0.0432	0.0342	0.0350	0.0302	0.0453
Ti (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.0005	0.0006	0.0003	0.0002	0.0001	0.0001
Tl (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.000008	0.000009	0.000009	0.000009	0.000014	0.000011
U (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.000288	0.000685	0.000134	0.000105	0.000102	0.000264
V (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.00231	0.00203	0.00124	0.00101	0.00170	0.00127
W (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	0.00311	0.00325	0.00153	0.00144	0.00205	0.00661
Y (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	14-Mar-24	12:05	14-Mar-24	16:47	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: ARDG-001003 -TIR01D-1005 OMS10-Kwa-s	12: ARDG-001004 -TIR01D-1005 OMS10-Kwa-s	13: ARDG-001005 -TIR01D-1005 OMS10-Kwa-s	14: ARDG-001006 -TIR01D-1005 OMS10-Kwa-s	15: ARDG-001007 -TIR01D-1005 OMS10-Kwa-s	16: ARDG-001008 -TIR01D-1005 OMS10-Kwa-s	17: ARDG-001008 -TIR01D-1005 OMS10-Kwa-s	18:BLK: \$D.I. Leachate Blank
Sample Date & Time	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24		
Sample weight [g]	251	250	250	251	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750
pH [no unit]	8.85	8.97	9.06	8.78	8.58	8.88	8.84	5.72
pH [No unit]	8.35	8.38	8.32	8.54	8.20	8.33	8.48	6.83
Conductivity [uS/cm]	220	255	233	378	407	263	267	3
Alkalinity [mg/L as CaCO3]	57	60	59	67	59	55	58	< 2
SO4 [mg/L]	10	16	8	17	53	22	22	< 2
Hg (diss) [mg/L]	< 0.00001	< 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	< 0.00005
Al (diss) [mg/L]	0.655	0.626	0.726	0.487	0.317	0.631	0.640	0.018
As (diss) [mg/L]	0.0099	0.0333	0.105	0.0019	0.0016	0.0202	0.0212	< 0.0002
Ba (diss) [mg/L]	0.00204	0.00772	0.00256	0.0167	0.0143	0.00522	0.00536	0.00013
B (diss) [mg/L]	0.020	0.019	0.020	0.019	0.059	0.029	0.029	< 0.002
Be (diss) [mg/L]	< 0.000007	< 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	< 0.00001
Ca (diss) [mg/L]	12.2	11.5	9.47	16.7	19.9	12.4	12.2	0.07
Cd (diss) [mg/L]	0.000003	0.000008	< 0.000003	0.000003	0.000004	0.000004	0.000007	< 0.000003
Co (diss) [mg/L]	0.000012	0.000018	0.000021	0.000031	0.000014	0.000012	0.000012	0.000009
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00017	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.004	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	0.007	< 0.007	< 0.007	< 0.007	0.009
K (diss) [mg/L]	13.9	22.1	20.1	27.1	17.9	14.9	14.9	0.049
Li (diss) [mg/L]	0.0008	0.0011	0.0008	0.0027	0.0026	0.0013	0.0013	< 0.0001
Mg (diss) [mg/L]	3.48	4.20	3.11	5.86	5.74	3.53	3.44	0.014
Mn (diss) [mg/L]	0.00108	0.00111	0.00093	0.00210	0.00439	0.00140	0.00132	0.00080
Mo (diss) [mg/L]	0.0062	0.0104	0.0082	0.0072	0.0060	0.0076	0.0071	< 0.0004
Na (diss) [mg/L]	19.5	20.3	20.5	27.5	42.7	26.9	26.6	0.02

Analysis	11:	12:	13:	14:	15:	16:	17:	18:BLK:
	ARDG-001003	ARDG-001004	ARDG-001005	ARDG-001006	ARDG-001007	ARDG-001008	ARDG-001008	\$D.I.
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	Leachate
	OMS10-Kwa-s	OMS10-Kwa-s	OMS10-Kwa-s	OMS10-Kwa-s	OMS10-Kwa-s	OMS10-Kwa-s	OMS10-Kwa-s	Blank
Ni (diss) [mg/L]	0.0002	0.0003	0.0002	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	0.00023	< 0.00009
Sb (diss) [mg/L]	0.0024	0.0036	0.0056	< 0.0009	< 0.0009	0.0038	0.0038	< 0.0009
Se (diss) [mg/L]	0.00016	0.00028	0.00035	0.00015	0.00035	0.00038	0.00032	< 0.00004
Si (diss) [mg/L]	1.23	1.61	1.62	1.53	1.72	1.55	1.48	0.03
Sn (diss) [mg/L]	0.00009	0.00012	0.00013	0.00011	0.00012	0.00013	0.00023	0.00007
Sr (diss) [mg/L]	0.0432	0.0664	0.0300	0.150	0.195	0.0614	0.0594	0.00041
Ti (diss) [mg/L]	0.0001	0.0004	0.0001	0.0001	0.0001	0.0001	< 0.0001	0.0005
Tl (diss) [mg/L]	0.000007	0.000011	0.000011	0.000027	0.000007	0.000010	0.000013	< 0.000005
U (diss) [mg/L]	0.000049	0.000108	0.000205	0.000125	0.000920	0.000131	0.000119	0.000002
V (diss) [mg/L]	0.00041	0.00107	0.00155	0.00023	0.00016	0.00058	0.00057	0.00001
W (diss) [mg/L]	0.00072	0.00184	0.00179	0.00195	0.00253	0.00224	0.00216	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.003	< 0.002

Reissued to include QC Report

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



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

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: EWL0199-MAR24													
Alkalinity	2	mg/L as Ca	< 2			40	20	98	80	120	NA		
Alkalinity - QCBatchID: EWL0202-MAR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5030-MAR24													
Sulphate	2	mg/L	<2			ND	20	110	80	120	113	75	125
Conductivity - QCBatchID: EWL0199-MAR24													
Conductivity	2	uS/cm	< 2			ND	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0202-MAR24													
Conductivity	2	uS/cm	2			1	20	108	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0022-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	120	80	120	99	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0122-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	102	90	110	95	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	109	90	110	121	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			9	20	102	90	110	106	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	101	90	110	105	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			13	20	107	90	110	115	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	100	90	110	71	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	94	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			12	20	101	90	110	116	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			18	20	102	90	110	99	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			5	20	105	90	110	115	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			2	20	101	90	110	99	70	130
Copper (dissolved)	0.001	mg/L	<0.001			0	20	101	90	110	115	70	130
Iron (dissolved)	0.007	mg/L	<0.007			2	20	101	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	103	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	103	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	101	90	110	100	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	102	90	110	106	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	102	90	110	101	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			1	20	99	90	110	116	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			4	20	106	90	110	96	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			1	20	97	90	110	92	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	99	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	99	90	110	90	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	101	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			14	20	104	90	110	104	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			8	20	100	90	110	97	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	99	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	98	90	110	98	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	106	90	110	108	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			6	20	97	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			11	20	103	90	110	123	70	130
pH - QCBatchID: EWL0199-MAR24													
pH	0.05	No unit	NA			1		101			NA		
pH - QCBatchID: EWL0202-MAR24													
pH	0.05	No unit	NA			0		101			NA		

19-June-2024

Agnico Eagle Mines Limited

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Date Rec. : 23 February 2024
LR Report: CA19202-FEB24
Reference: Meliadine - PO#1380289

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-000997-T IR01D-10050MS 10-Kwa-s	6: ARDG-000998-T IR01D-10050MS 10-Kwa-s	7: ARDG-000999-T IR01D-10050MS 10-Kwa-s	8: ARDG-001000-T IR01D-10050MS 10-Kwa-s	9: ARDG-001001-T IR01D-10050MS 10-Kwa-s	10: ARDG-001002-T IR01D-10050MS 10-Kwa-s
Sample Date & Time					12-Feb-24	12-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24
Ag [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	64000	56000	75000	76000	77000	69000
As [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	50	49	240	210	410	120
Ba [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	700	590	630	590	590	630
Be [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	1.3	1.2	1.6	1.4	1.4	1.5
Bi [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	0.24	0.22	0.23	0.26	0.16	0.18
Ca [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	10000	12000	11000	13000	13000	14000
Cd [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	0.08	0.09	0.10	0.10	0.10	0.06
Co [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	22	19	24	25	26	24
Cr [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	130	84	82	72	77	77
Cu [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	61	35	54	54	54	46
Fe [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	41000	34000	61000	61000	57000	49000
K [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	20000	17000	21000	19000	23000	20000
Li [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	36	27	41	39	43	31
Mg [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	14000	10000	16000	16000	17000	12000
Mn [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	290	290	400	410	360	330
Mo [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	1.9	1.9	1.8	1.8	2.0	2.7

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000997-T IR01D-10050MS 10-Kwa-s	6: ARDG-000998-T IR01D-10050MS 10-Kwa-s	7: ARDG-000999-T IR01D-10050MS 10-Kwa-s	8: ARDG-001000-T IR01D-10050MS 10-Kwa-s	9: ARDG-001001-T IR01D-10050MS 10-Kwa-s	10: ARDG-001002-T IR01D-10050MS 10-Kwa-s
Ni [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	72	60	79	77	85	62
P [µg/g]	06-Mar-24	12:50	05-Jun-24	09:30	450	360	500	480	420	370
Pb [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	12	13	9	8	8	11
Sb [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	< 0.8	< 0.8	0.9	< 0.8	< 0.8	< 0.8
Se [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	0.3	0.3	0.3	0.3	0.3	0.3
Sn [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	210	220	110	120	130	150
Ti [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	2900	2700	2900	2700	3100	2900
Tl [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	0.47	0.44	0.53	0.47	0.59	0.52
U [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	1.8	1.4	2.0	1.9	1.8	1.8
V [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	100	73	120	110	130	99
Y [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	5.8	4.0	7.0	7.2	6.1	6.0
Zn [µg/g]	06-Mar-24	12:50	08-Mar-24	11:26	78	57	84	83	89	75

Analysis	11: ARDG-001003-T IR01D-10050MS 10-Kwa-s	12: ARDG-001004-T IR01D-10050MS 10-Kwa-s	13: ARDG-001005-T IR01D-10050MS 10-Kwa-s	14: ARDG-001006-T IR01D-10050MS 10-Kwa-s	15: ARDG-001007-T IR01D-10050MS 10-Kwa-s	16: ARDG-001008-T IR01D-10050MS 10-Kwa-s
Sample Date & Time	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24	15-Feb-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	76000	63000	69000	56000	61000	68000
As [µg/g]	64	130	140	7.3	8.8	120
Ba [µg/g]	410	1100	690	670	570	480
Be [µg/g]	1.1	1.7	1.5	1.2	1.2	1.3
Bi [µg/g]	0.22	0.29	0.41	0.17	< 0.09	0.14
Ca [µg/g]	17000	15000	13000	16000	20000	19000
Cd [µg/g]	0.07	0.09	0.09	0.05	0.05	0.09
Co [µg/g]	21	22	21	10	8.8	12
Cr [µg/g]	60	96	89	65	44	77
Cu [µg/g]	44	70	44	20	15	36
Fe [µg/g]	77000	57000	51000	130000	120000	64000
K [µg/g]	14000	21000	23000	15000	12000	13000

Analysis	11: ARDG-001003-T IR01D-10050MS 10-Kwa-s	12: ARDG-001004-T IR01D-10050MS 10-Kwa-s	13: ARDG-001005-T IR01D-10050MS 10-Kwa-s	14: ARDG-001006-T IR01D-10050MS 10-Kwa-s	15: ARDG-001007-T IR01D-10050MS 10-Kwa-s	16: ARDG-001008-T IR01D-10050MS 10-Kwa-s
Li [µg/g]	39	35	30	30	34	35
Mg [µg/g]	16000	17000	16000	10000	9900	11000
Mn [µg/g]	450	370	440	270	430	390
Mo [µg/g]	1.7	1.8	2.1	1.2	1.2	1.8
Ni [µg/g]	68	88	75	23	20	42
P [µg/g]	560	840	430	570	520	430
Pb [µg/g]	5	14	23	5	5	12
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.4	0.3	0.2	0.2	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	120	290	130	200	250	210
Ti [µg/g]	2700	3300	3000	1800	1900	2600
Tl [µg/g]	0.33	0.60	0.57	0.38	0.26	0.34
U [µg/g]	1.8	1.8	1.9	1.0	1.3	0.80
V [µg/g]	110	110	110	41	38	62
Y [µg/g]	7.6	6.1	6.1	5.1	5.8	4.1
Zn [µg/g]	78	77	68	56	56	76

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite



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

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: EMS0041-MAR24													
Calcium	3	µg/g	<3			2		102			83		
Phosphorus	3	µg/g	<3			3		100			85		
Potassium	3	µg/g	<3			2		104			90		
Metals - Microwave/ICP-MS - QCBatchID: EMS0041-MAR24													
Aluminum	3	µg/g	<3			2	20	101	70	130	84	70	130
Antimony	0.8	µg/g	<0.8			2	20	95	70	130	98	70	130
Arsenic	0.5	µg/g	<0.5			0	20	104	70	130	94	70	130
Barium	0.01	µg/g	<0.01			8	20	102	70	130	108	70	130
Beryllium	0.02	µg/g	<0.02			0	20	101	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			8	20	102	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			2	20	103	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			4	20	104	70	130	48	70	130
Cobalt	0.01	µg/g	<0.01			1	20	99	70	130	89	70	130
Copper	0.1	µg/g	<0.1			1	20	95	70	130	95	70	130
Iron	3	µg/g	<3			2	20	107	70	130	94	70	130
Lead	0.05	µg/g	<0.05			7	20	102	70	130	108	70	130
Lithium	2	µg/g	<2			0	20	102	70	130	109	70	130
Magnesium	3	µg/g	<3			3	20	107	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			2	20	101	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	103	70	130	99	70	130
Nickel	0.1	µg/g	<0.1			2	20	99	70	130	105	70	130
Selenium	0.1	µg/g	<0.1			2	20	104	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			15	20	105	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	102	70	130	96	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			8	20	99	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			0	20	100	70	130	98	70	130
Vanadium	1	µg/g	<1			1	20	101	70	130	93	70	130
Yttrium	0.004	µg/g	<0.004			0	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	102	70	130	97	70	130



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
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Phone: (819) 759-3555
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

20-June-2024

Date Rec. : 23 February 2024
LR Report: CA19204-FEB24
Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed	5: ARDG-001009 -TIR01C-1004 Time	6: ARDG-001010 -TIR01C-1004 Time	7: ARDG-001011 -TIR01C-1004 Time	8: ARDG-001012 -TIR01C-1004 Time	9: ARDG-001013 -TIR01C-1004 Time	10: ARDG-001014 -TIR01C-1004 Time
					OVS12-Kwa-s	OVS12-Kwa-s	OVS12-Kwa-s	OVS12-MV	OVS12-MV	OVS12-Kwa-s
Sample Date & Time					12-Feb-24	12-Feb-24	17-Feb-24	17-Feb-24	17-Feb-24	18-Feb-24
Paste pH [no unit]	29-Feb-24	18:02	06-Mar-24	15:42	8.85	8.95	9.13	8.92	8.89	9.28
Fizz Rate [rating]	29-Feb-24	18:02	06-Mar-24	15:42	3	3	3	3	3	3
Sample weight [g]	29-Feb-24	18:02	06-Mar-24	15:42	2.00	1.98	1.98	1.99	1.99	1.98
HCl_add [mL]	06-Mar-24	06:30	06-Mar-24	15:42	152.50	150.00	37.00	120.30	109.50	36.80
HCl [Normality]	05-Mar-24	08:49	06-Mar-24	15:42	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	05-Mar-24	08:49	06-Mar-24	15:42	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Mar-24	13:02	06-Mar-24	15:42	38.95	43.63	20.34	47.92	29.87	18.17
Final pH [no unit]	06-Mar-24	08:30	06-Mar-24	15:42	1.74	1.69	1.52	1.76	1.65	1.52
NP [t CaCO3/1000 t]	06-Mar-24	13:02	06-Mar-24	15:42	284	269	42.1	182	200	47.0
AP [t CaCO3/1000 t]	08-Mar-24	09:35	08-Mar-24	09:35	17.5	8.44	4.06	12.8	2.50	3.44
Net NP [t CaCO3/1000 t]	08-Mar-24	09:35	08-Mar-24	09:35	266	260	38.0	169	198	43.6
NP/AP [ratio]	08-Mar-24	09:35	08-Mar-24	09:35	16.2	31.8	10.4	14.2	80.0	13.7
S [%]	08-Mar-24	08:31	08-Mar-24	09:35	0.635	0.374	0.194	0.471	0.123	0.214
Acid Leachable SO4-S [%]	08-Mar-24	09:35	08-Mar-24	09:35	0.08	0.10	0.06	0.06	0.04	0.10
Sulphide [%]	07-Mar-24	12:06	08-Mar-24	09:35	0.56	0.27	0.13	0.41	0.08	0.11



SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19204-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed	5: ARDG-001009 -TIR01C-1004 Time	6: ARDG-001010 -TIR01C-1004 0MS12-Kwa-s	7: ARDG-001011 -TIR01C-1004 0MS12-Kwa-s	8: ARDG-001012 -TIR01C-1004 0MS12-MV	9: ARDG-001013 -TIR01C-1004 0MS12-MV	10: ARDG-001014 -TIR01C-1004 0MS12-Kwa-s
C [%]	08-Mar-24	08:31	08-Mar-24	09:35	3.97	3.83	0.637	3.28	2.57	0.627
CO3 (HCl) as %CO3 [%]	08-Mar-24	08:37	08-Mar-24	09:35	19.4	18.7	2.68	15.8	12.4	2.67

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0015-MAR24													
Carbon (total)	0.005	%	<0.005			5	20				97	70	13
Sulphur (total)	0.005	%	<0.005			5	20				103	70	13
Carbon/Sulphur - QCBatchID: ECS0020-MAR24													
Sulphide	0.04	%	< 0.01			1	20	110	80	120			
Carbon/Sulphur - QCBatchID: ECS0023-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			

Agnico Eagle Mines Limited

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

19-June-2024

Date Rec. : 23 February 2024
LR Report: CA19205-FEB24
Reference: Meliadine - PO#1380289

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-001009-T IR01C-10040MS 12-Kwa-s	6: ARDG-001010-T IR01C-10040MS 12-Kwa-s	7: ARDG-001011-T IR01C-10040MS 12-Kwa-s	8: ARDG-001012-T IR01C-10040MS 12-MV	9: ARDG-001013-T IR01C-10040MS 12-MV	10: ARDG-001014-T IR01C-10040MS 12-Kwa-s
Sample Date & Time					12-Feb-24	12-Feb-24	17-Feb-24	17-Feb-24	17-Feb-24	18-Feb-24
Ag [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	< 0.5	< 0.5	< 0.5	< 0.5	1.1	< 0.5
Al [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	68000	69000	73000	79000	78000	68000
As [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	270	210	27	74	44	29
Ba [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	94	120	2200	120	79	610
Be [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	0.46	0.48	1.4	0.52	0.45	1.2
Bi [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	0.11	< 0.09	0.12	< 0.09	< 0.09	0.20
Ca [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	95000	90000	10000	88000	75000	14000
Cd [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	0.26	0.29	0.06	0.17	0.12	0.08
Co [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	47	43	19	52	45	20
Cr [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	88	89	77	113	117	85
Cu [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	260	100	76	100	94	49
Fe [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	71000	62000	43000	61000	72000	42000
K [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	4100	5400	20000	4400	3300	18000
Li [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	67	65	47	85	79	36
Mg [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	23000	22000	13000	21000	26000	12000
Mn [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	2000	1900	270	1700	1500	340

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001009-T Completed IR01C-10040MS Time	5: Analysis ARDG-001010-T IR01C-10040MS 12-Kwa-s	6: Analysis ARDG-001011-T IR01C-10040MS 12-Kwa-s	7: Analysis ARDG-001012-T IR01C-10040MS 12-Kwa-s	8: Analysis ARDG-001013-T IR01C-10040MS 12-MV	9: Analysis ARDG-001014-T IR01C-10040MS 12-MV	10: Analysis ARDG-001015-T IR01C-10040MS 12-Kwa-s
Mo [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	0.6	0.6	1.6	0.6	0.5	1.6
Ni [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	120	110	68	120	110	68
P [µg/g]	12-Mar-24	13:00	05-Jun-24	09:28	230	230	450	230	240	460
Pb [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	11	10	13	8	4	7
Sb [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	0.6	0.4	0.2	0.6	0.4	0.3
Sn [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	110	130	380	160	130	270
Ti [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	2200	2000	3300	1000	730	3000
Tl [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	0.23	0.32	0.55	0.25	0.19	0.47
U [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	0.11	0.10	1.3	0.097	0.12	1.5
V [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	190	190	87	210	210	80
Y [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	8.4	8.1	5.6	8.4	7.7	5.4
Zn [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	150	130	67	82	91	59

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite



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

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: EMS0097-MAR24													
Calcium	3	µg/g	<3			3		100			90		
Phosphorus	3	µg/g	<3			6		101			86		
Potassium	3	µg/g	<3			6		104			89		
Metals - Microwave/ICP-MS - QCBatchID: EMS0097-MAR24													
Aluminum	3	µg/g	<3			3	20	92	70	130	99	70	130
Antimony	0.8	µg/g	<0.8			5	20	90	70	130	116	70	130
Arsenic	0.5	µg/g	<0.5			8	20	105	70	130	91	70	130
Barium	0.01	µg/g	<0.01			2	20	107	70	130	106	70	130
Beryllium	0.02	µg/g	<0.02			1	20	100	70	130	89	70	130
Bismuth	0.09	µg/g	<0.09			0	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	105	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	107	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			2	20	105	70	130	90	70	130
Copper	0.1	µg/g	<0.1			7	20	108	70	130	99	70	130
Iron	3	µg/g	<3			1	20	101	70	130	91	70	130
Lead	0.05	µg/g	<0.05			3	20	105	70	130	106	70	130
Lithium	2	µg/g	<2			1	20	100	70	130	103	70	130
Magnesium	3	µg/g	<3			2	20	104	70	130	91	70	130
Manganese	0.1	µg/g	<0.1			5	20	103	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			7	20	101	70	130	90	70	130
Nickel	0.1	µg/g	<0.1			1	20	106	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			ND	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	104	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	104	70	130	100	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			6	20	102	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	100	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			3	20	105	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	104	70	130	90	70	130
Yttrium	0.004	µg/g	<0.004			10	20	104	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	107	70	130	94	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 23 February 2024

LR Report: CA19206-FEB24

Reference: Meliadine - PO#1380289

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-001009 ARDG-001010 ARDG-001011 -TIR01C-1004 -TIR01C-1004 -TIR01C-1004 0MS12-Kwa-s	6: ARDG-001010 ARDG-001011 ARDG-001011 -TIR01C-1004 -TIR01C-1004 -TIR01C-1004 0MS12-Kwa-s	7: ARDG-001011 ARDG-001011 ARDG-001011 -TIR01C-1004 -TIR01C-1004 -TIR01C-1004 0MS12-Kwa-s
Sample Date & Time					12-Feb-24	12-Feb-24	17-Feb-24
Sample weight [g]	12-Mar-24	06:26	13-Mar-24	09:15	250	249	251
Volume D.I. Water [mL]	12-Mar-24	06:55	13-Mar-24	09:15	750	750	750
pH [no unit]	13-Mar-24	06:40	13-Mar-24	09:15	8.93	8.91	9.23
pH [No unit]	13-Mar-24	12:51	14-Mar-24	11:02	8.15	8.15	8.36
Conductivity [uS/cm]	13-Mar-24	12:51	14-Mar-24	11:02	207	192	214
Alkalinity [mg/L as CaCO3]	13-Mar-24	12:51	14-Mar-24	11:02	71	66	58
SO4 [mg/L]	13-Mar-24	08:51	13-Mar-24	15:06	10	9	9
Hg (diss) [mg/L]	14-Mar-24	12:50	19-Mar-24	10:42	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.611	0.590	0.695
As (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.0765	0.0609	0.0546
Ba (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.00036	0.00031	0.0111
B (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.017	0.014	0.014
Be (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	8.41	8.86	7.39
Cd (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.000003	< 0.000003	0.000004
Co (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.000033	0.000028	0.000052
Cr (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.007	< 0.007	0.010
K (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	2.51	2.34	18.3
Li (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.0018	0.0017	0.0019
Mg (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	3.88	3.75	2.31
Mn (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.00202	0.00231	0.00079
Mo (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.0027	0.0025	0.0093
Na (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	24.2	20.9	17.5
Ni (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.0002	0.0002	0.0002

Online LIMS

0003749139

**SGS Canada Inc.**

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mel

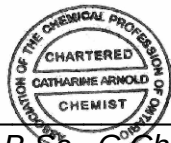
Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19206-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001009 -TIR01C-1004 OMS12-Kwa-s	6: ARDG-001010 -TIR01C-1004 OMS12-Kwa-s	7: ARDG-001011 -TIR01C-1004 OMS12-Kwa-s
Pb (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.0052	0.0042	0.0119
Se (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.00044	0.00037	0.00014
Si (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	1.24	1.16	1.65
Sn (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.00020	0.00013	0.00016
Sr (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.0102	0.0107	0.0580
Ti (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.0001	< 0.0001	0.0004
Tl (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.000008	0.000009	0.000238
V (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.00163	0.00124	0.00214
W (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	0.00116	0.00086	0.00176
Y (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	18-Mar-24	14:17	19-Mar-24	10:42	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001012 -TIR01C-1004 OMS12-MV	9: ARDG-001013 -TIR01C-1004 OMS12-MV	10: ARDG-001014 -TIR01C-1004 OMS12-Kwa-s
Sample Date & Time	17-Feb-24	17-Feb-24	18-Feb-24
Sample weight [g]	251	250	250
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.71	8.99	9.32
pH [No unit]	8.14	8.02	8.20
Conductivity [uS/cm]	293	173	171
Alkalinity [mg/L as CaCO3]	62	46	49
SO4 [mg/L]	49	4	5
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.447	0.755	0.978
As (diss) [mg/L]	0.0172	0.0063	0.0585
Ba (diss) [mg/L]	0.00058	0.00069	0.00144
B (diss) [mg/L]	0.010	0.010	0.012
Be (diss) [mg/L]	0.000008	< 0.000007	0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	17.3	8.82	5.58
Cd (diss) [mg/L]	< 0.000003	< 0.000003	0.000003
Co (diss) [mg/L]	0.000052	0.000005	0.000103
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	0.103
K (diss) [mg/L]	2.42	3.83	15.7
Li (diss) [mg/L]	0.0020	0.0008	0.0008
Mg (diss) [mg/L]	6.08	1.74	1.23

Analysis	8: ARDG-001012 -TIR01C-1004 OMS12-MV	9: ARDG-001013 -TIR01C-1004 OMS12-MV	10: ARDG-001014 -TIR01C-1004 OMS12-Kwa-s
Mn (diss) [mg/L]	0.00478	0.00100	0.00200
Mo (diss) [mg/L]	0.0038	0.0011	0.0049
Na (diss) [mg/L]	27.8	17.6	14.2
Ni (diss) [mg/L]	0.0001	< 0.0001	0.0004
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00050
Sb (diss) [mg/L]	0.0027	< 0.0009	0.0074
Se (diss) [mg/L]	0.00123	0.00006	0.00020
Si (diss) [mg/L]	1.19	0.87	1.76
Sn (diss) [mg/L]	0.00033	0.00030	0.00025
Sr (diss) [mg/L]	0.0242	0.0184	0.0295
Ti (diss) [mg/L]	< 0.0001	< 0.0001	0.0009
Tl (diss) [mg/L]	< 0.000005	< 0.000005	0.000005
U (diss) [mg/L]	0.000018	0.000004	0.000342
V (diss) [mg/L]	0.00082	0.00088	0.00313
W (diss) [mg/L]	0.00105	0.00312	0.00212
Y (diss) [mg/L]	< 0.00002	< 0.00002	0.00002
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

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: EWL0230-MAR24													
Alkalinity	2	mg/L as Ca	< 2			1	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5033-MAR24													
Sulphate	2	mg/L	<2			1	20	107	80	120	93	75	125
Conductivity - QCBatchID: EWL0230-MAR24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0024-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	107	80	120	91	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0149-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	117	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	111	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	101	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	98	90	110	101	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	97	90	110	95	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	119	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	91	90	110	92	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	95	90	110	115	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	98	90	110	105	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	112	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			13	20	96	90	110	101	70	130
Copper (dissolved)	0.001	mg/L	<0.001			4	20	96	90	110	106	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	92	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	93	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	93	90	110	93	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	92	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	96	90	110	112	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	99	90	110	97	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			9	20	96	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			7	20	102	90	110	99	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			0	20	95	90	110	113	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	92	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	71	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	95	90	110	94	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			4	20	97	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			10	20	93	90	110	101	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	91	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	91	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	91	90	110	114	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	107	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	96	90	110	126	70	130
pH - QCBatchID: EWL0230-MAR24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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 February 2024

LR Report: CA19223-FEB24

Reference: Meliadine - PO#1380289

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-001022 -TIR01D-1005 OMS14-Kwa-s	6: ARDG-001023 -TIR01D-1005 OMS14-Kwa-s	7: ARDG-001024 -TIR01D-1005 OMS14-Kwa-s
Sample Date & Time					22-Feb-24	22-Feb-24	22-Feb-24
Paste pH [no unit]	11-Mar-24	08:03	12-Mar-24	13:31	8.93	9.05	8.76
Fizz Rate [rating]	11-Mar-24	07:40	12-Mar-24	13:31	3	3	3
Sample weight [g]	08-Mar-24	09:29	12-Mar-24	13:31	2.00	2.02	2.01
HCl_add [mL]	12-Mar-24	06:31	12-Mar-24	13:31	111.70	125.00	76.40
HCl [Normality]	11-Mar-24	08:33	12-Mar-24	13:31	0.10	0.10	0.10
NaOH [Normality]	11-Mar-24	08:33	12-Mar-24	13:31	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12-Mar-24	12:52	12-Mar-24	13:31	27.20	31.18	24.52
Final pH [no unit]	12-Mar-24	08:32	12-Mar-24	13:31	1.63	1.60	1.64
NP [t CaCO3/1000 t]	12-Mar-24	12:52	12-Mar-24	13:31	211	232	129
AP [t CaCO3/1000 t]	12-Mar-24	13:31	12-Mar-24	13:31	12.2	7.19	15.9
Net NP [t CaCO3/1000 t]	12-Mar-24	13:31	12-Mar-24	13:31	199	225	113
NP/AP [ratio]	12-Mar-24	13:31	12-Mar-24	13:31	17.3	32.3	8.10
S [%]	08-Mar-24	08:31	08-Mar-24	15:39	0.456	0.290	0.664
Acid Leachable SO4-S [%]	08-Mar-24	15:39	08-Mar-24	15:39	0.07	0.06	0.15
Sulphide [%]	08-Mar-24	15:04	08-Mar-24	15:39	0.39	0.23	0.51
C [%]	08-Mar-24	08:31	08-Mar-24	09:36	2.65	3.07	2.02
CO3 (HCl) as %CO3 [%]	08-Mar-24	08:37	08-Mar-24	09:36	12.8	14.9	9.85

Analysis	8: ARDG-001025 -TIR01D-1005 OMS14-Kwa-s	9: ARDG-001026 -TIR01D-1005 OMS14-Kwa-s	10: ARDG-001027 -TIR01D-1005 OMS14-Kwa-s	11: ARDG-001028 -TIR01D-1005 OMS14-Kwa-s	12: ARDG-001029 -TIR01D-1005 OMS14-Kwa-s	13: ARDG-001030 -TIR01D-1005 OMS14-Kwa-s	14: ARDG-001031 -TIR01D-1005 OMS14-Kwa-s
Sample Date & Time	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24
Paste pH [no unit]	8.72	8.89	8.73	8.69	9.05	8.88	8.83
Fizz Rate [rating]	3	3	3	3	3	3	3
Sample weight [g]	2.01	2.01	2.02	2.00	2.02	2.02	2.01
HCl_add [mL]	77.20	119.00	33.40	124.70	116.50	144.00	44.70

Online LIMS

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**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19223-FEB24

Analysis	8:	9:	10:	11:	12:	13:	14:
	ARDG-001025	ARDG-001026	ARDG-001027	ARDG-001028	ARDG-001029	ARDG-001030	ARDG-001031
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005
	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s
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]	24.71	44.98	12.44	34.94	28.97	38.55	19.65
Final pH [no unit]	1.64	1.68	1.81	1.62	1.70	1.66	1.56
NP [t CaCO3/1000 t]	131	184	51.9	224	217	261	62.3
AP [t CaCO3/1000 t]	19.1	8.75	5.62	13.8	4.06	8.44	4.38
Net NP [t CaCO3/1000 t]	112	175	46.3	211	213	253	57.9
NP/AP [ratio]	6.85	21.0	9.23	16.3	53.3	30.9	14.2
S [%]	0.703	0.301	0.220	0.613	0.240	0.335	0.196
Acid Leachable SO4-S [%]	0.09	< 0.04	< 0.04	0.17	0.11	0.06	0.06
Sulphide [%]	0.61	0.28	0.18	0.44	0.13	0.27	0.14
C [%]	2.13	3.15	0.771	2.97	3.80	3.32	0.966
CO3 (HCl) as %CO3 [%]	10.4	15.3	3.64	14.6	18.7	16.3	4.53

Analysis	15:	16:	17:	18:	19:	20:
	ARDG-001032	ARDG-001033	ARDG-001034	ARDG-001035	ARDG-001036	ARDG-001037
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005
	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s
Sample Date & Time	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24
Paste pH [no unit]	9.00	8.99	8.76	9.00	8.95	9.02
Fizz Rate [rating]	3	3	3	3	2	3
Sample weight [g]	2.02	2.00	2.00	2.03	2.01	2.04
HCl_add [mL]	130.60	82.20	35.80	119.60	27.60	132.80
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]	31.91	16.00	13.49	28.26	11.65	28.70
Final pH [no unit]	1.62	1.92	1.81	1.64	1.84	1.63
NP [t CaCO3/1000 t]	244	166	55.8	225	39.7	255
AP [t CaCO3/1000 t]	5.62	18.8	8.12	3.44	3.75	3.12
Net NP [t CaCO3/1000 t]	239	147	47.7	222	36.0	252
NP/AP [ratio]	43.4	8.83	6.87	65.5	10.6	81.7
S [%]	0.242	0.713	0.287	0.115	0.142	0.134
Acid Leachable SO4-S [%]	0.06	0.11	< 0.04	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.18	0.60	0.26	0.11	0.12	0.10
C [%]	3.28	3.70	0.872	2.88	0.713	3.34
CO3 (HCl) as %CO3 [%]	16.0	18.2	4.05	14.1	3.05	16.4

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



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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19223-FEB24

*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

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: ECS0007-MAR24													
Sulphide	0.04	%	< 0.01			1	20	103	80	120			
Carbon/Sulphur - QCBatchID: ECS0015-MAR24													
Carbon (total)	0.005	%	<0.005			5	20				97	70	
Sulphur (total)	0.005	%	<0.005			5	20				103	70	
Carbon/Sulphur - QCBatchID: ECS0023-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			

Agnico Eagle Mines Limited

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Meliadine
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Works #: Waste Rock OP TIR01
Project : PO#1380289

19-June-2024

Date Rec. : 28 February 2024
LR Report: CA19224-FEB24
Reference: Meliadine - PO#1380289

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-001022-T IR01D-10050MS 14-Kwa-s	6: ARDG-001023-T IR01D-10050MS 14-Kwa-s	7: ARDG-001024-T IR01D-10050MS 14-Kwa-s	8: ARDG-001025-T IR01D-10050MS 14-Kwa-s	9: ARDG-001026-T IR01D-10050MS 14-Kwa-s	10: ARDG-001027-T IR01D-10050MS 14-Kwa-s
Sample Date & Time					22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24
Ag [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	68000	68000	68000	67000	66000	64000
As [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	36	19	1700	1900	15	100
Ba [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	73	61	920	820	170	480
Be [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	0.46	0.42	1.4	1.4	0.49	1.5
Bi [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	< 0.09	< 0.09	0.18	0.21	< 0.09	0.23
Ca [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	83000	93000	42000	44000	87000	15000
Cd [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	0.36	0.21	0.08	0.09	0.13	0.06
Co [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	45	41	22	26	43	18
Cr [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	89	92	87	77	91	73
Cu [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	100	110	61	63	89	40
Fe [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	71000	63000	33000	40000	66000	73000
K [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	3700	3300	25000	21000	7300	13000
Li [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	79	74	19	26	62	36
Mg [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	20000	19000	11000	14000	20000	15000
Mn [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	2300	2200	700	760	2200	330

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001022-T IR01D-10050MS 14-Kwa-s	6: ARDG-001023-T IR01D-10050MS 14-Kwa-s	7: ARDG-001024-T IR01D-10050MS 14-Kwa-s	8: ARDG-001025-T IR01D-10050MS 14-Kwa-s	9: ARDG-001026-T IR01D-10050MS 14-Kwa-s	10: ARDG-001027-T IR01D-10050MS 14-Kwa-s
Mo [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	1.0	0.7	2.9	2.2	1.2	2.6
Ni [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	110	110	69	84	110	64
P [µg/g]	06-Mar-24	12:50	05-Jun-24	09:28	260	250	540	900	290	560
Pb [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	8	9	13	16	6	7
Sb [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	< 0.8	< 0.8	0.9	1.0	< 0.8	< 0.8
Se [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	0.7	0.5	0.6	0.7	0.6	0.3
Sn [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	38	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	100	110	230	310	140	130
Ti [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	1200	1000	1600	1800	2300	2000
Tl [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	0.21	0.18	1.0	0.86	0.37	0.43
U [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	0.18	0.15	1.5	1.5	0.20	1.9
V [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	200	200	98	110	200	87
Y [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	11	12	8.8	9.8	8.5	8.0
Zn [µg/g]	06-Mar-24	12:50	08-Mar-24	11:27	150	120	32	42	100	66

Analysis	11: ARDG-001028-T IR01D-10050MS 14-Kwa-s	12: ARDG-001029-T IR01D-10050MS 14-Kwa-s	13: ARDG-001030-T IR01D-10050MS 14-Kwa-s	14: ARDG-001031-T IR01D-10050MS 14-Kwa-s	15: ARDG-001032-T IR01D-10050MS 14-Kwa-s	16: ARDG-001033-T IR01D-10050MS 14-Kwa-s	17: ARDG-001034-T IR01D-10050MS 14-Kwa-s	18: ARDG-001035-T IR01D-10050MS 14-Kwa-s	19: ARDG-001036-T IR01D-10050MS 14-Kwa-s	20: ARDG-001037-T IR01D-10050MS 14-Kwa-s
Sample Date & Time	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24
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]	65000	61000	65000	54000	66000	63000	56000	70000	60000	67000
As [µg/g]	280	120	20	540	13	700	150	8.3	160	9.5
Ba [µg/g]	140	110	140	450	130	240	520	110	550	150
Be [µg/g]	0.50	0.56	0.54	1.2	0.53	0.69	1.2	0.53	1.4	0.47
Bi [µg/g]	< 0.09	< 0.09	< 0.09	0.17	< 0.09	0.19	0.20	< 0.09	0.50	< 0.09
Ca [µg/g]	81000	79000	88000	15000	88000	74000	13000	85000	9300	100000
Cd [µg/g]	0.42	0.10	0.12	0.07	0.13	0.10	0.06	0.10	0.07	0.15
Co [µg/g]	42	44	45	21	41	37	23	43	26	41
Cr [µg/g]	120	130	100	80	110	100	84	100	110	110
Cu [µg/g]	110	94	120	48	91	86	74	89	55	97



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Works #:

Waste Rock OP TIR01

Project :

PO#1380289

LR Report :

CA19224-FEB24

Analysis	11:	12:	13:	14:	15:	16:	17:	18:	19:	20:
	ARDG-001028-T	ARDG-001029-T	ARDG-001030-T	ARDG-001031-T	ARDG-001032-T	ARDG-001033-T	ARDG-001034-T	ARDG-001035-T	ARDG-001036-T	ARDG-001037-T
	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS
	14-Kwa-s	14-Kwa-s	14-Kwa-s	14-Kwa-s	14-Kwa-s	14-Kwa-s	14-Kwa-s	14-Kwa-s	14-Kwa-s	14-Kwa-s
Fe [µg/g]	85000	68000	68000	72000	65000	66000	63000	66000	51000	64000
K [µg/g]	6100	8200	6300	16000	6500	14000	19000	5500	24000	6800
Li [µg/g]	72	59	71	43	68	34	40	71	42	67
Mg [µg/g]	22000	27000	22000	16000	22000	21000	16000	22000	17000	20000
Mn [µg/g]	2900	1400	1900	380	1800	1400	360	1800	320	2000
Mo [µg/g]	0.8	0.6	1.0	1.5	1.1	1.0	2.5	0.5	2.7	0.4
Ni [µg/g]	110	100	110	71	110	100	70	110	94	110
P [µg/g]	250	220	220	540	230	260	480	240	380	220
Pb [µg/g]	7	7	3	5	4	7	6	4	7	4
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]	0.7	0.4	0.6	0.3	0.4	0.5	0.3	0.4	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	110	260	140	110	200	260	90	180	91	170
Ti [µg/g]	2500	1100	1500	2000	1200	2400	2400	800	2400	990
Tl [µg/g]	0.33	0.34	0.29	0.47	0.29	0.51	0.58	0.24	0.61	0.27
U [µg/g]	0.19	0.29	0.11	1.5	0.14	0.29	1.6	0.28	1.7	0.11
V [µg/g]	200	190	200	96	200	180	100	200	130	190
Y [µg/g]	6.9	6.6	9.1	6.0	7.9	7.0	7.0	8.1	4.4	11
Zn [µg/g]	250	92	98	76	90	53	74	93	79	100

Revised report with Phosphorus and QC Report added.

Low mineralized Strong Acid-Bulk Metals

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

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: EMS0041-MAR24													
Calcium	3	µg/g	<3			2		102			83		
Phosphorus	3	µg/g	<3			3		100			85		
Potassium	3	µg/g	<3			2		104			90		
Metals - Microwave/ICP-MS - QCBatchID: EMS0041-MAR24													
Aluminum	3	µg/g	<3			2	20	101	70	130	84	70	130
Antimony	0.8	µg/g	<0.8			2	20	95	70	130	98	70	130
Arsenic	0.5	µg/g	<0.5			0	20	104	70	130	94	70	130
Barium	0.01	µg/g	<0.01			8	20	102	70	130	108	70	130
Beryllium	0.02	µg/g	<0.02			0	20	101	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			8	20	102	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			2	20	103	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			4	20	104	70	130	48	70	130
Cobalt	0.01	µg/g	<0.01			1	20	99	70	130	89	70	130
Copper	0.1	µg/g	<0.1			1	20	95	70	130	95	70	130
Iron	3	µg/g	<3			2	20	107	70	130	94	70	130
Lead	0.05	µg/g	<0.05			7	20	102	70	130	108	70	130
Lithium	2	µg/g	<2			0	20	102	70	130	109	70	130
Magnesium	3	µg/g	<3			3	20	107	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			2	20	101	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	103	70	130	99	70	130
Nickel	0.1	µg/g	<0.1			2	20	99	70	130	105	70	130
Selenium	0.1	µg/g	<0.1			2	20	104	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			15	20	105	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	102	70	130	96	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			8	20	99	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			0	20	100	70	130	98	70	130
Vanadium	1	µg/g	<1			1	20	101	70	130	93	70	130
Yttrium	0.004	µg/g	<0.004			0	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	102	70	130	97	70	130

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
 , Nunavut
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Date Rec. : 28 February 2024
 LR Report: CA19225-FEB24
 Reference: Meliadine - PO#1380289

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-001022 -TIR01D-1005 0MS14-Kwa-s	6: ARDG-001023 -TIR01D-1005 0MS14-Kwa-s	7: ARDG-001024 -TIR01D-1005 0MS14-Kwa-s
Sample Date & Time					22-Feb-24	22-Feb-24	22-Feb-24
Sample weight [g]	05-Mar-24	13:04	07-Mar-24	10:29	251	250	251
Volume D.I. Water [mL]	06-Mar-24	06:22	07-Mar-24	10:29	750	750	750
pH [no unit]	07-Mar-24	06:46	07-Mar-24	10:29	8.83	8.96	8.62
pH [No unit]	07-Mar-24	14:58	08-Mar-24	11:51	8.05	8.03	8.21
Conductivity [uS/cm]	07-Mar-24	14:58	08-Mar-24	11:51	206	166	434
Alkalinity [mg/L as CaCO3]	07-Mar-24	14:58	08-Mar-24	11:51	53	47	75
SO4 [mg/L]	07-Mar-24	12:39	07-Mar-24	19:09	20	10	65
Hg (diss) [mg/L]	08-Mar-24	16:24	11-Mar-24	09:11	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.755	0.898	0.400
As (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.0019	0.0019	0.0510
Ba (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.00101	0.00071	0.00717
B (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.018	0.015	0.076
Be (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	12.9	9.91	20.2
Cd (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.000003	< 0.000003	0.000005
Co (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.000021	0.000008	0.000078
Cr (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	4.30	2.84	25.9
Li (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.0019	0.0014	0.0040
Mg (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	2.48	1.69	8.88
Mn (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.00369	0.00277	0.0107
Mo (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.0024	0.0024	0.0136
Na (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	20.2	18.9	35.1
Ni (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.0001	0.0002	0.0007

Online LIMS

0003749164

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19225-FEB24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001022 -TIR01D-1005 0MS14-Kwa-s	6: ARDG-001023 -TIR01D-1005 0MS14-Kwa-s	7: ARDG-001024 -TIR01D-1005 0MS14-Kwa-s
Pb (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.0009	< 0.0009	0.0052
Se (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.00031	0.00016	0.00121
Si (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	1.08	1.14	1.75
Sn (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.0217	0.0171	0.0851
Ti (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.000007	< 0.000005	0.000018
U (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.000012	0.000007	0.00173
V (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.00088	0.00134	0.00073
W (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	0.00055	0.00045	0.00456
Y (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	12-Mar-24	14:55	13-Mar-24	10:51	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001025 -TIR01D-1005 0MS14-Kwa-s	9: ARDG-001026 -TIR01D-1005 0MS14-Kwa-s	10: ARDG-001027 -TIR01D-1005 0MS14-Kwa-s	11: ARDG-001028 -TIR01D-1005 0MS14-Kwa-s	12: ARDG-001029 -TIR01D-1005 0MS14-Kwa-s	13: ARDG-001030 -TIR01D-1005 0MS14-Kwa-s	14: ARDG-001031 -TIR01D-1005 0MS14-Kwa-s
Sample Date & Time	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24
Sample weight [g]	251	250	251	250	250	250	251
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	8.52	8.75	8.74	8.53	8.73	8.66	8.73
pH [No unit]	8.15	8.17	8.15	8.07	8.19	8.12	8.19
Conductivity [uS/cm]	457	244	284	271	273	260	319
Alkalinity [mg/L as CaCO3]	77	60	63	68	86	72	72
SO4 [mg/L]	84	25	19	40	27	21	20
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]	0.333	0.580	0.575	0.403	0.422	0.456	0.504
As (diss) [mg/L]	0.0489	0.0015	0.0130	0.0030	0.0096	0.0022	0.0242
Ba (diss) [mg/L]	0.00853	0.00265	0.00474	0.00184	0.00100	0.00104	0.00326
B (diss) [mg/L]	0.075	0.019	0.040	0.018	0.033	0.024	0.043
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]	22.8	14.2	12.8	21.0	11.7	14.7	13.2
Cd (diss) [mg/L]	0.000007	< 0.000003	0.000004	0.000005	0.000003	0.000004	0.000003
Co (diss) [mg/L]	0.000093	0.000035	0.000016	0.000030	0.000037	0.000036	0.000020
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	23.6	8.24	15.0	6.73	10.2	7.91	18.4
Li (diss) [mg/L]	0.0043	0.0016	0.0010	0.0025	0.0017	0.0024	0.0010
Mg (diss) [mg/L]	10.4	3.82	3.77	6.82	7.29	6.04	4.53

Online LIMS

0003749164

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19225-FEB24

Analysis	8:	9:	10:	11:	12:	13:	14:
	ARDG-001025	ARDG-001026	ARDG-001027	ARDG-001028	ARDG-001029	ARDG-001030	ARDG-001031
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005
	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s
Mn (diss) [mg/L]	0.0114	0.00426	0.00117	0.0107	0.00236	0.00438	0.00142
Mo (diss) [mg/L]	0.0142	0.0029	0.0085	0.0051	0.0048	0.0064	0.0085
Na (diss) [mg/L]	34.5	21.7	26.9	17.6	26.6	25.0	30.1
Ni (diss) [mg/L]	0.0008	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0052	< 0.0009	0.0024	0.0017	0.0029	0.0023	0.0037
Se (diss) [mg/L]	0.00125	0.00022	0.00024	0.00047	0.00039	0.00031	0.00020
Si (diss) [mg/L]	1.73	1.21	1.29	1.18	1.38	1.33	1.36
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.102	0.0324	0.0632	0.0376	0.0426	0.0401	0.0517
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000019	0.000013	0.000017	0.000007	0.000008	0.000010	0.000013
U (diss) [mg/L]	0.00134	0.000019	0.000085	0.000021	0.000035	0.000016	0.000077
V (diss) [mg/L]	0.00063	0.00076	0.00046	0.00043	0.00074	0.00055	0.00037
W (diss) [mg/L]	0.00486	0.00084	0.00089	0.00073	0.00090	0.00084	0.00110
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	15:	16:	17:	18:	19:	20:	21:
	ARDG-001032	ARDG-001033	ARDG-001034	ARDG-001035	ARDG-001036	ARDG-001037	ARDG-001037
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005
	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s
Sample Date & Time	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	22-Feb-24	
Sample weight [g]	250	250	251	249	251	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	8.82	8.65	8.78	8.90	8.82	8.85	8.81
pH [No unit]	8.13	8.25	8.15	8.26	8.35	8.09	8.11
Conductivity [uS/cm]	209	298	313	208	264	203	200
Alkalinity [mg/L as CaCO3]	67	90	65	59	69	62	60
SO4 [mg/L]	8	26	24	12	10	12	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]	0.604	0.462	0.533	0.700	0.619	0.639	0.655
As (diss) [mg/L]	0.0015	0.0220	0.0226	0.0014	0.158	0.0026	0.0023
Ba (diss) [mg/L]	0.00090	0.00264	0.00264	0.00078	0.00216	0.00095	0.00088
B (diss) [mg/L]	0.035	0.029	0.037	0.036	0.034	0.032	0.034
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000010	< 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]	10.5	14.8	13.2	8.93	8.69	10.4	10.2
Cd (diss) [mg/L]	< 0.000003	0.000005	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000016	0.000075	0.000027	0.000006	0.000029	0.000021	0.000011
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Online LIMS

Analysis	15:	16:	17:	18:	19:	20:	21:
	ARDG-001032	ARDG-001033	ARDG-001034	ARDG-001035	ARDG-001036	ARDG-001037	ARDG-001037
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005
	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s	OMS14-Kwa-s
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	6.54	13.9	18.8	6.82	25.1	6.97	7.07
Li (diss) [mg/L]	0.0016	0.0023	0.0009	0.0013	0.0008	0.0013	0.0014
Mg (diss) [mg/L]	3.53	9.21	4.14	2.12	3.08	2.67	2.48
Mn (diss) [mg/L]	0.00253	0.00531	0.00141	0.00185	0.00094	0.00247	0.00251
Mo (diss) [mg/L]	0.0024	0.0075	0.0074	0.0028	0.0071	0.0024	0.0027
Na (diss) [mg/L]	23.0	22.6	29.0	25.2	22.6	22.2	21.7
Ni (diss) [mg/L]	0.0001	0.0004	0.0003	0.0001	0.0003	0.0001	0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0024	0.0096	0.0024	0.0023	0.0062	0.0028	0.0029
Se (diss) [mg/L]	0.00011	0.00057	0.00024	0.00037	0.00014	0.00025	0.00024
Si (diss) [mg/L]	1.15	1.39	1.41	1.19	1.66	1.14	1.17
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0304	0.0479	0.0405	0.0277	0.0243	0.0339	0.0337
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000006	0.000005	0.000012	0.000007	0.000012	0.000008	0.000007
U (diss) [mg/L]	0.000008	0.000043	0.000105	0.000011	0.000124	0.000008	0.000006
V (diss) [mg/L]	0.00073	0.00067	0.00051	0.00100	0.00212	0.00079	0.00088
W (diss) [mg/L]	0.00053	0.00145	0.00162	0.00056	0.00146	0.00042	0.00046
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
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

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: EWL0122-MAR24													
Alkalinity	2	mg/L as Ca	< 2			1	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5016-MAR24													
Sulphate	2	mg/L	<2			4	20	109	80	120	109	75	125
Conductivity - QCBatchID: EWL0122-MAR24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0015-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			12	20	94	80	120	113	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0066-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			2	20	103	90	110	85	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	109	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	101	90	110	99	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	104	90	110	97	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	101	90	110	97	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	104	90	110	89	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	99	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			15	20	99	90	110	97	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	98	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	103	90	110	92	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	98	90	110	94	70	130
Copper (dissolved)	0.001	mg/L	<0.001			2	20	102	90	110	73	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	100	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	102	90	110	96	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			1	20	100	90	110	96	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	104	90	110	88	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	101	90	110	81	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			2	20	98	90	110	84	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			5	20	100	90	110	99	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	104	90	110	97	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	99	90	110	71	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	86	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	101	90	110	92	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	101	90	110	82	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			3	20	101	90	110	92	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	95	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			9	20	96	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			0	20	92	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	101	90	110	73	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			20	20	104	90	110	97	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	98	90	110	111	70	130
pH - QCBatchID: EWL0122-MAR24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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 March 2024

LR Report: CA19338-MAR24

Reference: Meliadine - PO#1380289

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-001015 -TIR01C-1004 OMS13-MV	6: ARDG-001016 -TIR01C-1004 OMS13-MV	7: ARDG-001017 -TIR01C-1004 OMS13-MV
Sample Date & Time					01-Mar-24	01-Mar-24	01-Mar-24
Paste pH [no unit]	15-Mar-24	09:19	19-Mar-24	14:07	8.90	8.87	8.88
Fizz Rate [rating]	15-Mar-24	10:59	19-Mar-24	14:07	3	3	3
Sample weight [g]	15-Mar-24	06:49	19-Mar-24	14:07	2.00	2.03	2.00
HCl_add [mL]	19-Mar-24	07:54	19-Mar-24	14:07	155.00	112.90	120.50
HCl [Normality]	18-Mar-24	06:53	19-Mar-24	14:07	0.10	0.10	0.10
NaOH [Normality]	18-Mar-24	06:53	19-Mar-24	14:07	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Mar-24	07:54	19-Mar-24	14:07	47.22	31.22	32.86
Final pH [no unit]	19-Mar-24	07:54	19-Mar-24	14:07	1.63	1.69	1.68
NP [t CaCO3/1000 t]	19-Mar-24	07:54	19-Mar-24	14:07	269	201	219
AP [t CaCO3/1000 t]	19-Mar-24	14:07	19-Mar-24	14:07	5.94	2.50	1.88
Net NP [t CaCO3/1000 t]	19-Mar-24	14:07	19-Mar-24	14:07	263	199	217
NP/AP [ratio]	19-Mar-24	14:07	19-Mar-24	14:07	45.4	80.5	117
S [%]	18-Mar-24	10:04	18-Mar-24	14:33	0.373	0.133	0.135
Acid Leachable SO4-S [%]	18-Mar-24	14:33	18-Mar-24	14:33	0.18	0.05	0.08
Sulphide [%]	18-Mar-24	14:08	18-Mar-24	14:33	0.19	0.08	0.06
C [%]	18-Mar-24	10:04	18-Mar-24	14:33	3.51	2.52	2.74
CO3 (HCl) as %CO3 [%]	19-Mar-24	11:57	19-Mar-24	14:07	17.0	12.1	13.2

Analysis	8: ARDG-001018 -TIR01C-1004 OMS13-MV	9: ARDG-001019 -TIR01C-1004 OMS13-MV	10: ARDG-001020 -TIR01C-1004 OMS13-MV	11: ARDG-001021 -TIR01C-1004 OMS13-MV
Sample Date & Time	01-Mar-24	01-Mar-24	01-Mar-24	01-Mar-24
Paste pH [no unit]	8.91	8.81	8.93	8.98
Fizz Rate [rating]	3	3	3	2
Sample weight [g]	2.02	2.01	2.02	1.99
HCl_add [mL]	160.40	158.40	123.80	125.20

Analysis	8:	9:	10:	11:
	ARDG-001018	ARDG-001019	ARDG-001020	ARDG-001021
	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004
	OMS13-MV	OMS13-MV	OMS13-MV	OMS13-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]	48.36	48.43	35.07	38.42
Final pH [no unit]	1.67	1.71	1.72	1.63
NP [t CaCO3/1000 t]	277	274	220	218
AP [t CaCO3/1000 t]	8.44	13.4	3.44	2.50
Net NP [t CaCO3/1000 t]	269	260	216	216
NP/AP [ratio]	32.9	20.4	63.9	87.2
S [%]	0.437	0.648	0.158	0.149
Acid Leachable SO4-S [%]	0.17	0.22	0.05	0.07
Sulphide [%]	0.27	0.43	0.11	0.08
C [%]	3.64	3.74	2.94	2.69
CO3 (HCl) as %CO3 [%]	17.3	17.8	14.1	13.0

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

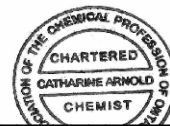
*Net NP (Net Neutralization Potential) = NP-AP

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

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: ECS0045-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	104	80	120			
Carbon/Sulphur - QCBatchID: ECS0046-MAR24													
Carbon (total)	0.005	%	<0.005			5	20				99	70	13
Sulphur (total)	0.005	%	<0.005			8	20				103	70	13
Carbon/Sulphur - QCBatchID: ECS0047-MAR24													
Sulphide	0.04	%	< 0.01			12	20	102	80	120			

11-June-2024

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 07 March 2024
LR Report: CA19339-MAR24
Reference: Meliadine - PO#1380289

Copy: #2

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

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-001015-T IR01C-10040MS 13-MV	6: ARDG-001016-T IR01C-10040MS 13-MV	7: ARDG-001017-T IR01C-10040MS 13-MV	8: ARDG-001018-T IR01C-10040MS 13-MV	9: ARDG-001019-T IR01C-10040MS 13-MV	10: ARDG-001020-T IR01C-10040MS 13-MV	11: ARDG-001021-T IR01C-10040MS 13-MV
Sample Date & Time					01-Mar-24	01-Mar-24	01-Mar-24	01-Mar-24	01-Mar-24	01-Mar-24	01-Mar-24
Ag [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	63000	73000	74000	66000	64000	74000	76000
As [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	320	74	9.8	310	400	93	23
Ba [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	99	49	27	86	85	77	82
Be [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	0.46	0.34	0.41	0.47	0.45	0.45	0.43
Bi [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	100000	78000	92000	95000	95000	79000	84000
Cd [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	0.32	0.20	0.08	0.26	0.32	0.12	0.12
Co [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	37	49	45	42	45	41	45
Cr [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	110	160	120	94	92	90	100
Cu [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	130	110	110	100	140	96	93
Fe [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	59000	77000	68000	61000	61000	74000	68000
K [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	5800	2800	2700	4700	4600	4200	3300
Li [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	50	82	78	54	54	69	73
Mg [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	18000	29000	25000	17000	15000	26000	23000
Mn [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	2000	1600	1700	2000	1900	1600	1600
Mo [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	2.2	0.7	0.6	3.8	4.3	0.6	0.6
Ni [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	100	130	110	100	110	110	120
P [µg/g]	21-Mar-24	00:37	05-Jun-24	09:33	220	210	230	230	200	240	230
Pb [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	10	3	4	9	10	4	3
Sb [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

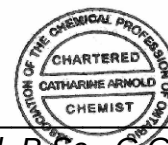
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Wste Rock OP TIR01
Project : PO#1380289
LR Report : CA19339-MAR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001015-T Completed IR01C-10040MS Time	5: ARDG-001016-T IR01C-10040MS 13-MV	6: ARDG-001017-T IR01C-10040MS 13-MV	7: ARDG-001018-T IR01C-10040MS 13-MV	8: ARDG-001019-T IR01C-10040MS 13-MV	9: ARDG-001020-T IR01C-10040MS 13-MV	10: ARDG-001021-T IR01C-10040MS 13-MV	11: ARDG-001021-T IR01C-10040MS 13-MV
Se [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	0.7	0.4	0.4	0.5	0.7	0.4	0.4
Sn [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	110	100	140	130	130	130	100
Ti [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	2100	1500	2200	3100	3000	1500	1500
Tl [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	0.38	0.16	0.17	0.29	0.27	0.22	0.19
U [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	0.22	0.12	0.10	0.13	0.13	0.077	0.078
V [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	180	230	200	190	190	210	210
Y [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	13	11	16	12	12	7.3	10
Zn [µg/g]	21-Mar-24	00:37	21-Mar-24	11:19	150	120	87	170	180	99	88

Low mineralized Strong Acid Bulk Metals
Revised report with P and QC Report added.


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



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: EMS0150-MAR24													
Calcium	3	µg/g	<3			2		98			91		
Phosphorus	3	µg/g	<3			4		92			81		
Potassium	3	µg/g	<3			0		90			84		
Metals - Microwave/ICP-MS - QCBatchID: EMS0150-MAR24													
Aluminum	3	µg/g	<3			1	20	93	70	130	94	70	130
Antimony	0.8	µg/g	<0.8			ND	20	101	70	130	115	70	130
Arsenic	0.5	µg/g	<0.5			10	20	99	70	130	96	70	130
Barium	0.01	µg/g	<0.01			1	20	98	70	130	109	70	130
Beryllium	0.02	µg/g	<0.02			4	20	103	70	130	92	70	130
Bismuth	0.09	µg/g	<0.09			6	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			1	20	99	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	101	70	130	85	70	130
Cobalt	0.01	µg/g	<0.01			2	20	100	70	130	92	70	130
Copper	0.1	µg/g	<0.1			2	20	99	70	130	100	70	130
Iron	3	µg/g	<3			1	20	93	70	130	91	70	130
Lead	0.05	µg/g	<0.05			0	20	96	70	130	108	70	130
Lithium	2	µg/g	<2			3	20	102	70	130	105	70	130
Magnesium	3	µg/g	<3			0	20	92	70	130	92	70	130
Manganese	0.1	µg/g	<0.1			4	20	98	70	130	94	70	130
Molybdenum	0.1	µg/g	<0.1			6	20	100	70	130	99	70	130
Nickel	0.1	µg/g	<0.1			1	20	99	70	130	105	70	130
Selenium	0.1	µg/g	<0.1			1	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	101	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	97	70	130	96	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			0	20	92	70	130	77	70	130
Uranium	0.002	µg/g	<0.002			3	20	95	70	130	98	70	130
Vanadium	1	µg/g	<1			0	20	100	70	130	94	70	130
Yttrium	0.004	µg/g	<0.004			1	20	96	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	100	70	130	96	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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 March 2024

LR Report: CA19340-MAR24

Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Date	4: Analysis ARDG-001015-T Completed IR01C-10040MS Time	5: ARDG-001016-T IR01C-10040MS 13-MV	6: ARDG-001017-T IR01C-10040MS 13-MV	7: ARDG-001018-T IR01C-10040MS 13-MV	8: ARDG-001018-T IR01C-10040MS 13-MV
Sample Date & Time					01-Mar-24	01-Mar-24	01-Mar-24	01-Mar-24
Sample weight [g]	21-Mar-24	06:07	22-Mar-24	09:12	252	252	250	249
Volume D.I. Water [mL]	21-Mar-24	06:28	22-Mar-24	09:12	750	750	750	750
pH [no unit]	22-Mar-24	06:35	22-Mar-24	09:12	8.97	9.00	9.01	8.82
pH [No unit]	22-Mar-24	14:04	26-Mar-24	13:45	8.21	8.16	8.35	8.23
Conductivity [uS/cm]	22-Mar-24	14:04	25-Mar-24	12:24	208	132	127	243
Alkalinity [mg/L as CaCO ₃]	22-Mar-24	14:04	25-Mar-24	12:24	64	44	44	70
SO ₄ [mg/L]	23-Mar-24	10:12	25-Mar-24	15:01	7	5	6	26
Hg (diss) [mg/L]	25-Mar-24	18:02	26-Mar-24	09:21	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.557	0.632	0.717	0.521
As (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.0523	0.0035	0.0018	0.0258
Ba (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.00039	0.00092	0.00051	0.00032
B (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.023	0.009	0.008	0.026
Be (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	10.8	10.8	9.99	14.2
Cd (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.000004	< 0.000003	0.000007	0.000003
Co (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.000088	0.000012	0.000012	0.000072
Cr (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	< 0.001	< 0.001	< 0.001	0.002
Fe (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	5.63	3.27	3.03	3.89
Li (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.0014	0.0010	0.0011	0.0024
Mg (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	4.20	2.15	1.92	5.72
Mn (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.00408	0.00135	0.00129	0.00566
Mo (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.0073	0.0020	0.0016	0.0055
Na (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	22.7	10.8	12.1	26.5
Ni (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.0006	< 0.0001	0.0002	0.0003
Pb (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.00297	< 0.00009	0.0203	0.00022
Sb (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.0030	< 0.0009	0.0010	0.0059
Se (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.00059	0.00012	0.00012	0.00063
Si (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	1.13	0.82	0.97	1.13
Sn (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.00008	0.00007	0.00009	0.00011
Sr (diss) [mg/L]	26-Mar-24	13:26	27-Mar-24	15:33	0.0177	0.0252	0.0455	0.0183



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19340-MAR24

Analysis	9:	10:	11:	12:	13:BLK:
	ARDG-001019-T	ARDG-001020-T	ARDG-001021-T	ARDG-001021-T	\$D.I. Leachate
	IR01C-10040MS	IR01C-10040MS	IR01C-10040MS	IR01C-10040MS	Blank
	13-MV	13-MV	13-MV	13-MV	
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

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

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: EWL0421-MAR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	96	80	120	NA		
Alkalinity - QCBatchID: EWL0422-MAR24													
Alkalinity	2	mg/L as Ca	< 2			2	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5070-MAR24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	108	75	125
Conductivity - QCBatchID: EWL0421-MAR24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Conductivity - QCBatchID: EWL0422-MAR24													
Conductivity	2	uS/cm	< 2			0	20	101	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0041-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	106	80	120	106	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0223-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	109	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	119	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	107	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	94	90	110	78	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	96	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	93	90	110	70	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	103	90	110	100	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			11	20	100	90	110	109	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	108	90	110	105	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	99	90	110	92	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			5	20	95	90	110	98	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	94	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007			4	20	105	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	95	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	99	90	110	85	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	107	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			5	20	97	90	110	108	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	106	90	110	100	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			1	20	98	90	110	101	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			3	20	107	90	110	103	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			5	20	99	90	110	94	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	102	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	95	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	107	90	110	105	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	93	90	110	91	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	95	90	110	96	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	106	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			5	20	97	90	110	102	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	102	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			0	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			1	20	97	90	110	108	70	130
pH - QCBatchID: EWL0421-MAR24													
pH	0.05	No unit	NA			0		101			NA		
pH - QCBatchID: EWL0422-MAR24													
pH	0.05	No unit	NA			1		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 11 March 2024

LR Report: CA19366-MAR24

Reference: PO#1380289

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-001038 -TIR01D-1005 OMS12-Kwa-s	6: ARDG-001039 -TIR01D-1005 OMS12-Kwa-s	8: ARDG-001041 -TIR01D-1005 OMS12-Kwa-s
Sample Date & Time					04-Mar-24	04-Mar-24	04-Mar-24
Paste pH [no unit]	15-Mar-24	09:19	22-Mar-24	09:11	9.29	9.41	9.29
Fizz Rate [rating]	15-Mar-24	10:59	22-Mar-24	09:11	3	2	2
Sample weight [g]	15-Mar-24	06:49	22-Mar-24	09:11	2.02	2.03	2.01
HCl_add [mL]	19-Mar-24	07:54	22-Mar-24	09:11	38.50	37.90	26.40
HCl [Normality]	18-Mar-24	06:53	22-Mar-24	09:11	0.10	0.10	0.10
NaOH [Normality]	18-Mar-24	06:53	22-Mar-24	09:11	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Mar-24	07:54	22-Mar-24	09:11	19.23	18.01	11.61
Final pH [no unit]	19-Mar-24	07:54	22-Mar-24	09:11	1.45	1.45	1.60
NP [t CaCO3/1000 t]	19-Mar-24	07:54	22-Mar-24	09:11	47.7	49.0	36.8
AP [t CaCO3/1000 t]	22-Mar-24	09:11	22-Mar-24	09:11	3.44	2.50	1.88
Net NP [t CaCO3/1000 t]	22-Mar-24	09:11	22-Mar-24	09:11	44.3	46.5	34.9
NP/AP [ratio]	22-Mar-24	09:11	22-Mar-24	09:11	13.9	19.6	19.6
S [%]	18-Mar-24	10:04	21-Mar-24	14:15	0.222	0.170	0.148
Acid Leachable SO4-S [%]	21-Mar-24	14:15	21-Mar-24	14:15	0.11	0.09	0.09
Sulphide [%]	18-Mar-24	14:08	21-Mar-24	14:15	0.11	0.08	0.06
C [%]	18-Mar-24	10:04	21-Mar-24	14:15	0.748	0.799	0.602
CO3 (HCl) as %CO3 [%]	19-Mar-24	11:57	22-Mar-24	09:11	3.08	3.29	2.52

Analysis	9: ARDG-001042 -TIR01D-1005 OMS12-Kwa-s	10: ARDG-001043 -TIR01D-1005 OMS12-Kwa-s	11: ARDG-001044 -TIR01D-1005 OMS12-Kwa-s	12: ARDG-001045 -TIR01D-1005 OMS12-Kwa-s	13: ARDG-001046 -TIR01D-1005 OMS12-Kwa-s	14: ARDG-001047 -TIR01D-1005 OMS12-Kwa-s	15: ARDG-001048 -TIR01D-1005 OMS12-Kwa-c
Sample Date & Time	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24
Paste pH [no unit]	9.25	9.15	9.14	9.16	8.96	9.18	9.14
Fizz Rate [rating]	2	2	3	3	3	3	3
Sample weight [g]	2.02	2.01	2.01	2.02	1.98	2.00	2.00
HCl_add [mL]	26.20	33.80	27.90	41.70	27.70	27.40	30.10

Online LIMS

0003749200

Analysis	9:	10:	11:	12:	13:	14:	15:
	ARDG-001042	ARDG-001043	ARDG-001044	ARDG-001045	ARDG-001046	ARDG-001047	ARDG-001048
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005
	OMS12-Kwa-s	OMS12-Kwa-s	OMS12-Kwa-s	OMS12-Kwa-s	OMS12-Kwa-s	OMS12-Kwa-s	OMS12-Kwa-c
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]	10.95	15.74	10.97	19.72	10.76	10.55	12.84
Final pH [no unit]	1.63	1.53	1.74	1.45	1.73	1.60	1.53
NP [t CaCO3/1000 t]	37.7	44.9	42.1	54.4	42.8	42.1	43.2
AP [t CaCO3/1000 t]	2.19	3.44	1.56	3.12	4.38	2.81	5.00
Net NP [t CaCO3/1000 t]	35.5	41.5	40.5	51.3	38.4	39.3	38.2
NP/AP [ratio]	17.2	13.1	26.9	17.4	9.78	15.0	8.64
S [%]	0.174	0.198	0.161	0.267	0.307	0.276	0.266
Acid Leachable SO4-S [%]	0.10	0.09	0.11	0.17	0.17	0.19	0.11
Sulphide [%]	0.07	0.11	0.05	0.10	0.14	0.09	0.16
C [%]	0.565	0.679	0.684	0.866	0.686	0.687	0.668
CO3 (HCl) as %CO3 [%]	2.34	2.95	3.01	3.89	2.95	2.88	2.81

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

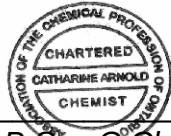
*Net NP (Net Neutralization Potential) = NP-AP

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.

Revised report with QC Report added.

Catharine Arnold

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

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: ECS0045-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	104	80	120			
Carbon/Sulphur - QCBatchID: ECS0046-MAR24													
Carbon (total)	0.005	%	<0.005			5	20				99	70	130
Sulphur (total)	0.005	%	<0.005			8	20				103	70	130
Carbon/Sulphur - QCBatchID: ECS0047-MAR24													
Sulphide	0.04	%	< 0.01			12	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0059-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0060-MAR24													
Carbon (total)	0.005	%	<0.005			0	20				97	70	130
Sulphur (total)	0.005	%	<0.005			0	20				102	70	130
Carbon/Sulphur - QCBatchID: ECS0061-MAR24													
Sulphide	0.04	%	< 0.01			5	20	119	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

19-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 11 March 2024
LR Report: CA19367-MAR24
Reference: PO#1380289

Copy: #2

Phone: (819) 759-3555
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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-001038-T IR01D-10050MS 12-Kwa-s	6: ARDG-001039-T IR01D-10050MS 12-Kwa-s	8: ARDG-001041-T IR01D-10050MS 12-Kwa-s	9: ARDG-001042-T IR01D-10050MS 12-Kwa-s	10: ARDG-001043-T IR01D-10050MS 12-Kwa-s
Sample Date & Time					04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24
Ag [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	65000	66000	56000	57000	53000
As [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	48	45	130	100	140
Ba [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	990	750	920	760	740
Be [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	1.3	1.2	1.2	1.3	1.3
Bi [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	0.23	0.16	0.15	0.12	0.12
Ca [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	11000	11000	8700	8200	7600
Cd [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	0.09	0.13	0.11	0.10	0.14
Co [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	20	18	18	20	21
Cr [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	76	83	87	94	110
Cu [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	43	47	54	44	47
Fe [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	41000	36000	35000	37000	36000
K [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	20000	19000	19000	18000	18000
Li [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	37	32	39	42	43
Mg [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	14000	12000	13000	14000	14000
Mn [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	310	350	270	280	280
Mo [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	2.4	2.1	2.0	2.0	2.2
Ni [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	70	61	64	73	74
P [µg/g]	27-Mar-24	13:44	05-Jun-24	09:33	460	430	430	440	460
Pb [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	19	15	13	13	13
Sb [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	0.1	0.1	< 0.1	0.1	< 0.1
Sn [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	280	270	230	240	230
Ti [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	2900	2700	1300	1100	1000
Tl [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	0.25	0.21	0.25	0.24	0.25
U [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	1.6	1.5	1.5	1.4	1.5
V [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	95	84	81	89	91
Y [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	5.0	4.7	4.1	3.8	3.3
Zn [µg/g]	27-Mar-24	13:44	28-Mar-24	12:08	79	74	79	94	95

SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19367-MAR24

Analysis	11: ARDG-001044-T IR01D-10050MS 12-Kwa-s	12: ARDG-001045-T IR01D-10050MS 12-Kwa-s	13: ARDG-001046-T IR01D-10050MS 12-Kwa-s	14: ARDG-001047-T IR01D-10050MS 12-Kwa-s	15: ARDG-001048-T IR01D-10050MS 12-Kwa-s
Sample Date & Time	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	54000	56000	62000	57000	61000
As [µg/g]	150	89	48	110	86
Ba [µg/g]	1300	1100	1700	1200	770
Be [µg/g]	1.6	1.5	2.0	1.6	1.2
Bi [µg/g]	0.14	0.36	0.32	0.28	0.20
Ca [µg/g]	9500	9300	12000	10000	11000
Cd [µg/g]	0.11	0.17	0.13	0.07	0.12
Co [µg/g]	21	20	20	21	20
Cr [µg/g]	78	67	59	65	64
Cu [µg/g]	48	41	52	52	50
Fe [µg/g]	40000	41000	40000	40000	37000
K [µg/g]	22000	20000	20000	23000	19000
Li [µg/g]	43	44	40	42	41
Mg [µg/g]	16000	15000	14000	14000	15000
Mn [µg/g]	340	320	370	270	300
Mo [µg/g]	2.5	6.1	2.2	2.5	2.2
Ni [µg/g]	79	73	70	72	73
P [µg/g]	510	480	560	570	460
Pb [µg/g]	28	150	130	24	16
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.1	0.2	0.2	0.2	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	240	260	450	300	260
Ti [µg/g]	2200	2300	2700	2000	730
Tl [µg/g]	0.37	0.36	0.39	0.36	0.24
U [µg/g]	1.7	1.7	1.7	1.8	1.6
V [µg/g]	93	90	82	87	82
Y [µg/g]	4.0	4.2	5.1	4.5	4.7
Zn [µg/g]	96	99	89	81	85

Revised report with Phosphorus and QC Report added.

Sample ARDG-001040-TIR01D-10050MS12-Kwa-s was not received

Bulk Metals Suite



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

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: EMS0233-MAR24													
Calcium	3	µg/g	<3			0		93			84		
Phosphorus	3	µg/g	<3			6		95			94		
Potassium	3	µg/g	<3			0		96			98		
Metals - Microwave/ICP-MS - QCBatchID: EMS0233-MAR24													
Aluminum	3	µg/g	<3			1	20	99	70	130	93	70	130
Antimony	0.8	µg/g	<0.8			ND	20	91	70	130	118	70	130
Arsenic	0.5	µg/g	<0.5			5	20	98	70	130	91	70	130
Barium	0.01	µg/g	<0.01			4	20	98	70	130	106	70	130
Beryllium	0.02	µg/g	<0.02			1	20	92	70	130	86	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			14	20	100	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			6	20	97	70	130	77	70	130
Cobalt	0.01	µg/g	<0.01			2	20	95	70	130	93	70	130
Copper	0.1	µg/g	<0.1			10	20	100	70	130	103	70	130
Iron	3	µg/g	<3			0	20	98	70	130	97	70	130
Lead	0.05	µg/g	<0.05			1	20	98	70	130	111	70	130
Lithium	2	µg/g	<2			0	20	94	70	130	103	70	130
Magnesium	3	µg/g	<3			0	20	99	70	130	101	70	130
Manganese	0.1	µg/g	<0.1			3	20	97	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			31	20	91	70	130	98	70	130
Nickel	0.1	µg/g	<0.1			0	20	99	70	130	107	70	130
Selenium	0.1	µg/g	<0.1			2	20	96	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	104	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	95	70	130	97	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	98	70	130	Error!	70	130
Titanium	0.1	µg/g	<0.1			1	20	94	70	130	82	70	130
Uranium	0.002	µg/g	<0.002			19	20	98	70	130	98	70	130
Vanadium	1	µg/g	<1			0	20	95	70	130	94	70	130
Yttrium	0.004	µg/g	<0.004			1	20	94	70	130	Error!	70	130
Zinc	0.7	µg/g	<0.7			1	20	99	70	130	99	70	130



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
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Phone: (819) 759-3555
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

20-June-2024

Date Rec. : 11 March 2024
LR Report: CA19368-MAR24
Reference: PO#1380289

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-001038-T 12-Kwa-s	6: ARDG-001039-T 12-Kwa-s	8: ARDG-001041-T 12-Kwa-s	9: ARDG-001042-T 12-Kwa-s	10: ARDG-001043-T 12-Kwa-s	11: ARDG-001044-T 12-Kwa-s
Sample Date & Time					04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24
Sample weight [g]	20-Mar-24	06:40	21-Mar-24	09:37	251	251	250	251	251	252
Volume D.I. Water [mL]	20-Mar-24	10:49	21-Mar-24	09:37	750	750	750	750	750	750
pH [no unit]	21-Mar-24	09:06	21-Mar-24	09:37	9.00	9.17	9.24	9.22	9.07	9.15
pH [No unit]	21-Mar-24	13:22	22-Mar-24	15:44	8.31	8.12	8.14	8.44	8.13	8.17
Conductivity [uS/cm]	21-Mar-24	13:22	22-Mar-24	15:44	204	213	208	194	240	232
Alkalinity [mg/L as CaCO3]	21-Mar-24	13:22	22-Mar-24	15:44	62	63	62	67	64	68
SO4 [mg/L]	22-Mar-24	08:50	22-Mar-24	20:11	24	17	6	5	13	6
Hg (diss) [mg/L]	22-Mar-24	15:53	25-Mar-24	09:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.735	0.772	0.734	0.746	0.697	0.725
As (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.102	0.0738	0.235	0.217	0.0679	0.0908
Ba (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.00382	0.00244	0.00245	0.00260	0.00388	0.00456
B (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.021	0.018	0.015	0.016	0.019	0.019
Be (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.000009	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	9.46	8.52	7.77	8.05	9.88	8.66

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001038-T IR01D-10050MS 12-Kwa-s	6: ARDG-001039-T IR01D-10050MS 12-Kwa-s	8: ARDG-001041-T IR01D-10050MS 12-Kwa-s	9: ARDG-001042-T IR01D-10050MS 12-Kwa-s	10: ARDG-001043-T IR01D-10050MS 12-Kwa-s	11: ARDG-001044-T IR01D-10050MS 12-Kwa-s
Cd (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.000004	< 0.000003	0.000094	0.000014	< 0.000003	0.000003
Co (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.000106	0.000039	0.000041	0.000048	0.000448	0.000030
Cr (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	22.1	21.2	18.5	19.7	21.7	23.5
Li (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.0014	0.0014	0.0014	0.0015	0.0018	0.0016
Mg (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	3.27	3.06	2.80	2.94	3.61	3.17
Mn (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.00127	0.00238	0.00085	0.00124	0.00257	0.00111
Mo (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.0046	0.0045	0.0059	0.0056	0.0067	0.0086
Na (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	19.6	19.3	21.0	22.2	21.3	21.0
Ni (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.0007	0.0001	0.0003	0.0002	0.0022	0.0002
Pb (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.00010	0.00030	0.07914	0.09409	< 0.00009	0.00016
Sb (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.0082	0.0100	0.0081	0.0080	0.0107	0.0065
Se (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.00037	0.00028	0.00016	0.00012	0.00041	0.00020
Si (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	2.06	2.17	2.10	2.10	1.92	1.99
Sn (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	< 0.00006	0.00009	0.00012	0.00010	0.00024	0.00007
Sr (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.0491	0.0387	0.0355	0.0374	0.0481	0.0415
Ti (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.00022	0.00014	0.00015	0.00010	0.00011	0.00017
Tl (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.000007	0.000006	0.000006	0.000006	0.000019	0.000009
U (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.000257	0.000362	0.000185	0.000236	0.000161	0.000165
V (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.00207	0.00260	0.00278	0.00282	0.00163	0.00199
W (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	0.00224	0.00273	0.00210	0.00225	0.00191	0.00231
Y (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	25-Mar-24	14:44	26-Mar-24	15:18	< 0.002	< 0.002	0.006	< 0.002	< 0.002	< 0.002

Analysis	12: ARDG-001045-T IR01D-10050MS 12-Kwa-s	13: ARDG-001046-T IR01D-10050MS 12-Kwa-s	14: ARDG-001047-T IR01D-10050MS 12-Kwa-s	15: ARDG-001048-T IR01D-10050MS 12-Kwa-s	16: ARDG-001048-T IR01D-10050MS 12-Kwa-s	17:BLK: Leachate Blank
Sample Date & Time	04-Mar-24	04-Mar-24	04-Mar-24	04-Mar-24		

Analysis	12: ARDG-001045-T IR01D-10050MS 12-Kwa-s	13: ARDG-001046-T IR01D-10050MS 12-Kwa-s	14: ARDG-001047-T IR01D-10050MS 12-Kwa-s	15: ARDG-001048-T IR01D-10050MS 12-Kwa-s	16: ARDG-001048-T IR01D-10050MS 12-Kwa-s	17:BLK: D.I. Leachate Blank
Sample weight [g]	251	251	248	251	251	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.02	9.10	8.97	9.02	9.06	5.78
pH [No unit]	8.39	8.12	8.24	8.15	8.19	6.02
Conductivity [uS/cm]	220	274	286	217	222	3
Alkalinity [mg/L as CaCO3]	65	67	74	54	52	< 2
SO4 [mg/L]	11	19	19	36	40	< 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]	0.681	0.601	0.602	0.693	0.654	< 0.001
As (diss) [mg/L]	0.0976	0.0430	0.0580	0.0418	0.0436	< 0.0002
Ba (diss) [mg/L]	0.00432	0.00595	0.0110	0.00304	0.00350	< 0.00008
B (diss) [mg/L]	0.019	0.022	0.017	0.017	0.018	< 0.002
Be (diss) [mg/L]	0.000011	< 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]	9.62	11.2	12.4	11.4	11.9	0.05
Cd (diss) [mg/L]	0.000003	0.000020	0.000004	< 0.000003	0.000015	< 0.000003
Co (diss) [mg/L]	0.000043	0.000039	0.000058	0.000040	0.000050	0.000020
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	0.00011	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	0.010	0.010	< 0.007
K (diss) [mg/L]	23.6	27.1	25.4	21.1	21.2	0.053
Li (diss) [mg/L]	0.0017	0.0019	0.0023	0.0014	0.0014	0.0002
Mg (diss) [mg/L]	3.38	4.55	4.82	3.78	3.97	0.017
Mn (diss) [mg/L]	0.00123	0.00143	0.00353	0.00505	0.00252	0.00068
Mo (diss) [mg/L]	0.0101	0.0087	0.0091	0.0056	0.0061	< 0.0004
Na (diss) [mg/L]	23.8	22.8	24.4	21.7	21.1	0.02
Ni (diss) [mg/L]	0.0003	0.0002	0.0004	0.0003	0.0002	0.0004
Pb (diss) [mg/L]	0.00023	0.0128	0.00074	0.00140	0.00009	0.00015
Sb (diss) [mg/L]	0.0072	0.0062	0.0074	0.0063	0.0059	< 0.0009
Se (diss) [mg/L]	0.00043	0.00029	0.00034	0.00042	0.00041	< 0.00004
Si (diss) [mg/L]	1.96	1.92	1.93	1.96	1.95	< 0.02

Analysis	12: ARDG-001045-T IR01D-10050MS 12-Kwa-s	13: ARDG-001046-T IR01D-10050MS 12-Kwa-s	14: ARDG-001047-T IR01D-10050MS 12-Kwa-s	15: ARDG-001048-T IR01D-10050MS 12-Kwa-s	16: ARDG-001048-T IR01D-10050MS 12-Kwa-s	17:BLK: D.I. Leachate Blank
Sn (diss) [mg/L]	0.00009	0.00007	0.00010	0.00013	0.00009	0.00011
Sr (diss) [mg/L]	0.0515	0.0733	0.0979	0.0548	0.0575	0.00012
Ti (diss) [mg/L]	0.00023	< 0.0001	< 0.0001	0.00010	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000014	0.000009	0.000015	0.000010	0.000012	< 0.000005
U (diss) [mg/L]	0.000201	0.000178	0.000225	0.000193	0.000224	< 0.000002
V (diss) [mg/L]	0.00148	0.00109	0.00104	0.00157	0.00152	< 0.00001
W (diss) [mg/L]	0.00228	0.00271	0.00293	0.00156	0.00174	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report
Sample ARDG-001040-TIR01D-10050MS12-Kwa-s was not received

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



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

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: EWL0391-MAR24													
Alkalinity	2	mg/L as Ca	< 2			8	20	100	80	120	NA		
Alkalinity - QCBatchID: EWL0393-MAR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5059-MAR24													
Sulphate	2	mg/L	<2			1	20	109	80	120	98	75	125
Anions by discrete analyzer - QCBatchID: DIO5060-MAR24													
Sulphate	2	mg/L	<2			ND	20	113	80	120	115	75	125
Conductivity - QCBatchID: EWL0391-MAR24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Conductivity - QCBatchID: EWL0393-MAR24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0038-MAR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			2	20	95	80	120	95	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0208-MAR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	95	90	110	105	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			1	20	108	90	110	98	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	104	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	100	90	110	91	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			NV	20	96	90	110	94	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	72	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	103	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			2	20	99	90	110	110	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	102	90	110	99	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	103	90	110	103	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			4	20	100	90	110	100	70	130
Copper (dissolved)	0.001	mg/L	<0.001			4	20	104	90	110	100	70	130
Iron (dissolved)	0.007	mg/L	<0.007			2	20	105	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			1	20	96	90	110	88	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			9	20	96	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			10	20	100	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			3	20	100	90	110	90	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	103	90	110	94	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			7	20	104	90	110	105	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	104	90	110	87	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	97	90	110	129	70	130

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
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	101	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	75	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	97	90	110	98	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			15	20	98	90	110	98	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			7	20	98	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	98	90	110	104	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	102	90	110	97	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			4	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			1	20	99	90	110	101	70	130
pH - QCBatchID: EWL0391-MAR24													
pH	0.05	No unit	NA			0		101			NA		
pH - QCBatchID: EWL0393-MAR24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

15-April-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. : 19 March 2024

LR Report: CA19424-MAR24

Reference: Meliadine - PO# 1380289

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-001068- TIR01C-10035 MS61-Kwa-s	6: ARDG-001069- TIR01C-10035 MS61-Kwa-s	7: ARDG-001070- TIR01C-10035 MS61-Kwa-s
Sample Date & Time					12-Mar-24	12-Mar-24	12-Mar-24
Paste pH [no unit]	09-Apr-24	07:05	11-Apr-24	12:05	9.06	9.03	9.05
Fizz Rate [rating]	09-Apr-24	09:11	11-Apr-24	12:05	4	4	4
Sample weight [g]	09-Apr-24	07:05	11-Apr-24	12:05	1.99	1.99	2.05
HCl_add [mL]	10-Apr-24	10:10	11-Apr-24	12:05	40.00	40.00	40.00
HCl [Normality]	09-Apr-24	10:03	11-Apr-24	12:05	0.10	0.10	0.10
NaOH [Normality]	09-Apr-24	10:03	11-Apr-24	12:05	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	10-Apr-24	10:10	11-Apr-24	12:05	24.26	26.33	22.27
Final pH [no unit]	10-Apr-24	10:10	11-Apr-24	12:05	1.45	1.46	1.46
NP [t CaCO3/1000 t]	10-Apr-24	10:10	11-Apr-24	12:05	39.6	34.3	43.2
AP [t CaCO3/1000 t]	12-Apr-24	10:41	12-Apr-24	10:41	4.06	3.44	5.31
Net NP [t CaCO3/1000 t]	12-Apr-24	10:41	12-Apr-24	10:41	35.5	30.9	37.9
NP/AP [ratio]	12-Apr-24	10:41	12-Apr-24	10:41	9.75	9.98	8.13
S [%]	10-Apr-24	12:51	12-Apr-24	10:41	0.188	0.219	0.230
Acid Leachable SO4-S [%]	12-Apr-24	10:01	12-Apr-24	10:41	0.06	0.11	0.06
Sulphide [%]	11-Apr-24	10:05	12-Apr-24	10:41	0.13	0.11	0.17
C [%]	10-Apr-24	12:51	12-Apr-24	10:41	0.627	0.531	0.713
CO3 (HCl) as %CO3 [%]	11-Apr-24	09:25	12-Apr-24	10:41	2.70	2.19	2.94

Analysis	8: ARDG-001071- TIR01C-10035 MS61-Kwa-s	9: ARDG-001072- TIR01C-10035 MS61-Kwa-s	10: ARDG-001073- TIR01C-10035 MS61-Kwa-s
Sample Date & Time	12-Mar-24	12-Mar-24	12-Mar-24
Paste pH [no unit]	8.91	9.06	8.95
Fizz Rate [rating]	4	4	4
Sample weight [g]	2.03	2.00	2.05
HCl_add [mL]	40.00	40.00	60.00

Analysis	8:	9:	10:
	ARDG-001071- TIR01C-10035 MS61-Kwa-s	ARDG-001072- TIR01C-10035 MS61-Kwa-s	ARDG-001073- TIR01C-10035 MS61-Kwa-s
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19.93	20.30	24.20
Final pH [no unit]	1.56	1.54	1.62
NP [t CaCO3/1000 t]	49.4	49.2	87.3
AP [t CaCO3/1000 t]	5.00	7.81	6.56
Net NP [t CaCO3/1000 t]	44.4	41.4	80.7
NP/AP [ratio]	9.88	6.30	13.3
S [%]	0.222	0.299	0.321
Acid Leachable SO4-S [%]	0.06	0.05	0.11
Sulphide [%]	0.16	0.25	0.21
C [%]	0.813	0.768	1.27
CO3 (HCl) as %CO3 [%]	3.52	3.52	5.83

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

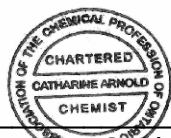
*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*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

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

19-June-2024

Date Rec. : 19 March 2024
LR Report: CA19425-MAR24
Reference: Meliadine - PO#1380289

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-001068-TI ARDG-001069-TI ARDG-001071-TI ARDG-001072-TI ARDG-001073-TI 1-Kwa-s	6: ARDG-001068-TI ARDG-001069-TI ARDG-001071-TI ARDG-001072-TI ARDG-001073-TI 1-Kwa-s	7: ARDG-001068-TI ARDG-001069-TI ARDG-001071-TI ARDG-001072-TI ARDG-001073-TI 1-Kwa-s	8: ARDG-001068-TI ARDG-001069-TI ARDG-001071-TI ARDG-001072-TI ARDG-001073-TI 1-Kwa-s	9: ARDG-001068-TI ARDG-001069-TI ARDG-001071-TI ARDG-001072-TI ARDG-001073-TI 1-Kwa-s	10: ARDG-001068-TI ARDG-001069-TI ARDG-001071-TI ARDG-001072-TI ARDG-001073-TI 1-Kwa-s
Sample Date & Time					12-Mar-24	12-Mar-24	12-Mar-24	12-Mar-24	12-Mar-24	12-Mar-24
Ag [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	65000	68000	65000	65000	67000	68000
As [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	43	96	55	45	120	44
Ba [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	820	860	730	720	800	590
Be [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	1.3	1.3	1.2	1.2	1.2	1.0
Bi [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	0.16	0.14	0.18	0.15	0.29	0.17
Ca [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	11000	11000	12000	13000	13000	28000
Cd [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	0.14	0.10	0.10	0.09	0.13	0.22
Co [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	20	21	20	23	21	28
Cr [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	70	70	66	72	87	110
Cu [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	43	54	44	47	57	61
Fe [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	36000	39000	34000	36000	35000	42000
K [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	19000	20000	18000	18000	17000	13000
Li [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	38	44	33	35	31	41
Mg [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	14000	15000	13000	14000	13000	17000
Mn [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	340	330	320	360	360	610
Mo [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	2.1	1.7	2.4	1.4	2.8	1.1
Ni [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	71	80	65	69	66	64
P [µg/g]	18-Apr-24	13:50	05-Jun-24	09:33	410	460	410	440	440	430
Pb [µg/g]	18-Apr-24	13:50	18-Apr-24	11:49	12	12	21	22	17	14

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-001068R01C-10035MS6R01C-1-Kwa-s	TIARDG-001069R01C-10035MS6R01C-1-Kwa-s	TIARDG-001070R01C-10035MS6R01C-1-Kwa-s	TIARDG-001071R01C-10035MS6R01C-1-Kwa-s	TIARDG-001072R01C-10035MS6R01C-1-Kwa-s	TIARDG-001073R01C-10035MS6R01C-1-Kwa-s
Sb [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	0.3	0.3	0.2	0.3	0.3	0.3
Sn [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	290	270	290	280	350	370
Ti [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	870	730	1100	990	1300	720
Tl [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	0.51	0.56	0.49	0.49	0.50	0.40
U [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	1.6	1.9	1.6	1.5	1.8	1.0
V [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	86	95	80	86	81	110
Y [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	5.1	5.0	5.5	5.4	5.4	4.7
Zn [µg/g]	12-Apr-24	11:47	15-Apr-24	13:15	90	100	77	82	82	93

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite

Kelly

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

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: EMS0102-APR24													
Calcium	3	µg/g	<3			1		104			83		
Potassium	3	µg/g	<3			4		104			94		
QCR_SubCategory - QCBatchID: EMS0168-APR24													
Phosphorus	3	µg/g	<3			7		98			87		
Metals - Microwave/ICP-MS - QCBatchID: EMS0102-APR24													
Aluminum	3	µg/g	<3			4	20	109	70	130	91	70	130
Antimony	0.8	µg/g	<0.8			ND	20	107	70	130	116	70	130
Arsenic	0.5	µg/g	<0.5			2	20	101	70	130	99	70	130
Barium	0.01	µg/g	<0.01			7	20	98	70	130	111	70	130
Beryllium	0.02	µg/g	<0.02			1	20	96	70	130	89	70	130
Bismuth	0.09	µg/g	<0.09			11	20	90	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			5	20	100	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			7	20	102	70	130	78	70	130
Cobalt	0.01	µg/g	<0.01			1	20	101	70	130	99	70	130
Copper	0.1	µg/g	<0.1			7	20	100	70	130	107	70	130
Iron	3	µg/g	<3			3	20	103	70	130	97	70	130
Lithium	2	µg/g	<2			1	20	97	70	130	106	70	130
Magnesium	3	µg/g	<3			3	20	105	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			3	20	100	70	130	102	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	97	70	130	103	70	130
Nickel	0.1	µg/g	<0.1			6	20	100	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			0	20	98	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	99	70	130	99	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			13	20	93	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			2	20	96	70	130	99	70	130
Vanadium	1	µg/g	<1			6	20	98	70	130	100	70	130
Yttrium	0.004	µg/g	<0.004			3	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			10	20	104	70	130	104	70	130
Metals - Microwave/ICP-MS - QCBatchID: EMS0168-APR24													
Lead	0.05	µg/g	<0.05			9	20	95	70	130	110	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-2024

Agnico Eagle Mines Limited

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Phone: (819) 759-3555

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Date Rec. : 19 March 2024

LR Report: CA19426-MAR24

Reference: Meliadine - PO#1380289

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-001068 -TIR01C-1003 5MS61-Kwa-s	6: ARDG-001069 -TIR01C-1003 5MS61-Kwa-s	7: ARDG-001070 -TIR01C-1003 5MS61-Kwa-s
Sample Date & Time					12-Mar-24	12-Mar-24	12-Mar-24
Sample weight [g]	10-Apr-24	07:03	11-Apr-24	12:08	252	249	251
Volume D.I. Water [mL]	10-Apr-24	07:54	11-Apr-24	12:08	750	750	750
pH [no unit]	11-Apr-24	08:18	11-Apr-24	12:08	9.21	9.19	9.16
pH [No unit]	11-Apr-24	11:06	12-Apr-24	11:52	8.67	8.00	7.78
Conductivity [uS/cm]	11-Apr-24	11:06	12-Apr-24	11:52	214	198	166
Alkalinity [mg/L as CaCO3]	11-Apr-24	11:06	12-Apr-24	11:52	44	47	32
SO4 [mg/L]	15-Apr-24	15:39	15-Apr-24	19:33	39	28	30
Hg (diss) [mg/L]	12-Apr-24	15:34	15-Apr-24	13:14	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.608	0.558	0.431
As (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.139	0.118	0.0600
Ba (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.00758	0.00230	0.00161
B (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.007	0.008	0.006
Be (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	10.7	9.81	8.46
Cd (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.000003	< 0.000003	0.000005
Co (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.000051	0.000058	0.000029
Cr (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.007	< 0.007	0.010
K (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	15.7	15.2	11.2
Li (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.0010	0.0012	0.0010
Mg (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	3.43	3.42	2.88
Mn (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.00112	0.00109	0.00186
Mo (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.0044	0.0041	0.0034
Na (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	16.2	14.1	11.5
Ni (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.0002	0.0003	< 0.0001

Online LIMS

0003749573

**SGS Canada Inc.**

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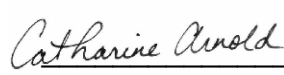
Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19426-MAR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001068 -TIR01C-1003 5MS61-Kwa-s	6: ARDG-001069 -TIR01C-1003 5MS61-Kwa-s	7: ARDG-001070 -TIR01C-1003 5MS61-Kwa-s
Pb (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.0041	0.0058	0.0032
Se (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.00067	0.00039	0.00038
Si (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	1.62	1.55	1.13
Sn (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.0593	0.0443	0.0339
Ti (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.0001	< 0.0001	0.0002
Tl (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.000008	0.000005	0.000006
U (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.000226	0.000249	0.000341
V (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.00214	0.00176	0.00108
W (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	0.00230	0.00261	0.00196
Y (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:10	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001071 -TIR01C-1003 5MS61-Kwa-s	9: ARDG-001072 -TIR01C-1003 5MS61-Kwa-s	10: ARDG-001073 -TIR01C-1003 5MS61-Kwa-s	11: ARDG-001073 -TIR01C-1003 5MS61-Kwa-s
Sample Date & Time	12-Mar-24	12-Mar-24	12-Mar-24	
Sample weight [g]	251	252	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.14	9.09	9.02	9.00
pH [No unit]	8.45	8.43	8.42	8.26
Conductivity [uS/cm]	242	253	292	293
Alkalinity [mg/L as CaCO3]	46	51	44	43
SO4 [mg/L]	44	46	64	66
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]	0.513	0.554	0.434	0.430
As (diss) [mg/L]	0.0877	0.0404	0.0058	0.0059
Ba (diss) [mg/L]	0.00259	0.00348	0.00378	0.00375
B (diss) [mg/L]	0.009	0.011	0.008	0.008
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]	12.0	13.3	16.0	16.3
Cd (diss) [mg/L]	0.000003	0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000048	0.000154	0.000023	0.000023
Cr (diss) [mg/L]	< 0.00008	0.00009	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	0.002	< 0.001
Fe (diss) [mg/L]	< 0.007	0.030	< 0.007	< 0.007
K (diss) [mg/L]	16.8	17.0	15.3	15.3
Li (diss) [mg/L]	0.0011	0.0016	0.0013	0.0014
Mg (diss) [mg/L]	4.30	4.95	6.36	6.44

Analysis	8:	9:	10:	11:
	ARDG-001071	ARDG-001072	ARDG-001073	ARDG-001073
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003
	5MS61-Kwa-s	5MS61-Kwa-s	5MS61-Kwa-s	5MS61-Kwa-s
Mn (diss) [mg/L]	0.00146	0.00210	0.00231	0.00253
Mo (diss) [mg/L]	0.0049	0.0067	0.0057	0.0059
Na (diss) [mg/L]	17.6	16.7	21.4	21.7
Ni (diss) [mg/L]	0.0003	0.0003	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0048	0.0044	0.0037	0.0037
Se (diss) [mg/L]	0.00055	0.00075	0.00061	0.00069
Si (diss) [mg/L]	1.62	1.59	1.54	1.57
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0520	0.0613	0.0790	0.0800
Ti (diss) [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000006	< 0.000005	< 0.000005	0.000007
U (diss) [mg/L]	0.000464	0.000740	0.000243	0.000202
V (diss) [mg/L]	0.00155	0.00118	0.00102	0.00100
W (diss) [mg/L]	0.00275	0.00309	0.00386	0.00411
Y (diss) [mg/L]	< 0.00002	0.00005	< 0.00002	< 0.00002
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

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: EWL0268-APR24													
Alkalinity	2	mg/L as Ca	< 2			3	20	96	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8029-APR24													
Sulphate	2	mg/L	<2			ND	20	102	80	120	105	75	125
Conductivity - QCBatchID: EWL0268-APR24													
Conductivity	2	uS/cm	2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0029-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	103	80	120	88	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0124-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	99	90	110	71	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	97	90	110	100	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	90	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	102	90	110	94	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			9	20	97	90	110	82	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	100	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	96	90	110	90	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			15	20	100	90	110	102	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			4	20	102	90	110	94	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	103	90	110	91	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	100	90	110	76	70	130
Copper (dissolved)	0.001	mg/L	<0.001			0	20	104	90	110	103	70	130
Iron (dissolved)	0.007	mg/L	<0.007			1	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			1	20	99	90	110	96	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			7	20	97	90	110	113	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			4	20	101	90	110	91	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	103	90	110	106	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	99	90	110	90	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			2	20	103	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	101	90	110	92	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			1	20	93	90	110	95	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	90	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	101	90	110	93	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			4	20	103	90	110	97	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			5	20	98	90	110	90	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	98	90	110	91	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	101	90	110	90	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			1	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			2	20	103	90	110	75	70	130
pH - QCBatchID: EWL0268-APR24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 19 March 2024

LR Report: CA19427-MAR24

Reference: Meliadine - PO#1380289

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-001074 -TIR01D-1005 0MS15-MV	6: ARDG-001075 -TIR01D-1005 0MS15-MV	7: ARDG-001076 -TIR01D-1005 0MS15-MV
Sample Date & Time					13-Mar-24	13-Mar-24	13-Mar-24
Paste pH [no unit]	15-Apr-24	12:09	16-Apr-24	16:21	9.02	9.17	9.29
Fizz Rate [rating]	12-Apr-24	12:18	16-Apr-24	16:21	4	4	4
Sample weight [g]	12-Apr-24	12:18	16-Apr-24	16:21	2.00	2.04	2.01
HCl_add [mL]	15-Apr-24	09:44	16-Apr-24	16:21	237.90	249.50	205.70
HCl [Normality]	14-Apr-24	11:03	16-Apr-24	16:21	0.10	0.10	0.10
NaOH [Normality]	14-Apr-24	11:03	16-Apr-24	16:21	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Apr-24	11:32	16-Apr-24	16:21	54.74	56.87	70.37
Final pH [no unit]	15-Apr-24	11:32	16-Apr-24	16:21	1.64	1.60	1.59
NP [t CaCO3/1000 t]	15-Apr-24	11:32	16-Apr-24	16:21	458	472	337
AP [t CaCO3/1000 t]	15-Apr-24	11:32	16-Apr-24	16:21	11.2	8.44	5.62
Net NP [t CaCO3/1000 t]	15-Apr-24	11:32	16-Apr-24	16:21	447	464	331
NP/AP [ratio]	15-Apr-24	11:32	16-Apr-24	16:21	40.7	56.0	59.8
S [%]	12-Apr-24	07:30	12-Apr-24	10:41	0.446	0.384	0.225
Acid Leachable SO4-S [%]	12-Apr-24	10:02	12-Apr-24	10:41	0.09	0.11	0.04
Sulphide [%]	12-Apr-24	09:57	12-Apr-24	10:41	0.36	0.27	0.18
C [%]	12-Apr-24	07:30	12-Apr-24	10:41	3.41	3.46	3.08
CO3 (HCl) as %CO3 [%]	12-Apr-24	08:39	12-Apr-24	10:41	16.5	16.8	14.9

Analysis	8: ARDG-001077 -TIR01D-1005 0MS15-MV	9: ARDG-001078 -TIR01D-1005 0MS15-MV	10: ARDG-001079 -TIR01D-1005 0MS15-MV	11: ARDG-001080 -TIR01D-1005 0MS15-MV	12: ARDG-001081 -TIR01D-1005 0MS15-MV	13: ARDG-001082 -TIR01D-1005 0MS15-MV
Sample Date & Time	13-Mar-24	13-Mar-24	13-Mar-24	13-Mar-24	13-Mar-24	13-Mar-24
Paste pH [no unit]	9.24	9.14	9.07	9.36	9.35	9.43
Fizz Rate [rating]	4	4	4	4	4	4
Sample weight [g]	2.03	2.00	2.04	2.05	2.04	2.02
HCl_add [mL]	248.20	228.40	228.00	309.20	274.50	245.10

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-001077	ARDG-001078	ARDG-001079	ARDG-001080	ARDG-001081	ARDG-001082
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005
	OMS15-MV	OMS15-MV	OMS15-MV	OMS15-MV	OMS15-MV	OMS15-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]	53.84	28.11	28.70	58.94	52.77	43.04
Final pH [no unit]	1.64	1.85	1.81	1.53	1.54	1.60
NP [t CaCO3/1000 t]	479	501	488	610	543	500
AP [t CaCO3/1000 t]	7.50	5.31	4.69	5.00	5.31	1.25
Net NP [t CaCO3/1000 t]	471	495	484	605	538	499
NP/AP [ratio]	63.8	94.2	104	122	102	400
S [%]	0.356	0.250	0.188	0.177	0.174	0.056
Acid Leachable SO4-S [%]	0.12	0.08	< 0.04	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.24	0.17	0.15	0.16	0.17	0.04
C [%]	3.77	3.44	3.25	3.48	2.95	2.98
CO3 (HCl) as %CO3 [%]	18.4	16.6	15.9	17.0	14.4	14.5

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

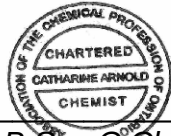
*Net NP (Net Neutralization Potential) = NP-AP

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.

Revised report with QC Report added.

Catharine Arnold

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

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: ECS0038-APR24													
Carbon (total)	0.005	%	<0.005			0	20				101	70	13
Sulphur (total)	0.005	%	<0.005			3	20				97	70	13
Carbon/Sulphur - QCBatchID: ECS0042-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0043-APR24													
Sulphide	0.04	%	< 0.01			11	20	110	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

11-June-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. : 19 March 2024

LR Report: CA19428-MAR24

Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001074-T Completed IR01D-10050MS Time	5: Analysis ARDG-001075-T Completed IR01D-10050MS 15-MV	6: Analysis ARDG-001076-T Completed IR01D-10050MS 15-MV	7: Analysis ARDG-001077-T Completed IR01D-10050MS 15-MV	8: Analysis ARDG-001077-T Completed IR01D-10050MS 15-MV
Sample Date & Time					13-Mar-24	13-Mar-24	13-Mar-24	13-Mar-24
Ag [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	78000	77000	79000	83000
As [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	21	17	8.0	21
Ba [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	100	110	77	160
Be [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	0.47	0.46	0.43	0.67
Bi [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	79000	80000	77000	80000
Cd [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	0.22	0.20	0.19	0.18
Co [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	52	48	48	44
Cr [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	100	95	95	100
Cu [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	110	100	100	97
Fe [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	70000	68000	74000	58000
K [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	5300	5600	4300	9200
Li [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	57	55	67	52
Mg [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	21000	20000	23000	20000
Mn [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	2300	2200	2000	2000
Mo [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	1.0	0.8	0.8	0.7
Ni [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	110	110	120	120
P [µg/g]	11-Apr-24	13:52	05-Jun-24	09:34	260	250	250	280
Pb [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	5	5	5	7
Sb [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	0.6	0.5	0.4	0.4
Sn [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	< 6	< 6	< 6	< 6
Sr [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	140	140	140	180
Ti [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	3200	3000	2200	2900
Tl [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	0.23	0.25	0.18	0.36
U [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	0.12	0.10	0.11	0.17
V [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	240	240	240	230
Y [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	6.3	6.5	7.2	6.0
Zn [µg/g]	11-Apr-24	13:52	15-Apr-24	13:58	110	120	140	91

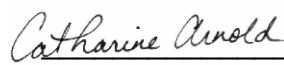
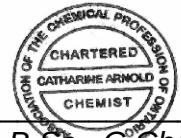
Online LIMS

0003742085

Analysis	9:	10:	11:	12:	13:
	ARDG-001078-T	ARDG-001079-T	ARDG-001080-T	ARDG-001081-T	ARDG-001082-T
	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS
	15-MV	15-MV	15-MV	15-MV	15-MV
Sample Date & Time	13-Mar-24	13-Mar-24	13-Mar-24	13-Mar-24	13-Mar-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	75000	74000	74000	74000	78000
As [µg/g]	11	7.0	7.3	5.2	3.6
Ba [µg/g]	110	200	74	95	80
Be [µg/g]	0.63	0.46	0.44	0.53	0.36
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	88000	88000	100000	91000	90000
Cd [µg/g]	0.18	0.18	0.13	0.10	0.14
Co [µg/g]	47	44	45	45	42
Cr [µg/g]	90	99	96	93	83
Cu [µg/g]	91	110	92	95	110
Fe [µg/g]	63000	65000	66000	67000	63000
K [µg/g]	6200	9800	3600	3900	2500
Li [µg/g]	52	52	67	71	74
Mg [µg/g]	21000	20000	21000	21000	22000
Mn [µg/g]	2400	2200	2100	2000	1900
Mo [µg/g]	0.7	0.4	1.1	0.4	0.7
Ni [µg/g]	110	110	110	110	120
P [µg/g]	240	240	210	230	240
Pb [µg/g]	6	6	4	3	4
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.4	0.4	0.3	0.4	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	130	110	200	160	130
Ti [µg/g]	1700	1300	640	530	430
Tl [µg/g]	0.29	0.43	0.16	0.20	0.11
U [µg/g]	0.18	0.12	0.083	0.10	0.11
V [µg/g]	220	210	210	220	200
Y [µg/g]	8.4	9.2	10	12	12
Zn [µg/g]	110	150	93	97	94

Bulk Metals Suite

Revised report with P and QC Report added.



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

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: EMS0112-APR24													
Calcium	3	µg/g	<3			1		99			85		
Phosphorus	3	µg/g	<3			2		99			85		
Potassium	3	µg/g	<3			2		104			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0112-APR24													
Aluminum	3	µg/g	<3			0	20	109	70	130	102	70	130
Antimony	0.8	µg/g	<0.8			2	20	107	70	130	115	70	130
Arsenic	0.5	µg/g	<0.5			5	20	101	70	130	94	70	130
Barium	0.01	µg/g	<0.01			14	20	98	70	130	110	70	130
Beryllium	0.02	µg/g	<0.02			1	20	101	70	130	100	70	130
Bismuth	0.09	µg/g	<0.09			7	20	94	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	100	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			12	20	102	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			0	20	101	70	130	94	70	130
Copper	0.1	µg/g	<0.1			6	20	100	70	130	100	70	130
Iron	3	µg/g	<3			3	20	103	70	130	89	70	130
Lead	0.05	µg/g	<0.05			0	20	99	70	130	112	70	130
Lithium	2	µg/g	<2			1	20	97	70	130	111	70	130
Magnesium	3	µg/g	<3			4	20	105	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			1	20	100	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	97	70	130	95	70	130
Nickel	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			11	20	98	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			2	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			7	20	99	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			1	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	93	70	130	87	70	130
Uranium	0.002	µg/g	<0.002			5	20	96	70	130	107	70	130
Vanadium	1	µg/g	<1			0	20	98	70	130	97	70	130
Yttrium	0.004	µg/g	<0.004			8	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	104	70	130	99	70	130

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 19 March 2024

LR Report: CA19429-MAR24

Reference: Meliadine - PO#1380289

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-001074 ARDG-001075 ARDG-001076 -TIR01D-1005 0MS15-MV	6: ARDG-001075 ARDG-001076 ARDG-001076 -TIR01D-1005 0MS15-MV	7: ARDG-001076 ARDG-001076 ARDG-001076 -TIR01D-1005 0MS15-MV
Sample Date & Time					13-Mar-24	13-Mar-24	13-Mar-24
Sample weight [g]	10-Apr-24	13:20	12-Apr-24	09:06	251	251	249
Volume D.I. Water [mL]	11-Apr-24	06:44	12-Apr-24	09:06	750	750	750
pH [no unit]	12-Apr-24	06:38	12-Apr-24	09:06	8.84	8.92	8.94
pH [No unit]	12-Apr-24	13:32	15-Apr-24	14:04	8.05	8.10	8.10
Conductivity [uS/cm]	12-Apr-24	13:32	15-Apr-24	14:04	286	257	218
Alkalinity [mg/L as CaCO3]	12-Apr-24	13:32	15-Apr-24	14:04	69	66	63
SO4 [mg/L]	12-Apr-24	16:42	12-Apr-24	19:47	29	25	18
Hg (diss) [mg/L]	15-Apr-24	18:13	16-Apr-24	11:22	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.487	0.543	0.640
As (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.0021	0.0021	0.0010
Ba (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.00043	0.00035	0.00030
B (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.018	0.018	0.017
Be (diss) [mg/L]	16-Apr-24	11:30	22-Apr-24	13:40	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	13.2	11.9	10.3
Cd (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.000017	0.000013	0.000018
Cr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	4.16	4.54	3.30
Li (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.0021	0.0020	0.0015
Mg (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	6.33	5.38	3.60
Mn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.00449	0.00355	0.00229
Mo (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.0041	0.0042	0.0018
Na (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	33.1	31.0	27.9
Ni (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.0001	< 0.0001	< 0.0001

Online LIMS

0003749577

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19429-MAR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001074 ARDG-001075 -TIR01D-1005 0MS15-MV	6: ARDG-001075 ARDG-001076 -TIR01D-1005 0MS15-MV	7: ARDG-001076 ARDG-001077 -TIR01D-1005 0MS15-MV
Pb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.0009	< 0.0009	< 0.0009
Se (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.00057	0.00055	0.00036
Si (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	1.22	1.18	1.06
Sn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.00006	0.00015	< 0.00006
Sr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.0160	0.0141	0.0130
Ti (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.000005	< 0.000005	0.000005
U (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.000014	0.000020	0.000014
V (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.00080	0.00092	0.00081
W (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	0.00181	0.00192	0.00079
Y (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:26	< 0.002	< 0.002	< 0.002

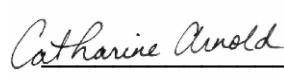
Analysis	8: ARDG-001077 -TIR01D-1005 0MS15-MV	9: ARDG-001078 -TIR01D-1005 0MS15-MV	10: ARDG-001079 -TIR01D-1005 0MS15-MV	11: ARDG-001080 -TIR01D-1005 0MS15-MV	12: ARDG-001081 -TIR01D-1005 0MS15-MV	13: ARDG-001082 -TIR01D-1005 0MS15-MV	14: ARDG-001074 ARDG-001077 -TIR01D-1005 0MS15-MV
Sample Date & Time	13-Mar-24	13-Mar-24	13-Mar-24	13-Mar-24	13-Mar-24	13-Mar-24	
Sample weight [g]	250	250	250	251	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	8.98	8.93	8.98	9.13	9.21	9.32	8.85
pH [No unit]	8.32	8.07	8.04	8.08	8.09	8.14	8.13
Conductivity [uS/cm]	368	235	229	183	170	204	272
Alkalinity [mg/L as CaCO3]	84	59	53	55	48	51	68
SO4 [mg/L]	23	19	9	9	6	7	27
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]	0.679	0.553	0.640	0.944	0.977	1.01	0.509
As (diss) [mg/L]	0.0039	0.0012	0.0010	0.0012	0.0015	0.0014	0.0020
Ba (diss) [mg/L]	0.00090	0.00053	0.00104	0.00032	0.00039	0.00052	0.00035
B (diss) [mg/L]	0.032	0.018	0.018	0.024	0.022	0.029	0.019
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]	10.4	11.4	10.6	6.74	6.99	5.59	13.0
Cd (diss) [mg/L]	0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000157	0.000007	0.000006	0.000005	0.000006	0.000005	0.000017
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	8.39	6.02	7.90	4.30	4.11	4.31	4.13
Li (diss) [mg/L]	0.0028	0.0014	0.0013	0.0010	0.0009	0.0008	0.0025
Mg (diss) [mg/L]	5.72	4.09	2.94	1.36	1.15	0.890	6.24

Online LIMS

0003749577

Analysis	8:	9:	10:	11:	12:	13:	14:
	ARDG-001077	ARDG-001078	ARDG-001079	ARDG-001080	ARDG-001081	ARDG-001082	ARDG-001074
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005
	OMS15-MV	OMS15-MV	OMS15-MV	OMS15-MV	OMS15-MV	OMS15-MV	OMS15-MV
Mn (diss) [mg/L]	0.00328	0.00313	0.00250	0.00115	0.00106	0.00076	0.00453
Mo (diss) [mg/L]	0.0052	0.0030	0.0021	0.0018	0.0017	0.0028	0.0040
Na (diss) [mg/L]	44.6	26.5	26.0	27.8	23.9	34.3	32.6
Ni (diss) [mg/L]	0.0003	< 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	< 0.00009
Sb (diss) [mg/L]	< 0.0009	0.0009	< 0.0009	0.0018	0.0014	< 0.0009	< 0.0009
Se (diss) [mg/L]	0.00026	0.00036	0.00026	0.00034	0.00020	0.00015	0.00059
Si (diss) [mg/L]	1.19	1.15	1.00	1.03	0.99	1.13	1.18
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0181	0.0163	0.0186	0.0168	0.0159	0.0112	0.0156
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000021	0.000017	0.000007	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000055	0.000023	0.000015	0.000006	0.000018	0.000016	0.000016
V (diss) [mg/L]	0.00121	0.00089	0.00069	0.00151	0.00201	0.00261	0.00078
W (diss) [mg/L]	0.00187	0.00138	0.00089	0.00075	0.00069	0.00059	0.00175
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
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

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: EWL0308-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8023-APR24													
Sulphate	2	mg/L	<2			ND	20	103	80	120	106	75	125
Conductivity - QCBatchID: EWL0308-APR24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0034-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	108	80	120	121	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0148-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	102	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	121	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	106	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	94	90	110	95	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	95	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	83	70	130
Boron (dissolved)	0.002	mg/L	<0.002			6	20	97	90	110	102	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	102	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	99	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			1	20	99	90	110	109	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			6	20	96	90	110	100	70	130
Copper (dissolved)	0.001	mg/L	<0.001			1	20	97	90	110	94	70	130
Iron (dissolved)	0.007	mg/L	<0.007			2	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			1	20	95	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	90	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	100	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	96	90	110	88	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	102	90	110	103	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			15	20	95	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			3	20	97	90	110	92	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			12	20	95	90	110	116	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	80	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	98	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	95	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			3	20	98	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	93	90	110	98	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			8	20	98	90	110	102	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			4	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			4	20	97	90	110	107	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0173-APR24													
Beryllium (dissolved)	0.000007	mg/L	<0.000007			0	20	103	90	110	92	70	130
pH - QCBatchID: EWL0308-APR24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 19 March 2024

LR Report: CA19430-MAR24

Reference: Meliadine - PO#1380289

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-001049 -TIR01D-1005 OMS13-Kwa-s	6: ARDG-001050 -TIR01D-1005 OMS13-Kwa-s	7: ARDG-001051 -TIR01D-1005 OMS13-Kwa-s
Sample Date & Time					10-Mar-24	10-Mar-24	10-Mar-24
Paste pH [no unit]	15-Apr-24	12:09	16-Apr-24	16:21	9.13	8.09	8.99
Fizz Rate [rating]	12-Apr-24	12:18	16-Apr-24	16:21	4	4	4
Sample weight [g]	12-Apr-24	12:18	16-Apr-24	16:21	2.00	2.00	2.03
HCl_add [mL]	15-Apr-24	09:44	16-Apr-24	16:21	40.00	40.00	40.00
HCl [Normality]	14-Apr-24	11:03	16-Apr-24	16:21	0.10	0.10	0.10
NaOH [Normality]	14-Apr-24	11:03	16-Apr-24	16:21	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Apr-24	11:32	16-Apr-24	16:21	26.61	20.46	20.24
Final pH [no unit]	15-Apr-24	11:32	16-Apr-24	16:21	1.48	1.55	1.53
NP [t CaCO3/1000 t]	15-Apr-24	11:32	16-Apr-24	16:21	33.5	48.8	48.7
AP [t CaCO3/1000 t]	15-Apr-24	11:32	16-Apr-24	16:21	3.75	2.81	3.75
Net NP [t CaCO3/1000 t]	15-Apr-24	11:32	16-Apr-24	16:21	29.8	46.0	45.0
NP/AP [ratio]	15-Apr-24	11:32	16-Apr-24	16:21	8.93	17.4	13.0
S [%]	10-Apr-24	12:51	11-Apr-24	10:39	0.204	0.189	0.200
Acid Leachable SO4-S [%]	11-Apr-24	10:07	11-Apr-24	10:39	0.08	0.10	0.08
Sulphide [%]	11-Apr-24	10:05	11-Apr-24	10:39	0.12	0.09	0.12
C [%]	10-Apr-24	12:51	11-Apr-24	10:36	0.551	0.811	0.785
CO3 (HCl) as %CO3 [%]	11-Apr-24	09:25	11-Apr-24	10:36	2.25	3.56	3.39

Analysis	8: ARDG-001052 -TIR01D-1005 OMS13-Kwa-s	9: ARDG-001053 -TIR01D-1005 OMS13-Kwa-s	10: ARDG-001054 -TIR01D-1005 OMS13-Kwa-s	11: ARDG-001055 -TIR01D-1005 OMS13-Kwa-s
Sample Date & Time	10-Mar-24	10-Mar-24	10-Mar-24	10-Mar-24
Paste pH [no unit]	8.83	8.85	9.34	9.06
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.03	2.04	2.03	2.03
HCl_add [mL]	40.00	40.00	40.00	40.00

Analysis	8:	9:	10:	11:
	ARDG-001052	ARDG-001053	ARDG-001054	ARDG-001055
	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005	-TIR01D-1005
	OMS13-Kwa-s	OMS13-Kwa-s	OMS13-Kwa-s	OMS13-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]	17.48	22.49	25.34	25.66
Final pH [no unit]	1.68	1.49	1.53	1.51
NP [t CaCO3/1000 t]	55.5	42.9	36.1	35.3
AP [t CaCO3/1000 t]	8.12	4.38	3.75	3.44
Net NP [t CaCO3/1000 t]	47.4	38.5	32.4	31.9
NP/AP [ratio]	6.83	9.81	9.63	10.3
S [%]	0.336	0.193	0.217	0.173
Acid Leachable SO4-S [%]	0.08	0.05	0.10	0.06
Sulphide [%]	0.26	0.14	0.12	0.11
C [%]	0.897	0.654	0.507	0.528
CO3 (HCl) as %CO3 [%]	3.85	2.79	2.09	2.30

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

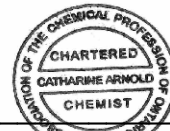
NP/AP Ratio = NP/AP

*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.

Revised report with QC Report added.

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



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: ECS0034-APR24													
Carbon (total)	0.005	%	<0.005			0	20				98	70	13
Sulphur (total)	0.005	%	<0.005			6	20				99	70	13
Carbon/Sulphur - QCBatchID: ECS0037-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0039-APR24													
Sulphide	0.04	%	< 0.01			12	20	91	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

11-June-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. : 19 March 2024

LR Report: CA19431-MAR24

Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS**Final Report - Revised**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001049-T Completed IR01D-10050MS Time	5: TARDG-001050-T IR01D-10050MS 13-Kwa-s	6: TARDG-001051-T IR01D-10050MS 13-Kwa-s	7: TARDG-001051-T IR01D-10050MS 13-Kwa-s
Sample Date & Time					10-Mar-24	10-Mar-24	10-Mar-24
Ag [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	< 0.5	< 0.5	< 0.5
Al [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	90000	77000	75000
As [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	260	310	270
Ba [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	990	730	660
Be [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	1.4	1.4	1.4
Bi [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	0.16	0.21	0.21
Ca [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	9300	13000	13000
Cd [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	0.08	0.12	0.15
Co [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	23	19	22
Cr [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	67	58	57
Cu [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	52	39	43
Fe [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	46000	35000	36000
K [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	23000	17000	16000
Li [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	45	32	33
Mg [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	16000	13000	12000
Mn [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	410	350	350
Mo [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	2.2	2.6	2.1
Ni [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	84	66	64
P [µg/g]	11-Apr-24	13:52	05-Jun-24	09:34	440	450	390
Pb [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	13	18	20
Sb [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	< 0.8	< 0.8	< 0.8
Se [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	0.3	0.3	0.3
Sn [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	< 6	< 6	< 6
Sr [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	290	330	330
Ti [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	1600	1700	1700
Tl [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	0.62	0.48	0.46
U [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	1.93	1.27	1.29
V [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	110	80	79
Y [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	7.0	5.9	5.2
Zn [µg/g]	11-Apr-24	13:52	15-Apr-24	14:17	99	82	86

SGS Canada Inc.

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Works #: Waste Rock OP TIR01

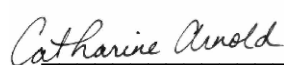
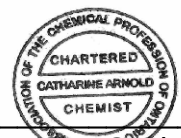
Project : PO#1380289

LR Report : CA19431-MAR24

Analysis	8:	9:	10:	11:
	ARDG-001052-T	ARDG-001053-T	ARDG-001054-T	ARDG-001055-T
	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS
	13-Kwa-s	13-Kwa-s	13-Kwa-s	13-Kwa-s
Sample Date & Time	10-Mar-24	10-Mar-24	10-Mar-24	10-Mar-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	84000	87000	86000	77000
As [µg/g]	550	140	53	69
Ba [µg/g]	820	1000	760	700
Be [µg/g]	1.5	1.5	1.4	1.4
Bi [µg/g]	0.28	0.17	0.17	0.25
Ca [µg/g]	15000	11000	11000	11000
Cd [µg/g]	0.12	0.10	0.08	0.10
Co [µg/g]	22	22	23	21
Cr [µg/g]	63	60	68	77
Cu [µg/g]	44	47	45	60
Fe [µg/g]	50000	40000	50000	45000
K [µg/g]	20000	20000	18000	18000
Li [µg/g]	42	42	45	42
Mg [µg/g]	15000	15000	15000	14000
Mn [µg/g]	470	350	410	340
Mo [µg/g]	2.6	3.8	2.0	1.9
Ni [µg/g]	75	75	77	75
P [µg/g]	490	440	520	490
Pb [µg/g]	12	26	18	16
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]	270	370	280	270
Ti [µg/g]	2300	1300	3000	2800
Tl [µg/g]	0.58	0.56	0.47	0.48
U [µg/g]	1.82	1.72	1.77	1.62
V [µg/g]	92	93	100	97
Y [µg/g]	7.8	6.8	6.7	6.0
Zn [µg/g]	83	96	93	83

Bulk Metals Suite

Revised report with P and QC Report added.



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

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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. : 19 March 2024

LR Report: CA19432-MAR24

Reference: Meliadine - PO#1380289

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-001049-T IR01D-10050MS 13-Kwa-s	6: ARDG-001050-T IR01D-10050MS 13-Kwa-s	7: ARDG-001051-T IR01D-10050MS 13-Kwa-s
Sample Date & Time					10-Mar-24	10-Mar-24	10-Mar-24
Sample weight [g]	10-Apr-24	13:20	12-Apr-24	09:07	250	250	250
Volume D.I. Water [mL]	11-Apr-24	06:44	12-Apr-24	09:07	750	750	750
pH [no unit]	12-Apr-24	06:38	12-Apr-24	09:07	9.06	9.15	9.24
pH [No unit]	12-Apr-24	13:32	15-Apr-24	14:04	7.96	8.12	8.10
Conductivity [uS/cm]	12-Apr-24	13:32	15-Apr-24	14:04	256	245	238
Alkalinity [mg/L as CaCO3]	12-Apr-24	13:32	15-Apr-24	14:04	50	57	57
SO4 [mg/L]	12-Apr-24	16:11	12-Apr-24	19:36	18	16	16
Hg (diss) [mg/L]	15-Apr-24	18:13	16-Apr-24	11:22	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.583	0.670	0.659
As (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.0934	0.0968	0.0892
Ba (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.00313	0.00282	0.00294
B (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.038	0.020	0.020
Be (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	9.03	9.65	9.69
Cd (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.000003	0.000004	0.000005
Co (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.000027	0.000032	0.000029
Cr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	< 0.00008	0.00008	< 0.00008
Cu (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.007	< 0.007	< 0.007
K (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	19.4	17.4	16.7
Li (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.0013	0.0016	0.0018
Mg (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	3.42	3.60	3.50
Mn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.00143	0.00119	0.00121
Mo (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.0081	0.0077	0.0079
Na (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	24.0	23.6	22.2
Ni (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.0003	0.0002	0.0003
Pb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.0045	0.0052	0.0047
Se (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.00021	0.00035	0.00033
Si (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	1.51	1.67	1.66

Online LIMS

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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19432-MAR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001049-T IR01D-10050MS 13-Kwa-s	6: ARDG-001050-T IR01D-10050MS 13-Kwa-s	7: ARDG-001051-T IR01D-10050MS 13-Kwa-s
Sn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.0457	0.0451	0.0466
Ti (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.0004	0.0002	< 0.0001
Tl (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.000008	0.000006	0.000007
U (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.000161	0.000262	0.000245
V (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.00145	0.00189	0.00180
W (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	0.00208	0.00277	0.00283
Y (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:25	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001052-T IR01D-10050MS 13-Kwa-s	9: ARDG-001053-T IR01D-10050MS 13-Kwa-s	10: ARDG-001054-T IR01D-10050MS 13-Kwa-s	11: ARDG-001055-T IR01D-10050MS 13-Kwa-s	12: ARDG-001049-T IR01D-10050MS 13-Kwa-s
Sample Date & Time	10-Mar-24	10-Mar-24	10-Mar-24	10-Mar-24	
Sample weight [g]	250	249	250	250	251
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	8.99	8.79	9.35	9.15	9.06
pH [No unit]	8.35	8.07	8.77	7.93	7.94
Conductivity [uS/cm]	312	273	170	198	271
Alkalinity [mg/L as CaCO3]	62	54	60	41	50
SO4 [mg/L]	20	22	4	19	20
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]	0.412	0.581	0.652	0.761	0.574
As (diss) [mg/L]	0.104	0.0950	0.0335	0.0464	0.0957
Ba (diss) [mg/L]	0.00418	0.00381	0.00245	0.00255	0.00343
B (diss) [mg/L]	0.039	0.022	0.051	0.025	0.042
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]	11.3	9.85	5.13	9.93	9.46
Cd (diss) [mg/L]	< 0.000003	0.000005	< 0.000003	< 0.000003	0.000005
Co (diss) [mg/L]	0.000036	0.000028	0.000036	0.000055	0.000035
Cr (diss) [mg/L]	0.00034	< 0.00008	0.00041	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	0.040	< 0.007	0.008
K (diss) [mg/L]	17.6	19.0	12.0	10.7	21.6
Li (diss) [mg/L]	0.0017	0.0015	0.0012	0.0010	0.0015
Mg (diss) [mg/L]	3.95	4.14	1.12	2.56	3.62
Mn (diss) [mg/L]	0.00060	0.00163	0.00035	0.00082	0.00159
Mo (diss) [mg/L]	0.0092	0.0071	0.0036	0.0042	0.0086
Na (diss) [mg/L]	35.0	26.4	22.0	18.7	25.7
Ni (diss) [mg/L]	0.0003	0.0002	0.0002	0.0001	0.0004
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00012	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0062	0.0060	0.0041	0.0051	0.0049
Se (diss) [mg/L]	0.00033	0.00035	0.00023	0.00021	0.00022
Si (diss) [mg/L]	1.45	1.59	1.71	1.46	1.54
Sn (diss) [mg/L]	< 0.00006	< 0.00006	0.00030	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0500	0.0556	0.0190	0.0428	0.0491

SGS Canada Inc.

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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19432-MAR24

Analysis	8:	9:	10:	11:	12:
	ARDG-001052-T	ARDG-001053-T	ARDG-001054-T	ARDG-001055-T	ARDG-001049-T
	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS	IR01D-10050MS
	13-Kwa-s	13-Kwa-s	13-Kwa-s	13-Kwa-s	13-Kwa-s
Ti (diss) [mg/L]	0.0002	0.0002	0.0018	0.0002	0.0003
Tl (diss) [mg/L]	0.000017	0.000007	< 0.000005	0.000005	0.000008
U (diss) [mg/L]	0.000126	0.000160	0.000284	0.000193	0.000201
V (diss) [mg/L]	0.00103	0.00129	0.00283	0.00158	0.00148
W (diss) [mg/L]	0.00309	0.00156	0.00142	0.00073	0.00231
Y (diss) [mg/L]	< 0.00002	< 0.00002	0.00004	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0308-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8022-APR24													
Sulphate	2	mg/L	<2			1	20	102	80	120	101	75	125
Conductivity - QCBatchID: EWL0308-APR24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0034-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	108	80	120	121	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0148-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	102	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	121	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	106	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	94	90	110	95	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	95	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	83	70	130
Boron (dissolved)	0.002	mg/L	<0.002			6	20	97	90	110	102	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	102	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	99	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			1	20	99	90	110	109	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			6	20	96	90	110	100	70	130
Copper (dissolved)	0.001	mg/L	<0.001			1	20	97	90	110	94	70	130
Iron (dissolved)	0.007	mg/L	<0.007			2	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			1	20	95	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	90	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	100	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	96	90	110	88	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	102	90	110	103	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			15	20	95	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			3	20	97	90	110	92	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			12	20	95	90	110	116	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	80	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	98	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	95	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			3	20	98	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	93	90	110	98	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			8	20	98	90	110	102	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			4	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			4	20	97	90	110	107	70	130
pH - QCBatchID: EWL0308-APR24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 19 March 2024

LR Report: CA19434-MAR24

Reference: Meliadine - PO#1380289

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-001056 -TIR01C-1003 5MS60-Kwa-s	6: ARDG-001057 -TIR01C-1003 5MS60-Kwa-s	7: ARDG-001058 -TIR01C-1003 5MS60-Kwa-s
Sample Date & Time					08-Mar-24	08-Mar-24	08-Mar-24
Paste pH [no unit]	09-Apr-24	07:05	11-Apr-24	12:05	8.90	9.14	9.19
Fizz Rate [rating]	09-Apr-24	09:11	11-Apr-24	12:05	4	4	4
Sample weight [g]	09-Apr-24	07:05	11-Apr-24	12:05	2.02	2.02	1.98
HCl_add [mL]	10-Apr-24	10:10	11-Apr-24	12:05	40.00	40.00	40.00
HCl [Normality]	09-Apr-24	10:03	11-Apr-24	12:05	0.10	0.10	0.10
NaOH [Normality]	09-Apr-24	10:03	11-Apr-24	12:05	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	10-Apr-24	10:10	11-Apr-24	12:05	18.74	17.79	18.98
Final pH [no unit]	10-Apr-24	10:10	11-Apr-24	12:05	1.62	1.63	1.56
NP [t CaCO3/1000 t]	10-Apr-24	10:10	11-Apr-24	12:05	52.6	55.0	53.1
AP [t CaCO3/1000 t]	11-Apr-24	10:40	11-Apr-24	10:40	8.44	4.38	4.69
Net NP [t CaCO3/1000 t]	11-Apr-24	10:40	11-Apr-24	10:40	44.2	50.6	48.4
NP/AP [ratio]	11-Apr-24	10:40	11-Apr-24	10:40	6.23	12.6	11.3
S [%]	10-Apr-24	12:51	11-Apr-24	10:39	0.369	0.249	0.239
Acid Leachable SO4-S [%]	11-Apr-24	10:07	11-Apr-24	10:39	0.10	0.11	0.09
Sulphide [%]	11-Apr-24	10:05	11-Apr-24	10:39	0.27	0.14	0.15
C [%]	10-Apr-24	12:51	11-Apr-24	10:39	0.829	0.851	0.836
CO3 (HCl) as %CO3 [%]	11-Apr-24	09:25	11-Apr-24	10:39	3.71	3.75	3.72

Analysis	8: ARDG-001059 -TIR01C-1003 5MS60-Kwa-s	9: ARDG-001060 -TIR01C-1003 5MS60-Kwa-s	10: ARDG-001061 -TIR01C-1003 5MS60-Kwa-s	11: ARDG-001062 -TIR01C-1003 5MS60-Kwa-s	12: ARDG-001063 -TIR01C-1003 5MS60-Kwa-s	13: ARDG-001064 -TIR01C-1003 5MS60-Kwa-s	14: ARDG-001065 -TIR01C-1003 5MS60-Kwa-s
Sample Date & Time	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24
Paste pH [no unit]	9.24	9.22	8.97	9.11	9.20	9.31	9.36
Fizz Rate [rating]	4	4	4	4	4	4	4
Sample weight [g]	2.01	1.99	1.99	1.99	1.98	1.99	2.04
HCl_add [mL]	40.00	40.00	65.10	40.00	40.00	40.00	40.00

Online LIMS

0003749585

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19434-MAR24

Analysis	8:	9:	10:	11:	12:	13:	14:
	ARDG-001059	ARDG-001060	ARDG-001061	ARDG-001062	ARDG-001063	ARDG-001064	ARDG-001065
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003
	5MS60-Kwa-s	5MS60-Kwa-s	5MS60-Kwa-s	5MS60-Kwa-s	5MS60-Kwa-s	5MS60-Kwa-s	5MS60-Kwa-s
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]	16.01	22.02	27.00	23.46	27.20	26.39	22.22
Final pH [no unit]	1.72	1.50	1.62	1.45	1.48	1.50	1.46
NP [t CaCO ₃ /1000 t]	59.7	45.2	95.7	41.6	32.3	34.2	43.6
AP [t CaCO ₃ /1000 t]	5.94	3.75	4.38	5.62	4.06	3.12	2.19
Net NP [t CaCO ₃ /1000 t]	53.8	41.4	91.3	36.0	28.2	31.1	41.4
NP/AP [ratio]	10.1	12.1	21.9	7.40	7.95	10.9	19.9
S [%]	0.269	0.189	0.226	0.303	0.204	0.190	0.138
Acid Leachable SO ₄ -S [%]	0.08	0.07	0.09	0.12	0.07	0.09	0.07
Sulphide [%]	0.19	0.12	0.14	0.18	0.13	0.10	0.07
C [%]	0.943	0.800	1.50	0.646	0.547	0.591	0.668
CO ₃ (HCl) as %CO ₃ [%]	4.24	3.21	6.77	2.68	1.99	2.32	2.89

Analysis	15:	16:
	ARDG-001066	ARDG-001067
	-TIR01C-1003	-TIR01C-1003
	5MS60-Kwa-s	5MS60-Kwa-s
Sample Date & Time	08-Mar-24	08-Mar-24
Paste pH [no unit]	9.34	9.14
Fizz Rate [rating]	4	4
Sample weight [g]	2.01	2.00
HCl_add [mL]	40.00	40.00
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
Vol NaOH to pH=8.3 [mL]	23.50	23.14
Final pH [no unit]	1.58	1.51
NP [t CaCO ₃ /1000 t]	41.0	42.2
AP [t CaCO ₃ /1000 t]	2.81	8.12
Net NP [t CaCO ₃ /1000 t]	38.2	34.1
NP/AP [ratio]	14.6	5.19
S [%]	0.172	0.363
Acid Leachable SO ₄ -S [%]	0.08	0.10
Sulphide [%]	0.09	0.26
C [%]	0.634	0.659
CO ₃ (HCl) as %CO ₃ [%]	2.69	2.63

ABA - Modified Sobek

$$\begin{aligned}
 & \text{*NP (Neutralization Potential)} \\
 & = 50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added}) \\
 & \text{-----} \\
 & \text{Weight of Sample}
 \end{aligned}$$

$$\begin{aligned}
 & \text{*AP (Acid Potential) = \% Sulphide Sulphur} \times 31.25 \\
 & \text{*Net NP (Net Neutralization Potential) = NP-AP} \\
 & \text{NP/AP Ratio = NP/AP}
 \end{aligned}$$



SGS Canada Inc.

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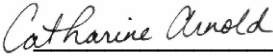
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19434-MAR24

*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.

Revised report with QC Report added.



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

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: ECS0034-APR24													
Carbon (total)	0.005	%	<0.005			0	20				98	70	130
Sulphur (total)	0.005	%	<0.005			6	20				99	70	130
Carbon/Sulphur - QCBatchID: ECS0037-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0039-APR24													
Sulphide	0.04	%	< 0.01			12	20	91	80	120			



Agnico Eagle Mines Limited

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Meliadine
, Nunavut
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Phone: (819) 759-3555
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Works #: Waste Rock OP TIR01
Project : PO#1380289

11-June-2024

Date Rec. : 19 March 2024
LR Report: CA19435-MAR24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Revised

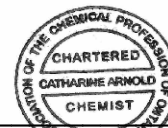
[illegible]

Analysis	13:	14:	15:	16:
	ARDG-001064-TI	ARDG-001065-TI	ARDG-001066-TI	ARDG-001067-TI
	R01C-10035MS6R01C-10035MS6R01C-10035MS6R01C-10035MS6	R01C-10035MS6R01C-10035MS6R01C-10035MS6R01C-10035MS6	R01C-10035MS6R01C-10035MS6R01C-10035MS6R01C-10035MS6	R01C-10035MS6R01C-10035MS6R01C-10035MS6R01C-10035MS6
	0-Kwa-s	0-Kwa-s	0-Kwa-s	0-Kwa-s
Sample Date & Time	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	71000	71000	68000	65000
As [µg/g]	69	67	69	150
Ba [µg/g]	630	910	890	690
Be [µg/g]	1.4	1.5	1.5	1.1
Bi [µg/g]	0.20	0.15	0.16	0.33
Ca [µg/g]	9300	12000	11000	14000
Cd [µg/g]	0.10	0.12	0.10	0.11
Co [µg/g]	24	21	23	24
Cr [µg/g]	120	79	130	120
Cu [µg/g]	46	45	43	40
Fe [µg/g]	39000	39000	40000	37000
K [µg/g]	19000	19000	18000	12000
Li [µg/g]	44	40	40	35
Mg [µg/g]	15000	13000	13000	10000
Mn [µg/g]	340	350	320	300
Mo [µg/g]	2.2	2.4	2.2	2.1
Ni [µg/g]	78	72	70	64
P [µg/g]	410	430	420	400
Pb [µg/g]	20	20	21	13

Analysis	13: ARDG-001064-TIARDG-001065-TIARDG-001066-TIARDG-001067-TI R01C-10035MS6R01C-10035MS6R01C-10035MS6R01C-10035MS6 0-Kwa-s	14: 0-Kwa-s	15: 0-Kwa-s	16: 0-Kwa-s
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.2	0.2	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	280	320	300	300
Ti [µg/g]	1100	2100	2100	1900
Tl [µg/g]	0.56	0.57	0.54	0.36
U [µg/g]	1.7	1.8	1.9	1.1
V [µg/g]	110	87	100	85
Y [µg/g]	4.9	6.0	4.9	3.9
Zn [µg/g]	94	82	79	79

Bulk Metals Suite
Revised report with P and QC Report added.

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



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: EMS0112-APR24													
Calcium	3	µg/g	<3			1		99			85		
Phosphorus	3	µg/g	<3			2		99			85		
Potassium	3	µg/g	<3			2		104			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0112-APR24													
Aluminum	3	µg/g	<3			0	20	109	70	130	102	70	130
Antimony	0.8	µg/g	<0.8			2	20	107	70	130	115	70	130
Arsenic	0.5	µg/g	<0.5			5	20	101	70	130	94	70	130
Barium	0.01	µg/g	<0.01			14	20	98	70	130	110	70	130
Beryllium	0.02	µg/g	<0.02			1	20	101	70	130	100	70	130
Bismuth	0.09	µg/g	<0.09			7	20	94	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	100	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			12	20	102	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			0	20	101	70	130	94	70	130
Copper	0.1	µg/g	<0.1			6	20	100	70	130	100	70	130
Iron	3	µg/g	<3			3	20	103	70	130	89	70	130
Lead	0.05	µg/g	<0.05			0	20	99	70	130	112	70	130
Lithium	2	µg/g	<2			1	20	97	70	130	111	70	130
Magnesium	3	µg/g	<3			4	20	105	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			1	20	100	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	97	70	130	95	70	130
Nickel	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			11	20	98	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			2	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			7	20	99	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			1	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	93	70	130	87	70	130
Uranium	0.002	µg/g	<0.002			5	20	96	70	130	107	70	130
Vanadium	1	µg/g	<1			0	20	98	70	130	97	70	130
Yttrium	0.004	µg/g	<0.004			8	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	104	70	130	99	70	130



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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

20-June-2024

Date Rec. : 19 March 2024
LR Report: CA19436-MAR24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed	5: ARDG-001056 -TIR01C-1003 5MS60-Kwa-s	6: ARDG-001057 -TIR01C-1003 5MS60-Kwa-s	7: ARDG-001058 -TIR01C-1003 5MS60-Kwa-s	8: ARDG-001059 -TIR01C-1003 5MS60-Kwa-s	9: ARDG-001060 -TIR01C-1003 5MS60-Kwa-s	10: ARDG-001061 -TIR01C-1003 5MS60-Kwa-s
Sample Date & Time					08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24
Sample weight [g]	10-Apr-24	13:20	12-Apr-24	09:07	250	251	249	252	249	250
Volume D.I. Water [mL]	11-Apr-24	06:44	12-Apr-24	09:07	750	750	750	750	750	750
pH [no unit]	12-Apr-24	06:38	12-Apr-24	09:07	9.08	9.11	9.22	9.20	9.15	9.07
pH [No unit]	12-Apr-24	13:32	15-Apr-24	14:04	8.01	8.18	8.02	8.06	8.07	8.13
Conductivity [uS/cm]	12-Apr-24	13:32	15-Apr-24	14:04	268	239	230	230	232	343
Alkalinity [mg/L as CaCO3]	12-Apr-24	13:32	15-Apr-24	14:04	48	52	50	55	57	64
SO4 [mg/L]	12-Apr-24	16:11	12-Apr-24	19:35	50	29	27	32	27	43
Hg (diss) [mg/L]	15-Apr-24	18:13	16-Apr-24	11:22	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.542	0.620	0.637	0.660	0.644	0.495
As (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.0730	0.140	0.145	0.0530	0.123	0.0500
Ba (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.00405	0.00203	0.00183	0.00187	0.00178	0.00404
B (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.012	0.013	0.011	0.009	0.014	0.014
Be (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.00193
Bi (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed	5: ARDG-001056 -TIR01C-1003 Time	6: ARDG-001057 -TIR01C-1003 5MS60-Kwa-s	7: ARDG-001058 -TIR01C-1003 5MS60-Kwa-s	8: ARDG-001059 -TIR01C-1003 5MS60-Kwa-s	9: ARDG-001060 -TIR01C-1003 5MS60-Kwa-s	10: ARDG-001061 -TIR01C-1003 5MS60-Kwa-s
Ca (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	13.5	9.40	9.33	9.45	9.53	14.2
Cd (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003	0.000003
Co (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.000051	0.000037	0.000050	0.000036	0.000038	0.000046
Cr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	15.6	15.8	15.1	17.4	18.1	22.6
Li (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.0019	0.0016	0.0013	0.0014	0.0013	0.0021
Mg (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	5.19	3.44	3.31	3.81	3.64	7.14
Mn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.00261	0.00167	0.00130	0.00139	0.00131	0.00247
Mo (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.0090	0.0066	0.0061	0.0068	0.0071	0.0051
Na (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	20.3	22.8	21.4	21.2	20.3	27.5
Ni (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.0003	0.0002	0.0002	0.0001	0.0002	0.0002
Pb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.0049	0.0059	0.0056	0.0054	0.0066	0.0041
Se (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.00057	0.00050	0.00042	0.00059	0.00033	0.00056
Si (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	1.70	1.86	1.80	1.76	1.69	1.75
Sn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.0640	0.0397	0.0385	0.0388	0.0381	0.0686
Ti (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001
Tl (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.000005	0.000005	0.000006	0.000007	0.000006	0.000018
U (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.000666	0.000484	0.000539	0.000468	0.000359	0.000226
V (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.00151	0.00266	0.00260	0.00226	0.00210	0.00139
W (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	0.00403	0.00357	0.00337	0.00378	0.00278	0.00278
Y (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:24	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11:	12:	13:	14:	15:	16:
	ARDG-001062	ARDG-001063	ARDG-001064	ARDG-001065	ARDG-001066	ARDG-001067
	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004
	OMS82-Kwa-s	OMS82-Kwa-s	OMS82-Kwa-s	OMS82-Kwa-s	OMS82-Kwa-s	OMS82-Kwa-s
Sample Date & Time	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24	08-Mar-24
Sample weight [g]	250	251	249	249	249	249
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.16	9.41	9.26	9.30	9.35	9.29
pH [No unit]	7.95	8.42	8.56	8.16	8.57	7.99
Conductivity [uS/cm]	237	203	210	186	194	184
Alkalinity [mg/L as CaCO3]	49	63	67	60	63	46
SO4 [mg/L]	36	8	20	7	7	10
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]	0.643	0.616	0.446	0.773	0.491	0.769
As (diss) [mg/L]	0.0305	0.0864	0.0942	0.0992	0.114	0.0393
Ba (diss) [mg/L]	0.00192	0.00251	0.00268	0.00208	0.00297	0.00205
B (diss) [mg/L]	0.013	0.056	0.053	0.013	0.042	0.014
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]	10.4	5.44	6.40	6.93	6.24	7.97
Cd (diss) [mg/L]	0.000004	0.000004	< 0.000003	< 0.000003	0.000003	0.000005
Co (diss) [mg/L]	0.000024	0.000090	0.000043	0.000021	0.000030	0.000016
Cr (diss) [mg/L]	< 0.00008	0.00058	0.00046	< 0.00008	0.00025	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.043	0.025	< 0.007	0.016	< 0.007
K (diss) [mg/L]	17.1	16.0	17.0	18.1	15.4	12.2
Li (diss) [mg/L]	0.0015	0.0014	0.0017	0.0012	0.0015	0.0010
Mg (diss) [mg/L]	3.27	1.31	2.12	2.26	2.00	1.94
Mn (diss) [mg/L]	0.00134	0.00039	0.00046	0.00065	0.00022	0.00063
Mo (diss) [mg/L]	0.0075	0.0074	0.0060	0.0062	0.0054	0.0090
Na (diss) [mg/L]	19.9	25.8	24.3	16.9	22.0	18.6
Ni (diss) [mg/L]	0.0002	0.0003	0.0003	0.0001	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009

Analysis	11:	12:	13:	14:	15:	16:
	ARDG-001062	ARDG-001063	ARDG-001064	ARDG-001065	ARDG-001066	ARDG-001067
	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004	-TIR01C-1004
	OMS82-Kwa-s	OMS82-Kwa-s	OMS82-Kwa-s	OMS82-Kwa-s	OMS82-Kwa-s	OMS82-Kwa-s
Sb (diss) [mg/L]	0.0060	0.0065	0.0066	0.0054	0.0052	0.0064
Se (diss) [mg/L]	0.00045	0.00025	0.00035	0.00028	0.00023	0.00059
Si (diss) [mg/L]	1.58	1.79	1.82	1.73	1.80	1.57
Sn (diss) [mg/L]	< 0.00006	0.00026	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0443	0.0186	0.0243	0.0335	0.0262	0.0435
Ti (diss) [mg/L]	< 0.0001	0.0007	0.0008	0.0002	0.0009	0.0002
Tl (diss) [mg/L]	0.000005	0.000005	0.000030	0.000007	0.000019	< 0.000005
U (diss) [mg/L]	0.000414	0.000347	0.000205	0.000260	0.000202	0.000147
V (diss) [mg/L]	0.00161	0.00372	0.00256	0.00254	0.00253	0.00207
W (diss) [mg/L]	0.00318	0.00313	0.00310	0.00301	0.00272	0.00268
Y (diss) [mg/L]	< 0.00002	0.00003	< 0.00002	< 0.00002	0.00003	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0308-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8022-APR24													
Sulphate	2	mg/L	<2			1	20	102	80	120	101	75	125
Conductivity - QCBatchID: EWL0308-APR24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0034-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	108	80	120	121	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0148-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	102	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	121	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	106	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	94	90	110	95	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	95	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	83	70	130
Boron (dissolved)	0.002	mg/L	<0.002			6	20	97	90	110	102	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	102	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	99	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			1	20	99	90	110	109	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			6	20	96	90	110	100	70	130
Copper (dissolved)	0.001	mg/L	<0.001			1	20	97	90	110	94	70	130
Iron (dissolved)	0.007	mg/L	<0.007			2	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			1	20	95	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	90	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	100	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	96	90	110	88	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	102	90	110	103	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			15	20	95	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			3	20	97	90	110	92	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			12	20	95	90	110	116	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	80	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	98	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	95	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			3	20	98	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	93	90	110	98	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			8	20	98	90	110	102	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			4	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			4	20	97	90	110	107	70	130
pH - QCBatchID: EWL0308-APR24													
pH	0.05	No unit	NA			0		101			NA		



Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

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

Works #: Waste Rock OP TIR01
Project : PO#1380289

11-June-2024

Date Rec. : 22 March 2024
LR Report: CA19465-MAR24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:	11:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-001083-TIARDG-001083MS6R01C-10035MS6R01C-2-Kwa-s	TIARDG-001084-TIARDG-001084MS6R01C-10035MS6R01C-2-Kwa-s	TIAARDG-001085-TIAARDG-001085MS6R01C-10035MS6R01C-2-Kwa-s	TIARDG-001086-TIARDG-001086MS6R01C-10035MS6R01C-2-Kwa-s	TIAARDG-001087-TIARDG-001087MS6R01C-10035MS6R01C-2-Kwa-s	TIARDG-001088-TIARDG-001088MS6R01C-10035MS6R01C-2-Kwa-s	TIAARDG-001089-TIARDG-001089MS6R01C-10035MS6R01C-2-Kwa-s
Sample Date & Time					14-Mar-24	14-Mar-24	14-Mar-24	15-Mar-24	15-Mar-24	16-Mar-24	16-Mar-24
Ag [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	70000	70000	70000	64000	66000	67000	63000
As [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	11	9.9	9.2	64	340	62	83
Ba [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	860	860	950	710	910	600	560
Be [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	1.1	1.1	1.2	1.1	1.5	1.2	1.3
Bi [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	0.20	0.18	0.23	0.16	0.33	0.24	0.19
Ca [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	13000	13000	13000	13000	13000	11000	9200
Cd [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	0.07	0.07	0.06	0.13	0.12	0.11	0.10
Co [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	19	17	19	19	26	21	22
Cr [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	47	43	47	55	71	100	130
Cu [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	41	38	36	43	51	50	53
Fe [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	30000	29000	30000	28000	45000	32000	38000
K [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	16000	16000	16000	14000	22000	16000	18000
Li [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	31	30	31	29	51	31	45
Mg [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	11000	11000	11000	10000	18000	12000	14000
Mn [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	290	310	280	330	410	360	330
Mo [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	3.2	1.7	1.8	1.6	1.7	2.0	1.9
Ni [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	59	57	57	56	83	64	78
P [µg/g]	11-Apr-24	13:52	05-Jun-24	09:34	370	380	410	380	460	400	440
Pb [µg/g]	11-Apr-24	13:52	15-Apr-24	14:36	11	11	15	13	21	15	12

Bulk Metals Suite
Revised report with P and QC Report added.



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: EMS0112-APR24													
Calcium	3	µg/g	<3			1		99			85		
Phosphorus	3	µg/g	<3			2		99			85		
Potassium	3	µg/g	<3			2		104			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0112-APR24													
Aluminum	3	µg/g	<3			0	20	109	70	130	102	70	130
Antimony	0.8	µg/g	<0.8			2	20	107	70	130	115	70	130
Arsenic	0.5	µg/g	<0.5			5	20	101	70	130	94	70	130
Barium	0.01	µg/g	<0.01			14	20	98	70	130	110	70	130
Beryllium	0.02	µg/g	<0.02			1	20	101	70	130	100	70	130
Bismuth	0.09	µg/g	<0.09			7	20	94	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	100	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			12	20	102	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			0	20	101	70	130	94	70	130
Copper	0.1	µg/g	<0.1			6	20	100	70	130	100	70	130
Iron	3	µg/g	<3			3	20	103	70	130	89	70	130
Lead	0.05	µg/g	<0.05			0	20	99	70	130	112	70	130
Lithium	2	µg/g	<2			1	20	97	70	130	111	70	130
Magnesium	3	µg/g	<3			4	20	105	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			1	20	100	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	97	70	130	95	70	130
Nickel	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			11	20	98	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			2	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			7	20	99	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			1	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	93	70	130	87	70	130
Uranium	0.002	µg/g	<0.002			5	20	96	70	130	107	70	130
Vanadium	1	µg/g	<1			0	20	98	70	130	97	70	130
Yttrium	0.004	µg/g	<0.004			8	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	104	70	130	99	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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 March 2024

LR Report: CA19466-MAR24

Reference: Meliadine - PO#1380289

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-001083 ARDG-001084 ARDG-001085 -TIR01C-1003 5MS62-Kwa-s	6: ARDG-001083 ARDG-001084 ARDG-001085 -TIR01C-1003 5MS62-Kwa-s	7: ARDG-001083 ARDG-001084 ARDG-001085 -TIR01C-1003 5MS62-Kwa-s
Sample Date & Time					14-Mar-24	14-Mar-24	14-Mar-24
Sample weight [g]	10-Apr-24	13:20	12-Apr-24	09:07	251	249	250
Volume D.I. Water [mL]	11-Apr-24	06:44	12-Apr-24	09:07	750	750	750
pH [no unit]	12-Apr-24	06:38	12-Apr-24	09:07	9.16	9.09	8.94
pH [No unit]	12-Apr-24	13:32	15-Apr-24	14:04	8.01	7.99	7.95
Conductivity [uS/cm]	12-Apr-24	13:32	15-Apr-24	14:04	277	275	305
Alkalinity [mg/L as CaCO3]	12-Apr-24	13:32	15-Apr-24	14:04	47	50	47
SO4 [mg/L]	12-Apr-24	16:42	12-Apr-24	19:47	31	31	69
Hg (diss) [mg/L]	15-Apr-24	18:13	16-Apr-24	11:23	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.604	0.589	0.523
As (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.0102	0.0093	0.0048
Ba (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.00321	0.00327	0.00586
B (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.010	0.011	0.010
Be (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	10.3	10.2	15.3
Cd (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.000003	0.000003	0.000003
Co (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.000017	0.000017	0.000013
Cr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.00008	0.00013	< 0.00008
Cu (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.007	0.016	< 0.007
K (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	17.6	17.6	20.5
Li (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.0017	0.0020	0.0020
Mg (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	3.72	3.70	5.76
Mn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.00108	0.00127	0.00204
Mo (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.0069	0.0070	0.0057
Na (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	27.1	26.2	22.3
Ni (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.0001	0.0001	0.0001

Online LIMS

0003749611

**SGS Canada Inc.**

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 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

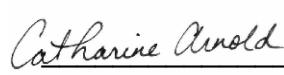
LR Report : CA19466-MAR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001083 -TIR01C-1003 5MS62-Kwa-s	6: ARDG-001084 -TIR01C-1003 5MS62-Kwa-s	7: ARDG-001085 -TIR01C-1003 5MS62-Kwa-s
Pb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.0020	0.0021	0.0022
Se (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.00028	0.00024	0.00047
Si (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	1.82	1.79	1.74
Sn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.00006	0.00008	< 0.00006
Sr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.0541	0.0543	0.0819
Ti (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.0002	0.0002	< 0.0001
Tl (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.000012	0.000014	0.000013
U (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.000170	0.000358	0.000446
V (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.00172	0.00167	0.00132
W (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.00409	0.00425	0.00485
Y (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001086 -TIR01C-1003 5MS62-Kwa-s	9: ARDG-001087 -TIR01C-1003 5MS62-Kwa-s	10: ARDG-001088 -TIR01C-1003 5MS62-Kwa-s	11: ARDG-001089 -TIR01C-1003 5MS62-Kwa-s
Sample Date & Time	15-Mar-24	15-Mar-24	16-Mar-24	16-Mar-24
Sample weight [g]	249	251	249	249
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.34	9.21	9.06	9.33
pH [No unit]	8.21	8.15	7.96	8.71
Conductivity [uS/cm]	196	214	303	214
Alkalinity [mg/L as CaCO3]	58	56	46	63
SO4 [mg/L]	8	9	48	4
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]	0.801	0.710	0.566	0.574
As (diss) [mg/L]	0.112	0.0438	0.114	0.0653
Ba (diss) [mg/L]	0.00198	0.00164	0.00325	0.00263
B (diss) [mg/L]	0.010	0.011	0.014	0.044
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]	7.17	8.07	13.0	5.92
Cd (diss) [mg/L]	0.000005	< 0.000003	0.000004	0.000003
Co (diss) [mg/L]	0.000032	0.000018	0.000056	0.000045
Cr (diss) [mg/L]	0.00008	< 0.00008	< 0.00008	0.00030
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	0.021
K (diss) [mg/L]	14.5	18.6	17.7	15.1
Li (diss) [mg/L]	0.0013	0.0010	0.0014	0.0014
Mg (diss) [mg/L]	2.22	2.56	4.73	1.67

Analysis	8:	9:	10:	11:
	ARDG-001086	ARDG-001087	ARDG-001088	ARDG-001089
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003
	5MS62-Kwa-s	5MS62-Kwa-s	5MS62-Kwa-s	5MS62-Kwa-s
Mn (diss) [mg/L]	0.00083	0.00067	0.00206	0.00021
Mo (diss) [mg/L]	0.0083	0.0055	0.0090	0.0057
Na (diss) [mg/L]	20.1	19.8	28.3	25.8
Ni (diss) [mg/L]	0.0002	0.0001	0.0003	0.0002
Pb (diss) [mg/L]	0.00009	< 0.00009	0.00014	< 0.00009
Sb (diss) [mg/L]	0.0061	0.0057	0.0046	0.0071
Se (diss) [mg/L]	0.00026	0.00027	0.00073	0.00014
Si (diss) [mg/L]	1.83	1.40	1.71	1.69
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00022
Sr (diss) [mg/L]	0.0336	0.0354	0.0596	0.0214
Ti (diss) [mg/L]	0.0003	0.0001	0.0002	0.0007
Tl (diss) [mg/L]	< 0.000005	0.000017	0.000010	< 0.000005
U (diss) [mg/L]	0.000588	0.000128	0.000314	0.000498
V (diss) [mg/L]	0.00340	0.00160	0.00158	0.00297
W (diss) [mg/L]	0.00508	0.00131	0.00316	0.00171
Y (diss) [mg/L]	0.00003	< 0.00002	< 0.00002	0.00006
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

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: EWL0308-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8023-APR24													
Sulphate	2	mg/L	<2			ND	20	103	80	120	106	75	125
Conductivity - QCBatchID: EWL0308-APR24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0034-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	108	80	120	121	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0148-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	102	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	121	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	106	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	94	90	110	95	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	95	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	83	70	130
Boron (dissolved)	0.002	mg/L	<0.002			6	20	97	90	110	102	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	102	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	99	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			1	20	99	90	110	109	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			6	20	96	90	110	100	70	130
Copper (dissolved)	0.001	mg/L	<0.001			1	20	97	90	110	94	70	130
Iron (dissolved)	0.007	mg/L	<0.007			2	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			1	20	95	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	90	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	100	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	96	90	110	88	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	102	90	110	103	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			15	20	95	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			3	20	97	90	110	92	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			12	20	95	90	110	116	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	80	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	98	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	95	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			3	20	98	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	93	90	110	98	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			8	20	98	90	110	102	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			4	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			4	20	97	90	110	107	70	130
pH - QCBatchID: EWL0308-APR24													
pH	0.05	No unit	NA			0		101			NA		

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

11-June-2024

Date Rec. : 22 March 2024
LR Report: CA19468-MAR24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

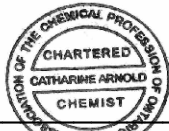
Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001090-T IR01C-10035MS 76-MV	6: ARDG-001091-T IR01C-10035MS 76-MV	7: ARDG-001092-T IR01C-10035MS 76-MV	8: ARDG-001093-T IR01C-10035MS 76-MV	9: ARDG-001094-T IR01C-10035MS 76-MV
Sample Date & Time					17-Mar-24	17-Mar-24	17-Mar-24	17-Mar-24	18-Mar-24
Ag [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	74000	75000	70000	63000	72000
As [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	15	12	29	92	38
Ba [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	130	140	87	160	22
Be [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	0.48	0.47	0.32	0.50	0.33
Bi [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	82000	86000	69000	82000	86000
Cd [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	0.11	0.12	0.13	0.15	0.11
Co [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	53	46	50	43	52
Cr [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	150	150	160	160	190
Cu [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	91	100	130	89	150
Fe [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	71000	72000	78000	73000	74000
K [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	4500	4700	3700	7500	630
Li [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	68	65	83	57	57
Mg [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	23000	22000	37000	35000	25000
Mn [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	2000	2100	1600	1800	2000
Mo [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	0.5	0.6	0.6	0.6	0.8
Ni [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	110	110	140	130	140
P [µg/g]	11-Apr-24	13:52	05-Jun-24	09:34	230	270	180	160	190
Pb [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	3	3	2	3	3
Sb [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	< 0.8	< 0.8	< 0.8	< 0.8	1.0

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001090-T IR01C-10035MS 76-MV	6: ARDG-001091-T IR01C-10035MS 76-MV	7: ARDG-001092-T IR01C-10035MS 76-MV	8: ARDG-001093-T IR01C-10035MS 76-MV	9: ARDG-001094-T IR01C-10035MS 76-MV
Se [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	0.5	0.5	0.3	0.3	0.5
Sn [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	140	140	99	120	120
Ti [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	2900	3200	430	390	3400
Tl [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	0.28	0.28	0.22	0.41	0.04
U [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	0.092	0.10	0.068	0.090	0.12
V [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	250	250	220	210	250
Y [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	11	12	6.7	5.9	16
Zn [µg/g]	11-Apr-24	13:52	15-Apr-24	14:37	97	100	88	84	92

Bulk Metals Suite

Revised report with P and QC Report added.

Catharine Arnold

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

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: EMS0112-APR24													
Calcium	3	µg/g	<3			1		99			85		
Phosphorus	3	µg/g	<3			2		99			85		
Potassium	3	µg/g	<3			2		104			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0112-APR24													
Aluminum	3	µg/g	<3			0	20	109	70	130	102	70	130
Antimony	0.8	µg/g	<0.8			2	20	107	70	130	115	70	130
Arsenic	0.5	µg/g	<0.5			5	20	101	70	130	94	70	130
Barium	0.01	µg/g	<0.01			14	20	98	70	130	110	70	130
Beryllium	0.02	µg/g	<0.02			1	20	101	70	130	100	70	130
Bismuth	0.09	µg/g	<0.09			7	20	94	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	100	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			12	20	102	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			0	20	101	70	130	94	70	130
Copper	0.1	µg/g	<0.1			6	20	100	70	130	100	70	130
Iron	3	µg/g	<3			3	20	103	70	130	89	70	130
Lead	0.05	µg/g	<0.05			0	20	99	70	130	112	70	130
Lithium	2	µg/g	<2			1	20	97	70	130	111	70	130
Magnesium	3	µg/g	<3			4	20	105	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			1	20	100	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	97	70	130	95	70	130
Nickel	0.1	µg/g	<0.1			3	20	100	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			11	20	98	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			2	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			7	20	99	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			1	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	93	70	130	87	70	130
Uranium	0.002	µg/g	<0.002			5	20	96	70	130	107	70	130
Vanadium	1	µg/g	<1			0	20	98	70	130	97	70	130
Yttrium	0.004	µg/g	<0.004			8	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	104	70	130	99	70	130

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 22 March 2024

LR Report: CA19469-MAR24

Reference: Meliadine - PO#1380289

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-001090 -TIR01C-1003 5MS76-MV	6: ARDG-001091 -TIR01C-1003 5MS76-MV	7: ARDG-001092 -TIR01C-1003 5MS76-MV
Sample Date & Time					17-Mar-24	17-Mar-24	17-Mar-24
Sample weight [g]	10-Apr-24	13:20	12-Apr-24	09:08	250	250	248
Volume D.I. Water [mL]	11-Apr-24	06:44	12-Apr-24	09:08	750	750	750
pH [no unit]	12-Apr-24	06:38	12-Apr-24	09:08	9.01	8.95	8.97
pH [No unit]	12-Apr-24	13:32	15-Apr-24	14:05	7.99	7.98	8.02
Conductivity [uS/cm]	12-Apr-24	13:32	15-Apr-24	14:05	134	138	144
Alkalinity [mg/L as CaCO3]	12-Apr-24	13:32	15-Apr-24	14:05	47	47	54
SO4 [mg/L]	12-Apr-24	16:42	12-Apr-24	19:48	7	7	2
Hg (diss) [mg/L]	15-Apr-24	18:13	16-Apr-24	11:23	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.750	0.727	0.405
As (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.0014	0.0015	0.0026
Ba (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.00054	0.00050	0.00064
B (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.006	0.006	0.008
Be (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	10.6	10.8	9.88
Cd (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.000009	0.000012	0.000009
Cr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	4.63	4.53	4.96
Li (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.0011	0.0011	0.0011
Mg (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	2.20	2.17	4.06
Mn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.00192	0.00198	0.00123
Mo (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.0014	0.0016	0.0011
Na (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	11.2	10.9	10.5
Ni (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.0001	< 0.0001	< 0.0001

Online LIMS

0003749621

**SGS Canada Inc.**

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 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19469-MAR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001090 -TIR01C-1003 5MS76-MV	6: ARDG-001091 -TIR01C-1003 5MS76-MV	7: ARDG-001092 -TIR01C-1003 5MS76-MV
Pb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.0009	< 0.0009	< 0.0009
Se (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.00014	0.00014	0.00008
Si (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.91	0.89	0.99
Sn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.0228	0.0230	0.0247
Ti (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.000007	0.000005	0.000007
U (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.000006	0.000007	0.000006
V (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:22	0.00080	0.00083	0.00057
W (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	0.0005	0.0006	0.0009
Y (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	16-Apr-24	11:30	17-Apr-24	13:23	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001093 -TIR01C-1003 5MS76-MV	9: ARDG-001094 -TIR01C-1003 5MS76-MV	10:BLK: \$D.I. Leachate Blank
Sample Date & Time	17-Mar-24	18-Mar-24	
Sample weight [g]	251	251	---
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.86	9.06	5.68
pH [No unit]	8.08	7.94	6.47
Conductivity [uS/cm]	222	128	4
Alkalinity [mg/L as CaCO3]	64	37	2
SO4 [mg/L]	6	7	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.339	0.681	0.002
As (diss) [mg/L]	0.0339	0.0026	0.0006
Ba (diss) [mg/L]	0.00107	0.00041	< 0.00008
B (diss) [mg/L]	0.016	0.007	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	11.7	10.5	0.03
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000040	0.000022	0.000006
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	8.68	0.753	0.032
Li (diss) [mg/L]	0.0013	0.0008	< 0.0001
Mg (diss) [mg/L]	6.86	2.07	0.009

Analysis	8: ARDG-001093 -TIR01C-1003 5MS76-MV	9: ARDG-001094 -TIR01C-1003 5MS76-MV	10:BLK: \$D.I. Leachate Blank
Mn (diss) [mg/L]	0.00197	0.00175	0.00011
Mo (diss) [mg/L]	0.0036	0.0033	< 0.0004
Na (diss) [mg/L]	16.9	11.2	0.01
Ni (diss) [mg/L]	0.0002	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	< 0.0009	0.0017	< 0.0009
Se (diss) [mg/L]	0.00023	0.00010	< 0.00004
Si (diss) [mg/L]	1.11	1.05	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0330	0.0182	0.00015
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000012	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000018	0.000008	0.000009
V (diss) [mg/L]	0.00062	0.00104	0.00001
W (diss) [mg/L]	0.0022	0.0013	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	0.004	< 0.002

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

Revised report with QC Report added.

Catharine Arnold

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

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: EWL0308-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8023-APR24													
Sulphate	2	mg/L	<2			ND	20	103	80	120	106	75	
Conductivity - QCBatchID: EWL0308-APR24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0034-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	108	80	120	121	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0148-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	102	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	121	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	106	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	94	90	110	95	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	95	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	83	70	
Boron (dissolved)	0.002	mg/L	<0.002			6	20	97	90	110	102	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	102	70	
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	99	90	110	97	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			1	20	99	90	110	109	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			6	20	96	90	110	100	70	
Copper (dissolved)	0.001	mg/L	<0.001			1	20	97	90	110	94	70	
Iron (dissolved)	0.007	mg/L	<0.007			2	20	102	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			1	20	95	90	110	95	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	90	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	100	90	110	96	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	96	90	110	88	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	102	90	110	103	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			15	20	95	90	110	98	70	
Potassium (dissolved)	0.009	mg/L	<0.009			3	20	97	90	110	92	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			12	20	95	90	110	116	70	
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	97	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	80	70	
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	96	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	98	90	110	94	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	95	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			3	20	98	90	110	NV	70	

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)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	93	90	110	98	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			8	20	98	90	110	102	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			4	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			4	20	97	90	110	107	70	130
pH - QCBatchID: EWL0308-APR24													
pH	0.05	No unit	NA			0		101			NA		



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#1380289

11-June-2024

Date Rec. : 22 March 2024
LR Report: CA19471-MAR24
Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

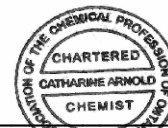
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001095-T IR01D-10040MS 01-Ksc-wa	6: ARDG-001096-T IR01D-10040MS 01-Ksc-wa	7: ARDG-001097-T IR01D-10040MS 01-Ksc-wa	8: ARDG-001098-T IR01D-10040MS 01-Ksc-wa	9: ARDG-001099-T IR01D-10040MS 01-Ksc-wa	10: ARDG-001100-T IR01D-10040MS 01-Ksc-wa	11: ARDG-001101-T IR01D-10040MS 01-Ksc-wa
Sample Date & Time					18-Mar-24	18-Mar-24	18-Mar-24	18-Mar-24	18-Mar-24	18-Mar-24	18-Mar-24
Ag [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	84000	79000	56000	73000	89000	93000	83000
As [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	51	48	10	11	170	290	13
Ba [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	560	480	520	490	590	550	490
Be [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	1.2	1.1	1.1	1.1	1.3	1.3	1.1
Bi [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	0.11	0.12	0.17	0.09	0.24	0.26	< 0.09
Ca [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	19000	18000	21000	20000	14000	14000	21000
Cd [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	0.13	0.11	0.06	0.07	0.30	0.14	0.07
Co [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	16	15	9.3	11	24	25	12
Cr [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	28	33	25	27	74	81	27
Cu [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	29	29	20	24	47	60	27
Fe [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	61000	58000	170000	85000	73000	65000	55000
K [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	15000	14000	11000	11000	20000	22000	12000
Li [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	24	23	24	24	36	38	21
Mg [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	11000	11000	10000	8900	17000	18000	8200
Mn [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	400	410	390	370	450	530	370
Mo [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	1.8	1.9	1.9	1.8	2.2	2.0	1.4
Ni [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	40	40	23	24	80	88	25
P [µg/g]	18-Apr-24	13:50	05-Jun-24	09:34	400	400	580	440	560	570	370
Pb [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	8	9	6	7	17	15	8

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001095-T Completed IR01D-10040MS Time	5: ARDG-001096-T IR01D-10040MS 01-Ksc-wa	6: ARDG-001097-T IR01D-10040MS 01-Ksc-wa	7: ARDG-001098-T IR01D-10040MS 01-Ksc-wa	8: ARDG-001099-T IR01D-10040MS 01-Ksc-wa	9: ARDG-001100-T IR01D-10040MS 01-Ksc-wa	10: ARDG-001101-T IR01D-10040MS 01-Ksc-wa	11: ARDG-001102-T IR01D-10040MS 01-Ksc-wa
Sb [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	0.2	0.2	0.3	0.2	0.3	0.4	0.3
Sn [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	270	250	260	300	130	120	310
Ti [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	2600	2600	1700	2300	3300	2600	2600
Tl [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	0.38	0.35	0.25	0.25	0.50	0.56	0.29
U [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	1.3	1.3	1.1	1.1	2.4	2.6	1.2
V [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	68	67	52	47	120	120	50
Y [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	6.0	5.5	5.9	5.3	6.9	9.5	5.0
Zn [µg/g]	18-Apr-24	13:50	18-Apr-24	11:48	70	68	54	58	150	95	66

Bulk Metals Suite
Revised report with P and QC Report added.

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



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: EMS0168-APR24													
Calcium	3	µg/g	<3			1		100			89		
Phosphorus	3	µg/g	<3			7		98			87		
Potassium	3	µg/g	<3			2		104			97		
Metals - Microwave/ICP-MS - QCBatchID: EMS0168-APR24													
Aluminum	3	µg/g	<3			6	20	102	70	130	102	70	130
Antimony	0.8	µg/g	<0.8			ND	20	105	70	130	100	70	130
Arsenic	0.5	µg/g	<0.5			2	20	101	70	130	96	70	130
Barium	0.01	µg/g	<0.01			4	20	92	70	130	110	70	130
Beryllium	0.02	µg/g	<0.02			0	20	90	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	99	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			14	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			3	20	97	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			20	20	99	70	130	95	70	130
Copper	0.1	µg/g	<0.1			13	20	98	70	130	102	70	130
Iron	3	µg/g	<3			2	20	103	70	130	95	70	130
Lead	0.05	µg/g	<0.05			9	20	95	70	130	110	70	130
Lithium	2	µg/g	<2			1	20	92	70	130	107	70	130
Magnesium	3	µg/g	<3			3	20	108	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			2	20	100	70	130	102	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	102	70	130	101	70	130
Nickel	0.1	µg/g	<0.1			2	20	101	70	130	110	70	130
Selenium	0.1	µg/g	<0.1			1	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	99	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	99	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			9	20	100	70	130	107	70	130
Vanadium	1	µg/g	<1			0	20	99	70	130	97	70	130
Yttrium	0.004	µg/g	<0.004			6	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	99	70	130	97	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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 March 2024

LR Report: CA19464-MAR24

Reference: Meliadine - PO#1380289

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-001083 -TIR01C-1003 5MS62-Kwa-s	6: ARDG-001084 -TIR01C-1003 5MS62-Kwa-s	7: ARDG-001085 -TIR01C-1003 5MS62-Kwa-s
Sample Date & Time					14-Mar-24	14-Mar-24	14-Mar-24
Paste pH [no unit]	15-Apr-24	12:09	16-Apr-24	16:22	9.11	9.05	8.86
Fizz Rate [rating]	12-Apr-24	12:18	16-Apr-24	16:22	4	4	4
Sample weight [g]	12-Apr-24	12:18	16-Apr-24	16:22	2.03	2.04	2.03
HCl_add [mL]	15-Apr-24	09:44	16-Apr-24	16:22	40.00	40.00	40.00
HCl [Normality]	14-Apr-24	11:03	16-Apr-24	16:22	0.10	0.10	0.10
NaOH [Normality]	14-Apr-24	11:03	16-Apr-24	16:22	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Apr-24	11:32	16-Apr-24	16:22	22.20	20.97	21.82
Final pH [no unit]	15-Apr-24	11:32	16-Apr-24	16:22	1.48	1.53	1.51
NP [t CaCO3/1000 t]	15-Apr-24	11:32	16-Apr-24	16:22	43.8	46.6	44.8
AP [t CaCO3/1000 t]	16-Apr-24	09:28	16-Apr-24	09:29	6.25	6.88	8.75
Net NP [t CaCO3/1000 t]	16-Apr-24	09:28	16-Apr-24	09:29	37.6	39.7	36.0
NP/AP [ratio]	16-Apr-24	09:28	16-Apr-24	09:29	7.01	6.78	5.12
S [%]	15-Apr-24	10:40	16-Apr-24	09:28	0.278	0.253	0.375
Acid Leachable SO4-S [%]	16-Apr-24	09:14	16-Apr-24	09:28	0.08	< 0.04	0.10
Sulphide [%]	16-Apr-24	09:13	16-Apr-24	09:28	0.20	0.22	0.28
C [%]	15-Apr-24	10:40	16-Apr-24	09:04	0.625	0.684	0.664
CO3 (HCl) as %CO3 [%]	16-Apr-24	07:52	16-Apr-24	09:04	2.68	3.00	2.82

Analysis	8: ARDG-001086 -TIR01C-1003 5MS62-Kwa-s	9: ARDG-001087 -TIR01C-1003 5MS62-Kwa-s	10: ARDG-001088 -TIR01C-1003 5MS62-Kwa-s	11: ARDG-001089 -TIR01C-1003 5MS62-Kwa-s
Sample Date & Time	15-Mar-24	15-Mar-24	16-Mar-24	16-Mar-24
Paste pH [no unit]	9.46	9.18	8.86	9.31
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.03	2.03	2.03	2.02
HCl_add [mL]	40.00	40.00	40.00	40.00

Analysis	8:	9:	10:	11:
	ARDG-001086	ARDG-001087	ARDG-001088	ARDG-001089
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003
	5MS62-Kwa-s	5MS62-Kwa-s	5MS62-Kwa-s	5MS62-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]	21.48	17.56	22.45	25.83
Final pH [no unit]	1.53	1.65	1.52	1.48
NP [t CaCO3/1000 t]	45.6	55.3	43.2	35.1
AP [t CaCO3/1000 t]	2.81	3.12	5.00	3.12
Net NP [t CaCO3/1000 t]	42.8	52.2	38.2	32.0
NP/AP [ratio]	16.2	17.7	8.64	11.2
S [%]	0.208	0.183	0.217	0.185
Acid Leachable SO4-S [%]	0.12	0.08	0.06	0.08
Sulphide [%]	0.09	0.10	0.16	0.10
C [%]	0.735	0.803	0.647	0.508
CO3 (HCl) as %CO3 [%]	3.09	3.60	2.74	2.09

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

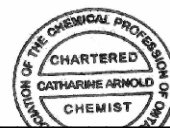
*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*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

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: ECS0049-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0050-APR24													
Carbon (total)	0.005	%	<0.005			1	20				97	70 130	
Sulphur (total)	0.005	%	<0.005			7	20				101	70 130	
Carbon/Sulphur - QCBatchID: ECS0053-APR24													
Sulphide	0.04	%	< 0.01			3	20	99	80	120			

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 22 March 2024

LR Report: CA19470-MAR24

Reference: Meliadine - PO#1380289

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-001095 ARDG-001096 ARDG-001097 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 OMS01-Ksc-w a	6: ARDG-001095 ARDG-001096 ARDG-001097 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 OMS01-Ksc-w a	7: ARDG-001095 ARDG-001096 ARDG-001097 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 OMS01-Ksc-w a
Sample Date & Time					18-Mar-24	18-Mar-24	18-Mar-24
Paste pH [no unit]	15-Apr-24	12:09	16-Apr-24	16:23	8.84	8.95	8.68
Fizz Rate [rating]	12-Apr-24	12:18	16-Apr-24	16:23	4	4	4
Sample weight [g]	12-Apr-24	12:18	16-Apr-24	16:23	2.01	1.98	2.03
HCl_add [mL]	15-Apr-24	09:44	16-Apr-24	16:23	40.00	40.00	46.00
HCl [Normality]	14-Apr-24	11:03	16-Apr-24	16:23	0.10	0.10	0.10
NaOH [Normality]	14-Apr-24	11:03	16-Apr-24	16:23	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Apr-24	11:32	16-Apr-24	16:23	15.71	15.32	20.16
Final pH [no unit]	15-Apr-24	11:32	16-Apr-24	16:23	1.80	1.84	1.69
NP [t CaCO3/1000 t]	15-Apr-24	11:32	16-Apr-24	16:23	60.4	62.3	63.6
AP [t CaCO3/1000 t]	16-Apr-24	09:29	16-Apr-24	09:29	3.75	4.38	9.06
Net NP [t CaCO3/1000 t]	16-Apr-24	09:29	16-Apr-24	09:29	56.6	57.9	54.5
NP/AP [ratio]	16-Apr-24	09:29	16-Apr-24	09:29	16.1	14.2	7.02
S [%]	15-Apr-24	10:40	16-Apr-24	09:29	0.184	0.193	0.350
Acid Leachable SO4-S [%]	16-Apr-24	09:14	16-Apr-24	09:29	0.06	0.05	0.06
Sulphide [%]	16-Apr-24	09:13	16-Apr-24	09:29	0.12	0.14	0.29
C [%]	15-Apr-24	10:40	16-Apr-24	09:04	0.997	0.944	0.975
CO3 (HCl) as %CO3 [%]	16-Apr-24	07:52	16-Apr-24	09:04	4.65	4.39	4.43

Analysis	8: ARDG-001098 ARDG-001099 ARDG-001100 ARDG-001101 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 OMS01-Ksc-w a	9: ARDG-001098 ARDG-001099 ARDG-001100 ARDG-001101 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 OMS01-Ksc-w a	10: ARDG-001098 ARDG-001099 ARDG-001100 ARDG-001101 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 OMS01-Ksc-w a	11: ARDG-001098 ARDG-001099 ARDG-001100 ARDG-001101 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 OMS01-Ksc-w a
Sample Date & Time	18-Mar-24	18-Mar-24	18-Mar-24	18-Mar-24
Paste pH [no unit]	8.88	8.78	8.68	8.78
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.03	1.99	2.00	2.00
HCl_add [mL]	47.00	40.00	40.00	40.00

Analysis	8:	9:	10:	11:
	ARDG-001098	ARDG-001099	ARDG-001100	ARDG-001101
	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004
	OMS01-Ksc-w	OMS01-Ksc-w	OMS01-Ksc-w	OMS01-Ksc-w
	a	a	a	a
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]	21.82	19.65	19.84	18.34
Final pH [no unit]	1.67	1.66	1.64	1.70
NP [t CaCO3/1000 t]	62.0	51.1	50.4	54.2
AP [t CaCO3/1000 t]	4.06	5.94	5.62	4.38
Net NP [t CaCO3/1000 t]	57.9	45.2	44.8	49.8
NP/AP [ratio]	15.3	8.61	8.96	12.4
S [%]	0.176	0.287	0.254	0.181
Acid Leachable SO4-S [%]	0.05	0.10	0.07	0.04
Sulphide [%]	0.13	0.19	0.18	0.14
C [%]	0.927	0.817	0.838	0.890
CO3 (HCl) as %CO3 [%]	4.27	3.61	3.66	4.01

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

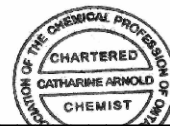
*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*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

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: ECS0049-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0050-APR24													
Carbon (total)	0.005	%	<0.005			1	20				97	70	130
Sulphur (total)	0.005	%	<0.005			7	20				101	70	130
Carbon/Sulphur - QCBatchID: ECS0053-APR24													
Sulphide	0.04	%	< 0.01			3	20	99	80	120			

**SGS Canada Inc.**

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

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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 March 2024

LR Report: CA19467-MAR24

Reference: Meliadine - PO#1380289

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-001090 -TIR01C-1003 5MS76-MV	6: ARDG-001091 -TIR01C-1003 5MS76-MV	7: ARDG-001092 -TIR01C-1003 5MS76-MV
Sample Date & Time					17-Mar-24	17-Mar-24	17-Mar-24
Paste pH [no unit]	15-Apr-24	12:09	16-Apr-24	16:23	8.94	8.24	8.93
Fizz Rate [rating]	12-Apr-24	12:18	16-Apr-24	16:23	4	4	4
Sample weight [g]	12-Apr-24	12:18	16-Apr-24	16:23	1.98	2.00	2.01
HCl_add [mL]	15-Apr-24	09:44	16-Apr-24	16:23	212.80	216.80	200.00
HCl [Normality]	14-Apr-24	11:03	16-Apr-24	16:23	0.10	0.10	0.10
NaOH [Normality]	14-Apr-24	11:03	16-Apr-24	16:23	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Apr-24	11:32	16-Apr-24	16:23	33.85	31.17	53.31
Final pH [no unit]	15-Apr-24	11:32	16-Apr-24	16:23	1.68	1.74	1.71
NP [t CaCO3/1000 t]	15-Apr-24	11:32	16-Apr-24	16:23	452	464	365
AP [t CaCO3/1000 t]	12-Apr-24	12:18	16-Apr-24	16:23	3.44	5.00	1.88
Net NP [t CaCO3/1000 t]	12-Apr-24	12:18	16-Apr-24	16:23	448	459	363
NP/AP [ratio]	12-Apr-24	12:18	16-Apr-24	16:23	131	92.8	195
S [%]	12-Apr-24	11:48	12-Apr-24	13:55	0.202	0.265	0.099
Acid Leachable SO4-S [%]	12-Apr-24	13:51	12-Apr-24	13:55	0.09	0.10	< 0.04
Sulphide [%]	12-Apr-24	13:49	12-Apr-24	13:55	0.11	0.16	0.06
C [%]	12-Apr-24	11:48	12-Apr-24	13:55	2.85	2.96	2.77
CO3 (HCl) as %CO3 [%]	15-Apr-24	06:58	15-Apr-24	08:53	13.9	14.4	13.4

Analysis	8: ARDG-001093 -TIR01C-1003 5MS76-MV	9: ARDG-001094 -TIR01C-1003 5MS76-MV
Sample Date & Time	17-Mar-24	18-Mar-24
Paste pH [no unit]	8.70	8.94
Fizz Rate [rating]	4	4
Sample weight [g]	2.02	2.00
HCl_add [mL]	240.20	209.60

Analysis	8:	9:
	ARDG-001093	ARDG-001094
	-TIR01C-1003	-TIR01C-1003
	5MS76-MV	5MS76-MV
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
Vol NaOH to pH=8.3 [mL]	43.38	51.96
Final pH [no unit]	1.70	1.65
NP [t CaCO ₃ /1000 t]	487	394
AP [t CaCO ₃ /1000 t]	1.88	1.88
Net NP [t CaCO ₃ /1000 t]	485	392
NP/AP [ratio]	260	210
S [%]	0.102	0.108
Acid Leachable SO ₄ -S [%]	0.04	0.05
Sulphide [%]	0.06	0.06
C [%]	3.74	2.55
CO ₃ (HCl) as %CO ₃ [%]	18.2	12.2

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

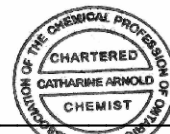
*Net NP (Net Neutralization Potential) = NP-AP

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



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: ECS0033-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0044-APR24													
Carbon (total)	0.005	%	<0.005			2	20				97	70	13
Sulphur (total)	0.005	%	<0.005			4	20				93	70	13
Carbon/Sulphur - QCBatchID: ECS0045-APR24													
Sulphide	0.04	%	< 0.01			5	20	96	80	120			

**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

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Date Rec. : 22 March 2024

LR Report: CA19472-MAR24

Reference: Meliadine - PO#1380289

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-001095 ARDG-001096 ARDG-001097 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 0MS01-Ksc-w a	6: ARDG-001095 ARDG-001096 ARDG-001097 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 0MS01-Ksc-w a	7: ARDG-001095 ARDG-001096 ARDG-001097 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 0MS01-Ksc-w a
Sample Date & Time					18-Mar-24	18-Mar-24	18-Mar-24
Sample weight [g]	12-Apr-24	13:11	16-Apr-24	16:25	250	249	251
Volume D.I. Water [mL]	14-Apr-24	09:30	16-Apr-24	16:25	750	750	750
pH [no unit]	15-Apr-24	09:24	16-Apr-24	16:25	9.03	9.05	8.99
pH [No unit]	15-Apr-24	15:22	16-Apr-24	11:39	8.30	8.28	8.30
Conductivity [uS/cm]	15-Apr-24	15:22	16-Apr-24	11:39	252	256	268
Alkalinity [mg/L as CaCO3]	15-Apr-24	15:22	16-Apr-24	11:39	63	63	62
SO4 [mg/L]	15-Apr-24	19:37	16-Apr-24	13:46	18	19	19
Hg (diss) [mg/L]	15-Apr-24	16:57	16-Apr-24	11:31	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.575	0.582	0.527
As (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.0096	0.0110	0.0043
Ba (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.00441	0.00398	0.00553
B (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.018	0.018	0.019
Be (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	11.7	12.2	12.6
Cd (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.000005	0.000004	0.000004
Co (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.000021	0.000023	0.000016
Cr (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	15.8	16.3	14.6
Li (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.0016	0.0016	0.0015
Mg (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	3.97	4.22	4.33
Mn (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.00189	0.00193	0.00192
Mo (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.0095	0.0092	0.0096
Na (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	22.8	23.1	25.4
Ni (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.0002	0.0002	0.0001

Online LIMS

0003749630

SGS Canada Inc.

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Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19472-MAR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001095 ARDG-001095 -TIR01D-1004 OMS01-Ksc-w a	6: ARDG-001096 ARDG-001096 -TIR01D-1004 OMS01-Ksc-w a	7: ARDG-001097 ARDG-001097 -TIR01D-1004 OMS01-Ksc-w a
Pb (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.0019	0.0023	0.0010
Se (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.00030	0.00029	0.00029
Si (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	1.34	1.37	1.36
Sn (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.0651	0.0592	0.0926
Ti (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.000010	0.000012	0.000006
U (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.000121	0.000116	0.000112
V (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.00042	0.00049	0.00028
W (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	0.00198	0.00190	0.00258
Y (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:15	< 0.002	< 0.002	< 0.002

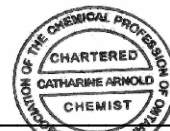
Analysis	8: ARDG-001098 ARDG-001098 -TIR01D-1004 OMS01-Ksc-w a	9: ARDG-001099 ARDG-001099 -TIR01D-1004 OMS01-Ksc-w a	10: ARDG-001100 ARDG-001100 -TIR01D-1004 OMS01-Ksc-w a	11: ARDG-001101 ARDG-001101 -TIR01D-1004 OMS01-Ksc-w a
Sample Date & Time	18-Mar-24	18-Mar-24	18-Mar-24	18-Mar-24
Sample weight [g]	250	249	250	251
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.87	8.98	8.87	8.76
pH [No unit]	8.32	8.24	8.18	8.20
Conductivity [uS/cm]	284	279	337	305
Alkalinity [mg/L as CaCO3]	63	60	61	58
SO4 [mg/L]	31	23	43	50
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]	0.382	0.473	0.477	0.471
As (diss) [mg/L]	0.0012	0.0323	0.0426	0.0049
Ba (diss) [mg/L]	0.00980	0.00275	0.00317	0.00506
B (diss) [mg/L]	0.016	0.019	0.034	0.017
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]	16.5	13.6	14.7	16.2
Cd (diss) [mg/L]	0.000005	0.000003	0.000005	0.000004
Co (diss) [mg/L]	0.000014	0.000032	0.000050	0.000032
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	15.0	21.5	21.4	13.6
Li (diss) [mg/L]	0.0024	0.0011	0.0015	0.0013
Mg (diss) [mg/L]	6.16	4.73	5.63	5.42

Analysis	8:	9:	10:	11:
	ARDG-001098	ARDG-001099	ARDG-001100	ARDG-001101
	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004
	OMS01-Ksc-w	OMS01-Ksc-w	OMS01-Ksc-w	OMS01-Ksc-w
	a	a	a	a
Mn (diss) [mg/L]	0.00312	0.00167	0.00418	0.00346
Mo (diss) [mg/L]	0.0099	0.0091	0.0086	0.0074
Na (diss) [mg/L]	19.6	20.3	29.3	26.1
Ni (diss) [mg/L]	0.0002	0.0002	0.0004	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00011	< 0.00009
Sb (diss) [mg/L]	< 0.0009	0.0029	0.0022	0.0017
Se (diss) [mg/L]	0.00032	0.00020	0.00040	0.00062
Si (diss) [mg/L]	1.23	1.27	1.30	1.41
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.140	0.0463	0.0473	0.0962
Ti (diss) [mg/L]	< 0.0001	< 0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	0.000007	0.000008	0.000009	0.000008
U (diss) [mg/L]	0.000160	0.000119	0.000410	0.000450
V (diss) [mg/L]	0.00015	0.00047	0.00054	0.00031
W (diss) [mg/L]	0.00182	0.00140	0.00212	0.00175
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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

Revised report with QC Report added.

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



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: EWL0356-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8032-APR24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	105	75	125
Conductivity - QCBatchID: EWL0356-APR24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0035-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	97	80	120	114	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0162-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	95	90	110	95	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	110	90	110	106	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	101	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	95	90	110	102	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	116	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	87	70	130
Boron (dissolved)	0.002	mg/L	<0.002			9	20	101	90	110	104	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	101	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	97	90	110	98	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			9	20	98	90	110	100	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	94	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			5	20	92	90	110	98	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	100	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	94	90	110	102	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			6	20	96	90	110	109	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	101	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	97	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	102	90	110	105	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			0	20	92	90	110	99	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	103	90	110	108	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	100	90	110	99	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			4	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	99	90	110	89	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	97	90	110	102	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	96	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			0	20	94	90	110	98	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	93	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			1	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	96	90	110	108	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	94	90	110	106	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	92	90	110	129	70	130
pH - QCBatchID: EWL0356-APR24													
pH	0.05	No unit	NA			0		101			NA		

**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

Project : PO#1380289

17-June-2024

Date Rec. : 28 March 2024
 LR Report: CA19497-MAR24
 Reference: Meliadine - PO#1380289

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-000966 -TIR01C-1004 5MS65-UO_re -run	6: ARDG-000968 -TIR01C-1004 5MS65-UO_re -run	7: ARDG-000971- TIR01C-10045 MS66-Kmg_re- run
Sample Date & Time					26-Jan-24	26-Jan-24	01-Feb-24
Paste pH [no unit]	05-Apr-24	09:02	09-Apr-24	14:53	7.38	7.90	8.21
Fizz Rate [rating]	05-Apr-24	09:02	09-Apr-24	14:53	3	3	3
Sample weight [g]	05-Apr-24	09:02	09-Apr-24	14:53	2.03	2.00	2.04
HCl_add [mL]	09-Apr-24	06:50	09-Apr-24	14:53	39.10	49.00	51.40
HCl [Normality]	08-Apr-24	08:24	09-Apr-24	14:53	0.10	0.10	0.10
NaOH [Normality]	08-Apr-24	08:24	09-Apr-24	14:53	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Apr-24	11:50	09-Apr-24	14:53	13.55	20.66	19.30
Final pH [no unit]	09-Apr-24	08:27	09-Apr-24	14:53	1.80	1.64	1.81
NP [t CaCO3/1000 t]	09-Apr-24	11:50	09-Apr-24	14:53	62.9	70.8	78.7
AP [t CaCO3/1000 t]	09-Apr-24	11:50	09-Apr-24	14:53	225	151	116
Net NP [t CaCO3/1000 t]	09-Apr-24	11:50	09-Apr-24	14:53	-162.41	-79.82	-37.24
NP/AP [ratio]	09-Apr-24	11:50	09-Apr-24	14:53	0.28	0.47	0.68
S [%]	04-Apr-24	12:50	05-Apr-24	09:01	7.00	5.24	3.83
Acid Leachable SO4-S [%]	05-Apr-24	08:27	05-Apr-24	09:01	< 0.04	0.42	< 0.04
Sulphide [%]	05-Apr-24	08:25	05-Apr-24	09:01	7.21	4.82	3.71
C [%]	04-Apr-24	12:50	05-Apr-24	09:00	4.38	3.71	2.62
CO3 (HCl) as %CO3 [%]	05-Apr-24	08:01	05-Apr-24	09:00	5.01	5.36	5.41

Analysis	8: ARDG-000972- TIR01C-10045 MS66-Kmg_re- run	9: ARDG-000984 -TIR01C-1004 5MS71-MV_re -run
Sample Date & Time	01-Feb-24	06-Feb-24
Paste pH [no unit]	8.42	7.76
Fizz Rate [rating]	3	3

Analysis	8:	9:
	ARDG-000972- ARDG-000984	
	TIR01C-10045 -TIR01C-1004	
	MS66-Kmg_re- 5MS71-MV_re	
	run	-run
Sample weight [g]	2.02	2.03
HCl_add [mL]	38.90	60.50
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
Vol NaOH to pH=8.3 [mL]	18.85	22.63
Final pH [no unit]	1.57	1.67
NP [t CaCO3/1000 t]	49.6	93.3
AP [t CaCO3/1000 t]	62.8	180
Net NP [t CaCO3/1000 t]	-13.21	-86.39
NP/AP [ratio]	0.79	0.52
S [%]	2.18	6.56
Acid Leachable SO4-S [%]	< 0.04	0.81
Sulphide [%]	2.01	5.75
C [%]	1.53	3.93
CO3 (HCl) as %CO3 [%]	3.58	6.48

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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.

Revised report with QC Report added.

Catharine Arnold

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

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: ECS0019-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			5	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0020-APR24													
Carbon (total)	0.005	%	<0.005			1	20				98	70 130	
Sulphur (total)	0.005	%	<0.005			5	20				103	70 130	
Carbon/Sulphur - QCBatchID: ECS0022-APR24													
Sulphide	0.04	%	< 0.01			2	20	112	80	120			



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mel

Project : PO#1380289

11-June-2024

Date Rec. : 28 March 2024

LR Report: CA19498-MAR24

Reference: Meliadine - PO#1380289

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-000966-TI R01C-10045MS6 5-UO_re-run	6: ARDG-000968-TI R01C-10045MS6 5-UO_re-run	7: ARDG-000971-TI R01C-10045MS6 6-Kmg_re-run	8: ARDG-000972-TI R01C-10045MS6 6-Kmg_re-run	9: ARDG-000984-T R01C-10045MS 71-MV_re-run
Sample Date & Time					26-Jan-24	26-Jan-24	01-Feb-24	01-Feb-24	06-Feb-24
Ag [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	0.9	< 0.5	< 0.5	< 0.5	0.6
Al [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	69000	71000	59000	42000	62000
As [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	3400	3200	24000	20000	6700
Ba [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	180	220	240	350	180
Be [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	1.9	1.8	1.5	1.2	1.1
Bi [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	1.8	1.2	1.3	1.6	1.8
Ca [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	14000	18000	20000	13000	30000
Cd [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	11	5.9	1.1	0.85	1.7
Co [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	53	58	55	30	79
Cr [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	110	91	180	220	100
Cu [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	410	260	410	210	320
Fe [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	89000	79000	70000	44000	110000
K [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	30000	28000	21000	16000	14000
Li [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	14	17	18	12	40
Mg [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	9200	9400	11000	6900	14000
Mn [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	480	460	460	290	730
Mo [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	7.0	5.3	4.3	4.2	5.7
Ni [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	140	95	94	60	100
P [µg/g]	08-Apr-24	13:32	05-Jun-24	09:33	510	540	390	350	580
Pb [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	45	36	40	46	59

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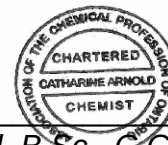
Project : PO#1380289

LR Report : CA19498-MAR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000966-TI R01C-10045MS6 5-UO_re-run	6: ARDG-000968-TI R01C-10045MS6 5-UO_re-run	7: ARDG-000971-TI R01C-10045MS6 6-Kmg_re-run	8: ARDG-000972-TI R01C-10045MS6 6-Kmg_re-run	9: ARDG-000984-T R01C-10045MS 71-MV_re-run
Sb [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	3.4	2.9	6.1	4.4	5.0
Se [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	4.8	3.3	2.8	1.8	3.8
Sn [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	7	< 6	< 6	< 6	< 6
Sr [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	110	150	96	72	88
Ti [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	700	1000	560	520	1200
Tl [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	2.2	1.9	1.3	0.96	1.0
U [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	1.6	1.4	1.3	1.2	1.3
V [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	98	86	86	78	160
Y [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	7.2	5.6	6.0	4.5	9.2
Zn [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	4200	2200	460	220	780

Bulk Metals Suite
Revised report with P and QC Report added.

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



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: EMS0054-APR24													
Calcium	3	µg/g	<3			0		106			92		
Phosphorus	3	µg/g	<3			1		103			91		
Potassium	3	µg/g	<3			10		109			70		
Metals - Microwave/ICP-MS - QCBatchID: EMS0054-APR24													
Aluminum	3	µg/g	<3			5	20	92	70	130	98	70	130
Antimony	0.8	µg/g	<0.8			ND	20	99	70	130	105	70	130
Arsenic	0.5	µg/g	<0.5			2	20	102	70	130	106	70	130
Barium	0.01	µg/g	<0.01			0	20	99	70	130	116	70	130
Beryllium	0.02	µg/g	<0.02			0	20	95	70	130	91	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	93	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	99	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	97	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			0	20	97	70	130	96	70	130
Copper	0.1	µg/g	<0.1			5	20	100	70	130	105	70	130
Iron	3	µg/g	<3			2	20	105	70	130	102	70	130
Lead	0.05	µg/g	<0.05			0	20	98	70	130	109	70	130
Lithium	2	µg/g	<2			0	20	98	70	130	112	70	130
Magnesium	3	µg/g	<3			3	20	102	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			2	20	97	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			4	20	94	70	130	99	70	130
Nickel	0.1	µg/g	<0.1			1	20	99	70	130	112	70	130
Selenium	0.1	µg/g	<0.1			9	20	95	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	103	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	98	70	130	104	70	130
Thallium	0.02	µg/g	<0.02			0	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	105	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			5	20	94	70	130	96	70	130
Vanadium	1	µg/g	<1			2	20	102	70	130	102	70	130
Yttrium	0.004	µg/g	<0.004			6	20	96	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	102	70	130	102	70	130



Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

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

Works #: Waste Rock OP TIR01
Project : PO#1380289

19-June-2024

Date Rec. : 28 March 2024
LR Report: CA19502-MAR24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Revised

[illegible]

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: EMS0168-APR24													
Calcium	3	µg/g	<3			1		100			89		
Phosphorus	3	µg/g	<3			7		98			87		
Potassium	3	µg/g	<3			2		104			97		
Metals - Microwave/ICP-MS - QCBatchID: EMS0168-APR24													
Aluminum	3	µg/g	<3			6	20	102	70	130	102	70	130
Antimony	0.8	µg/g	<0.8			ND	20	105	70	130	100	70	130
Arsenic	0.5	µg/g	<0.5			2	20	101	70	130	96	70	130
Barium	0.01	µg/g	<0.01			4	20	92	70	130	110	70	130
Beryllium	0.02	µg/g	<0.02			0	20	90	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	99	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			14	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			3	20	97	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			20	20	99	70	130	95	70	130
Copper	0.1	µg/g	<0.1			13	20	98	70	130	102	70	130
Iron	3	µg/g	<3			2	20	103	70	130	95	70	130
Lead	0.05	µg/g	<0.05			9	20	95	70	130	110	70	130
Lithium	2	µg/g	<2			1	20	92	70	130	107	70	130
Magnesium	3	µg/g	<3			3	20	108	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			2	20	100	70	130	102	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	102	70	130	101	70	130
Nickel	0.1	µg/g	<0.1			2	20	101	70	130	110	70	130
Selenium	0.1	µg/g	<0.1			1	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	99	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	99	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			9	20	100	70	130	107	70	130
Vanadium	1	µg/g	<1			0	20	99	70	130	97	70	130
Yttrium	0.004	µg/g	<0.004			6	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	99	70	130	97	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 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
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mel

Project : PO#1380289

17-June-2024

Date Rec. : 28 March 2024
 LR Report: CA19499-MAR24
 Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-000966 Completed -TIR01C-1004 Time 5MS65-UO_re	5: ARDG-000968 -TIR01C-1004 5MS65-UO_re -run	6: ARDG-000971- TIR01C-1004 MS66-Kmg_re- run	7:
Sample Date & Time					26-Jan-24	26-Jan-24	01-Feb-24
Sample weight [g]	04-Apr-24	07:00	05-Apr-24	16:12	250	250	252
Volume D.I. Water [mL]	04-Apr-24	07:15	05-Apr-24	16:12	750	750	750
pH [no unit]	05-Apr-24	06:49	05-Apr-24	16:12	7.42	7.83	8.22
pH [No unit]	05-Apr-24	16:16	08-Apr-24	15:28	7.77	7.89	7.80
Conductivity [uS/cm]	05-Apr-24	16:16	08-Apr-24	15:28	1480	1240	703
Alkalinity [mg/L as CaCO3]	05-Apr-24	16:16	08-Apr-24	15:28	47	55	43
SO4 [mg/L]	08-Apr-24	17:28	08-Apr-24	20:16	510	400	160
Hg (diss) [mg/L]	08-Apr-24	10:22	09-Apr-24	09:39	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.00024	0.00042	0.00008
Al (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.021	0.040	0.182
As (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.0074	0.0085	0.351
Ba (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.0233	0.0222	0.00805
B (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.063	0.052	0.055
Be (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	< 0.000007	< 0.000007	0.000007
Bi (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	124	118	47.9
Cd (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.00212	0.000739	0.000088
Co (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.00344	0.00146	0.000205
Cr (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	< 0.001	0.001	0.002
Fe (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	36.2	34.9	22.1
Li (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.0154	0.0121	0.0078
Mg (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	50.7	36.9	15.2
Mn (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.579	0.247	0.0410
Mo (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.0137	0.0207	0.0125
Na (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	98.6	67.0	48.6

Online LIMS

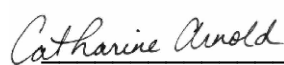
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Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000966 -TIR01C-1004 5MS65-UO_re -run	6: ARDG-000968 -TIR01C-1004 5MS65-UO_re -run	7: ARDG-000971- TIR01C-10045 MS66-Kmg_re- run
Ni (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.0052	0.0021	0.0009
Pb (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	< 0.00009	< 0.00009	0.00021
Sb (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.0013	0.0014	0.0049
Se (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.0165	0.0105	0.00339
Si (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	2.07	1.74	1.69
Sn (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.313	0.411	0.118
Ti (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.000089	0.000080	0.000040
U (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.000330	0.000660	0.000741
V (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.00005	0.00006	0.00056
W (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.0017	0.0037	0.0120
Y (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	08-Apr-24	12:07	09-Apr-24	17:30	0.145	0.041	< 0.002

Analysis	8: ARDG-000972- TIR01C-10045 MS66-Kmg_re- run	9: ARDG-000984 -TIR01C-1004 5MS71-MV_re -run	10: ARDG-000984 -TIR01C-1004 5MS71-MV_re -run	11:BLK: \$D.I. Leachate Blank
Sample Date & Time	01-Feb-24	06-Feb-24		
Sample weight [g]	249	250	251	---
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.32	8.01	8.02	6.01
pH [No unit]	7.85	8.00	7.97	6.03
Conductivity [uS/cm]	588	1090	1130	4
Alkalinity [mg/L as CaCO3]	41	65	65	< 2
SO4 [mg/L]	110	320	340	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	0.00006	0.00020	0.00019	< 0.00005
Al (diss) [mg/L]	0.228	0.061	0.055	0.004
As (diss) [mg/L]	0.405	0.0291	0.0279	< 0.0002
Ba (diss) [mg/L]	0.00627	0.0127	0.0128	< 0.00008
B (diss) [mg/L]	0.051	0.063	0.065	< 0.002
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]	35.0	82.2	85.8	0.03
Cd (diss) [mg/L]	0.000030	0.000097	0.000102	< 0.000003
Co (diss) [mg/L]	0.000088	0.000396	0.000446	< 0.000004
Cr (diss) [mg/L]	0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	0.001	0.002	0.002	< 0.001
Fe (diss) [mg/L]	< 0.007	0.007	< 0.007	< 0.007

Analysis	8: ARDG-000972- TIR01C-10045 MS66-Kmg_re- run	9: ARDG-000984 -TIR01C-1004 5MS71-MV_re -run	10: ARDG-000984 -TIR01C-1004 5MS71-MV_re -run	11:BLK: \$D.I. Leachate Blank
K (diss) [mg/L]	21.3	24.4	25.8	0.046
Li (diss) [mg/L]	0.0065	0.0115	0.0123	< 0.0001
Mg (diss) [mg/L]	12.8	29.4	30.7	0.003
Mn (diss) [mg/L]	0.0238	0.0928	0.0972	0.00035
Mo (diss) [mg/L]	0.0142	0.0174	0.0177	< 0.0004
Na (diss) [mg/L]	44.5	82.8	87.1	0.02
Ni (diss) [mg/L]	0.0006	0.0011	0.0012	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0047	0.0029	0.0030	< 0.0009
Se (diss) [mg/L]	0.00271	0.00548	0.00600	< 0.00004
Si (diss) [mg/L]	1.90	1.50	1.53	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0859	0.229	0.238	0.00015
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000032	0.000033	0.000034	< 0.000005
U (diss) [mg/L]	0.00112	0.000361	0.000359	0.000002
V (diss) [mg/L]	0.00097	0.00016	0.00014	0.00001
W (diss) [mg/L]	0.0220	0.0011	0.0011	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	0.004	0.009	< 0.002

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



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

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: EWL0149-APR24													
Alkalinity	2	mg/L as Ca	< 2			1	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5029-APR24													
Sulphate	2	mg/L	<2			5	20	111	80	120	113	75	
Conductivity - QCBatchID: EWL0149-APR24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0016-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			5	20	91	80	120	88	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0071-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			5	20	103	90	110	117	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			6	20	97	90	110	111	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			1	20	106	90	110	102	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	103	90	110	102	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	97	90	110	99	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	97	70	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	105	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	107	90	110	109	70	
Calcium (dissolved)	0.01	mg/L	<0.01			8	20	102	90	110	92	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	109	90	110	106	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	105	90	110	98	70	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	108	90	110	98	70	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	104	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	100	90	110	95	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			1	20	100	90	110	128	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	98	90	110	102	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	107	90	110	103	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	93	90	110	91	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			1	20	99	90	110	82	70	
Potassium (dissolved)	0.009	mg/L	<0.009			3	20	99	90	110	96	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	101	90	110	125	70	
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	97	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	103	90	110	83	70	
Sodium (dissolved)	0.01	mg/L	<0.01			4	20	101	90	110	108	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			5	20	104	90	110	99	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			0	20	101	90	110	96	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			8	20	95	90	110	NV	70	

mel

Project : PO#1380289

LR Report : CA19499-MAR24

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)	0.0001	mg/L	<0.0001			17	20	93	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	103	90	110	102	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			4	20	108	90	110	107	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	99	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	108	90	110	94	70	130
pH - QCBatchID: EWL0149-APR24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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 March 2024

LR Report: CA19501-MAR24

Reference: Meliadine - PO#1380289

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-001102-T IR01C-10035MS 63-Kwa-s	6: ARDG-001103-T IR01C-10035MS 63-Kwa-s	7: ARDG-001104-T IR01C-10035MS 63-Kwa-s
Sample Date & Time					19-Mar-24	19-Mar-24	19-Mar-24
Paste pH [no unit]	16-Apr-24	07:28	18-Apr-24	16:17	8.97	9.07	8.88
Fizz Rate [rating]	16-Apr-24	14:25	18-Apr-24	16:17	4	4	4
Sample weight [g]	16-Apr-24	07:28	18-Apr-24	16:17	2.01	2.02	2.03
HCl_add [mL]	18-Apr-24	09:30	18-Apr-24	16:17	40.00	40.00	40.00
HCl [Normality]	17-Apr-24	09:30	18-Apr-24	16:17	0.10	0.10	0.10
NaOH [Normality]	17-Apr-24	09:30	18-Apr-24	16:17	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	18-Apr-24	09:49	18-Apr-24	16:17	21.30	20.97	20.72
Final pH [no unit]	18-Apr-24	09:30	18-Apr-24	16:17	1.48	1.47	1.51
NP [t CaCO3/1000 t]	18-Apr-24	09:49	18-Apr-24	16:17	46.5	47.1	47.5
AP [t CaCO3/1000 t]	18-Apr-24	09:49	18-Apr-24	16:17	4.69	5.00	4.06
Net NP [t CaCO3/1000 t]	18-Apr-24	09:49	18-Apr-24	16:17	41.8	42.1	43.4
NP/AP [ratio]	18-Apr-24	09:49	18-Apr-24	16:17	9.92	9.42	11.7
S [%]	12-Apr-24	11:48	12-Apr-24	13:55	0.262	0.216	0.207
Acid Leachable SO4-S [%]	12-Apr-24	13:51	12-Apr-24	13:55	0.11	0.06	0.08
Sulphide [%]	12-Apr-24	13:49	12-Apr-24	13:55	0.15	0.16	0.13
C [%]	12-Apr-24	11:48	12-Apr-24	13:55	0.696	0.725	0.737
CO3 (HCl) as %CO3 [%]	15-Apr-24	06:58	15-Apr-24	08:53	3.04	3.17	3.22

Analysis	8: ARDG-001105-T IR01C-10035MS 63-Kwa-s	9: ARDG-001106-T IR01C-10035MS 63-Kwa-s	10: ARDG-001107-T IR01C-10035MS 63-Kwa-s	11: ARDG-001108-T IR01C-10035MS 63-Kwa-s
Sample Date & Time	19-Mar-24	20-Mar-24	20-Mar-24	20-Mar-24
Paste pH [no unit]	9.26	9.05	8.90	9.37
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	1.99	2.02	2.00	2.04
HCl_add [mL]	40.00	40.00	40.00	40.00
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]	25.50	21.28	18.15	23.44
Final pH [no unit]	1.53	1.65	1.65	1.47

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19501-MAR24

Analysis	8:	9:	10:	11:
	ARDG-001105-T	ARDG-001106-T	ARDG-001107-T	ARDG-001108-T
	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS
	63-Kwa-s	63-Kwa-s	63-Kwa-s	63-Kwa-s
NP [t CaCO ₃ /1000 t]	36.4	46.3	54.6	40.6
AP [t CaCO ₃ /1000 t]	2.81	4.38	7.19	2.81
Net NP [t CaCO ₃ /1000 t]	33.6	41.9	47.4	37.8
NP/AP [ratio]	12.9	10.6	7.60	14.4
S [%]	0.231	0.283	0.337	0.229
Acid Leachable SO ₄ -S [%]	0.14	0.14	0.11	0.14
Sulphide [%]	0.09	0.14	0.23	0.09
C [%]	0.538	0.724	0.867	0.636
CO ₃ (HCl) as %CO ₃ [%]	2.28	3.13	3.79	2.64

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0033-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0044-APR24													
Carbon (total)	0.005	%	<0.005			2	20				97	70 130	
Sulphur (total)	0.005	%	<0.005			4	20				93	70 130	
Carbon/Sulphur - QCBatchID: ECS0045-APR24													
Sulphide	0.04	%	< 0.01			5	20	96	80	120			



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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#1380289

20-June-2024

Date Rec. : 28 March 2024
LR Report: CA19503-MAR24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed	5: ARDG-001102 -TIR01C-1003 Time	6: ARDG-001103 -TIR01C-1003 5MS63-Kwa-s	7: ARDG-001104 -TIR01C-1003 5MS63-Kwa-s	8: ARDG-001105 -TIR01C-1003 5MS63-Kwa-s	9: ARDG-001106 -TIR01C-1003 5MS63-Kwa-s	10: ARDG-001107 -TIR01C-1003 5MS63-Kwa-s
Sample Date & Time					19-Mar-24	19-Mar-24	19-Mar-24	19-Mar-24	20-Mar-24	20-Mar-24
Sample weight [g]	12-Apr-24	13:11	16-Apr-24	16:25	250	251	250	251	249	251
Volume D.I. Water [mL]	14-Apr-24	09:30	16-Apr-24	16:25	750	750	750	750	750	750
pH [no unit]	15-Apr-24	09:24	16-Apr-24	16:25	9.17	9.24	9.24	9.34	9.26	9.19
pH [No unit]	15-Apr-24	13:49	16-Apr-24	11:39	8.37	8.40	8.60	8.39	8.35	8.33
Conductivity [uS/cm]	15-Apr-24	13:49	16-Apr-24	11:39	250	203	319	197	252	265
Alkalinity [mg/L as CaCO3]	15-Apr-24	13:49	16-Apr-24	11:39	52	51	61	54	59	52
SO4 [mg/L]	15-Apr-24	19:37	16-Apr-24	13:46	25	21	21	13	16	38
Hg (diss) [mg/L]	15-Apr-24	16:57	16-Apr-24	11:31	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.619	0.638	0.554	0.798	0.634	0.554
As (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.0297	0.0350	0.0880	0.0550	0.0469	0.0190
Ba (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.00288	0.00266	0.00312	0.00152	0.00200	0.00358
B (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.012	0.013	0.018	0.012	0.012	0.015
Be (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.000007	0.000008	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001102 -TIR01C-1003 5MS63-Kwa-s	6: ARDG-001103 -TIR01C-1003 5MS63-Kwa-s	7: ARDG-001104 -TIR01C-1003 5MS63-Kwa-s	8: ARDG-001105 -TIR01C-1003 5MS63-Kwa-s	9: ARDG-001106 -TIR01C-1003 5MS63-Kwa-s	10: ARDG-001107 -TIR01C-1003 5MS63-Kwa-s
Ca (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	9.78	9.30	9.69	7.09	9.25	11.7
Cd (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.000004	< 0.000003	0.000003	< 0.000003	0.000004	< 0.000003
Co (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.000018	0.000021	0.000028	0.000011	0.000024	0.000025
Cr (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.012	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	18.2	16.5	21.5	20.4	20.4	20.0
Li (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.0013	0.0012	0.0012	0.0011	0.0012	0.0016
Mg (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	3.66	3.37	3.84	2.00	3.80	4.90
Mn (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.00119	0.00100	0.00122	0.00061	0.00143	0.00226
Mo (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.0059	0.0051	0.0087	0.0052	0.0091	0.0073
Na (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	23.1	21.7	33.5	16.8	22.4	28.4
Ni (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.0001	< 0.0001	0.0002	0.0001	0.0001	< 0.0001
Pb (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.0030	0.0035	0.0058	0.0053	0.0057	0.0023
Se (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.00035	0.00035	0.00031	0.00026	0.00076	0.00074
Si (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	1.77	1.71	1.63	1.50	1.63	1.73
Sn (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.0511	0.0482	0.0516	0.0313	0.0456	0.0650
Ti (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001
Tl (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.000013	0.000011	0.000006	0.000007	0.000007	0.000013
U (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.000127	0.000135	0.000127	0.000086	0.000120	0.000382
V (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.00178	0.00181	0.00163	0.00220	0.00172	0.00130
W (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	0.0035	0.0027	0.0022	0.0019	0.0029	0.0042
Y (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	17-Apr-24	09:24	17-Apr-24	15:16	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



SGS Canada Inc.

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mel
Works #:

Project :

LR Report :

Waste Rock OP TIR01

PO#1380289

CA19503-MAR24

Analysis	11: ARDG-001108 -TIR01C-1003 5MS63-Kwa-s	12: ARDG-001108 -TIR01C-1003 5MS63-Kwa-s	13:BLK: \$D.I. Leachate Blank
Sample Date & Time	20-Mar-24		
Sample weight [g]	250	250	---
Volume D.I. Water [mL]	750	750	750
pH [no unit]	9.38	9.42	5.64
pH [No unit]	8.46	8.54	5.90
Conductivity [uS/cm]	190	168	2
Alkalinity [mg/L as CaCO ₃]	56	56	< 2
SO ₄ [mg/L]	7	6	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.814	0.836	< 0.001
As (diss) [mg/L]	0.0314	0.0347	< 0.0002
Ba (diss) [mg/L]	0.00223	0.00246	< 0.00008
B (diss) [mg/L]	0.013	0.013	< 0.002
Be (diss) [mg/L]	< 0.000007	0.000770	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	6.55	6.62	0.06
Cd (diss) [mg/L]	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000015	0.000014	0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	18.7	18.5	0.027
Li (diss) [mg/L]	0.0014	0.0012	< 0.0001
Mg (diss) [mg/L]	2.03	1.98	0.009
Mn (diss) [mg/L]	0.00058	0.00060	0.00015
Mo (diss) [mg/L]	0.0067	0.0067	< 0.0004
Na (diss) [mg/L]	19.6	18.4	0.01

Analysis	11: ARDG-001108 -TIR01C-1003 5MS63-Kwa-s	12: ARDG-001108 -TIR01C-1003 5MS63-Kwa-s	13:BLK: \$D.I. Leachate Blank
Ni (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0071	0.0070	< 0.0009
Se (diss) [mg/L]	0.00022	0.00025	< 0.00004
Si (diss) [mg/L]	1.72	1.67	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0316	0.0322	0.00025
Ti (diss) [mg/L]	0.0003	0.0003	< 0.0001
Tl (diss) [mg/L]	0.000006	0.000005	< 0.000005
U (diss) [mg/L]	0.000211	0.000229	< 0.000002
V (diss) [mg/L]	0.00230	0.00241	< 0.00001
W (diss) [mg/L]	0.0026	0.0026	< 0.0002
Y (diss) [mg/L]	0.00003	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0351-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	98	80	120	NA		
Alkalinity - QCBatchID: EWL0356-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8032-APR24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	105	75	125
Conductivity - QCBatchID: EWL0351-APR24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Conductivity - QCBatchID: EWL0356-APR24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0035-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	97	80	120	114	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0162-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	95	90	110	95	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	110	90	110	106	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	101	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	95	90	110	102	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	116	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	87	70	130
Boron (dissolved)	0.002	mg/L	<0.002			9	20	101	90	110	104	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	101	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	97	90	110	98	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			9	20	98	90	110	100	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	94	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			5	20	92	90	110	98	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	100	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	94	90	110	102	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			6	20	96	90	110	109	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	101	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	97	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	102	90	110	105	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			0	20	92	90	110	99	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	103	90	110	108	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	100	90	110	99	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			4	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	99	90	110	89	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	97	90	110	102	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	96	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			0	20	94	90	110	98	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	93	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			1	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	96	90	110	108	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	94	90	110	106	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	92	90	110	129	70	130
pH - QCBatchID: EWL0351-APR24													
pH	0.05	No unit	NA			0		101			NA		
pH - QCBatchID: EWL0356-APR24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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 April 2024

LR Report: CA19619-APR24

Reference: Meliadine - PO#1380289

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-001109 -TIR01C-1003 5MS78-MV	6: ARDG-001110 -TIR01C-1003 5MS78-MV	7: ARDG-001111 -TIR01C-1003 5MS78-ksc-w a
Sample Date & Time					23-Mar-24	23-Mar-24	24-Mar-24
Sample weight [g]	10-Apr-24	07:03	11-Apr-24	12:08	251	250	249
Volume D.I. Water [mL]	10-Apr-24	07:54	11-Apr-24	12:08	750	750	750
pH [no unit]	11-Apr-24	08:18	11-Apr-24	12:08	9.24	8.77	8.88
pH [No unit]	11-Apr-24	11:06	12-Apr-24	11:49	8.36	8.48	8.56
Conductivity [uS/cm]	11-Apr-24	11:06	12-Apr-24	11:49	145	320	294
Alkalinity [mg/L as CaCO3]	11-Apr-24	11:06	12-Apr-24	11:49	43	86	87
SO4 [mg/L]	15-Apr-24	15:39	15-Apr-24	19:32	23	58	42
Hg (diss) [mg/L]	12-Apr-24	15:34	15-Apr-24	13:12	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.261	0.375	0.386
As (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.0043	0.0074	0.0349
Ba (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.00025	0.00063	0.00058
B (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.007	0.016	0.012
Be (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	8.40	16.4	14.6
Cd (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.000003	0.000003	0.000005
Co (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.000083	0.000078	0.000123
Cr (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.020	< 0.007	< 0.007
K (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	3.46	8.35	9.71
Li (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.0019	0.0031	0.0029
Mg (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	4.71	11.3	11.6
Mn (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.00506	0.00584	0.00597
Mo (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.0024	0.0067	0.0072
Na (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	10.7	26.8	21.6
Ni (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.0002	0.0002	0.0005

Online LIMS

0003749658

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19619-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001109 -TIR01C-1003 5MS78-MV	6: ARDG-001110 -TIR01C-1003 5MS78-MV	7: ARDG-001111 -TIR01C-1003 5MS78-ksc-w a
Pb (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.0027	0.0059	0.0057
Se (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.00102	0.00257	0.00263
Si (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.57	1.16	1.28
Sn (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.00889	0.0242	0.0199
Ti (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.000005	0.000007	0.000011
U (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.000081	0.000095	0.000319
V (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.00039	0.00051	0.00080
W (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.00052	0.00110	0.00229
Y (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	0.00002	0.00004	0.00002
Zn (diss) [mg/L]	12-Apr-24	12:00	16-Apr-24	16:12	< 0.002	< 0.002	< 0.002

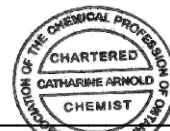
Analysis	8: ARDG-001112 -TIR01C-1003 5MS78-ksc-w a	9: ARDG-001113 -TIR01C-1003 5MS78-kwa-s c	10: ARDG-001113 -TIR01C-1003 5MS78-kwa-s c	11:BLK: \$D.I. Leachate Blank
Sample Date & Time	25-Mar-24	26-Mar-24		
Sample weight [g]	251	249	252	---
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.99	9.30	9.31	5.66
pH [No unit]	8.53	8.87	8.93	5.69
Conductivity [uS/cm]	223	229	240	5
Alkalinity [mg/L as CaCO3]	72	58	65	< 2
SO4 [mg/L]	12	8	9	< 2
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]	0.459	0.691	0.743	0.043
As (diss) [mg/L]	0.0035	0.252	0.255	< 0.0002
Ba (diss) [mg/L]	0.00060	0.00145	0.00204	0.00015
B (diss) [mg/L]	0.016	0.026	0.025	0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.00151
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	11.5	7.82	7.99	0.07
Cd (diss) [mg/L]	< 0.000003	0.000005	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000018	0.000019	0.000086	0.000258
Cr (diss) [mg/L]	< 0.00008	0.00009	0.00041	0.00012
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	0.002
Fe (diss) [mg/L]	< 0.007	< 0.007	0.028	0.069
K (diss) [mg/L]	4.98	20.0	20.4	0.020
Li (diss) [mg/L]	0.0027	0.0009	0.0010	0.0004
Mg (diss) [mg/L]	6.49	2.98	3.04	0.001

Analysis	8: ARDG-001112 -TIR01C-1003 5MS78-ksc-w a	9: ARDG-001113 -TIR01C-1003 5MS78-kwa-s c	10: ARDG-001113 -TIR01C-1003 5MS78-kwa-s c	11:BLK: \$D.I. Leachate Blank
Mn (diss) [mg/L]	0.00255	0.00074	0.00201	0.00012
Mo (diss) [mg/L]	0.0026	0.0092	0.0095	< 0.0004
Na (diss) [mg/L]	23.6	21.4	22.5	< 0.01
Ni (diss) [mg/L]	< 0.0001	< 0.0001	0.0005	0.0003
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00032	0.00018
Sb (diss) [mg/L]	< 0.0009	0.0035	0.0035	< 0.0009
Se (diss) [mg/L]	0.00019	0.00021	0.00027	< 0.00004
Si (diss) [mg/L]	1.06	1.65	1.80	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0188	0.0249	0.0255	0.00018
Ti (diss) [mg/L]	< 0.0001	0.0002	0.0007	0.0002
Tl (diss) [mg/L]	0.000005	0.000013	0.000017	< 0.000005
U (diss) [mg/L]	0.000412	0.00110	0.000718	0.000465
V (diss) [mg/L]	0.00055	0.00265	0.00273	< 0.00001
W (diss) [mg/L]	0.00155	0.00440	0.00428	< 0.0002
Y (diss) [mg/L]	0.00004	0.00022	0.00022	0.00009
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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

Revised report with QC Report added.

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



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: EWL0268-APR24													
Alkalinity	2	mg/L as Ca	< 2			3	20	96	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8029-APR24													
Sulphate	2	mg/L	<2			ND	20	102	80	120	105	75	125
Conductivity - QCBatchID: EWL0268-APR24													
Conductivity	2	uS/cm	2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0029-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	103	80	120	88	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0124-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	99	90	110	71	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	97	90	110	100	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	90	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	102	90	110	94	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			9	20	97	90	110	82	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	100	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	96	90	110	90	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			15	20	100	90	110	102	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			4	20	102	90	110	94	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	103	90	110	91	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	100	90	110	76	70	130
Copper (dissolved)	0.001	mg/L	<0.001			0	20	104	90	110	103	70	130
Iron (dissolved)	0.007	mg/L	<0.007			1	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			1	20	99	90	110	96	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			7	20	97	90	110	113	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			4	20	101	90	110	91	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	103	90	110	106	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	99	90	110	90	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			2	20	103	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	101	90	110	92	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			1	20	93	90	110	95	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	90	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	101	90	110	93	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			4	20	103	90	110	97	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			5	20	98	90	110	90	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	98	90	110	91	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	101	90	110	90	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			1	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			2	20	103	90	110	75	70	130
pH - QCBatchID: EWL0268-APR24													
pH	0.05	No unit	NA			0		101			NA		

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

17-June-2024

Date Rec. : 02 April 2024
LR Report: CA19617-APR24
Reference: Meliadine - PO#1380289

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-001109 -TIR01C-1003 5MS78-MV	6: ARDG-001110 -TIR01C-1003 5MS78-MV	7: ARDG-001111 -TIR01C-1003 5MS78-ksc-w a	8: ARDG-001112 -TIR01C-1003 5MS78-ksc-w a	9: ARDG-001113 -TIR01C-1003 5MS78-kwa-s c
Sample Date & Time					23-Mar-24	23-Mar-24	24-Mar-24	25-Mar-24	26-Mar-24
Paste pH [no unit]	10-Apr-24	06:28	12-Apr-24	10:45	8.80	8.80	8.80	8.95	9.07
Fizz Rate [rating]	10-Apr-24	07:35	12-Apr-24	10:45	4	4	4	4	4
Sample weight [g]	10-Apr-24	06:28	12-Apr-24	10:45	2.02	2.01	2.04	2.02	2.01
HCl_add [mL]	11-Apr-24	10:33	12-Apr-24	10:45	175.60	166.00	211.60	152.50	60.20
HCl [Normality]	10-Apr-24	10:15	12-Apr-24	10:45	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	10-Apr-24	10:15	12-Apr-24	10:45	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	11-Apr-24	10:33	12-Apr-24	10:45	61.39	55.24	72.37	48.65	29.09
Final pH [no unit]	11-Apr-24	10:33	12-Apr-24	10:45	1.67	1.70	1.64	1.69	1.49
NP [t CaCO3/1000 t]	11-Apr-24	10:33	12-Apr-24	10:45	283	276	341	257	77.4
AP [t CaCO3/1000 t]	11-Apr-24	10:33	12-Apr-24	10:45	8.12	6.88	8.44	6.25	4.38
Net NP [t CaCO3/1000 t]	11-Apr-24	10:33	12-Apr-24	10:45	275	269	333	251	73.0
NP/AP [ratio]	11-Apr-24	10:33	12-Apr-24	10:45	34.8	40.1	40.5	41.1	17.7
S [%]	09-Apr-24	09:46	10-Apr-24	09:11	0.307	0.321	0.412	0.247	0.205
Acid Leachable SO4-S [%]	10-Apr-24	08:09	10-Apr-24	09:11	0.05	0.10	0.14	0.05	0.06
Sulphide [%]	10-Apr-24	08:08	10-Apr-24	09:11	0.26	0.22	0.27	0.20	0.14



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19617-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001109 -TIR01C-1003 5MS78-MV	6: ARDG-001110 -TIR01C-1003 5MS78-MV	7: ARDG-001111 -TIR01C-1003 5MS78-ksc-w a	8: ARDG-001112 -TIR01C-1003 5MS78-ksc-w a	9: ARDG-001113 -TIR01C-1003 5MS78-kwa-s c
C [%]	09-Apr-24	09:46	10-Apr-24	09:11	4.07	4.06	4.64	3.73	1.17
CO3 (HCl) as %CO3 [%]	10-Apr-24	09:48	10-Apr-24	10:39	19.8	19.8	22.7	18.1	5.18

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

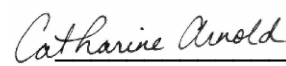
*AP (Acid Potential) = % Sulphide Sulphur $\times 31.25$

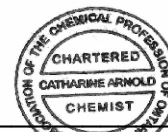
*Net NP (Net Neutralization Potential) = NP-AP

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



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: ECS0027-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0028-APR24													
Carbon (total)	0.005	%	<0.005			0	20				98	70	13
Sulphur (total)	0.005	%	<0.005			6	20				104	70	13
Carbon/Sulphur - QCBatchID: ECS0032-APR24													
Sulphide	0.04	%	< 0.01			11	20	109	80	120			



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#1380289

19-June-2024

Date Rec. : 02 April 2024
LR Report: CA19618-APR24
Reference: Meliadine - PO#1380289

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-001109-T IR01C-10035MS 78-MV	6: ARDG-001110-T IR01C-10035MS 78-MV	7: ARDG-001111-TI R01C-10035MS7 8-ksc-wa	8: ARDG-001112-TI R01C-10035MS7 8-ksc-wa	9: ARDG-001113-T IR01C-10035MS 78-kwa-sc
Sample Date & Time					23-Mar-24	23-Mar-24	24-Mar-24	25-Mar-24	26-Mar-24
Ag [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	79000	78000	71000	93000	85000
As [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	73	77	150	37	710
Ba [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	150	160	140	110	570
Be [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	0.55	0.60	0.65	0.48	1.3
Bi [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	< 0.09	< 0.09	< 0.09	< 0.09	0.17
Ca [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	84000	83000	110000	93000	20000
Cd [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	0.16	0.16	0.15	0.19	0.14
Co [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	47	42	48	59	22
Cr [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	120	110	100	120	84
Cu [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	97	97	120	130	52
Fe [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	72000	72000	68000	92000	36000
K [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	9700	10000	12000	6900	23000
Li [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	55	50	41	88	29
Mg [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	27000	27000	26000	38000	17000
Mn [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	1800	1900	2400	2100	470
Mo [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	0.5	1.1	0.6	1.0	2.1
Ni [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	120	120	130	150	79
P [µg/g]	18-Apr-24	13:50	05-Jun-24	09:36	220	240	190	260	560
Pb [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	7	8	7	6	18

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001109-T IR01C-10035MS 78-MV	6: ARDG-001110-T IR01C-10035MS 78-MV	7: ARDG-001111-TI R01C-10035MS7 8-ksc-wa	8: ARDG-001112-TI R01C-10035MS7 8-ksc-wa	9: ARDG-001113-T IR01C-10035MS 78-kwa-sc
Sb [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	0.9	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	0.6	0.5	0.8	0.5	0.4
Sn [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	140	150	150	170	180
Ti [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	3800	3700	2600	2600	940
Tl [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	0.55	0.58	0.58	0.32	1.1
U [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	0.14	0.25	0.18	0.13	2.35
V [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	220	220	200	270	91
Y [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	12	12	8.2	6.8	7.6
Zn [µg/g]	18-Apr-24	13:50	18-Apr-24	11:51	99	96	83	110	110

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite



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

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: EMS0168-APR24													
Calcium	3	µg/g	<3			1		100			89		
Phosphorus	3	µg/g	<3			7		98			87		
Potassium	3	µg/g	<3			2		104			97		
Metals - Microwave/ICP-MS - QCBatchID: EMS0168-APR24													
Aluminum	3	µg/g	<3			6	20	102	70	130	102	70	130
Antimony	0.8	µg/g	<0.8			ND	20	105	70	130	100	70	130
Arsenic	0.5	µg/g	<0.5			2	20	101	70	130	96	70	130
Barium	0.01	µg/g	<0.01			4	20	92	70	130	110	70	130
Beryllium	0.02	µg/g	<0.02			0	20	90	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	99	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			14	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			3	20	97	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			20	20	99	70	130	95	70	130
Copper	0.1	µg/g	<0.1			13	20	98	70	130	102	70	130
Iron	3	µg/g	<3			2	20	103	70	130	95	70	130
Lead	0.05	µg/g	<0.05			9	20	95	70	130	110	70	130
Lithium	2	µg/g	<2			1	20	92	70	130	107	70	130
Magnesium	3	µg/g	<3			3	20	108	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			2	20	100	70	130	102	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	102	70	130	101	70	130
Nickel	0.1	µg/g	<0.1			2	20	101	70	130	110	70	130
Selenium	0.1	µg/g	<0.1			1	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	99	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	99	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			9	20	100	70	130	107	70	130
Vanadium	1	µg/g	<1			0	20	99	70	130	97	70	130
Yttrium	0.004	µg/g	<0.004			6	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	99	70	130	97	70	130



SGS Canada Inc.

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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#1380289

20-June-2024

Date Rec. : 15 April 2024
LR Report: CA19701-APR24
Reference: Meliadine - PO#1380289

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-001132 -TIR01D-1004 OMS02-MV	6: ARDG-001133 -TIR01D-1004 OMS02-Ksc	7: ARDG-001134 -TIR01D-1004 OMS02-Ksc	8: ARDG-001135 -TIR01D-1004 OMS02-KMG	9: ARDG-001136 -TIR01D-1004 OMS02-Ksc	10: ARDG-001137 -TIR01D-1004 OMS02-MV
Sample Date & Time					06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24
Sample weight [g]	23-Apr-24	06:33	24-Apr-24	09:14	250	250	251	252	250	250
Volume D.I. Water [mL]	23-Apr-24	07:38	24-Apr-24	09:14	750	750	750	750	750	750
pH [no unit]	24-Apr-24	07:22	24-Apr-24	09:14	8.79	8.71	8.76	8.81	8.81	8.91
pH [No unit]	24-Apr-24	13:01	26-Apr-24	09:37	8.09	8.06	8.08	8.13	8.03	8.11
Conductivity [uS/cm]	24-Apr-24	13:01	26-Apr-24	09:37	280	283	280	235	295	154
Alkalinity [mg/L as CaCO3]	24-Apr-24	13:01	26-Apr-24	09:37	54	61	61	60	62	53
SO4 [mg/L]	03-May-24	10:36	09-May-24	15:42	39	19	24	23	26	11
Hg (diss) [mg/L]	25-Apr-24	11:41	25-Apr-24	14:49	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.559	0.482	0.479	0.610	0.447	0.624
As (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0093	0.0067	0.0088	0.0125	0.0172	0.0010
Ba (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00302	0.00375	0.00374	0.00308	0.00375	0.0193
B (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.053	0.032	0.035	0.035	0.045	0.015
Be (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Online LIMS



SGS Canada Inc.

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Lakefield - Ontario - KOL 2HO

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19701-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001132 -TIR01D-1004 OMS02-MV	6: ARDG-001133 -TIR01D-1004 OMS02-Ksc	7: ARDG-001134 -TIR01D-1004 OMS02-Ksc	8: ARDG-001135 -TIR01D-1004 OMS02-KMG	9: ARDG-001136 -TIR01D-1004 OMS02-Ksc	10: ARDG-001137 -TIR01D-1004 OMS02-MV
Ca (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	12.5	13.5	13.1	11.9	13.6	9.48
Cd (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.000005	0.000004	< 0.000003	0.000003	0.000005	< 0.000003
Co (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.000020	0.000021	0.000026	0.000099	0.000021	0.000015
Cr (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00011	< 0.00008	< 0.00008	0.00049	< 0.00008	< 0.00008
Cu (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.009	< 0.007	< 0.007	0.226	< 0.007	< 0.007
K (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	10.6	14.3	15.8	7.51	15.6	7.69
Li (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0013	0.0011	0.0010	0.0019	0.0011	0.0012
Mg (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	3.53	4.07	4.14	4.66	4.51	2.54
Mn (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00270	0.00160	0.00128	0.00926	0.00170	0.00196
Mo (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0077	0.0079	0.0083	0.0046	0.0113	0.0020
Na (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	34.7	31.1	30.7	27.5	29.8	15.8
Ni (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0002	0.0002	0.0002	0.0005	0.0002	0.0001
Pb (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0031	0.0014	0.0020	0.0021	0.0024	0.0014
Se (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00058	0.00021	0.00025	0.00041	0.00025	0.00024
Si (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	1.34	1.21	1.21	1.34	1.28	1.18
Sn (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00009	0.00007	0.00008	0.00009	< 0.00006	< 0.00006
Sr (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0456	0.0600	0.0592	0.0387	0.0482	0.0322
Ti (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.0001	< 0.0001	< 0.0001	0.0008	0.0001	< 0.0001
Tl (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.000009	0.000023	0.000011	0.000010	0.000012	0.000008
U (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.000073	0.000070	0.000083	0.000040	0.000152	0.000007
V (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00089	0.00026	0.00028	0.00101	0.00033	0.00089
W (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00110	0.00107	0.00138	0.00140	0.00143	0.00048
Y (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00002	< 0.00002	< 0.00002	0.00004	< 0.00002	< 0.00002
Zn (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: ARDG-001138 -TIR01D-1004 OMS02-MV	12: ARDG-001139 -TIR01D-1004 OMS02-MV	13: ARDG-001139 -TIR01D-1004 OMS02-MV	14:BLK: SD.I. Leachate Blank
Sample Date & Time	06-Apr-24	06-Apr-24		
Sample weight [g]	251	250	251	---
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.74	8.86	8.87	5.65
pH [No unit]	8.21	8.24	8.37	5.54
Conductivity [uS/cm]	261	217	213	< 2
Alkalinity [mg/L as CaCO3]	80	70	66	< 2
SO4 [mg/L]	36	10	11	< 2
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]	0.408	0.514	0.523	0.002
As (diss) [mg/L]	0.0028	0.0010	0.0010	< 0.0002
Ba (diss) [mg/L]	0.0117	0.00104	0.00090	0.00009
B (diss) [mg/L]	0.033	0.013	0.013	< 0.002
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]	13.2	11.2	11.3	0.02
Cd (diss) [mg/L]	0.000004	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000037	0.000031	0.000027	0.000008
Cr (diss) [mg/L]	< 0.00008	0.00009	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.021	< 0.007	< 0.007
K (diss) [mg/L]	8.30	9.39	9.48	0.058
Li (diss) [mg/L]	0.0024	0.0021	0.0020	< 0.0001
Mg (diss) [mg/L]	8.03	6.11	6.12	0.002
Mn (diss) [mg/L]	0.00339	0.00360	0.00327	0.00021
Mo (diss) [mg/L]	0.0065	0.0030	0.0020	< 0.0004
Na (diss) [mg/L]	27.9	16.9	17.2	0.07
Ni (diss) [mg/L]	0.0001	0.0002	0.0001	0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009

Analysis	11: ARDG-001138 -TIR01D-1004 OMS02-MV	12: ARDG-001139 -TIR01D-1004 OMS02-MV	13: ARDG-001139 -TIR01D-1004 OMS02-MV	14:BLK: SD.I. Leachate Blank
Sb (diss) [mg/L]	0.0034	< 0.0009	< 0.0009	< 0.0009
Se (diss) [mg/L]	0.00048	0.00025	0.00026	< 0.00004
Si (diss) [mg/L]	1.36	1.12	1.16	< 0.02
Sn (diss) [mg/L]	0.00007	0.00008	< 0.00006	0.00007
Sr (diss) [mg/L]	0.0505	0.0215	0.0207	0.00009
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000006	0.000020	0.000018	< 0.000005
U (diss) [mg/L]	0.000025	0.000046	0.000007	< 0.000002
V (diss) [mg/L]	0.00061	0.00061	0.00061	< 0.00001
W (diss) [mg/L]	0.00156	0.00082	0.00077	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0587-APR24													
Alkalinity	2	mg/L as Ca	< 2			1	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8006-MAY24													
Sulphate	2	mg/L	<2			0	20	103	80	120	94	75 125	
Anions by discrete analyzer - QCBatchID: DIO8018-MAY24													
Sulphate	2	mg/L	<2			ND	20	102	80	120	101	75 125	
Conductivity - QCBatchID: EWL0587-APR24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0048-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	86	80	120	102	70 130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0258-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	95	90	110	97	70 130	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	99	90	110	119	70 130	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			3	20	98	90	110	93	70 130	
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	98	90	110	88	70 130	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	100	70 130	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	98	70 130	
Boron (dissolved)	0.002	mg/L	<0.002			10	20	104	90	110	100	70 130	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	100	70 130	
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	101	90	110	97	70 130	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	108	90	110	97	70 130	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	99	90	110	91	70 130	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	86	70 130	
Iron (dissolved)	0.007	mg/L	<0.007			0	20	105	90	110	100	70 130	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	94	70 130	
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	96	70 130	
Magnesium (dissolved)	0.001	mg/L	<0.001			5	20	103	90	110	84	70 130	
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	99	90	110	97	70 130	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	108	90	110	97	70 130	
Nickel (dissolved)	0.0001	mg/L	<0.0001			15	20	105	90	110	95	70 130	
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	99	90	110	84	70 130	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	99	90	110	106	70 130	
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	101	90	110	NV	70 130	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	97	90	110	83	70 130	
Sodium (dissolved)	0.01	mg/L	<0.01			13	20	99	90	110	89	70 130	
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	95	90	110	88	70 130	

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	99	90	110	91	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			16	20	106	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			4	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	106	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			11	20	100	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	100	90	110	82	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	104	90	110	107	70	130
pH - QCBatchID: EWL0587-APR24													
pH	0.05	No unit	NA			0		101			NA		

**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#1380289

20-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 15 April 2024

LR Report: CA19702-APR24

Reference: Meliadine - PO#1380289

Copy: #2

Phone: (819) 759-3555

Fax:(819) 759-3663

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-001140-T IR01C-10035MS 82-MV	6: ARDG-001141-T IR01C-10035MS 82-MV	7: ARDG-001142-T IR01C-10035MS 82-MV	8: ARDG-001143-T IR01C-10035MS 82-MV
Sample Date & Time					07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24
Paste pH [no unit]	25-Apr-24	21:15	26-Apr-24	09:29	8.85	8.85	9.11	8.83
Fizz Rate [rating]	24-Apr-24	15:09	26-Apr-24	09:29	3	3	3	3
Sample weight [g]	23-Apr-24	20:05	26-Apr-24	09:29	2.00	2.01	1.99	2.02
HCl_add [mL]	25-Apr-24	13:40	26-Apr-24	09:29	148.20	145.40	165.10	73.30
HCl [Normality]	23-Apr-24	15:48	26-Apr-24	09:29	0.10	0.10	0.10	0.10
NaOH [Normality]	23-Apr-24	15:48	26-Apr-24	09:29	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25-Apr-24	21:31	26-Apr-24	09:29	56.46	53.08	61.22	17.41
Final pH [no unit]	25-Apr-24	15:32	26-Apr-24	09:29	1.60	1.55	1.60	1.78
NP [t CaCO3/1000 t]	25-Apr-24	21:31	26-Apr-24	09:29	229	230	261	138
AP [t CaCO3/1000 t]	26-Apr-24	09:29	26-Apr-24	09:29	4.38	3.44	2.50	2.19
Net NP [t CaCO3/1000 t]	26-Apr-24	09:29	26-Apr-24	09:29	225	226	258	136
NP/AP [ratio]	26-Apr-24	09:29	26-Apr-24	09:29	52.4	66.8	104	63.2
S [%]	24-Apr-24	10:53	25-Apr-24	11:25	0.144	0.146	0.141	0.100
Acid Leachable SO4-S [%]	25-Apr-24	11:21	25-Apr-24	11:25	< 0.04	< 0.04	0.06	< 0.04
Sulphide [%]	25-Apr-24	11:16	25-Apr-24	11:25	0.14	0.11	0.08	0.07
C [%]	24-Apr-24	10:53	25-Apr-24	09:16	3.26	2.94	3.68	1.74
CO3 (HCl) as %CO3 [%]	25-Apr-24	08:36	25-Apr-24	09:16	15.7	14.2	17.9	8.29

Analysis	9: ARDG-001144-T IR01C-10035MS 82-MV	10: ARDG-001145-T IR01C-10035MS 82-MV	11: ARDG-001146-T IR01C-10035MS 82-MV	12: ARDG-001147-T IR01C-10035MS 82-MV	13: ARDG-001148-T IR01C-10035MS 82-MV	14: ARDG-001149-T IR01C-10035MS 82-MV	15: ARDG-001150-T IR01C-10035MS 82-MV	16: ARDG-001151-T IR01C-10035MS 82-MV
Sample Date & Time	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24
Paste pH [no unit]	8.83	8.78	8.83	8.95	8.81	8.88	8.87	8.99
Fizz Rate [rating]	3	3	3	3	3	3	3	3
Sample weight [g]	1.99	2.02	2.02	2.01	2.01	2.02	1.99	2.00
HCl_add [mL]	122.10	215.40	173.10	136.90	152.10	146.20	144.40	137.00
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]	46.34	76.64	35.29	52.49	46.73	46.64	44.32	30.99
Final pH [no unit]	1.52	1.53	1.81	1.53	1.56	1.54	1.54	1.65
NP [t CaCO3/1000 t]	190	344	341	210	262	246	252	265
AP [t CaCO3/1000 t]	3.44	7.81	7.50	7.50	6.56	7.19	6.56	4.06
Net NP [t CaCO3/1000 t]	187	336	334	202	256	239	245	261
NP/AP [ratio]	55.4	44.0	45.5	28.0	39.9	34.3	38.3	65.2
S [%]	0.237	0.397	0.341	0.243	0.320	0.243	0.260	0.202

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19702-APR24

Analysis	9:	10:	11:	12:	13:	14:	15:	16:
	ARDG-001144-T	ARDG-001145-T	ARDG-001146-T	ARDG-001147-T	ARDG-001148-T	ARDG-001149-T	ARDG-001150-T	ARDG-001151-T
	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS
	82-MV	82-MV	82-MV	82-MV	82-MV	82-MV	82-MV	82-MV
Acid Leachable SO ₄ -S [%]	0.13	0.15	0.10	< 0.04	0.11	< 0.04	0.05	0.07
Sulphide [%]	0.11	0.25	0.24	0.24	0.21	0.23	0.21	0.13
C [%]	2.39	4.28	4.25	2.61	3.07	2.91	2.87	3.54
CO ₃ (HCl) as %CO ₃ [%]	11.5	20.8	20.7	12.7	14.8	14.0	13.8	17.2

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0086-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0087-APR24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	
Sulphur (total)	0.005	%	<0.005			5	20				98	70	
Carbon/Sulphur - QCBatchID: ECS0089-APR24													
Sulphide	0.04	%	< 0.01			1	20	109	80	120			



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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#1380289

20-June-2024

Date Rec. : 15 April 2024
LR Report: CA19704-APR24
Reference: Meliadine - PO#1380289

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-001140 -TIR01C-1003 5MS82-MV	6: ARDG-001141 -TIR01C-1003 5MS82-MV	7: ARDG-001142 -TIR01C-1003 5MS82-MV	8: ARDG-001143 -TIR01C-1003 5MS82-MV	9: ARDG-001144 -TIR01C-1003 5MS82-MV	10: ARDG-001145 -TIR01C-1003 5MS82-MV
Sample Date & Time					07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24
Sample weight [g]	23-Apr-24	06:33	24-Apr-24	09:14	250	250	251	250	250	249
Volume D.I. Water [mL]	23-Apr-24	07:38	24-Apr-24	09:14	750	750	750	750	750	750
pH [no unit]	24-Apr-24	07:22	24-Apr-24	09:14	8.71	8.82	8.88	9.00	9.05	8.67
pH [No unit]	24-Apr-24	13:01	26-Apr-24	09:38	8.19	8.08	8.46	7.97	7.78	8.08
Conductivity [uS/cm]	24-Apr-24	13:01	26-Apr-24	09:38	201	153	225	101	123	200
Alkalinity [mg/L as CaCO3]	24-Apr-24	13:01	26-Apr-24	09:38	74	53	82	31	36	55
SO4 [mg/L]	03-May-24	09:25	09-May-24	15:42	12	8	19	5	8	15
Hg (diss) [mg/L]	25-Apr-24	11:41	25-Apr-24	14:49	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.341	0.574	0.548	0.626	0.616	0.458
As (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0007	0.0035	0.0746	0.0020	0.0055	0.0164
Ba (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00066	0.00056	0.00069	0.00078	0.00815	0.00083
B (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.014	0.013	0.020	0.011	0.014	0.019
Be (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007



SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19704-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001140 -TIR01C-1003 5MS82-MV	6: ARDG-001141 -TIR01C-1003 5MS82-MV	7: ARDG-001142 -TIR01C-1003 5MS82-MV	8: ARDG-001143 -TIR01C-1003 5MS82-MV	9: ARDG-001144 -TIR01C-1003 5MS82-MV	10: ARDG-001145 -TIR01C-1003 5MS82-MV
Bi (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	13.0	10.9	9.00	10.2	10.4	16.0
Cd (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003
Co (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.000013	0.000012	0.000054	0.000012	0.000033	0.000037
Cr (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00008	< 0.00008	< 0.00008	0.00012	< 0.00008	0.00010
Cu (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.007	< 0.007	< 0.007	0.022	< 0.007	0.009
K (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	2.53	4.02	6.50	0.443	0.694	4.50
Li (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0020	0.0012	0.0017	0.0009	0.0008	0.0015
Mg (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	8.04	3.34	5.66	2.29	2.46	4.59
Mn (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00310	0.00208	0.00214	0.00155	0.00144	0.00715
Mo (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0035	0.0047	0.0041	0.0043	0.0049	0.0051
Na (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	18.3	16.2	30.4	7.74	12.3	16.9
Ni (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0001	0.0001	0.0004	0.0002	0.0001	0.0003
Pb (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.0009	0.0021	0.0061	0.0038	0.0042	0.0030
Se (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00033	0.00017	0.00050	0.00007	0.00012	0.00037
Si (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	1.26	1.08	1.48	1.21	1.23	1.06
Sn (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00006	< 0.00006	0.00009	< 0.00006	0.00008	0.00009
Sr (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.0246	0.0209	0.0186	0.0291	0.0276	0.0224
Ti (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.000005	< 0.000005	0.000006	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.000008	0.000005	0.000034	0.000003	0.000004	0.000031
V (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00050	0.00073	0.00163	0.00112	0.00140	0.00054
W (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	0.00100	0.00092	0.00279	0.00208	0.00235	0.00177
Y (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	26-Apr-24	14:15	29-Apr-24	14:35	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11:	12:	13:	14:	15:	16:
	ARDG-001146	ARDG-001147	ARDG-001148	ARDG-001149	ARDG-001150	ARDG-001151
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003
	5MS82-MV	5MS82-MV	5MS82-MV	5MS82-MV	5MS82-MV	5MS82-MV
Sample Date & Time	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24
Sample weight [g]	250	251	249	251	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	8.75	8.92	8.81	8.90	8.91	8.79
pH [No unit]	8.00	7.96	8.03	8.02	8.08	8.26
Conductivity [uS/cm]	179	167	166	159	154	219
Alkalinity [mg/L as CaCO3]	50	46	50	45	45	86
SO4 [mg/L]	12	12	13	10	8	19
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]	0.533	0.495	0.524	0.582	0.581	0.327
As (diss) [mg/L]	0.0270	0.0011	0.0006	0.0007	0.0008	0.0028
Ba (diss) [mg/L]	0.00064	0.00114	0.00090	0.00087	0.00096	0.00052
B (diss) [mg/L]	0.014	0.020	0.012	0.017	0.016	0.011
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]	13.9	9.83	12.9	10.6	10.5	12.5
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000039	0.000015	0.000022	0.000010	0.000017	0.000022
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	5.70	5.78	5.54	7.14	6.68	4.64
Li (diss) [mg/L]	0.0011	0.0009	0.0013	0.0011	0.0012	0.0024
Mg (diss) [mg/L]	3.42	2.28	3.40	2.33	2.38	10.7
Mn (diss) [mg/L]	0.00543	0.00108	0.00251	0.00187	0.00175	0.00239
Mo (diss) [mg/L]	0.0036	0.0031	0.0030	0.0024	0.0023	0.0033
Na (diss) [mg/L]	15.1	19.7	13.4	15.6	15.2	17.0

Analysis	11: ARDG-001146 -TIR01C-1003 5MS82-MV	12: ARDG-001147 -TIR01C-1003 5MS82-MV	13: ARDG-001148 -TIR01C-1003 5MS82-MV	14: ARDG-001149 -TIR01C-1003 5MS82-MV	15: ARDG-001150 -TIR01C-1003 5MS82-MV	16: ARDG-001151 -TIR01C-1003 5MS82-MV
Ni (diss) [mg/L]	0.0003	0.0002	0.0001	0.0001	0.0001	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0036	0.0011	< 0.0009	< 0.0009	< 0.0009	0.0009
Se (diss) [mg/L]	0.00047	0.00015	0.00020	0.00017	0.00016	0.00073
Si (diss) [mg/L]	1.12	1.04	1.07	1.04	1.04	1.36
Sn (diss) [mg/L]	0.00008	0.00008	< 0.00006	0.00007	0.00011	< 0.00006
Sr (diss) [mg/L]	0.0200	0.0271	0.0349	0.0245	0.0272	0.0193
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	0.000009	0.000006	0.000008	0.000008	< 0.000005
U (diss) [mg/L]	0.000018	0.000009	0.000017	0.000008	0.000025	0.000006
V (diss) [mg/L]	0.00090	0.00079	0.00058	0.00078	0.00080	0.00059
W (diss) [mg/L]	0.00210	0.00107	0.00316	0.00129	0.00127	0.00124
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0587-APR24													
Alkalinity	2	mg/L as Ca	< 2			1	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8005-MAY24													
Sulphate	2	mg/L	<2			0	20	101	80	120	116	75	125
Anions by discrete analyzer - QCBatchID: DIO8018-MAY24													
Sulphate	2	mg/L	<2			ND	20	102	80	120	101	75	125
Conductivity - QCBatchID: EWL0587-APR24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0048-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	86	80	120	102	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0258-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	95	90	110	97	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	99	90	110	119	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			3	20	98	90	110	93	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	98	90	110	88	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	100	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	98	70	130
Boron (dissolved)	0.002	mg/L	<0.002			10	20	104	90	110	100	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	100	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	101	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	108	90	110	97	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	99	90	110	91	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	86	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	105	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	94	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	96	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			5	20	103	90	110	84	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	99	90	110	97	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	108	90	110	97	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			15	20	105	90	110	95	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	99	90	110	84	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	99	90	110	106	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	101	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	97	90	110	83	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			13	20	99	90	110	89	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	95	90	110	88	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	99	90	110	91	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			16	20	106	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			4	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	106	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			11	20	100	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	100	90	110	82	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	104	90	110	107	70	130
pH - QCBatchID: EWL0587-APR24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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. : 15 April 2024

LR Report: CA19699-APR24

Reference: Meliadine - PO#1380289

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-001132-T IR01D-10040MS 02-MV	6: ARDG-001133-T IR01D-10040MS 02-Ksc	7: ARDG-001134-T SR01D-10040MS 02-Ksc	8: ARDG-001135-TI 2-KMG
Sample Date & Time					06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24
Paste pH [no unit]	22-Apr-24	12:03	23-Apr-24	16:11	8.95	8.70	8.73	8.94
Fizz Rate [rating]	21-Apr-24	12:30	23-Apr-24	16:11	4	4	4	4
Sample weight [g]	19-Apr-24	12:30	23-Apr-24	16:11	1.99	2.05	2.03	2.03
HCl_add [mL]	22-Apr-24	12:40	23-Apr-24	16:11	104.20	40.00	40.00	125.45
HCl [Normality]	21-Apr-24	12:39	23-Apr-24	16:11	0.10	0.10	0.10	0.10
NaOH [Normality]	21-Apr-24	12:39	23-Apr-24	16:11	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	22-Apr-24	12:40	23-Apr-24	16:11	26.30	20.14	20.88	56.95
Final pH [no unit]	22-Apr-24	12:40	23-Apr-24	16:11	1.71	1.57	1.51	1.66
NP [t CaCO3/1000 t]	22-Apr-24	12:40	23-Apr-24	16:11	196	48.4	47.1	169
AP [t CaCO3/1000 t]	25-Apr-24	11:24	25-Apr-24	11:25	12.5	4.06	5.00	10.6
Net NP [t CaCO3/1000 t]	25-Apr-24	11:24	25-Apr-24	11:25	183	44.3	42.1	158
NP/AP [ratio]	25-Apr-24	11:24	25-Apr-24	11:25	15.7	11.9	9.42	15.9
S [%]	24-Apr-24	10:53	25-Apr-24	11:24	0.463	0.181	0.207	0.461
Acid Leachable SO4-S [%]	25-Apr-24	11:22	25-Apr-24	11:24	0.06	0.05	0.05	0.12
Sulphide [%]	25-Apr-24	11:16	25-Apr-24	11:24	0.40	0.13	0.16	0.34
C [%]	24-Apr-24	10:53	25-Apr-24	09:16	2.52	0.753	0.735	2.89
CO3 (HCl) as %CO3 [%]	25-Apr-24	08:36	25-Apr-24	09:16	12.1	3.29	3.20	14.0

Analysis	9: ARDG-001136-T IR01D-10040MS 02-Ksc	10: ARDG-001137-T IR01D-10040MS 02-MV	11: ARDG-001138-T IR01D-10040MS 02-MV	12: ARDG-001139-T IR01D-10040MS 02-MV
Sample Date & Time	06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24
Paste pH [no unit]	8.77	9.09	9.01	8.96
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.00	2.02	2.01	2.03
HCl_add [mL]	40.00	119.45	168.30	161.90
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]	15.06	30.77	94.26	49.72
Final pH [no unit]	1.88	1.69	1.60	1.58
NP [t CaCO3/1000 t]	62.3	220	184	276
AP [t CaCO3/1000 t]	8.75	4.38	9.06	5.94
Net NP [t CaCO3/1000 t]	53.6	215	175	270

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19699-APR24

Analysis	9:	10:	11:	12:
	ARDG-001136-T	ARDG-001137-T	ARDG-001138-T	ARDG-001139-T
	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS
	02-Ksc	02-MV	02-MV	02-MV
NP/AP [ratio]	7.12	50.2	20.3	46.5
S [%]	0.358	0.217	0.334	0.185
Acid Leachable SO4-S [%]	0.08	0.08	0.04	< 0.04
Sulphide [%]	0.28	0.14	0.29	0.19
C [%]	0.979	2.78	3.54	3.67
CO3 (HCl) as %CO3 [%]	4.45	13.4	17.1	17.9

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0086-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0087-APR24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	13
Sulphur (total)	0.005	%	<0.005			5	20				98	70	13
Carbon/Sulphur - QCBatchID: ECS0089-APR24													
Sulphide	0.04	%	< 0.01			1	20	109	80	120			



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#1380289

19-June-2024

Date Rec. : 15 April 2024
LR Report: CA19700-APR24
Reference: Meliadine - PO#1380289

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-001132-T IR01D-10040MS 02-MV	6: ARDG-001133-T IR01D-10040MS 02-Ksc	7: ARDG-001134-T IR01D-10040MS 02-Ksc	8: ARDG-001135-T IR01D-10040MS 02-KMG	9: ARDG-001136-T IR01D-10040MS 02-Ksc	10: ARDG-001137-T IR01D-10040MS 02-MV	11: ARDG-001138-T IR01D-10040MS 02-MV	12: ARDG-001139-T IR01D-10040MS 02-MV
Sample Date & Time					06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24	06-Apr-24
Ag [µg/g]	09-May-24	16:59	10-May-24	10:50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	09-May-24	16:59	10-May-24	10:50	74000	78000	77000	71000	79000	77000	71000	73000
As [µg/g]	09-May-24	16:59	10-May-24	10:50	390	95	86	390	480	9.0	52	9.1
Ba [µg/g]	09-May-24	16:59	10-May-24	10:50	430	440	480	370	430	140	150	140
Be [µg/g]	09-May-24	16:59	10-May-24	10:50	0.75	1.4	1.4	0.73	1.3	0.44	0.54	0.65
Bi [µg/g]	09-May-24	16:59	10-May-24	10:50	0.11	0.21	0.21	0.12	0.19	< 0.09	< 0.09	< 0.09
Ca [µg/g]	09-May-24	16:59	10-May-24	10:50	70000	16000	15000	74000	19000	79000	86000	81000
Cd [µg/g]	09-May-24	16:59	10-May-24	10:50	0.08	0.05	0.06	0.08	0.08	0.11	0.10	0.17
Co [µg/g]	09-May-24	16:59	10-May-24	10:50	36	15	19	36	20	46	42	39
Cr [µg/g]	09-May-24	16:59	10-May-24	10:50	190	140	150	200	150	240	230	230
Cu [µg/g]	09-May-24	16:59	10-May-24	10:50	90	28	100	79	47	86	84	100
Fe [µg/g]	09-May-24	16:59	10-May-24	10:50	59000	82000	78000	63000	75000	70000	70000	64000
K [µg/g]	09-May-24	16:59	10-May-24	10:50	12000	13000	15000	9700	15000	8200	8600	10000
Li [µg/g]	09-May-24	16:59	10-May-24	10:50	56	39	37	57	36	76	59	47
Mg [µg/g]	09-May-24	16:59	10-May-24	10:50	17000	14000	14000	19000	15000	24000	24000	23000
Mn [µg/g]	09-May-24	16:59	10-May-24	10:50	1300	340	340	1300	400	1800	1600	1800
Mo [µg/g]	09-May-24	16:59	10-May-24	10:50	2.4	1.1	1.8	2.6	2.1	2.0	0.7	0.4
Ni [µg/g]	09-May-24	16:59	10-May-24	10:50	98	62	68	100	73	120	120	120
P [µg/g]	09-May-24	16:59	05-Jun-24	09:36	340	630	590	330	650	270	250	250
Pb [µg/g]	09-May-24	16:59	10-May-24	10:50	10	5	7	8	14	5	4	7
Sb [µg/g]	09-May-24	16:59	10-May-24	10:50	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	0.8	< 0.8



SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19700-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001132-T IR01D-10040MS 02-MV	6: ARDG-001133-T IR01D-10040MS 02-Ksc	7: ARDG-001134-T IR01D-10040MS 02-Ksc	8: ARDG-001135-T IR01D-10040MS 02-KMG	9: ARDG-001136-T IR01D-10040MS 02-Ksc	10: ARDG-001137-T IR01D-10040MS 02-MV	11: ARDG-001138-T IR01D-10040MS 02-MV	12: ARDG-001139-T IR01D-10040MS 02-MV
Se [µg/g]	09-May-24	16:59	10-May-24	10:50	0.6	0.3	0.3	0.5	0.3	0.4	0.4	0.3
Sn [µg/g]	09-May-24	16:59	10-May-24	10:50	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	09-May-24	16:59	10-May-24	10:50	250	120	130	250	130	130	280	140
Ti [µg/g]	09-May-24	16:59	10-May-24	10:50	1200	2600	2600	1800	2500	1100	2600	2500
Tl [µg/g]	09-May-24	16:59	10-May-24	10:50	0.53	0.42	0.43	0.39	0.47	0.35	0.34	0.43
U [µg/g]	09-May-24	16:59	10-May-24	10:50	0.51	2.0	1.8	0.53	1.9	0.11	0.12	0.098
V [µg/g]	09-May-24	16:59	10-May-24	10:50	170	98	100	180	100	240	240	230
Y [µg/g]	09-May-24	16:59	10-May-24	10:50	9.2	11	11	9.4	12	8.0	8.4	6.3
Zn [µg/g]	09-May-24	16:59	10-May-24	10:50	61	61	59	60	78	100	76	110

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite

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

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: EMS0062-MAY24													
Calcium	3	µg/g	<3			2		100					
Phosphorus	3	µg/g	<3			0		100					
Potassium	3	µg/g	<3			1		109					
Metals - Microwave/ICP-MS - QCBatchID: EMS0062-MAY24													
Aluminum	3	µg/g	<3			0	20	97	70	130			
Antimony	0.8	µg/g	<0.8			1	20	91	70	130			
Arsenic	0.5	µg/g	<0.5			5	20	107	70	130			
Barium	0.01	µg/g	<0.01			2	20	102	70	130			
Beryllium	0.02	µg/g	<0.02			4	20	101	70	130			
Bismuth	0.09	µg/g	<0.09			4	20	109	70	130			
Cadmium	0.02	µg/g	<0.02			10	20	109	70	130			
Chromium	0.5	µg/g	<0.5			1	20	106	70	130			
Cobalt	0.01	µg/g	<0.01			2	20	106	70	130			
Copper	0.1	µg/g	<0.1			4	20	105	70	130			
Iron	3	µg/g	<3			2	20	104	70	130			
Lead	0.05	µg/g	<0.05			6	20	104	70	130			
Lithium	2	µg/g	<2			3	20	93	70	130			
Magnesium	3	µg/g	<0.1			0	20	98	70	130			
Manganese	0.1	µg/g	<0.1			1	20	107	70	130			
Molybdenum	0.1	µg/g	<0.1			1	20	106	70	130			
Nickel	0.1	µg/g	<0.1			1	20	109	70	130			
Selenium	0.1	µg/g	<0.1			1	20	106	70	130			
Silver	0.5	µg/g	<0.01			9	20	110	70	130			
Strontium	0.02	µg/g	<0.02			2	20	108	70	130			
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130			
Tin	6	µg/g	<6			ND	20	103	70	130			
Titanium	0.1	µg/g	<0.1			1	20	103	70	130			
Uranium	0.002	µg/g	<0.002			4	20	102	70	130			
Vanadium	1	µg/g	<1			1	20	99	70	130			
Yttrium	0.004	µg/g	<0.004			0	20	105	70	130			
Zinc	0.7	µg/g	<0.7			7	20	100	70	130			



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakeland - Ontario - K0L 2H0
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#1380289

12-June-2024

Date Rec. : 15 April 2024
LR Report: CA19703-APR24
Reference: Meliadine - PO#1380289

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-001140-T IR01C-10035MS 82-MV	6: ARDG-001141-T IR01C-10035MS 82-MV	7: ARDG-001142-T IR01C-10035MS 82-MV	8: ARDG-001143-T IR01C-10035MS 82-MV	9: ARDG-001144-T IR01C-10035MS 82-MV	10: ARDG-001145-T IR01C-10035MS 82-MV	11: ARDG-001146-T IR01C-10035MS 82-MV	12: ARDG-001147-T IR01C-10035MS 82-MV
Sample Date & Time					07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24
Ag [µg/g]	15-May-24	16:19	15-May-24	12:43	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	15-May-24	16:19	15-May-24	12:43	71000	63000	69000	77000	65000	55000	61000	67000
As [µg/g]	15-May-24	16:19	15-May-24	12:43	7.5	38	230	9.8	120	250	240	12
Ba [µg/g]	15-May-24	16:19	15-May-24	12:43	33	91	110	6	18	59	67	54
Be [µg/g]	15-May-24	16:19	15-May-24	12:43	0.29	0.42	0.63	0.29	0.36	0.29	0.29	0.38
Bi [µg/g]	15-May-24	16:19	15-May-24	12:43	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	15-May-24	16:19	15-May-24	12:43	80000	80000	82000	100000	100000	120000	130000	76000
Cd [µg/g]	15-May-24	16:19	15-May-24	12:43	0.16	0.13	0.20	0.14	0.14	0.33	0.40	0.11
Co [µg/g]	15-May-24	16:19	15-May-24	12:43	50	44	44	52	54	41	46	53
Cr [µg/g]	15-May-24	16:19	15-May-24	12:43	200	230	240	240	230	180	180	210
Cu [µg/g]	15-May-24	16:19	15-May-24	12:43	110	100	93	130	150	130	130	130
Fe [µg/g]	15-May-24	16:19	15-May-24	12:43	83000	74000	70000	85000	79000	73000	70000	82000
K [µg/g]	15-May-24	16:19	15-May-24	12:43	2400	4700	8400	190	550	4100	4900	3800
Li [µg/g]	15-May-24	16:19	15-May-24	12:43	75	77	64	49	45	55	49	100
Mg [µg/g]	15-May-24	16:19	15-May-24	12:43	35000	25000	25000	30000	26000	21000	21000	39000
Mn [µg/g]	15-May-24	16:19	15-May-24	12:43	2100	1900	1700	2100	2200	3300	3300	1600
Mo [µg/g]	15-May-24	16:19	15-May-24	12:43	0.7	0.5	0.8	0.5	0.8	0.6	0.8	0.3
Ni [µg/g]	15-May-24	16:19	15-May-24	12:43	130	120	120	160	150	120	140	140
P [µg/g]	15-May-24	16:19	05-Jun-24	09:36	260	260	250	220	210	160	170	200
Pb [µg/g]	15-May-24	16:19	15-May-24	12:43	4	5	14	4	4	4	4	3
Sb [µg/g]	15-May-24	16:19	15-May-24	12:43	< 0.8	< 0.8	< 0.8	1.7	1.3	< 0.8	< 0.8	< 0.8

Online LIMS



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#1380289
LR Report : CA19703-APR24

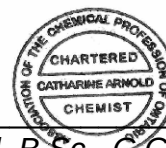
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001140-T Completed IR01C-10035MS Time	5: ARDG-001141-T 82-MV	6: ARDG-001142-T 82-MV	7: ARDG-001143-T 82-MV	8: ARDG-001144-T 82-MV	9: ARDG-001145-T 82-MV	10: ARDG-001146-T 82-MV	11: ARDG-001147-T 82-MV	12: ARDG-001148-T 82-MV
Se [µg/g]	15-May-24	16:19	15-May-24	12:43	0.4	0.3	0.3	0.5	0.6	0.4	0.5	0.6
Sn [µg/g]	15-May-24	16:19	15-May-24	12:43	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	15-May-24	16:19	15-May-24	12:43	140	130	180	230	180	97	99	79
Ti [µg/g]	15-May-24	16:19	15-May-24	12:43	2800	2200	3100	4800	4600	2700	2800	1900
Tl [µg/g]	15-May-24	16:19	15-May-24	12:43	0.12	0.28	0.45	< 0.02	< 0.02	0.19	0.22	0.21
U [µg/g]	15-May-24	16:19	15-May-24	12:43	0.072	0.13	0.24	0.086	0.14	0.11	0.093	0.21
V [µg/g]	15-May-24	16:19	15-May-24	12:43	270	250	250	290	270	210	220	250
Y [µg/g]	15-May-24	16:19	15-May-24	12:43	5.4	6.7	5.2	18	15	9.3	11	11
Zn [µg/g]	15-May-24	16:19	15-May-24	12:43	110	96	130	95	97	100	98	93

Analysis	13: ARDG-001148-T 82-MV	14: ARDG-001149-T 82-MV	15: ARDG-001150-T 82-MV	16: ARDG-001151-T 82-MV
Sample Date & Time	07-Apr-24	07-Apr-24	07-Apr-24	07-Apr-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	68000	53000	70000	64000
As [µg/g]	11	6.5	9.0	23
Ba [µg/g]	96	75	77	32
Be [µg/g]	0.42	0.43	0.44	0.44
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	96000	79000	92000	70000
Cd [µg/g]	0.11	0.09	0.11	0.09
Co [µg/g]	49	51	56	48
Cr [µg/g]	210	210	210	220
Cu [µg/g]	130	130	120	130
Fe [µg/g]	75000	74000	76000	83000
K [µg/g]	5300	6300	6200	4200
Li [µg/g]	70	76	85	79
Mg [µg/g]	27000	23000	31000	37000
Mn [µg/g]	2100	1900	2000	1500
Mo [µg/g]	0.5	0.3	0.4	0.6
Ni [µg/g]	150	140	140	140
P [µg/g]	190	200	200	190
Pb [µg/g]	3	3	3	5
Sb [µg/g]	0.8	< 0.8	0.8	< 0.8
Se [µg/g]	0.5	0.5	0.5	0.4
Sn [µg/g]	< 6	< 6	< 6	< 6

Analysis	13: ARDG-001148-T IR01C-10035MS 82-MV	14: ARDG-001149-T IR01C-10035MS 82-MV	15: ARDG-001150-T IR01C-10035MS 82-MV	16: ARDG-001151-T IR01C-10035MS 82-MV
Sr [µg/g]	120	93	110	110
Ti [µg/g]	4000	3100	3000	1400
Tl [µg/g]	0.26	0.29	0.32	0.17
U [µg/g]	0.078	0.10	0.10	0.068
V [µg/g]	260	250	250	250
Y [µg/g]	12	9.6	14	4.2
Zn [µg/g]	89	84	85	88

Revised report with P and QC Report added.

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



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: EMS0130-MAY24													
Calcium	3	µg/g	<3			5		96					
Phosphorus	3	µg/g	<3			8		95					
Potassium	3	µg/g	<3			3		99					
Metals - Microwave/ICP-MS - QCBatchID: EMS0130-MAY24													
Aluminum	3	µg/g	<3			8	20	99	70	130			
Antimony	0.8	µg/g	<0.8			ND	20	108	70	130			
Arsenic	0.5	µg/g	<0.5			1	20	104	70	130			
Barium	0.01	µg/g	<0.01			3	20	92	70	130			
Beryllium	0.02	µg/g	<0.02			1	20	93	70	130			
Bismuth	0.09	µg/g	<0.09			ND	20	97	70	130			
Cadmium	0.02	µg/g	<0.02			6	20	105	70	130			
Chromium	0.5	µg/g	<0.5			3	20	106	70	130			
Cobalt	0.01	µg/g	<0.01			3	20	102	70	130			
Copper	0.1	µg/g	<0.1			8	20	102	70	130			
Iron	3	µg/g	<3			2	20	98	70	130			
Lead	0.05	µg/g	<0.05			1	20	95	70	130			
Lithium	2	µg/g	<2			5	20	93	70	130			
Magnesium	3	µg/g	<0.1			9	20	102	70	130			
Manganese	0.1	µg/g	<0.1			4	20	105	70	130			
Molybdenum	0.1	µg/g	<0.1			4	20	99	70	130			
Nickel	0.1	µg/g	<0.1			1	20	104	70	130			
Selenium	0.1	µg/g	<0.1			6	20	103	70	130			
Silver	0.5	µg/g	<0.01			10	20	104	70	130			
Strontium	0.02	µg/g	<0.02			4	20	100	70	130			
Thallium	0.02	µg/g	<0.02			15	20	NV	70	130			
Tin	6	µg/g	<6			ND	20	102	70	130			
Titanium	0.1	µg/g	<0.1			4	20	104	70	130			
Uranium	0.002	µg/g	<0.002			1	20	94	70	130			
Vanadium	1	µg/g	<1			4	20	102	70	130			
Yttrium	0.004	µg/g	<0.004			9	20	101	70	130			
Zinc	0.7	µg/g	<0.7			2	20	101	70	130			

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
XOC OAO, Canada

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

20-June-2024

Date Rec. : 18 April 2024
LR Report: CA19808-APR24
Reference: Meliadine - PO#1380289

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-001152-TI R01C-10035MS 4-Kwa-s	6: ARDG-001153-TI R01C-10035MS 4-Kwa-s	7: ARDG-001154-TI R01C-10035MS 4-Kwa-s	8: ARDG-001155-TI R01C-10035MS 4-Kwa-s	9: ARDG-001156-TI R01C-10035MS 4-Kwa-s	10: ARDG-001157-T R01C-10035MS 64-MV	11: ARDG-001158-T R01C-10035MS 64-MV	12: ARDG-001159-T R01C-10035MS 64-MV
Sample Date & Time					09-Apr-24	09-Apr-24	09-Apr-24	09-Apr-24	09-Apr-24	10-Apr-24	10-Apr-24	10-Apr-24
Paste pH [no unit]	30-Apr-24	13:59	30-Apr-24	14:35	9.05	9.21	9.15	9.20	9.05	8.70	8.98	9.21
Fizz Rate [rating]	29-Apr-24	08:32	30-Apr-24	14:35	3	3	3	3	3	3	3	3
Sample weight [g]	25-Apr-24	17:24	30-Apr-24	14:35	2.02	2.00	2.02	2.02	2.02	2.03	2.00	2.00
HCl_add [mL]	30-Apr-24	06:35	30-Apr-24	14:35	28.50	28.60	28.90	20.00	28.10	181.30	141.00	148.50
HCl [Normality]	29-Apr-24	08:43	30-Apr-24	14:35	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	29-Apr-24	08:43	30-Apr-24	14:35	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	30-Apr-24	14:14	30-Apr-24	14:35	12.67	12.23	11.46	7.46	10.24	64.14	44.27	67.95
Final pH [no unit]	30-Apr-24	08:33	30-Apr-24	14:35	1.63	1.65	1.70	1.77	1.85	1.60	1.69	1.66
NP [t CaCO3/1000 t]	30-Apr-24	14:14	30-Apr-24	14:35	39.2	40.9	43.2	31.0	44.2	289	242	201
AP [t CaCO3/1000 t]	30-Apr-24	14:35	30-Apr-24	14:35	6.88	2.81	3.12	4.38	5.62	15.0	2.81	1.88
Net NP [t CaCO3/1000 t]	30-Apr-24	14:35	30-Apr-24	14:35	32.3	38.1	40.1	26.6	38.6	274	239	200
NP/AP [ratio]	30-Apr-24	14:35	30-Apr-24	14:35	5.70	14.5	13.8	7.09	7.86	19.2	86.0	107
S [%]	25-Apr-24	13:30	26-Apr-24	10:42	0.478	0.243	0.247	0.188	0.327	0.714	0.143	0.087
Acid Leachable SO4-S [%]	26-Apr-24	10:20	26-Apr-24	10:42	0.26	0.15	0.15	0.05	0.15	0.23	0.05	< 0.04
Sulphide [%]	26-Apr-24	10:19	26-Apr-24	10:42	0.22	0.09	0.10	0.14	0.18	0.48	0.09	0.06
C [%]	25-Apr-24	13:30	26-Apr-24	09:16	0.567	0.652	0.685	0.401	0.657	4.09	3.59	3.79
CO3 (HCl) as %CO3 [%]	26-Apr-24	08:22	26-Apr-24	09:16	2.30	2.63	2.87	1.66	2.80	19.6	17.4	18.3

Reissued to include QC Report

ABA - Modified Sobek



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

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

mel
Works #:

Waste Rock OP TIR01

Project :

PO#1380289

LR Report :

CA19808-APR24

*NP (Neutralization Potential)

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

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

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: ECS0090-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0092-APR24													
Carbon (total)	0.005	%	<0.005			0	20				98	70 130	
Sulphur (total)	0.005	%	<0.005			4	20				101	70 130	
Carbon/Sulphur - QCBatchID: ECS0094-APR24													
Sulphide	0.04	%	< 0.01			3	20	97	80	120			



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, Nunavut
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

12-June-2024

Date Rec. : 18 April 2024
LR Report: CA19809-APR24
Reference: Meliadine - PO#1380289

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-001152-TI R01C-10035MS6 4-Kwa-s	6: ARDG-001153-TI R01C-10035MS6 4-Kwa-s	7: ARDG-001154-TI R01C-10035MS6 4-Kwa-s	8: ARDG-001155-TI R01C-10035MS6 4-Kwa-s	9: ARDG-001156-TI R01C-10035MS 64-MV	10: ARDG-001157-T R01C-10035MS 64-MV	11: ARDG-001158-T R01C-10035MS 64-MV	12: ARDG-001159-T R01C-10035MS 64-MV
Sample Date & Time					09-Apr-24	09-Apr-24	09-Apr-24	09-Apr-24	09-Apr-24	10-Apr-24	10-Apr-24	10-Apr-24
Ag [µg/g]	09-May-24	17:31	10-May-24	10:58	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	09-May-24	17:31	10-May-24	10:58	95000	93000	88000	92000	93000	74000	86000	81000
As [µg/g]	09-May-24	17:31	10-May-24	10:58	59	58	110	30	73	880	400	210
Ba [µg/g]	09-May-24	17:31	10-May-24	10:58	990	790	770	900	920	120	150	160
Be [µg/g]	09-May-24	17:31	10-May-24	10:58	1.6	1.3	1.2	1.3	1.3	0.56	0.49	0.52
Bi [µg/g]	09-May-24	17:31	10-May-24	10:58	0.13	0.28	0.26	0.24	0.16	0.10	< 0.09	< 0.09
Ca [µg/g]	09-May-24	17:31	10-May-24	10:58	12000	14000	14000	13000	15000	110000	86000	87000
Cd [µg/g]	09-May-24	17:31	10-May-24	10:58	0.05	0.10	0.09	0.11	0.11	0.23	0.11	0.13
Co [µg/g]	09-May-24	17:31	10-May-24	10:58	20	21	21	19	21	42	41	44
Cr [µg/g]	09-May-24	17:31	10-May-24	10:58	130	170	170	160	170	210	240	230
Cu [µg/g]	09-May-24	17:31	10-May-24	10:58	62	34	47	43	56	130	91	96
Fe [µg/g]	09-May-24	17:31	10-May-24	10:58	46000	41000	40000	35000	41000	63000	59000	63000
K [µg/g]	09-May-24	17:31	10-May-24	10:58	30000	17000	16000	19000	19000	7200	7400	7600
Li [µg/g]	09-May-24	17:31	10-May-24	10:58	48	38	36	43	39	53	61	64
Mg [µg/g]	09-May-24	17:31	10-May-24	10:58	13000	13000	12000	12000	12000	16000	22000	25000
Mn [µg/g]	09-May-24	17:31	10-May-24	10:58	310	390	390	300	370	2300	2000	1800
Mo [µg/g]	09-May-24	17:31	10-May-24	10:58	1.6	1.5	2.0	1.8	1.6	0.5	0.3	0.3
Ni [µg/g]	09-May-24	17:31	10-May-24	10:58	69	71	72	69	70	110	110	110
P [µg/g]	09-May-24	17:31	05-Jun-24	09:37	460	420	430	460	450	270	260	240
Pb [µg/g]	09-May-24	17:31	10-May-24	10:58	9	12	12	14	16	18	9	7

Online LIMS



SGS Canada Inc.

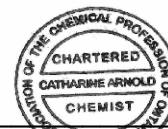
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19809-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001152-TI R01C-10035MS6 4-Kwa-s	6: ARDG-001153-TI R01C-10035MS6 4-Kwa-s	7: ARDG-001154-TI R01C-10035MS6 4-Kwa-s	8: ARDG-001155-TI R01C-10035MS6 4-Kwa-s	9: ARDG-001156-TI R01C-10035MS6 4-Kwa-s	10: ARDG-001157-T R01C-10035MS 64-MV	11: ARDG-001158-T R01C-10035MS 64-MV	12: ARDG-001159-T R01C-10035MS 64-MV
Sb [µg/g]	09-May-24	17:31	10-May-24	10:58	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	2.1	< 0.8	< 0.8
Se [µg/g]	09-May-24	17:31	10-May-24	10:58	0.3	0.3	0.3	0.3	0.3	0.7	0.2	0.2
Sn [µg/g]	09-May-24	17:31	10-May-24	10:58	< 6	< 6	< 6	< 6	< 6	6	< 6	< 6
Sr [µg/g]	09-May-24	17:31	10-May-24	10:58	270	350	350	400	390	180	170	150
Ti [µg/g]	09-May-24	17:31	10-May-24	10:58	2600	2600	2500	1600	2500	2500	1500	1900
Tl [µg/g]	09-May-24	17:31	10-May-24	10:58	0.71	0.41	0.40	0.46	0.47	0.37	0.37	0.40
U [µg/g]	09-May-24	17:31	10-May-24	10:58	1.7	1.7	1.7	1.8	1.8	0.17	0.085	0.20
V [µg/g]	09-May-24	17:31	10-May-24	10:58	110	100	97	100	100	240	250	250
Y [µg/g]	09-May-24	17:31	10-May-24	10:58	6.7	7.4	7.1	8.3	7.5	8.1	7.4	6.9
Zn [µg/g]	09-May-24	17:31	10-May-24	10:58	74	72	69	71	71	180	100	93

Bulk Metals Suite
Revised report with P and QC Report added.

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



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: EMS0079-MAY24													
Calcium	3	µg/g	<3			1		103					
Phosphorus	3	µg/g	<3			1		100					
Potassium	3	µg/g	<3			1		109					
Metals - Microwave/ICP-MS - QCBatchID: EMS0079-MAY24													
Aluminum	3	µg/g	<3			3	20	107	70	130			
Antimony	0.8	µg/g	<0.8			4	20	105	70	130			
Arsenic	0.5	µg/g	<0.5			5	20	105	70	130			
Barium	0.01	µg/g	<0.01			0	20	105	70	130			
Beryllium	0.02	µg/g	<0.02			2	20	101	70	130			
Bismuth	0.09	µg/g	<0.09			ND	20	109	70	130			
Cadmium	0.02	µg/g	<0.02			11	20	106	70	130			
Chromium	0.5	µg/g	<0.5			3	20	108	70	130			
Cobalt	0.01	µg/g	<0.01			4	20	104	70	130			
Copper	0.1	µg/g	<0.1			4	20	105	70	130			
Iron	3	µg/g	<3			2	20	104	70	130			
Lead	0.05	µg/g	<0.05			7	20	104	70	130			
Lithium	2	µg/g	<2			2	20	95	70	130			
Magnesium	3	µg/g	<0.1			1	20	99	70	130			
Manganese	0.1	µg/g	<0.1			1	20	104	70	130			
Molybdenum	0.1	µg/g	<0.1			9	20	100	70	130			
Nickel	0.1	µg/g	<0.1			1	20	108	70	130			
Selenium	0.1	µg/g	<0.1			10	20	107	70	130			
Silver	0.5	µg/g	<0.01			16	20	104	70	130			
Strontium	0.02	µg/g	<0.02			1	20	104	70	130			
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130			
Tin	6	µg/g	<6			ND	20	109	70	130			
Titanium	0.1	µg/g	<0.1			1	20	101	70	130			
Uranium	0.002	µg/g	<0.002			0	20	96	70	130			
Vanadium	1	µg/g	<1			1	20	103	70	130			
Yttrium	0.004	µg/g	<0.004			2	20	104	70	130			
Zinc	0.7	µg/g	<0.7			3	20	109	70	130			

20-June-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. : 19 April 2024
LR Report: CA19818-APR24
Reference: Meliadine - PO#1380289

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-001160-T IR01C-10035MS 68-kwa-s	6: ARDG-001161-T IR01C-10035MS 68-kwa-s	7: ARDG-001162-T IR01C-10035MS 68-kwa-s	8: ARDG-001163-T IR01C-10035MS 68-kwa-s	9: ARDG-001164-T IR01C-10035MS 68-kwa-s	10: ARDG-001165-T IR01C-10035MS 68-kwa-s	11: ARDG-001166-T IR01C-10035MS 68-kwa-s
Sample Date & Time					10-Apr-24	10-Apr-24	10-Apr-24	10-Apr-24	10-Apr-24	10-Apr-24	11-Apr-24
Paste pH [no unit]	30-Apr-24	13:59	30-Apr-24	14:35	9.07	9.05	9.01	9.35	9.28	9.36	9.24
Fizz Rate [rating]	29-Apr-24	08:32	30-Apr-24	14:35	3	3	3	3	3	3	3
Sample weight [g]	25-Apr-24	17:24	30-Apr-24	14:35	2.02	2.02	2.01	2.00	2.01	2.02	2.00
HCl_add [mL]	30-Apr-24	06:35	30-Apr-24	14:35	39.20	39.70	37.00	29.00	27.40	27.60	27.90
HCl [Normality]	29-Apr-24	08:43	30-Apr-24	14:35	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	29-Apr-24	08:43	30-Apr-24	14:35	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	30-Apr-24	14:14	30-Apr-24	14:35	18.60	19.18	17.46	13.97	11.48	11.90	10.19
Final pH [no unit]	30-Apr-24	08:33	30-Apr-24	14:35	1.53	1.51	1.54	1.64	1.74	1.69	1.81
NP [t CaCO3/1000 t]	30-Apr-24	14:14	30-Apr-24	14:35	51.0	50.8	48.6	37.6	39.6	38.9	44.3
AP [t CaCO3/1000 t]	30-Apr-24	14:35	30-Apr-24	14:35	6.25	6.25	8.44	3.44	3.12	3.75	5.62
Net NP [t CaCO3/1000 t]	30-Apr-24	14:35	30-Apr-24	14:35	44.8	44.6	40.2	34.2	36.5	35.2	38.7
NP/AP [ratio]	30-Apr-24	14:35	30-Apr-24	14:35	8.16	8.13	5.76	10.9	12.7	10.4	7.88
S [%]	25-Apr-24	13:30	26-Apr-24	10:42	0.307	0.315	0.459	0.168	0.195	0.187	0.257
Acid Leachable SO4-S [%]	26-Apr-24	10:21	26-Apr-24	10:42	0.11	0.12	0.19	0.06	0.10	0.07	0.08
Sulphide [%]	26-Apr-24	10:19	26-Apr-24	10:42	0.20	0.20	0.27	0.11	0.10	0.12	0.18
C [%]	25-Apr-24	13:30	26-Apr-24	09:16	0.771	0.761	0.739	0.585	0.643	0.592	0.622
CO3 (HCl) as %CO3 [%]	26-Apr-24	08:22	26-Apr-24	09:16	3.41	3.32	3.03	2.32	2.46	2.50	2.75

Reissued to include QC Report

ABA - Modified Sobek



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19818-APR24

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0090-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0092-APR24													
Carbon (total)	0.005	%	<0.005			0	20				98	70 13	
Sulphur (total)	0.005	%	<0.005			4	20				101	70 13	
Carbon/Sulphur - QCBatchID: ECS0094-APR24													
Sulphide	0.04	%	< 0.01			3	20	97	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 18 April 2024

LR Report: CA19810-APR24

Reference: Meliadine - PO#1380289

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-001152 ARDG-001153 ARDG-001154 -TIR01C-1003 5MS64-Kwa-s	6: ARDG-001152 ARDG-001153 ARDG-001154 -TIR01C-1003 5MS64-Kwa-s	7: ARDG-001152 ARDG-001153 ARDG-001154 -TIR01C-1003 5MS64-Kwa-s
Sample Date & Time					09-Apr-24	09-Apr-24	09-Apr-24
Sample weight [g]	06-May-24	06:57	07-May-24	09:29	250	250	251
Volume D.I. Water [mL]	06-May-24	07:38	07-May-24	09:29	750	750	750
pH [no unit]	07-May-24	08:44	07-May-24	09:29	9.10	9.19	9.18
pH [No unit]	07-May-24	14:29	09-May-24	11:46	9.10	9.11	9.18
Conductivity [uS/cm]	07-May-24	14:29	09-May-24	11:46	248	195	188
Alkalinity [mg/L as CaCO3]	07-May-24	14:29	09-May-24	11:46	60	59	63
SO4 [mg/L]	12-May-24	11:37	13-May-24	15:53	14	10	13
Hg (diss) [mg/L]	09-May-24	09:32	15-May-24	17:00	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.586	0.545	0.515
As (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.0149	0.0530	0.0523
Ba (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.00611	0.00326	0.00291
B (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.051	0.046	0.050
Be (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	7.65	7.80	7.46
Cd (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.000006	0.000005	0.000011
Co (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.000045	0.000027	0.000036
Cr (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.00058	0.00034	0.00039
Cu (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.071	0.012	0.014
K (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	22.5	12.4	13.1
Li (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.0012	0.0012	0.0012
Mg (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	1.90	1.94	1.94
Mn (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.00085	0.00049	0.00037
Mo (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.0105	0.0097	0.0090
Na (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	25.8	22.5	26.2
Ni (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.0003	0.0003	0.0004

Online LIMS

0003749684

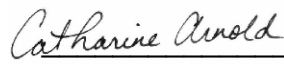
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001152 -TIR01C-1003 5MS64-Kwa-s	6: ARDG-001153 -TIR01C-1003 5MS64-Kwa-s	7: ARDG-001154 -TIR01C-1003 5MS64-Kwa-s
Pb (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	< 0.00009	< 0.00009	0.00053
Sb (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.0082	0.0068	0.0070
Se (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.00019	0.00039	0.00042
Si (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	2.16	1.90	1.95
Sn (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.0367	0.0340	0.0304
Ti (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.0042	0.0008	0.0009
Tl (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.000006	0.000019	< 0.000005
U (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.000147	0.000231	0.000324
V (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.00158	0.00210	0.00226
W (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.00225	0.00341	0.00403
Y (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	0.00007	0.00004	0.00003
Zn (diss) [mg/L]	09-May-24	15:39	15-May-24	17:00	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001155 -TIR01C-1003 5MS64-Kwa-s	9: ARDG-001156 -TIR01C-1003 5MS64-Kwa-s	10: ARDG-001157 -TIR01C-1003 5MS64-MV	11: ARDG-001158 -TIR01C-1003 5MS64-MV	12: ARDG-001159 -TIR01C-1003 5MS64-MV
Sample Date & Time	09-Apr-24	09-Apr-24	10-Apr-24	10-Apr-24	10-Apr-24
Sample weight [g]	250	251	251	252	250
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.05	9.08	8.71	8.97	9.04
pH [No unit]	9.00	8.87	8.20	8.56	8.62
Conductivity [uS/cm]	263	244	353	342	248
Alkalinity [mg/L as CaCO3]	63	60	66	70	78
SO4 [mg/L]	36	20	58	32	26
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]	0.474	0.533	0.422	0.576	0.615
As (diss) [mg/L]	0.0479	0.0484	0.0582	0.247	0.307
Ba (diss) [mg/L]	0.00364	0.00335	0.00077	0.00053	0.00057
B (diss) [mg/L]	0.043	0.035	0.029	0.022	0.014
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]	9.07	9.44	17.5	9.78	8.40
Cd (diss) [mg/L]	< 0.000003	0.000006	0.000009	0.000004	0.000004
Co (diss) [mg/L]	0.000032	0.000028	0.000086	0.000087	0.000056
Cr (diss) [mg/L]	0.00057	0.00027	< 0.00008	0.00009	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.018	0.013	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16.6	15.1	5.08	6.02	4.72
Li (diss) [mg/L]	0.0017	0.0015	0.0027	0.0020	0.0016
Mg (diss) [mg/L]	2.26	2.72	7.26	4.93	4.55

Analysis	8:	9:	10:	11:	12:
	ARDG-001155	ARDG-001156	ARDG-001157	ARDG-001158	ARDG-001159
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003
	5MS64-Kwa-s	5MS64-Kwa-s	5MS64-MV	5MS64-MV	5MS64-MV
Mn (diss) [mg/L]	0.00061	0.00090	0.00819	0.00360	0.00211
Mo (diss) [mg/L]	0.0057	0.0101	0.0175	0.0090	0.0060
Na (diss) [mg/L]	29.2	24.9	36.6	48.8	33.0
Ni (diss) [mg/L]	0.0003	0.0002	0.0007	0.0005	0.0003
Pb (diss) [mg/L]	0.00020	< 0.00009	0.00015	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0048	0.0057	0.0150	0.0088	0.0109
Se (diss) [mg/L]	0.00061	0.00023	0.00292	0.00110	0.00146
Si (diss) [mg/L]	2.13	2.01	1.43	1.78	1.86
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0432	0.0468	0.0288	0.0141	0.0102
Ti (diss) [mg/L]	0.0010	0.0008	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000008	< 0.000005	0.000005	0.000007	< 0.000005
U (diss) [mg/L]	0.000239	0.000250	0.000105	0.000044	0.000074
V (diss) [mg/L]	0.00252	0.00172	0.00090	0.00313	0.00401
W (diss) [mg/L]	0.00321	0.00555	0.00155	0.00164	0.00140
Y (diss) [mg/L]	0.00003	0.00006	< 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

Revised report with QC Report added.



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

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: EWL0158-MAY24													
Alkalinity	2	mg/L as Ca	2			0	20	102	80	120	NA		
Alkalinity - QCBatchID: EWL0168-MAY24													
Alkalinity	2	mg/L as Ca	< 2			2	20	100	80	120	NA		
Alkalinity - QCBatchID: EWL0169-MAY24													
Alkalinity	2	mg/L as Ca	< 2			2	20	96	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8027-MAY24													
Sulphate	2	mg/L	<2			1	20	107	80	120	104	75	125
Anions by discrete analyzer - QCBatchID: DIO8030-MAY24													
Sulphate	2	mg/L	<2			0	20	109	80	120	95	75	125
Conductivity - QCBatchID: EWL0158-MAY24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Conductivity - QCBatchID: EWL0168-MAY24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0169-MAY24													
Conductivity	2	uS/cm	< 2			2	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0014-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	120	80	120	122	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0076-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			5	20	99	90	110	101	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	100	90	110	104	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	100	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			6	20	98	90	110	98	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	106	90	110	108	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	74	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	98	90	110	101	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	100	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	101	90	110	102	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			13	20	101	90	110	113	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	97	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	96	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	103	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	102	90	110	102	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			4	20	98	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	100	90	110	97	70	130

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
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	98	90	110	90	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	100	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			4	20	101	90	110	95	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	104	90	110	124	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			10	20	102	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	79	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	97	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			3	20	100	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	101	90	110	97	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	101	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	99	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	99	90	110	100	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	102	70	130
pH - QCBatchID: EWL0158-MAY24													
pH	0.05	No unit	NA			0		119			NA		
pH - QCBatchID: EWL0168-MAY24													
pH	0.05	No unit	NA			0		101			NA		
pH - QCBatchID: EWL0169-MAY24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

14-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 10 April 2024
LR Report: CA19773-APR24
Reference: Meliadine - PO#1380289

Copy: #2

Phone: (819) 759-3555
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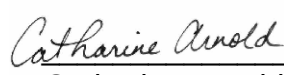
CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001114-TIARDG-001115-TIARDG-001116-TIARDG-001117-TIARDG-001118-TI R01D-10040MS0R01D-10040MS0R01D-10040MS0R01D-10040MS0R01D-10040MS0 3-Kwa-s	6: 3-Kwa-s	7: 3-Kwa-s	8: 3-Kwa-s	9: 3-Kwa-s
Sample Date & Time					01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24
Ag [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	74000	75000	66000	71000	70000
As [µg/g]	13-May-24	17:29	13-May-24	11:29	20	63	83	70	340
Ba [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	650	600	580	600	770
Be [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	1.2	1.2	1.2	1.2	1.4
Bi [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	0.21	0.24	0.21	0.25	0.27
Ca [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	10000	14000	14000	15000	11000
Cd [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	0.10	0.10	0.11	0.08	0.11
Co [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	21	22	21	23	20
Cr [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	64	68	90	85	110
Cu [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	58	51	59	49	57
Fe [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	41000	36000	35000	35000	36000
K [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	20000	18000	18000	19000	19000
Li [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	37	28	28	29	37
Mg [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	13000	11000	11000	10000	12000
Mn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	320	330	330	330	330
Mo [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	1.7	1.3	1.6	1.9	1.9
Ni [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	78	69	71	67	69
P [µg/g]	13-May-24	17:29	12-Jun-24	11:56	480	460	440	440	440
Pb [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	8	10	10	9	17
Sb [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	0.3	0.3	0.3	0.4	0.3
Sn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	230	250	240	280	270
Ti [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	3100	2800	2900	2500	1900
Tl [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	0.50	0.44	0.44	0.50	0.53
U [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	1.9	1.6	1.6	1.5	1.8
V [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	100	88	90	85	94
Y [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	5.5	4.8	4.1	4.9	5.5
Zn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	81	72	69	61	83

Analysis	10:	11:	12:	13:	14:	15:
	ARDG-001119-TIARDG-001120-TIARDG-001121-TIARDG-001122-TIARDG-001123-TIARDG-001124-TI					
	R01D-10040MS0R01D-10040MS0R01D-10040MS0R01D-10040MS0R01D-10040MS0R01D-10040MS0					
	3-Kwa-s	3-Kwa-s	3-Kwa-s	3-Kwa-s	3-Kwa-s	3-Kwa-s
Sample Date & Time	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	65000	67000	72000	82000	81000	78000
As [µg/g]	150	28	200	74	190	120
Ba [µg/g]	850	650	770	790	670	580
Be [µg/g]	1.4	1.4	1.6	1.8	1.5	1.2
Bi [µg/g]	0.48	0.22	0.16	0.14	0.20	0.34
Ca [µg/g]	11000	11000	11000	13000	13000	20000
Cd [µg/g]	0.12	0.10	0.12	0.08	0.11	0.16
Co [µg/g]	23	23	18	17	18	19
Cr [µg/g]	83	79	67	57	85	59
Cu [µg/g]	52	45	32	21	35	63
Fe [µg/g]	37000	35000	70000	68000	64000	95000
K [µg/g]	20000	18000	20000	18000	16000	15000
Li [µg/g]	39	40	55	55	53	51
Mg [µg/g]	13000	13000	14000	13000	14000	14000
Mn [µg/g]	320	340	390	370	390	630
Mo [µg/g]	1.4	1.9	1.6	2.0	1.7	2.0
Ni [µg/g]	73	73	66	64	68	58
P [µg/g]	460	460	540	540	530	590
Pb [µg/g]	43	16	10	9	10	9
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.3	0.4	0.4	0.7
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	270	270	210	250	250	230
Ti [µg/g]	1600	970	2100	2600	2500	1400
Tl [µg/g]	0.55	0.50	0.54	0.50	0.44	0.39
U [µg/g]	1.9	1.6	2.0	1.8	1.7	1.9
V [µg/g]	91	86	86	83	86	75
Y [µg/g]	5.0	4.6	4.9	5.7	5.5	6.6
Zn [µg/g]	89	83	94	100	100	97

Revised report with P and QC Report added.



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

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: EMS0097-MAY24													
Phosphorus	3	µg/g	<3			1		101					
QCR_SubCategory - QCBatchID: EMS0181-APR24													
Calcium	3	µg/g	<3			1		103			90		
Potassium	3	µg/g	<3			5		102			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0097-MAY24													
Arsenic	0.5	µg/g	<0.5			6	20	99	70	130			
Metals - Microwave/ICP-MS - QCBatchID: EMS0181-APR24													
Aluminum	3	µg/g	<3			4	20	103	70	130	104	70	130
Antimony	0.8	µg/g	<0.8			ND	20	104	70	130	120	70	130
Barium	0.01	µg/g	<0.01			6	20	93	70	130	109	70	130
Beryllium	0.02	µg/g	<0.02			4	20	97	70	130	99	70	130
Bismuth	0.09	µg/g	<0.09			6	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			1	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			16	20	98	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			17	20	100	70	130	99	70	130
Copper	0.1	µg/g	<0.1			6	20	97	70	130	108	70	130
Iron	3	µg/g	<3			2	20	103	70	130	98	70	130
Lead	0.05	µg/g	<0.05			7	20	96	70	130	112	70	130
Lithium	2	µg/g	<2			1	20	96	70	130	116	70	130
Magnesium	3	µg/g	<3			4	20	99	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			2	20	97	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	98	70	130	102	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	113	70	130
Selenium	0.1	µg/g	<0.1			11	20	95	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	95	70	130	101	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	97	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	91	70	130	85	70	130
Uranium	0.002	µg/g	<0.002			10	20	102	70	130	105	70	130
Vanadium	1	µg/g	<1			4	20	97	70	130	103	70	130
Yttrium	0.004	µg/g	<0.004			3	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	101	70	130	103	70	130

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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. : 10 April 2024

LR Report: CA19777-APR24

Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Reissue

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001125-TARDG-001126-TARDG-001127-T Completed IR01C-10035MS IR01C-10035MS IR01C-10035MS Time	5: 66-Kwa-s	6: 66-Kwa-s	7: 66-Kwa-s
Sample Date & Time					01-Apr-24	01-Apr-24	01-Apr-24
Sample weight [g]	24-Apr-24	06:16	25-Apr-24	09:20	250	250	249
Volume D.I. Water [mL]	24-Apr-24	06:53	25-Apr-24	09:20	750	750	750
pH [no unit]	25-Apr-24	08:41	25-Apr-24	09:20	8.90	9.04	8.95
pH [No unit]	25-Apr-24	14:12	26-Apr-24	11:26	8.77	8.24	8.82
Conductivity [uS/cm]	25-Apr-24	14:12	26-Apr-24	11:26	523	239	495
Alkalinity [mg/L as CaCO3]	25-Apr-24	14:12	26-Apr-24	11:26	82	56	84
SO4 [mg/L]	30-Apr-24	08:08	03-May-24	13:38	4	20	18
Hg (diss) [mg/L]	26-Apr-24	15:48	29-Apr-24	13:31	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	0.425	0.612	0.471
As (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	0.0204	0.0589	0.0292
Ba (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	0.00580	0.00194	0.00718
B (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	0.010	0.014	0.010
Be (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	15.7	8.96	15.7
Cd (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	< 0.000003	< 0.000003	0.000006
Co (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	0.000077	0.000024	0.000104
Cr (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	< 0.00008	< 0.00008	0.00010
Cu (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	29.2	20.4	27.0
Li (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:07	0.0027	0.0014	0.0023
Mg (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	5.82	2.94	6.10
Mn (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.00272	0.00118	0.00402
Mo (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.0052	0.0090	0.0093
Na (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	17.6	17.8	20.6
Ni (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.0006	0.0003	0.0005
Pb (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	< 0.00009	0.00013	< 0.00009
Sb (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.0045	0.0056	0.0049

Online LIMS

0003753467

**SGS Canada Inc.**

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

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19777-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001125-T IR01C-10035MS 66-Kwa-s	6: ARDG-001126-T IR01C-10035MS 66-Kwa-s	7: ARDG-001127-T IR01C-10035MS 66-Kwa-s
Se (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.00015	0.00036	0.00074
Si (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	1.26	1.46	1.42
Sn (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.00011	0.00006	0.00007
Sr (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.105	0.0457	0.103
Ti (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.000031	0.000007	0.000038
U (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.000047	0.000085	0.000153
V (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.00062	0.00144	0.00088
W (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	0.0023	0.0023	0.0071
Y (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	29-Apr-24	14:21	30-Apr-24	14:06	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001128-T IR01C-10035MS 66-Kwa-s	9: ARDG-001129-T IR01C-10035MS 66-Kwa-s	10: ARDG-001130-T IR01C-10035MS 66-Kwa-s	11: ARDG-001131-T IR01C-10035MS 66-Kwa-s	12: ARDG-001131-T D.I. Leachate 66-Kwa-s	13:BLK: Blank
Sample Date & Time	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24		
Sample weight [g]	251	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.05	9.25	9.26	9.10	9.10	5.63
pH [No unit]	8.77	8.45	8.47	8.23	8.18	6.41
Conductivity [uS/cm]	381	217	217	292	288	2
Alkalinity [mg/L as CaCO3]	76	62	50	49	46	2
SO4 [mg/L]	26	7	9	21	24	< 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]	0.514	0.705	0.713	0.583	0.575	0.001
As (diss) [mg/L]	0.0376	0.133	0.0798	0.0737	0.0690	< 0.0002
Ba (diss) [mg/L]	0.00950	0.00174	0.00194	0.00318	0.00243	< 0.00008
B (diss) [mg/L]	0.011	0.012	0.013	0.019	0.019	< 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]	12.9	6.93	7.74	9.72	9.75	0.02
Cd (diss) [mg/L]	0.000005	0.000003	0.000004	0.000006	0.000004	< 0.000003
Co (diss) [mg/L]	0.000090	0.000028	0.000020	0.000032	0.000028	0.000004
Cr (diss) [mg/L]	< 0.00008	0.00012	0.00036	< 0.00008	0.00010	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.008	0.106	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	25.1	18.4	14.8	16.8	16.6	0.024
Li (diss) [mg/L]	0.0036	0.0013	0.0015	0.0018	0.0045	0.128
Mg (diss) [mg/L]	5.17	2.25	2.27	2.89	2.96	0.035
Mn (diss) [mg/L]	0.00236	0.00199	0.00168	0.00121	0.00203	0.00010
Mo (diss) [mg/L]	0.0089	0.0070	0.0065	0.0117	0.0108	< 0.0004
Na (diss) [mg/L]	21.5	19.2	20.4	28.8	28.5	0.02
Ni (diss) [mg/L]	0.0004	0.0003	0.0002	0.0003	0.0004	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00010	< 0.00009	< 0.00009	< 0.00009

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19777-APR24

Analysis	8: ARDG-001128-T IR01C-10035MS 66-Kwa-s	9: ARDG-001129-T IR01C-10035MS 66-Kwa-s	10: ARDG-001130-T IR01C-10035MS 66-Kwa-s	11: ARDG-001131-T IR01C-10035MS 66-Kwa-s	12: ARDG-001131-T IR01C-10035MS 66-Kwa-s	13:BLK: TSD.I. Leachate Blank
Sb (diss) [mg/L]	0.0052	0.0073	0.0051	0.0061	0.0058	< 0.0009
Se (diss) [mg/L]	0.00095	0.00017	0.00021	0.00019	0.00020	< 0.00004
Si (diss) [mg/L]	1.47	1.62	1.62	1.51	1.52	< 0.02
Sn (diss) [mg/L]	0.00006	0.00009	0.00008	0.00006	0.00012	< 0.00006
Sr (diss) [mg/L]	0.0711	0.0300	0.0316	0.0468	0.0469	< 0.00008
Ti (diss) [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000043	< 0.000005	0.000005	0.000008	0.000007	0.000017
U (diss) [mg/L]	0.000160	0.000158	0.000184	0.000173	0.000165	0.000012
V (diss) [mg/L]	0.00125	0.00249	0.00226	0.00158	0.00154	0.00010
W (diss) [mg/L]	0.0053	0.0024	0.0019	0.0019	0.0018	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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

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

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: EWL0619-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8005-MAY24													
Sulphate	2	mg/L	<2			0	20	101	80	120	116	75	125
Anions by discrete analyzer - QCBatchID: DIO8006-MAY24													
Sulphate	2	mg/L	<2			0	20	103	80	120	94	75	125
Anions by discrete analyzer - QCBatchID: DIO8089-APR24													
Sulphate	2	mg/L	<2			3	20	106	80	120	116	75	125
Conductivity - QCBatchID: EWL0619-APR24													
Conductivity	2	uS/cm	< 2			1	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0052-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	111	80	120	130	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0272-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			4	20	100	90	110	100	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	110	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	100	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	103	90	110	102	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	98	90	110	94	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	78	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	90	90	110	92	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	104	90	110	102	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			13	20	100	90	110	98	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	106	90	110	99	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	103	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	99	90	110	94	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	102	90	110	99	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			1	20	99	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	95	90	110	93	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	104	90	110	99	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	99	90	110	95	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	104	90	110	100	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			4	20	100	90	110	99	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	105	90	110	100	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	100	90	110	85	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	96	90	110	95	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			ND	20	99	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			6	20	101	90	110	94	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	95	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			9	20	103	90	110	100	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	103	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	98	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	107	70	130
pH - QCBatchID: EWL0619-APR24													
pH	0.05	No unit	NA			0		100			NA		



Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

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

Works #: Waste Rock OP TIR01
Project : PO#1380289

12-June-2024

Date Rec. : 10 April 2024
LR Report: CA19776-APR24
Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:	11:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-001125-TIARDG-001125-MS6R01C-10035MS6R01C-6-Kwa-s	TIARDG-001126-TIARDG-001126-MS6R01C-10035MS6R01C-6-Kwa-s	TIARDG-001127-TIARDG-001127-MS6R01C-10035MS6R01C-6-Kwa-s	TIARDG-001128-TIARDG-001128-MS6R01C-10035MS6R01C-6-Kwa-s	TIARDG-001129-TIARDG-001129-MS6R01C-10035MS6R01C-6-Kwa-s	TIARDG-001130-TIARDG-001130-MS6R01C-10035MS6R01C-6-Kwa-s	TIARDG-001131-TIARDG-001131-MS6R01C-10035MS6R01C-6-Kwa-s
Sample Date & Time					01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24
Ag [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	68000	60000	65000	68000	60000	67000	69000
As [µg/g]	13-May-24	17:29	13-May-24	11:28	97	240	41	39	150	61	84
Ba [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	790	680	780	800	620	750	580
Be [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	1.5	1.4	1.3	1.3	1.4	1.4	1.4
Bi [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	0.21	0.27	0.22	0.24	0.19	0.21	0.25
Ca [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	11000	12000	12000	13000	9500	12000	12000
Cd [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	0.13	0.11	0.12	0.10	0.10	0.14	0.13
Co [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	24	25	21	20	23	21	24
Cr [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	93	93	88	73	86	75	76
Cu [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	58	99	54	51	62	52	48
Fe [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	40000	42000	33000	34000	38000	35000	36000
K [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	22000	23000	17000	17000	21000	19000	19000
Li [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	47	46	32	34	45	41	44
Mg [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	15000	15000	12000	13000	14000	13000	14000
Mn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	350	350	350	370	330	340	370
Mo [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	1.8	1.8	1.5	1.8	1.6	1.6	1.7
Ni [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	86	90	68	69	80	74	76
P [µg/g]	13-May-24	17:29	05-Jun-24	09:37	480	470	450	450	500	460	470
Pb [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	21	18	16	14	13	15	21



SGS Canada Inc.

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Lakefield - Ontario - K0L 2H0

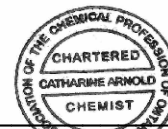
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19776-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001125-TIARDG-001125-MS6R01C-10035MS6R01C-6-Kwa-s	6: TIARDG-001126-TIARDG-001126-MS6R01C-10035MS6R01C-6-Kwa-s	7: TIARDG-001127-TIARDG-001127-MS6R01C-10035MS6R01C-6-Kwa-s	8: TIARDG-001128-TIARDG-001128-MS6R01C-10035MS6R01C-6-Kwa-s	9: TIARDG-001129-TIARDG-001129-MS6R01C-10035MS6R01C-6-Kwa-s	10: TIARDG-001130-TIARDG-001130-MS6R01C-10035MS6R01C-6-Kwa-s	11: TIARDG-001131-TIARDG-001131-MS6R01C-10035MS6R01C-6-Kwa-s
Sb [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	0.3	0.4	0.3	0.2	0.3	0.3	0.3
Sn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	280	220	330	330	250	260	260
Ti [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	820	810	1100	1100	910	780	810
Tl [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	0.58	0.59	0.46	0.47	0.56	0.51	0.51
U [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	1.9	1.9	1.4	1.7	1.8	1.8	2.1
V [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	100	97	77	80	96	84	85
Y [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	4.7	5.1	4.9	4.6	4.2	5.1	4.9
Zn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:43	96	95	78	84	93	90	86

Revised report with P and QC Report added.

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



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: EMS0097-MAY24													
Phosphorus	3	µg/g	<3			1		101					
QCR_SubCategory - QCBatchID: EMS0181-APR24													
Calcium	3	µg/g	<3			1		103			90		
Potassium	3	µg/g	<3			5		102			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0097-MAY24													
Arsenic	0.5	µg/g	<0.5			6	20	99	70	130			
Metals - Microwave/ICP-MS - QCBatchID: EMS0181-APR24													
Aluminum	3	µg/g	<3			4	20	103	70	130	104	70	130
Antimony	0.8	µg/g	<0.8			ND	20	104	70	130	120	70	130
Barium	0.01	µg/g	<0.01			6	20	93	70	130	109	70	130
Beryllium	0.02	µg/g	<0.02			4	20	97	70	130	99	70	130
Bismuth	0.09	µg/g	<0.09			6	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			1	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			16	20	98	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			17	20	100	70	130	99	70	130
Copper	0.1	µg/g	<0.1			6	20	97	70	130	108	70	130
Iron	3	µg/g	<3			2	20	103	70	130	98	70	130
Lead	0.05	µg/g	<0.05			7	20	96	70	130	112	70	130
Lithium	2	µg/g	<2			1	20	96	70	130	116	70	130
Magnesium	3	µg/g	<3			4	20	99	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			2	20	97	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	98	70	130	102	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	113	70	130
Selenium	0.1	µg/g	<0.1			11	20	95	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	95	70	130	101	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	97	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	91	70	130	85	70	130
Uranium	0.002	µg/g	<0.002			10	20	102	70	130	105	70	130
Vanadium	1	µg/g	<1			4	20	97	70	130	103	70	130
Yttrium	0.004	µg/g	<0.004			3	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	101	70	130	103	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 10 April 2024

LR Report: CA19775-APR24

Reference: Meliadine - PO#1380289

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-001125 -TIR01C-1003 5MS66-Kwa-s	6: ARDG-001126 -TIR01C-1003 5MS66-Kwa-s	7: ARDG-001127 -TIR01C-1003 5MS66-Kwa-s
Sample Date & Time					01-Apr-24	01-Apr-24	01-Apr-24
Paste pH [no unit]	24-Apr-24	13:21	25-Apr-24	09:24	8.22	9.01	8.67
Fizz Rate [rating]	23-Apr-24	14:55	25-Apr-24	09:24	3	3	3
Sample weight [g]	22-Apr-24	12:15	25-Apr-24	09:24	2.05	2.03	2.00
HCl_add [mL]	24-Apr-24	13:38	25-Apr-24	09:24	27.40	29.50	39.00
HCl [Normality]	23-Apr-24	15:35	25-Apr-24	09:24	0.10	0.10	0.10
NaOH [Normality]	23-Apr-24	15:35	25-Apr-24	09:24	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	24-Apr-24	20:17	25-Apr-24	09:24	10.52	10.86	19.44
Final pH [no unit]	24-Apr-24	15:30	25-Apr-24	09:24	1.83	1.86	1.56
NP [t CaCO3/1000 t]	24-Apr-24	20:17	25-Apr-24	09:24	41.2	45.9	48.9
AP [t CaCO3/1000 t]	25-Apr-24	11:33	25-Apr-24	11:33	4.06	7.81	5.00
Net NP [t CaCO3/1000 t]	25-Apr-24	11:33	25-Apr-24	11:33	37.1	38.1	43.9
NP/AP [ratio]	25-Apr-24	11:33	25-Apr-24	11:33	10.1	5.88	9.78
S [%]	24-Apr-24	10:53	25-Apr-24	11:33	0.232	0.448	0.250
Acid Leachable SO4-S [%]	25-Apr-24	11:19	25-Apr-24	11:33	0.10	0.20	0.09
Sulphide [%]	25-Apr-24	11:16	25-Apr-24	11:33	0.13	0.25	0.16
C [%]	24-Apr-24	10:53	25-Apr-24	09:17	0.656	0.705	0.765
CO3 (HCl) as %CO3 [%]	25-Apr-24	08:36	25-Apr-24	09:17	2.79	2.96	3.23

Analysis	8: ARDG-001128 -TIR01C-1003 5MS66-Kwa-s	9: ARDG-001129 -TIR01C-1003 5MS66-Kwa-s	10: ARDG-001130 -TIR01C-1003 5MS66-Kwa-s	11: ARDG-001131 -TIR01C-1003 5MS66-Kwa-s
Sample Date & Time	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24
Paste pH [no unit]	8.72	9.22	9.13	8.93
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.01	2.01	1.98	2.00
HCl_add [mL]	39.30	30.70	28.90	30.30

Analysis	8:	9:	10:	11:
	ARDG-001128	ARDG-001129	ARDG-001130	ARDG-001131
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003
	5MS66-Kwa-s	5MS66-Kwa-s	5MS66-Kwa-s	5MS66-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]	18.70	15.18	10.17	13.21
Final pH [no unit]	1.62	1.63	1.85	1.56
NP [t CaCO3/1000 t]	51.2	38.6	47.3	42.7
AP [t CaCO3/1000 t]	4.38	2.19	4.69	4.38
Net NP [t CaCO3/1000 t]	46.8	36.4	42.6	38.3
NP/AP [ratio]	11.7	17.6	10.1	9.76
S [%]	0.218	0.191	0.257	0.233
Acid Leachable SO4-S [%]	0.08	0.12	0.11	0.09
Sulphide [%]	0.14	0.07	0.15	0.14
C [%]	0.779	0.618	0.684	0.629
CO3 (HCl) as %CO3 [%]	3.37	2.52	3.08	2.73

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0086-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0087-APR24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	13
Sulphur (total)	0.005	%	<0.005			5	20				98	70	13
Carbon/Sulphur - QCBatchID: ECS0089-APR24													
Sulphide	0.04	%	< 0.01			1	20	109	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 19 April 2024

LR Report: CA19823-APR24

Reference: Meliadine - PO#1380289

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-001167 -TIR01D-1004 OMS04-MV	6: ARDG-001168 -TIR01D-1004 OMS04-MV	7: ARDG-001169 -TIR01D-1004 OMS04-kwa-s
Sample Date & Time					12-Apr-24	12-Apr-24	12-Apr-24
Sample weight [g]	06-May-24	06:57	07-May-24	09:29	249	252	249
Volume D.I. Water [mL]	06-May-24	07:38	07-May-24	09:29	750	750	750
pH [no unit]	07-May-24	08:44	07-May-24	09:29	9.08	9.04	9.20
pH [No unit]	07-May-24	14:29	08-May-24	11:02	8.53	8.42	9.23
Conductivity [uS/cm]	07-May-24	14:29	08-May-24	11:02	316	326	247
Alkalinity [mg/L as CaCO3]	07-May-24	14:29	08-May-24	11:02	67	67	84
SO4 [mg/L]	12-May-24	11:37	13-May-24	15:40	21	22	10
Hg (diss) [mg/L]	09-May-24	09:32	15-May-24	17:01	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.576	0.580	0.509
As (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.201	0.188	0.130
Ba (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.00226	0.00268	0.00578
B (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.028	0.028	0.055
Be (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	10.1	10.3	7.12
Cd (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.000007	0.000006	0.000003
Co (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.000023	0.000027	0.000029
Cr (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00008	< 0.00008	0.00053
Cu (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.007	< 0.007	0.017
K (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	23.7	23.7	26.6
Li (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0009	0.0009	0.0015
Mg (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	3.55	3.53	2.32
Mn (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.00087	0.00144	0.00054
Mo (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0117	0.0111	0.0086
Na (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	30.0	31.0	22.2
Ni (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0002	0.0002	0.0002

Online LIMS

0003749689

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

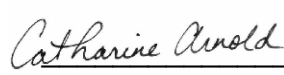
LR Report : CA19823-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001167 -TIR01D-1004 0MS04-MV	6: ARDG-001168 -TIR01D-1004 0MS04-MV	7: ARDG-001169 -TIR01D-1004 0MS04-kwa-s
Pb (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.00010	< 0.00009	< 0.00009
Sb (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0077	0.0071	0.0071
Se (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.00059	0.00057	0.00023
Si (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	1.78	1.75	2.02
Sn (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0317	0.0330	0.0468
Ti (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0003	< 0.0001	0.0015
Tl (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.000013	0.000013	0.000027
U (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.000153	0.000171	0.000321
V (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.00169	0.00161	0.00232
W (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.00334	0.00305	0.00321
Y (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00002	< 0.00002	0.00003
Zn (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001170 -TIR01D-1004 0MS04-kwa-s	9: ARDG-001171 -TIR01D-1004 0MS04-kwa-s	10: ARDG-001172 -TIR01D-1004 0MS04-kwa-s	11: ARDG-001173 -TIR01D-1004 0MS04-kwa-s	12: ARDG-001174 -TIR01D-1004 0MS04-kwa-s	13: ARDG-001175 -TIR01D-1004 0MS04-kwa-s
Sample Date & Time	12-Apr-24	13-Apr-24	13-Apr-24	13-Apr-24	13-Apr-24	13-Apr-24
Sample weight [g]	250	250	249	251	249	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.25	9.07	8.83	8.84	9.10	9.11
pH [No unit]	9.33	8.35	8.25	8.28	9.18	9.19
Conductivity [uS/cm]	235	262	322	327	243	266
Alkalinity [mg/L as CaCO3]	76	63	70	58	72	71
SO4 [mg/L]	18	15	35	72	29	15
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]	0.553	0.652	0.478	0.569	0.508	0.465
As (diss) [mg/L]	0.114	0.115	0.0059	0.0053	0.0169	0.181
Ba (diss) [mg/L]	0.00320	0.00202	0.00563	0.00492	0.00306	0.00340
B (diss) [mg/L]	0.052	0.037	0.030	0.011	0.038	0.049
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]	6.93	8.79	14.4	18.3	9.30	7.95
Cd (diss) [mg/L]	0.000003	0.000004	0.000010	0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000028	0.000023	0.000016	0.000041	0.000018	0.000035
Cr (diss) [mg/L]	0.00035	0.00013	< 0.00008	0.00010	0.00038	0.00039
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.021	< 0.007	< 0.007	< 0.007	0.013	0.010
K (diss) [mg/L]	17.9	22.2	18.9	21.1	16.1	17.2
Li (diss) [mg/L]	0.0014	0.0009	0.0020	0.0025	0.0017	0.0016
Mg (diss) [mg/L]	1.99	2.73	4.43	6.97	3.00	2.65

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-001170	ARDG-001171	ARDG-001172	ARDG-001173	ARDG-001174	ARDG-001175
	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004
	OMS04-kwa-s	OMS04-kwa-s	OMS04-kwa-s	OMS04-kwa-s	OMS04-kwa-s	OMS04-kwa-s
Mn (diss) [mg/L]	0.00090	0.00149	0.00280	0.00450	0.00079	0.00053
Mo (diss) [mg/L]	0.0053	0.0125	0.0073	0.0070	0.0050	0.0064
Na (diss) [mg/L]	26.1	23.3	27.7	17.6	24.2	29.2
Ni (diss) [mg/L]	0.0002	0.0002	0.0003	0.0002	0.0002	0.0004
Pb (diss) [mg/L]	0.00016	< 0.00009	0.00126	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0055	0.0048	0.0021	0.0063	0.0091	0.0070
Se (diss) [mg/L]	0.00027	0.00026	0.00031	0.00102	0.00085	0.00027
Si (diss) [mg/L]	2.03	1.73	1.48	1.75	2.05	1.98
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0312	0.0258	0.0863	0.0790	0.0369	0.0351
Ti (diss) [mg/L]	0.0009	0.0002	< 0.0001	0.0001	0.0006	0.0005
Tl (diss) [mg/L]	0.000007	0.000008	0.000009	0.000018	0.000006	< 0.000005
U (diss) [mg/L]	0.000281	0.000224	0.000320	0.00106	0.000263	0.000220
V (diss) [mg/L]	0.00294	0.00185	0.00027	0.00103	0.00215	0.00252
W (diss) [mg/L]	0.00312	0.00291	0.00140	0.00456	0.00276	0.00190
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00003
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

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: EWL0158-MAY24													
Alkalinity	2	mg/L as Ca	2			0	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5002-MAY24													
Sulphate	2	mg/L	<2			1	20	107	80	120	104	75	
Anions by discrete analyzer - QCBatchID: DIO8027-MAY24													
Sulphate	2	mg/L	<2			1	20	107	80	120	104	75	
Conductivity - QCBatchID: EWL0158-MAY24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0014-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	120	80	120	122	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0076-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			5	20	99	90	110	101	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	100	90	110	104	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	100	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			6	20	98	90	110	98	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	106	90	110	108	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	74	70	
Boron (dissolved)	0.002	mg/L	<0.002			1	20	98	90	110	101	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	100	70	
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	101	90	110	102	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			13	20	101	90	110	113	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	97	90	110	95	70	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	96	70	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	103	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	98	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	102	90	110	102	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			4	20	98	90	110	95	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	100	90	110	97	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	98	90	110	90	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	100	70	
Potassium (dissolved)	0.009	mg/L	<0.009			4	20	101	90	110	95	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	104	90	110	124	70	
Silicon (dissolved)	0.02	mg/L	<0.02			10	20	102	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	79	70	
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	97	90	110	97	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			3	20	100	90	110	99	70	

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	101	90	110	97	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	101	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	99	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	99	90	110	100	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	102	70	130
pH - QCBatchID: EWL0158-MAY24													
pH	0.05	No unit	NA			0		119			NA		



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0
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#1380289

12-June-2024

Date Rec. : 19 April 2024
LR Report: CA19819-APR24
Reference: Meliadine - PO#1380289

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-001160-T IR01C-10035MS 68-kwa-s	6: ARDG-001161-T IR01C-10035MS 68-kwa-s	7: ARDG-001162-T IR01C-10035MS 68-kwa-s	8: ARDG-001163-T IR01C-10035MS 68-kwa-s	9: ARDG-001164-T IR01C-10035MS 68-kwa-s	10: ARDG-001165-T IR01C-10035MS 68-kwa-s	11: ARDG-001166-T IR01C-10035MS 68-kwa-s
Sample Date & Time					10-Apr-24	10-Apr-24	10-Apr-24	10-Apr-24	10-Apr-24	10-Apr-24	11-Apr-24
Ag [µg/g]	15-May-24	16:19	15-May-24	12:43	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	15-May-24	16:19	15-May-24	12:43	94000	95000	91000	93000	78000	88000	80000
As [µg/g]	15-May-24	16:19	15-May-24	12:43	7.1	7.3	36	360	140	280	34
Ba [µg/g]	15-May-24	16:19	15-May-24	12:43	1100	1200	760	750	580	940	1700
Be [µg/g]	15-May-24	16:19	15-May-24	12:43	1.3	1.3	1.3	1.3	1.3	1.4	1.5
Bi [µg/g]	15-May-24	16:19	15-May-24	12:43	0.17	0.21	0.25	0.19	0.74	0.38	0.21
Ca [µg/g]	15-May-24	16:19	15-May-24	12:43	15000	15000	17000	11000	11000	12000	12000
Cd [µg/g]	15-May-24	16:19	15-May-24	12:43	0.09	0.11	0.18	0.11	0.11	0.09	0.11
Co [µg/g]	15-May-24	16:19	15-May-24	12:43	22	23	27	25	22	22	23
Cr [µg/g]	15-May-24	16:19	15-May-24	12:43	180	180	210	180	180	180	180
Cu [µg/g]	15-May-24	16:19	15-May-24	12:43	52	46	69	59	50	49	52
Fe [µg/g]	15-May-24	16:19	15-May-24	12:43	42000	44000	42000	43000	39000	41000	41000
K [µg/g]	15-May-24	16:19	15-May-24	12:43	22000	22000	18000	21000	19000	20000	20000
Li [µg/g]	15-May-24	16:19	15-May-24	12:43	42	42	43	51	45	46	46
Mg [µg/g]	15-May-24	16:19	15-May-24	12:43	17000	17000	15000	17000	13000	16000	13000
Mn [µg/g]	15-May-24	16:19	15-May-24	12:43	510	480	470	400	410	420	430
Mo [µg/g]	15-May-24	16:19	15-May-24	12:43	1.5	1.6	1.6	1.6	1.6	1.6	2.6
Ni [µg/g]	15-May-24	16:19	15-May-24	12:43	85	86	84	85	76	83	81
P [µg/g]	15-May-24	16:19	05-Jun-24	09:37	490	520	490	470	440	470	550
Pb [µg/g]	15-May-24	16:19	15-May-24	12:43	13	13	14	12	47	20	19



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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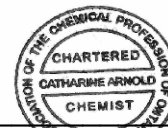
mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19819-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001160-T Completed IR01C-10035MS Time	5: ARDG-001161-T 68-kwa-s	6: ARDG-001162-T 68-kwa-s	7: ARDG-001163-T 68-kwa-s	8: ARDG-001164-T 68-kwa-s	9: ARDG-001165-T 68-kwa-s	10: ARDG-001166-T 68-kwa-s	11: ARDG-001166-T 68-kwa-s
Sb [µg/g]	15-May-24	16:19	15-May-24	12:43	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	15-May-24	16:19	15-May-24	12:43	0.3	0.4	0.4	0.3	0.3	0.3	0.3
Sn [µg/g]	15-May-24	16:19	15-May-24	12:43	6	6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	15-May-24	16:19	15-May-24	12:43	500	500	460	310	280	390	490
Ti [µg/g]	15-May-24	16:19	15-May-24	12:43	2000	2400	1500	1000	1300	1600	2300
Tl [µg/g]	15-May-24	16:19	15-May-24	12:43	0.61	0.63	0.46	0.53	0.49	0.52	0.55
U [µg/g]	15-May-24	16:19	15-May-24	12:43	2.0	2.0	2.3	1.9	1.8	2.0	1.9
V [µg/g]	15-May-24	16:19	15-May-24	12:43	120	130	120	120	110	120	110
Y [µg/g]	15-May-24	16:19	15-May-24	12:43	8.9	9.0	9.8	7.8	6.0	7.3	6.9
Zn [µg/g]	15-May-24	16:19	15-May-24	12:43	79	81	100	92	80	89	85

Bulk Metals Suite

Revised report with P and QC Report added.

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



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: EMS0130-MAY24													
Calcium	3	µg/g	<3			5		96					
Phosphorus	3	µg/g	<3			8		95					
Potassium	3	µg/g	<3			3		99					
Metals - Microwave/ICP-MS - QCBatchID: EMS0130-MAY24													
Aluminum	3	µg/g	<3			8	20	99	70	130			
Antimony	0.8	µg/g	<0.8			ND	20	108	70	130			
Arsenic	0.5	µg/g	<0.5			1	20	104	70	130			
Barium	0.01	µg/g	<0.01			3	20	92	70	130			
Beryllium	0.02	µg/g	<0.02			1	20	93	70	130			
Bismuth	0.09	µg/g	<0.09			ND	20	97	70	130			
Cadmium	0.02	µg/g	<0.02			6	20	105	70	130			
Chromium	0.5	µg/g	<0.5			3	20	106	70	130			
Cobalt	0.01	µg/g	<0.01			3	20	102	70	130			
Copper	0.1	µg/g	<0.1			8	20	102	70	130			
Iron	3	µg/g	<3			2	20	98	70	130			
Lead	0.05	µg/g	<0.05			1	20	95	70	130			
Lithium	2	µg/g	<2			5	20	93	70	130			
Magnesium	3	µg/g	<0.1			9	20	102	70	130			
Manganese	0.1	µg/g	<0.1			4	20	105	70	130			
Molybdenum	0.1	µg/g	<0.1			4	20	99	70	130			
Nickel	0.1	µg/g	<0.1			1	20	104	70	130			
Selenium	0.1	µg/g	<0.1			6	20	103	70	130			
Silver	0.5	µg/g	<0.01			10	20	104	70	130			
Strontium	0.02	µg/g	<0.02			4	20	100	70	130			
Thallium	0.02	µg/g	<0.02			15	20	NV	70	130			
Tin	6	µg/g	<6			ND	20	102	70	130			
Titanium	0.1	µg/g	<0.1			4	20	104	70	130			
Uranium	0.002	µg/g	<0.002			1	20	94	70	130			
Vanadium	1	µg/g	<1			4	20	102	70	130			
Yttrium	0.004	µg/g	<0.004			9	20	101	70	130			
Zinc	0.7	µg/g	<0.7			2	20	101	70	130			

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-2024

Agnico Eagle Mines Limited

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 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

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Date Rec. : 19 April 2024

LR Report: CA19820-APR24

Reference: Meliadine - PO#1380289

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-001160-TARDG-001161-TARDG-001162-T IR01C-10035MS IR01C-10035MS IR01C-10035MS 68-kwa-s	6: IR01C-10035MS IR01C-10035MS IR01C-10035MS 68-kwa-s	7: IR01C-10035MS IR01C-10035MS IR01C-10035MS 68-kwa-s
Sample Date & Time					10-Apr-24	10-Apr-24	10-Apr-24
Sample weight [g]	02-May-24	06:57	03-May-24	14:21	249	250	250
Volume D.I. Water [mL]	02-May-24	07:46	03-May-24	14:21	750	750	750
pH [no unit]	03-May-24	06:29	03-May-24	14:21	9.06	9.03	8.90
pH [No unit]	03-May-24	09:42	06-May-24	09:50	8.37	8.42	8.27
Conductivity [uS/cm]	03-May-24	09:42	06-May-24	09:50	234	235	253
Alkalinity [mg/L as CaCO3]	03-May-24	09:42	06-May-24	09:50	60	57	57
SO4 [mg/L]	09-May-24	11:28	09-May-24	15:44	31	30	38
Hg (diss) [mg/L]	07-May-24	12:44	08-May-24	10:54	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.647	0.648	0.652
As (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.0043	0.0034	0.0307
Ba (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.00435	0.00444	0.00428
B (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.011	0.010	0.010
Be (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	11.4	11.4	12.4
Cd (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.000012	0.000003	0.000017
Co (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.000011	0.000018	0.000036
Cr (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	19.9	20.0	20.1
Li (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.0012	0.0012	0.0015
Mg (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	4.30	4.20	4.21
Mn (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.00156	0.00162	0.00189
Mo (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.0046	0.0048	0.0060
Na (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	15.7	16.0	17.9
Ni (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.0001	0.0002	0.0002
Pb (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.00012	< 0.00009	0.00014
Sb (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.0015	0.0015	0.0051

**SGS Canada Inc.**

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Lakefield - Ontario - KOL 2HO

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mel

Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19820-APR24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001160-T IR01C-10035MS 68-kwa-s	6: ARDG-001161-T IR01C-10035MS 68-kwa-s	7: ARDG-001162-T IR01C-10035MS 68-kwa-s
Se (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.00028	0.00031	0.00069
Si (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	1.66	1.71	1.73
Sn (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.0613	0.0616	0.0611
Ti (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.000018	0.000017	0.000013
U (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.000131	0.000119	0.000286
V (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.00127	0.00126	0.00155
W (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	0.0022	0.0020	0.0028
Y (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	06-May-24	19:42	08-May-24	10:54	< 0.002	< 0.002	0.003

Analysis	8: ARDG-001163-T IR01C-10035MS 68-kwa-s	9: ARDG-001164-T IR01C-10035MS 68-kwa-s	10: ARDG-001165-T IR01C-10035MS 68-kwa-s	11: ARDG-001166-T IR01C-10035MS 68-kwa-s	12: ARDG-001166-T IR01C-10035MS 68-kwa-s	13:BLK: Leachate Blank
Sample Date & Time	10-Apr-24	10-Apr-24	10-Apr-24	11-Apr-24		
Sample weight [g]	251	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.16	9.17	9.28	9.21	9.21	5.70
pH [No unit]	8.62	8.50	8.72	8.60	8.44	5.23
Conductivity [uS/cm]	202	196	174	195	191	4
Alkalinity [mg/L as CaCO3]	63	59	59	58	54	< 2
SO4 [mg/L]	16	16	5	7	7	< 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]	0.802	0.760	0.923	0.878	0.880	< 0.001
As (diss) [mg/L]	0.124	0.0657	0.111	0.0222	0.0217	< 0.0002
Ba (diss) [mg/L]	0.00223	0.00168	0.00287	0.00483	0.00489	< 0.00008
B (diss) [mg/L]	0.012	0.012	0.012	0.013	0.012	< 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]	7.24	7.58	6.40	7.45	7.44	0.05
Cd (diss) [mg/L]	0.000007	0.000013	0.000007	0.000011	0.000007	0.000016
Co (diss) [mg/L]	0.000045	0.000016	0.000078	0.000024	0.000021	0.000005
Cr (diss) [mg/L]	0.00012	< 0.00008	0.00036	0.00037	< 0.00008	0.00077
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.024	< 0.007	0.088	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	20.3	19.9	17.3	18.1	17.8	0.080
Li (diss) [mg/L]	0.0012	0.0012	0.0011	0.0016	0.0017	< 0.0001
Mg (diss) [mg/L]	2.38	2.28	1.77	2.05	2.02	0.010
Mn (diss) [mg/L]	0.00114	0.00092	0.00182	0.00096	0.00098	0.00098
Mo (diss) [mg/L]	0.0080	0.0122	0.0059	0.0152	0.0142	0.0025
Na (diss) [mg/L]	17.8	16.6	15.6	17.9	16.9	0.01
Ni (diss) [mg/L]	0.0003	0.0002	0.0005	0.0002	0.0002	< 0.0001
Pb (diss) [mg/L]	0.00011	0.00015	0.00018	< 0.00009	< 0.00009	0.00011

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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19820-APR24

Analysis	8: ARDG-001163-T IR01C-10035MS 68-kwa-s	9: ARDG-001164-T IR01C-10035MS 68-kwa-s	10: ARDG-001165-T IR01C-10035MS 68-kwa-s	11: ARDG-001166-T IR01C-10035MS 68-kwa-s	12: ARDG-001166-TSD.I. IR01C-10035MS 68-kwa-s	13:BLK: Leachate Blank
Sb (diss) [mg/L]	0.0069	0.0081	0.0074	0.0068	0.0069	< 0.0009
Se (diss) [mg/L]	0.00018	0.00020	0.00019	0.00015	0.00014	< 0.00004
Si (diss) [mg/L]	1.78	1.74	1.84	1.62	1.62	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0325	0.0328	0.0325	0.0475	0.0478	0.00009
Ti (diss) [mg/L]	0.0003	0.0001	0.0006	0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000008	0.000005	0.000007	0.000005	0.000006	< 0.000005
U (diss) [mg/L]	0.000218	0.000235	0.000321	0.000221	0.000219	< 0.000002
V (diss) [mg/L]	0.00306	0.00237	0.00338	0.00212	0.00211	0.00004
W (diss) [mg/L]	0.0033	0.0035	0.0028	0.0050	0.0049	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	0.00004	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	0.004	0.007	< 0.002	0.062

Reissued to include QC Report

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



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

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: EWL0076-MAY24													
Alkalinity	2	mg/L as Ca	< 2			1	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8018-MAY24													
Sulphate	2	mg/L	<2			ND	20	102	80	120	101	75 125	
Conductivity - QCBatchID: EWL0076-MAY24													
Conductivity	2	uS/cm	2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0008-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	109	80	120	96	70 130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0038-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	97	90	110	110	70 130	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	101	90	110	125	70 130	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	98	70 130	
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	96	90	110	104	70 130	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	103	70 130	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	74	70 130	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	99	70 130	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	99	90	110	102	70 130	
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	97	90	110	102	70 130	
Chromium (dissolved)	0.00008	mg/L	<0.00008			3	20	101	90	110	101	70 130	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	96	90	110	97	70 130	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	92	70 130	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	103	90	110	100	70 130	
Lead (dissolved)	0.00009	mg/L	<0.00009			7	20	95	90	110	99	70 130	
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	112	70 130	
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	99	90	110	99	70 130	
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	93	90	110	101	70 130	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			5	20	97	90	110	106	70 130	
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	103	70 130	
Potassium (dissolved)	0.009	mg/L	<0.009			5	20	97	90	110	91	70 130	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	97	90	110	117	70 130	
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	98	90	110	NV	70 130	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	84	70 130	
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	101	90	110	105	70 130	
Strontium (dissolved)	0.00008	mg/L	<0.00008			7	20	92	90	110	94	70 130	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	99	90	110	97	70 130	
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	99	90	110	NV	70 130	

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)	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	100	90	110	104	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	94	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			2	20	100	90	110	109	70	130
pH - QCBatchID: EWL0076-MAY24													
pH	0.05	No unit	NA			1		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

12-June-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. : 19 April 2024
 LR Report: CA19822-APR24
 Reference: Meliadine - PO#1380289

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-001167-T IR01D-10040MS 04-MV	6: ARDG-001168-T IR01D-10040MS 04-MV	7: ARDG-001169-T IR01D-10040MS 04-kwa-s	8: ARDG-001170-T IR01D-10040MS 04-kwa-s	9: ARDG-001171-T IR01D-10040MS 04-kwa-s
Sample Date & Time					12-Apr-24	12-Apr-24	12-Apr-24	12-Apr-24	13-Apr-24
Ag [µg/g]	13-May-24	17:29	13-May-24	11:28	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	13-May-24	17:29	13-May-24	11:28	74000	90000	88000	85000	90000
As [µg/g]	13-May-24	17:29	13-May-24	11:28	2300	1600	580	320	440
Ba [µg/g]	13-May-24	17:29	13-May-24	11:28	510	610	1900	860	600
Be [µg/g]	13-May-24	17:29	13-May-24	11:28	1.6	1.6	2.1	1.4	1.5
Bi [µg/g]	13-May-24	17:29	13-May-24	11:28	0.32	0.26	0.29	0.15	0.13
Ca [µg/g]	13-May-24	17:29	13-May-24	11:28	11000	14000	12000	12000	15000
Cd [µg/g]	13-May-24	17:29	13-May-24	11:28	0.08	0.08	0.09	0.10	0.08
Co [µg/g]	13-May-24	17:29	13-May-24	11:28	25	24	20	20	25
Cr [µg/g]	13-May-24	17:29	13-May-24	11:28	200	180	130	140	170
Cu [µg/g]	13-May-24	17:29	13-May-24	11:28	53	55	57	36	39
Fe [µg/g]	13-May-24	17:29	13-May-24	11:28	54000	54000	47000	41000	55000
K [µg/g]	13-May-24	17:29	13-May-24	11:28	26000	26000	35000	21000	25000
Li [µg/g]	13-May-24	17:29	13-May-24	11:28	37	38	47	45	40
Mg [µg/g]	13-May-24	17:29	13-May-24	11:28	12000	17000	15000	16000	16000
Mn [µg/g]	13-May-24	17:29	13-May-24	11:28	280	310	330	350	400
Mo [µg/g]	13-May-24	17:29	13-May-24	11:28	4.1	3.0	1.8	1.3	1.5
Ni [µg/g]	13-May-24	17:29	13-May-24	11:28	85	83	64	70	81
P [µg/g]	13-May-24	17:29	05-Jun-24	09:38	430	440	430	450	470
Pb [µg/g]	13-May-24	17:29	13-May-24	11:28	66	50	26	12	7
Sb [µg/g]	13-May-24	17:29	13-May-24	11:28	< 0.8	0.9	< 0.8	< 0.8	< 0.8
Se [µg/g]	13-May-24	17:29	13-May-24	11:28	0.3	0.3	0.3	0.2	0.3
Sn [µg/g]	13-May-24	17:29	13-May-24	11:28	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	13-May-24	17:29	13-May-24	11:28	110	140	360	340	130
Ti [µg/g]	13-May-24	17:29	13-May-24	11:28	3800	3800	2700	1300	3800
Tl [µg/g]	13-May-24	17:29	13-May-24	11:28	0.57	0.57	0.81	0.47	0.56
U [µg/g]	13-May-24	17:29	13-May-24	11:28	1.7	1.7	2.0	1.8	1.9
V [µg/g]	13-May-24	17:29	13-May-24	11:28	140	140	99	100	140
Y [µg/g]	13-May-24	17:29	13-May-24	11:28	5.2	7.2	6.4	7.3	8.3
Zn [µg/g]	13-May-24	17:29	13-May-24	11:28	76	78	89	81	77

SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0
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mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

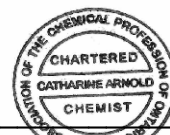
LR Report : CA19822-APR24

Analysis	10: ARDG-001172-T IR01D-10040MS 04-kwa-s	11: ARDG-001173-T IR01D-10040MS 04-kwa-s	12: ARDG-001174-T IR01D-10040MS 04-kwa-s	13: ARDG-001175-T IR01D-10040MS 04-kwa-s
Sample Date & Time	13-Apr-24	13-Apr-24	13-Apr-24	13-Apr-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	69000	71000	78000	83000
As [µg/g]	73	20	22	55
Ba [µg/g]	500	520	610	830
Be [µg/g]	1.3	1.1	1.1	1.2
Bi [µg/g]	< 0.09	0.23	0.20	0.17
Ca [µg/g]	21000	15000	14000	12000
Cd [µg/g]	0.09	0.10	0.12	0.12
Co [µg/g]	7.8	18	17	19
Cr [µg/g]	48	150	140	140
Cu [µg/g]	20	69	41	40
Fe [µg/g]	66000	31000	34000	37000
K [µg/g]	16000	17000	18000	20000
Li [µg/g]	22	23	30	36
Mg [µg/g]	7900	10000	12000	15000
Mn [µg/g]	300	320	350	330
Mo [µg/g]	1.1	1.1	1.1	1.3
Ni [µg/g]	17	56	60	66
P [µg/g]	400	400	440	450
Pb [µg/g]	7	9	11	11
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.1	0.3	0.3	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	320	310	330	360
Ti [µg/g]	1900	3100	3200	1200
Tl [µg/g]	0.32	0.39	0.41	0.44
U [µg/g]	1.2	1.9	2.0	1.7
V [µg/g]	45	75	88	94
Y [µg/g]	5.6	6.8	7.1	7.0
Zn [µg/g]	51	53	69	73

Bulk Metals Suite

Revised report with P and QC Report added.

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



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: EMS0097-MAY24													
Calcium	3	µg/g	<3			1		101					
Phosphorus	3	µg/g	<3			1		101					
Potassium	3	µg/g	<3			3		107					
Metals - Microwave/ICP-MS - QCBatchID: EMS0097-MAY24													
Aluminum	3	µg/g	<3			2	20	106	70	130			
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130			
Arsenic	0.5	µg/g	<0.5			6	20	99	70	130			
Barium	0.01	µg/g	<0.01			2	20	91	70	130			
Beryllium	0.02	µg/g	<0.02			6	20	102	70	130			
Bismuth	0.09	µg/g	<0.09			3	20	101	70	130			
Cadmium	0.02	µg/g	<0.02			14	20	100	70	130			
Chromium	0.5	µg/g	<0.5			2	20	101	70	130			
Cobalt	0.01	µg/g	<0.01			4	20	98	70	130			
Copper	0.1	µg/g	<0.1			4	20	99	70	130			
Iron	3	µg/g	<3			4	20	105	70	130			
Lead	0.05	µg/g	<0.05			1	20	96	70	130			
Lithium	2	µg/g	<2			2	20	100	70	130			
Magnesium	3	µg/g	<0.1			0	20	110	70	130			
Manganese	0.1	µg/g	<0.1			2	20	97	70	130			
Molybdenum	0.1	µg/g	<0.1			20	20	104	70	130			
Nickel	0.1	µg/g	<0.1			1	20	102	70	130			
Selenium	0.1	µg/g	<0.1			3	20	100	70	130			
Silver	0.5	µg/g	<0.01			4	20	100	70	130			
Strontium	0.02	µg/g	<0.02			1	20	97	70	130			
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130			
Tin	6	µg/g	<6			ND	20	106	70	130			
Titanium	0.1	µg/g	<0.1			2	20	108	70	130			
Uranium	0.002	µg/g	<0.002			2	20	100	70	130			
Vanadium	1	µg/g	<1			1	20	98	70	130			
Yttrium	0.004	µg/g	<0.004			1	20	100	70	130			
Zinc	0.7	µg/g	<0.7			1	20	100	70	130			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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. : 19 April 2024

LR Report: CA19821-APR24

Reference: Meliadine - PO#1380289

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-001167-T IR01D-10040MS 04-MV	6: ARDG-001168-T IR01D-10040MS 04-MV	7: ARDG-001169-T IR01D-10040MS 04-kwa-s	8: ARDG-001170-T IR01D-10040MS 04-kwa-s
Sample Date & Time					12-Apr-24	12-Apr-24	12-Apr-24	12-Apr-24
Paste pH [no unit]	30-Apr-24	13:59	30-Apr-24	14:36	9.00	8.99	9.20	9.29
Fizz Rate [rating]	29-Apr-24	08:32	30-Apr-24	14:36	3	3	3	3
Sample weight [g]	25-Apr-24	17:24	30-Apr-24	14:36	2.01	2.00	2.03	1.99
HCl_add [mL]	30-Apr-24	06:35	30-Apr-24	14:36	151.60	41.30	40.00	29.30
HCl [Normality]	29-Apr-24	08:43	30-Apr-24	14:36	0.10	0.10	0.10	0.10
NaOH [Normality]	29-Apr-24	08:43	30-Apr-24	14:36	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	30-Apr-24	14:14	30-Apr-24	14:36	21.65	20.56	20.14	12.41
Final pH [no unit]	30-Apr-24	08:33	30-Apr-24	14:36	1.52	1.53	1.54	1.71
NP [t CaCO3/1000 t]	30-Apr-24	14:14	30-Apr-24	14:36	323	51.9	48.9	42.4
AP [t CaCO3/1000 t]	30-Apr-24	14:36	30-Apr-24	14:36	6.25	6.25	9.38	2.50
Net NP [t CaCO3/1000 t]	30-Apr-24	14:36	30-Apr-24	14:36	317	45.6	39.5	39.9
NP/AP [ratio]	30-Apr-24	14:36	30-Apr-24	14:36	51.7	8.30	5.22	17.0
S [%]	29-Apr-24	13:38	30-Apr-24	08:53	0.263	0.264	0.473	0.138
Acid Leachable SO4-S [%]	30-Apr-24	06:53	30-Apr-24	08:53	0.06	0.06	0.17	0.06
Sulphide [%]	29-Apr-24	12:28	30-Apr-24	08:53	0.20	0.20	0.30	0.08
C [%]	29-Apr-24	13:38	30-Apr-24	08:53	0.813	0.804	0.790	0.659
CO3 (HCl) as %CO3 [%]	30-Apr-24	08:24	30-Apr-24	08:53	3.49	3.53	3.32	2.79

Analysis	9: ARDG-001171-T IR01D-10040MS 04-kwa-s	10: ARDG-001172-T IR01D-10040MS 04-kwa-s	11: ARDG-001173-T IR01D-10040MS 04-kwa-s	12: ARDG-001174-T IR01D-10040MS 04-kwa-s	13: ARDG-001175-T IR01D-10040MS 04-kwa-s
Sample Date & Time	13-Apr-24	13-Apr-24	13-Apr-24	13-Apr-24	13-Apr-24
Paste pH [no unit]	8.93	8.88	9.11	9.30	9.14
Fizz Rate [rating]	3	3	3	3	3
Sample weight [g]	2.00	2.02	2.02	2.00	2.01
HCl_add [mL]	42.50	55.10	40.30	29.00	29.40
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]	20.10	28.19	18.93	10.75	13.07
Final pH [no unit]	1.53	1.52	1.53	1.79	1.65
NP [t CaCO3/1000 t]	56.0	66.6	52.9	45.6	40.6
AP [t CaCO3/1000 t]	3.12	2.50	6.56	3.75	3.12
Net NP [t CaCO3/1000 t]	52.9	64.1	46.3	41.8	37.5

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19821-APR24

Analysis	9:	10:	11:	12:	13:
	ARDG-001171-T	ARDG-001172-T	ARDG-001173-T	ARDG-001174-T	ARDG-001175-T
	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS
	04-kwa-s	04-kwa-s	04-kwa-s	04-kwa-s	04-kwa-s
NP/AP [ratio]	17.9	26.6	8.06	12.2	13.0
S [%]	0.202	0.138	0.350	0.194	0.171
Acid Leachable SO ₄ -S [%]	0.10	0.06	0.14	0.07	0.07
Sulphide [%]	0.10	0.08	0.21	0.12	0.10
C [%]	0.849	1.10	0.829	0.705	0.631
CO ₃ (HCl) as %CO ₃ [%]	3.83	5.07	3.67	2.94	2.69

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0095-APR24													
Sulphide	0.04	%	< 0.01			6	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0100-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0101-APR24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	
Sulphur (total)	0.005	%	<0.005			2	20				101	70	



SGS Canada Inc.

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Meliadine

, Nunavut

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Phone: (819) 759-3555

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

12-June-2024

Date Rec. : 19 April 2024
LR Report: CA19825-APR24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

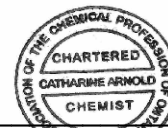
Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001176-T IR01C-10035MS 67-kwa-s	6: ARDG-001177-T IR01C-10035MS 67-kwa-s	7: ARDG-001178-T IR01C-10035MS 67-kwa-s	8: ARDG-001179-T IR01C-10035MS 67-kwa-s	9: ARDG-001180-T IR01C-10035MS 67-kwa-s	10: ARDG-001181-T IR01C-10035MS 67-kwa-s	11: ARDG-001182-T IR01C-10035MS 67-kwa-s
Sample Date & Time					13-Apr-24	13-Apr-24	13-Apr-24	13-Apr-24	15-Apr-24	15-Apr-24	15-Apr-24
Ag [µg/g]	15-May-24	16:02	16-May-24	11:27	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	15-May-24	16:02	16-May-24	11:27	71000	72000	74000	71000	77000	81000	72000
As [µg/g]	15-May-24	16:02	16-May-24	11:27	210	200	250	160	15	13	520
Ba [µg/g]	15-May-24	16:02	16-May-24	11:27	250	230	160	180	690	770	810
Be [µg/g]	15-May-24	16:02	16-May-24	11:27	0.38	0.38	0.40	0.37	1.1	1.1	1.2
Bi [µg/g]	15-May-24	16:02	16-May-24	11:27	< 0.09	< 0.09	< 0.09	< 0.09	0.24	0.20	0.30
Ca [µg/g]	15-May-24	16:02	16-May-24	11:27	100000	100000	92000	98000	26000	17000	25000
Cd [µg/g]	15-May-24	16:02	16-May-24	11:27	0.24	0.21	0.22	0.14	0.09	0.09	0.12
Co [µg/g]	15-May-24	16:02	16-May-24	11:27	46	40	40	42	18	21	14
Cr [µg/g]	15-May-24	16:02	16-May-24	11:27	210	210	230	220	170	170	130
Cu [µg/g]	15-May-24	16:02	16-May-24	11:27	100	90	100	95	40	51	48
Fe [µg/g]	15-May-24	16:02	16-May-24	11:27	72000	72000	74000	68000	34000	37000	87000
K [µg/g]	15-May-24	16:02	16-May-24	11:27	6500	6100	5700	4600	19000	16000	15000
Li [µg/g]	15-May-24	16:02	16-May-24	11:27	79	81	79	65	27	36	48
Mg [µg/g]	15-May-24	16:02	16-May-24	11:27	24000	26000	24000	23000	10000	13000	13000
Mn [µg/g]	15-May-24	16:02	16-May-24	11:27	2300	2200	1800	1900	280	380	650
Mo [µg/g]	15-May-24	16:02	16-May-24	11:27	0.4	0.3	1.3	0.5	1.0	1.3	2.3
Ni [µg/g]	15-May-24	16:02	16-May-24	11:27	110	110	110	110	65	61	52
P [µg/g]	15-May-24	16:02	05-Jun-24	09:38	240	240	250	240	400	420	540
Pb [µg/g]	15-May-24	16:02	16-May-24	11:27	5	5	5	5	75	16	23

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001176-T Completed IR01C-10035MS Time	5: ARDG-001177-T 67-kwa-s	6: ARDG-001178-T 67-kwa-s	7: ARDG-001179-T 67-kwa-s	8: ARDG-001180-T 67-kwa-s	9: ARDG-001181-T 67-kwa-s	10: ARDG-001182-T 67-kwa-s	11: ARDG-001182-T 67-kwa-s
Sb [µg/g]	15-May-24	16:02	16-May-24	11:27	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	15-May-24	16:02	16-May-24	11:27	0.4	0.3	0.5	0.4	0.4	0.3	0.5
Sn [µg/g]	15-May-24	16:02	16-May-24	11:27	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	15-May-24	16:02	16-May-24	11:27	120	120	120	120	450	400	270
Ti [µg/g]	15-May-24	16:02	16-May-24	11:27	3200	2400	2700	2300	3200	2300	2700
Tl [µg/g]	15-May-24	16:02	16-May-24	11:27	0.36	0.35	0.32	0.25	0.52	0.41	0.36
U [µg/g]	15-May-24	16:02	16-May-24	11:27	0.10	0.088	0.14	0.098	2.02	1.94	1.65
V [µg/g]	15-May-24	16:02	16-May-24	11:27	260	260	270	250	97	110	89
Y [µg/g]	15-May-24	16:02	16-May-24	11:27	8.6	8.3	13	11	8.7	9.1	7.8
Zn [µg/g]	15-May-24	16:02	16-May-24	11:27	120	120	110	98	51	67	94

Bulk Metals Suite
Revised report with P and QC Report added.

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



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: EMS0146-MAY24													
Calcium	3	µg/g	<3			1		101					
Phosphorus	3	µg/g	<3			7		97					
Potassium	3	µg/g	<3			0		104					
Metals - Microwave/ICP-MS - QCBatchID: EMS0146-MAY24													
Aluminum	3	µg/g	<3			1	20	105	70	130			
Antimony	0.8	µg/g	<0.8			ND	20	92	70	130			
Arsenic	0.5	µg/g	<0.5			2	20	107	70	130			
Barium	0.01	µg/g	<0.01			0	20	105	70	130			
Beryllium	0.02	µg/g	<0.02			0	20	102	70	130			
Bismuth	0.09	µg/g	<0.09			2	20	105	70	130			
Cadmium	0.02	µg/g	<0.02			18	20	105	70	130			
Chromium	0.5	µg/g	<0.5			1	20	105	70	130			
Cobalt	0.01	µg/g	<0.01			3	20	104	70	130			
Copper	0.1	µg/g	<0.1			1	20	106	70	130			
Iron	3	µg/g	<3			0	20	100	70	130			
Lead	0.05	µg/g	<0.05			4	20	104	70	130			
Lithium	2	µg/g	<2			0	20	103	70	130			
Magnesium	3	µg/g	<0.1			1	20	106	70	130			
Manganese	0.1	µg/g	<0.1			0	20	108	70	130			
Molybdenum	0.1	µg/g	<0.1			3	20	102	70	130			
Nickel	0.1	µg/g	<0.1			4	20	107	70	130			
Selenium	0.1	µg/g	<0.1			5	20	105	70	130			
Silver	0.5	µg/g	<0.01			8	20	104	70	130			
Strontium	0.02	µg/g	<0.02			1	20	106	70	130			
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130			
Tin	6	µg/g	<6			0	20	95	70	130			
Titanium	0.1	µg/g	<0.1			9	20	102	70	130			
Uranium	0.002	µg/g	<0.002			1	20	109	70	130			
Vanadium	1	µg/g	<1			0	20	108	70	130			
Yttrium	0.004	µg/g	<0.004			1	20	104	70	130			
Zinc	0.7	µg/g	<0.7			7	20	106	70	130			

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 19 April 2024

LR Report: CA19826-APR24

Reference: Meliadine - PO#1380289

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-001176 ARDG-001177 ARDG-001178 -TIR01C-1003 5MS67-kwa-s	6: ARDG-001176 ARDG-001177 ARDG-001178 -TIR01C-1003 5MS67-kwa-s	7: ARDG-001176 ARDG-001177 ARDG-001178 -TIR01C-1003 5MS67-kwa-s
Sample Date & Time					13-Apr-24	13-Apr-24	13-Apr-24
Sample weight [g]	06-May-24	06:57	07-May-24	09:29	250	249	250
Volume D.I. Water [mL]	06-May-24	07:38	07-May-24	09:29	750	750	750
pH [no unit]	07-May-24	08:44	07-May-24	09:29	8.89	8.91	8.92
pH [No unit]	07-May-24	14:29	08-May-24	11:02	8.35	8.32	8.41
Conductivity [uS/cm]	07-May-24	14:29	08-May-24	11:02	229	205	242
Alkalinity [mg/L as CaCO3]	07-May-24	14:29	08-May-24	11:02	68	64	61
SO4 [mg/L]	13-May-24	17:36	13-May-24	15:40	13	11	21
Hg (diss) [mg/L]	09-May-24	09:32	15-May-24	17:01	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.577	0.622	0.643
As (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0803	0.0599	0.0235
Ba (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.00072	0.00071	0.00077
B (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.015	0.013	0.023
Be (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	10.1	9.81	7.92
Cd (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.000003	0.000113	0.000003
Co (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.000042	0.000035	0.000022
Cr (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00008	< 0.00008	0.00011
Cu (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.007	< 0.007	0.007
K (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	5.32	4.36	5.20
Li (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0016	0.0014	0.0011
Mg (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	3.86	3.29	2.01
Mn (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.00314	0.00261	0.00184
Mo (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0028	0.278	0.0042
Na (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	25.7	24.0	28.9
Ni (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0002	0.0002	0.0002

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19826-APR24

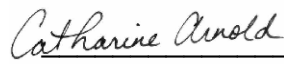
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001176 -TIR01C-1003 5MS67-kwa-s	6: ARDG-001177 -TIR01C-1003 5MS67-kwa-s	7: ARDG-001178 -TIR01C-1003 5MS67-kwa-s
Pb (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00009	< 0.00009	0.00028
Sb (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.0043	0.0031	0.0042
Se (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	0.00051	0.00032	0.00052
Si (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	1.35	1.23	1.12
Sn (diss) [mg/L]	09-May-24	15:39	15-May-24	17:01	< 0.00006	0.00020	0.00006
Sr (diss) [mg/L]	09-May-24	15:39	15-May-24	17:02	0.0127	0.0123	0.0142
Ti (diss) [mg/L]	09-May-24	15:39	15-May-24	17:02	< 0.0001	0.0001	0.0002
Tl (diss) [mg/L]	09-May-24	15:39	15-May-24	17:02	0.000005	< 0.000005	0.000005
U (diss) [mg/L]	09-May-24	15:39	15-May-24	17:02	0.000017	0.000009	0.000021
V (diss) [mg/L]	09-May-24	15:39	15-May-24	17:02	0.00163	0.00134	0.00129
W (diss) [mg/L]	09-May-24	15:39	15-May-24	17:02	0.00205	0.00132	0.00150
Y (diss) [mg/L]	09-May-24	15:39	15-May-24	17:02	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	09-May-24	15:39	15-May-24	17:02	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001179 -TIR01C-1003 5MS67-kwa-s	9: ARDG-001180 -TIR01C-1003 5MS67-kwa-s	10: ARDG-001181 -TIR01C-1003 5MS67-kwa-s	11: ARDG-001182 -TIR01C-1003 5MS67-kwa-s	12: ARDG-001182 -TIR01C-1003 5MS67-kwa-s	13:BLK: \$D.I. Leachate Blank
Sample Date & Time	13-Apr-24	15-Apr-24	15-Apr-24	15-Apr-24		
Sample weight [g]	249	251	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.00	8.69	9.23	8.47	8.50	5.55
pH [No unit]	8.28	8.25	9.25	7.92	7.98	8.39
Conductivity [uS/cm]	186	313	225	471	466	30
Alkalinity [mg/L as CaCO3]	54	60	61	48	49	12
SO4 [mg/L]	12	58	13	75	75	< 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]	0.744	0.584	0.564	0.271	0.264	0.004
As (diss) [mg/L]	0.0228	0.0044	0.0128	0.0086	0.0092	< 0.0002
Ba (diss) [mg/L]	0.00072	0.00542	0.00295	0.00811	0.00847	0.00018
B (diss) [mg/L]	0.015	0.014	0.048	0.026	0.027	0.043
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]	8.24	15.5	6.28	34.8	34.7	0.19
Cd (diss) [mg/L]	0.000003	0.000058	0.000003	0.000005	0.000011	< 0.000003
Co (diss) [mg/L]	0.000014	0.000024	0.000029	0.000059	0.000055	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	0.00044	0.00074	< 0.00008	0.00023
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	0.027	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	5.16	24.0	13.7	14.3	14.1	0.046
Li (diss) [mg/L]	0.0010	0.0024	0.0014	0.0014	0.0014	0.0003
Mg (diss) [mg/L]	1.95	4.89	1.42	5.79	5.71	0.024

Analysis	8:	9:	10:	11:	12:	13:BLK:
	ARDG-001179	ARDG-001180	ARDG-001181	ARDG-001182	ARDG-001182	\$D.I.
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	Leachate
	5MS67-kwa-s	5MS67-kwa-s	5MS67-kwa-s	5MS67-kwa-s	5MS67-kwa-s	Blank
Mn (diss) [mg/L]	0.00182	0.00276	0.00072	0.00684	0.00700	0.00013
Mo (diss) [mg/L]	0.0082	0.0115	0.0065	0.0120	0.0084	0.0005
Na (diss) [mg/L]	22.9	19.9	26.4	33.9	33.0	5.39
Ni (diss) [mg/L]	0.0001	0.0002	0.0002	0.0006	0.0003	< 0.0001
Pb (diss) [mg/L]	< 0.00009	0.00298	0.00018	< 0.00009	0.00014	< 0.00009
Sb (diss) [mg/L]	0.0026	0.0087	0.0080	0.0017	0.0018	< 0.0009
Se (diss) [mg/L]	0.00033	0.00062	0.00041	0.00036	0.00034	< 0.00004
Si (diss) [mg/L]	1.19	2.30	2.23	1.40	1.36	0.14
Sn (diss) [mg/L]	< 0.00006	< 0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0152	0.120	0.0267	0.196	0.200	0.00023
Ti (diss) [mg/L]	< 0.0001	< 0.0001	0.0014	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	0.000024	0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000015	0.000726	0.000411	0.000333	0.000334	0.000012
V (diss) [mg/L]	0.00150	0.00146	0.00414	0.00017	0.00015	0.00004
W (diss) [mg/L]	0.00093	0.00313	0.00414	0.00290	0.00299	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	0.00006	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

Revised report with QC Report added.



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

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: EWL0158-MAY24													
Alkalinity	2	mg/L as Ca	2			0	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5002-MAY24													
Sulphate	2	mg/L	<2			1	20	107	80	120	104	75	125
Conductivity - QCBatchID: EWL0158-MAY24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0014-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	120	80	120	122	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0076-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			5	20	99	90	110	101	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	100	90	110	104	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	100	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			6	20	98	90	110	98	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	106	90	110	108	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	74	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	98	90	110	101	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	100	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	101	90	110	102	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			13	20	101	90	110	113	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	97	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	96	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	103	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	102	90	110	102	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			4	20	98	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	100	90	110	97	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	98	90	110	90	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	100	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			4	20	101	90	110	95	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	104	90	110	124	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			10	20	102	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	79	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	97	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			3	20	100	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	101	90	110	97	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	101	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	99	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	99	90	110	100	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	102	70	130
pH - QCBatchID: EWL0158-MAY24													
pH	0.05	No unit	NA			0		119			NA		

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#1380289

20-June-2024

Date Rec. : 19 April 2024
LR Report: CA19824-APR24
Reference: Meliadine - PO#1380289

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-001176-T IR01C-10035MS 67-kwa-s	6: ARDG-001177-T IR01C-10035MS 67-kwa-s	7: ARDG-001178-T IR01C-10035MS 67-kwa-s	8: ARDG-001179-T IR01C-10035MS 67-kwa-s	9: ARDG-001180-T IR01C-10035MS 67-kwa-s	10: ARDG-001181-T IR01C-10035MS 67-kwa-s	11: ARDG-001182-T IR01C-10035MS 67-kwa-s
Sample Date & Time					13-Apr-24	13-Apr-24	13-Apr-24	13-Apr-24	15-Apr-24	15-Apr-24	15-Apr-24
Paste pH [no unit]	30-Apr-24	13:59	30-Apr-24	14:36	9.05	9.04	9.09	9.07	9.04	9.30	8.26
Fizz Rate [rating]	29-Apr-24	08:32	30-Apr-24	14:36	3	3	3	3	3	3	3
Sample weight [g]	25-Apr-24	17:24	30-Apr-24	14:36	2.01	2.01	1.99	2.00	2.01	2.00	2.00
HCl_add [mL]	30-Apr-24	06:35	30-Apr-24	14:36	170.70	148.80	141.20	154.90	43.00	27.90	41.00
HCl [Normality]	29-Apr-24	08:43	30-Apr-24	14:36	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	29-Apr-24	08:43	30-Apr-24	14:36	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	30-Apr-24	14:14	30-Apr-24	14:36	59.12	45.03	68.22	57.02	13.98	11.56	16.36
Final pH [no unit]	30-Apr-24	08:33	30-Apr-24	14:36	1.58	1.64	1.56	1.53	1.74	1.63	1.67
NP [t CaCO3/1000 t]	30-Apr-24	14:14	30-Apr-24	14:36	278	258	183	245	72.2	40.9	61.6
AP [t CaCO3/1000 t]	07-May-24	10:20	07-May-24	10:20	3.44	2.50	5.62	4.38	11.9	6.25	37.2
Net NP [t CaCO3/1000 t]	07-May-24	10:20	07-May-24	10:20	274	256	178	240	60.3	34.6	24.4
NP/AP [ratio]	07-May-24	10:20	07-May-24	10:20	80.8	103	32.6	55.9	6.08	6.54	1.66
S [%]	03-May-24	13:06	07-May-24	10:20	0.151	0.145	0.242	0.238	0.446	0.291	1.38
Acid Leachable SO4-S [%]	07-May-24	06:45	07-May-24	10:20	0.04	0.06	0.06	0.10	0.07	0.09	0.19
Sulphide [%]	07-May-24	06:43	07-May-24	10:20	0.11	0.08	0.18	0.14	0.38	0.20	1.19
C [%]	03-May-24	13:06	06-May-24	09:13	3.64	3.39	2.91	3.08	1.04	0.626	0.871
CO3 (HCl) as %CO3 [%]	06-May-24	06:42	06-May-24	09:13	17.6	16.5	14.0	14.9	4.74	2.58	3.83

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19824-APR24

= 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

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: ECS0015-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0016-MAY24													
Carbon (total)	0.005	%	<0.005			0	20				97	70 130	
Sulphur (total)	0.005	%	<0.005			3	20				111	70 130	
Carbon/Sulphur - QCBatchID: ECS0018-MAY24													
Sulphide	0.04	%	< 0.01			6	20	118	80	120			



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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#1380289

20-June-2024

Date Rec. : 10 April 2024
LR Report: CA19774-APR24
Reference: Meliadine - PO#1380289

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-001114-T 03-Kwa-s	6: ARDG-001115-T 03-Kwa-s	7: ARDG-001116-T 03-Kwa-s	8: ARDG-001117-T 03-Kwa-s	9: ARDG-001118-T 03-Kwa-s	10: ARDG-001119-T 03-Kwa-s
Sample Date & Time					01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24
Sample weight [g]	22-Apr-24	06:45	23-Apr-24	11:06	250	249	251	250	251	251
Volume D.I. Water [mL]	22-Apr-24	07:42	23-Apr-24	11:06	750	750	750	750	750	750
pH [no unit]	23-Apr-24	07:58	23-Apr-24	11:06	8.97	9.03	9.03	8.82	9.03	8.97
pH [No unit]	23-Apr-24	14:26	24-Apr-24	10:49	8.12	8.15	8.27	8.08	8.28	8.23
Conductivity [uS/cm]	23-Apr-24	14:26	24-Apr-24	10:49	255	249	248	369	229	265
Alkalinity [mg/L as CaCO3]	23-Apr-24	14:26	24-Apr-24	10:49	56	56	58	60	62	60
SO4 [mg/L]	03-May-24	09:25	03-May-24	13:38	38	23	21	58	22	31
Hg (diss) [mg/L]	24-Apr-24	13:29	25-Apr-24	09:06	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.631	0.647	0.683	0.479	0.696	0.650
As (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.0218	0.100	0.108	0.0057	0.125	0.106
Ba (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.00298	0.00256	0.00250	0.0181	0.00300	0.00353
B (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.017	0.017	0.016	0.016	0.016	0.017
Be (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	11.4	11.0	10.7	17.1	9.49	11.0

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001114-T IR01D-10040MS 03-Kwa-s	6: ARDG-001115-T IR01D-10040MS 03-Kwa-s	7: ARDG-001116-T IR01D-10040MS 03-Kwa-s	8: ARDG-001117-T IR01D-10040MS 03-Kwa-s	9: ARDG-001118-T IR01D-10040MS 03-Kwa-s	10: ARDG-001119-T IR01D-10040MS 03-Kwa-s
Cd (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.000004	0.000003	< 0.000003	0.000003	0.000003	0.000007
Co (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.000040	0.000035	0.000040	0.000064	0.000053	0.000042
Cr (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	< 0.00008	< 0.00008	0.00011	0.00012	0.00010	0.00015
Cu (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	17.3	15.7	15.7	22.0	16.5	17.6
Li (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.0010	0.0012	0.0012	0.0020	0.0019	0.0015
Mg (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	4.11	4.08	4.05	7.20	3.49	4.30
Mn (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.00161	0.00163	0.00168	0.00476	0.00131	0.00209
Mo (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.0055	0.0082	0.0085	0.0100	0.0092	0.0111
Na (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	21.8	20.7	21.4	26.1	18.6	22.3
Ni (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.0003	0.0003	0.0004	0.0003	0.0003	0.0004
Pb (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.0079	0.0083	0.0082	0.0038	0.0071	0.0067
Se (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.00045	0.00066	0.00068	0.00063	0.00025	0.00046
Si (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	1.58	1.61	1.66	1.70	1.69	1.67
Sn (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.00009	< 0.00006	0.00008	< 0.00006	0.00011	0.00006
Sr (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.0456	0.0444	0.0425	0.139	0.0407	0.0510
Ti (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.0002	< 0.0001	0.0001	0.0002	< 0.0001	< 0.0001
Tl (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.000013	0.000010	0.000007	0.000021	0.000009	0.000010
U (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.000251	0.000411	0.000367	0.000586	0.000288	0.000310
V (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.00171	0.00186	0.00194	0.00090	0.00206	0.00168
W (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	0.00239	0.00283	0.00283	0.00419	0.00263	0.00227
Y (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00002	< 0.00002
Zn (diss) [mg/L]	25-Apr-24	11:15	26-Apr-24	12:23	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: ARDG-001120-T IR01D-10040MS 03-Kwa-s	12: ARDG-001121-T IR01D-10040MS 03-Kwa-s	13: ARDG-001122-T IR01D-10040MS 03-Kwa-s	14: ARDG-001123-T IR01D-10040MS 03-Kwa-s	15: ARDG-001124-T IR01D-10040MS 03-Kwa-s	16: ARDG-001124-T IR01D-10040MS 03-Kwa-s
Sample Date & Time	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	

Analysis	11: ARDG-001120-T IR01D-10040MS 03-Kwa-s	12: ARDG-001121-T IR01D-10040MS 03-Kwa-s	13: ARDG-001122-T IR01D-10040MS 03-Kwa-s	14: ARDG-001123-T IR01D-10040MS 03-Kwa-s	15: ARDG-001124-T IR01D-10040MS 03-Kwa-s	16: ARDG-001124-T IR01D-10040MS 03-Kwa-s
Sample weight [g]	250	250	250	251	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.23	8.72	8.85	8.77	8.15	8.11
pH [No unit]	8.19	8.02	8.04	8.05	7.94	8.03
Conductivity [uS/cm]	178	261	284	270	534	526
Alkalinity [mg/L as CaCO3]	59	59	56	56	72	72
SO4 [mg/L]	5	25	27	26	120	120
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]	0.844	0.495	0.522	0.495	0.122	0.129
As (diss) [mg/L]	0.0408	0.0156	0.0219	0.0285	0.0050	0.0051
Ba (diss) [mg/L]	0.00218	0.00388	0.00356	0.00353	0.0105	0.0101
B (diss) [mg/L]	0.012	0.016	0.021	0.019	0.020	0.020
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]	6.97	15.5	15.0	15.7	52.8	51.6
Cd (diss) [mg/L]	< 0.000003	0.000004	< 0.000003	0.000005	0.000018	0.000013
Co (diss) [mg/L]	0.000015	0.000033	0.000040	0.000052	0.000184	0.000171
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	14.7	16.6	13.8	12.8	16.8	16.2
Li (diss) [mg/L]	0.0010	0.0013	0.0011	0.0012	0.0025	0.0026
Mg (diss) [mg/L]	2.16	4.00	3.99	4.34	11.6	11.8
Mn (diss) [mg/L]	0.00093	0.00195	0.00142	0.00186	0.0225	0.0212
Mo (diss) [mg/L]	0.0060	0.0061	0.0059	0.0058	0.0230	0.0230
Na (diss) [mg/L]	15.5	16.7	24.1	20.9	23.6	23.5
Ni (diss) [mg/L]	0.0002	0.0002	0.0003	0.0003	0.0008	0.0008
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0062	0.0034	0.0063	0.0049	0.0017	0.0017
Se (diss) [mg/L]	0.00022	0.00020	0.00027	0.00031	0.00071	0.00064
Si (diss) [mg/L]	1.70	1.20	1.27	1.27	1.50	1.53

Analysis	11: ARDG-001120-T IR01D-10040MS 03-Kwa-s	12: ARDG-001121-T IR01D-10040MS 03-Kwa-s	13: ARDG-001122-T IR01D-10040MS 03-Kwa-s	14: ARDG-001123-T IR01D-10040MS 03-Kwa-s	15: ARDG-001124-T IR01D-10040MS 03-Kwa-s	16: ARDG-001124-T IR01D-10040MS 03-Kwa-s
Sn (diss) [mg/L]	0.00006	0.00006	0.00007	< 0.00006	0.00007	0.00008
Sr (diss) [mg/L]	0.0307	0.0685	0.0688	0.0659	0.248	0.239
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	0.000009	0.000005	0.000005	0.000007	0.000009
U (diss) [mg/L]	0.000282	0.000110	0.000083	0.000084	0.000269	0.000260
V (diss) [mg/L]	0.00278	0.00027	0.00042	0.00040	0.00009	0.00012
W (diss) [mg/L]	0.00221	0.00238	0.00148	0.00165	0.00179	0.00191
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0559-APR24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8005-MAY24													
Sulphate	2	mg/L	<2			0	20	101	80	120	116	75	125
Conductivity - QCBatchID: EWL0559-APR24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0047-APR24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	120	80	120	104	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0249-APR24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	114	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	106	90	110	127	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	101	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	100	90	110	101	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	101	90	110	98	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	112	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	94	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	105	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			12	20	99	90	110	99	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	101	90	110	105	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	97	90	110	105	70	130
Copper (dissolved)	0.001	mg/L	<0.001			1	20	101	90	110	95	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	97	90	110	99	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	103	90	110	101	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			ND	20	101	90	110	97	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			8	20	99	90	110	104	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	103	90	110	108	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			8	20	102	90	110	103	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	95	90	110	123	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	99	90	110	102	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	101	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	125	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			3	20	98	90	110	98	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			ND	20	94	90	110	95	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	98	90	110	129	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	100	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	97	90	110	100	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	98	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	104	70	130
pH - QCBatchID: EWL0559-APR24													
pH	0.05	No unit	NA			0		100			NA		



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

ABA - Modified Sobek
Works #: Waste Rock OP TIR01
Project : PO#1380289

17-June-2024

Date Rec. : 10 April 2024
LR Report: CA19772-APR24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed	5: ARDG-001114 -TIR01D-1004 Time OMS03-Kwa-s	6: ARDG-001115 -TIR01D-1004 Time OMS03-Kwa-s	7: ARDG-001116 -TIR01D-1004 Time OMS03-Kwa-s	8: ARDG-001117 -TIR01D-1004 Time OMS03-Kwa-s	9: ARDG-001118 -TIR01D-1004 Time OMS03-Kwa-s	10: ARDG-001119 -TIR01D-1004 Time OMS03-Kwa-s
Sample Date & Time					01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24
Paste pH [no unit]	24-Apr-24	13:21	25-Apr-24	09:23	9.08	9.05	9.12	8.87	9.17	9.08
Fizz Rate [rating]	23-Apr-24	14:55	25-Apr-24	09:23	3	3	3	3	3	3
Sample weight [g]	22-Apr-24	12:15	25-Apr-24	09:23	1.99	1.99	2.04	1.99	2.01	2.01
HCl_add [mL]	24-Apr-24	13:38	25-Apr-24	09:23	26.60	39.70	39.10	38.50	28.90	28.00
HCl [Normality]	23-Apr-24	15:35	25-Apr-24	09:23	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	23-Apr-24	15:35	25-Apr-24	09:23	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	24-Apr-24	20:17	25-Apr-24	09:23	13.22	18.91	16.64	16.01	10.01	9.59
Final pH [no unit]	24-Apr-24	15:30	25-Apr-24	09:23	1.63	1.55	1.65	1.63	1.95	1.95
NP [t CaCO3/1000 t]	24-Apr-24	20:17	25-Apr-24	09:23	33.6	52.2	55.1	56.5	47.0	45.8
AP [t CaCO3/1000 t]	25-Apr-24	09:24	25-Apr-24	09:24	6.25	6.88	7.81	12.2	4.69	5.62
Net NP [t CaCO3/1000 t]	25-Apr-24	09:24	25-Apr-24	09:24	27.4	45.3	47.3	44.3	42.3	40.2
NP/AP [ratio]	25-Apr-24	09:24	25-Apr-24	09:24	5.38	7.59	7.05	4.64	10.0	8.14
S [%]	17-Apr-24	12:28	18-Apr-24	09:03	0.291	0.289	0.300	0.502	0.216	0.242
Acid Leachable SO4-S [%]	18-Apr-24	07:59	18-Apr-24	09:03	0.09	0.07	0.05	0.11	0.07	0.06
Sulphide [%]	18-Apr-24	07:57	18-Apr-24	09:03	0.20	0.22	0.25	0.39	0.15	0.18

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001114 -TIR01D-1004 OMS03-Kwa-s	6: ARDG-001115 -TIR01D-1004 OMS03-Kwa-s	7: ARDG-001116 -TIR01D-1004 OMS03-Kwa-s	8: ARDG-001117 -TIR01D-1004 OMS03-Kwa-s	9: ARDG-001118 -TIR01D-1004 OMS03-Kwa-s	10: ARDG-001119 -TIR01D-1004 OMS03-Kwa-s
C [%]	17-Apr-24	12:28	18-Apr-24	09:03	0.624	0.817	0.833	0.826	0.678	0.725
CO3 (HCl) as %CO3 [%]	18-Apr-24	07:22	18-Apr-24	09:03	2.49	3.59	3.64	3.56	3.00	3.02

Analysis	11: ARDG-001120 -TIR01D-1004 OMS03-Kwa-s	12: ARDG-001121 -TIR01D-1004 OMS03-Kwa-s	13: ARDG-001122 -TIR01D-1004 OMS03-Kwa-s	14: ARDG-001123 -TIR01D-1004 OMS03-Kwa-s	15: ARDG-001124 -TIR01D-1004 OMS03-Kwa-s
Sample Date & Time	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24	01-Apr-24
Paste pH [no unit]	9.34	8.63	8.59	8.69	8.25
Fizz Rate [rating]	3	3	3	3	3
Sample weight [g]	2.01	2.00	1.98	2.04	2.05
HCl_add [mL]	30.50	28.50	27.90	29.40	42.80
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]	12.00	13.52	11.88	12.79	19.71
Final pH [no unit]	1.78	1.67	1.78	1.86	1.65
NP [t CaCO3/1000 t]	46.0	37.5	40.5	40.7	56.3
AP [t CaCO3/1000 t]	5.31	8.44	6.88	8.12	31.2
Net NP [t CaCO3/1000 t]	40.7	29.1	33.6	32.6	25.0
NP/AP [ratio]	8.66	4.44	5.89	5.01	1.80
S [%]	0.227	0.337	0.304	0.325	1.06
Acid Leachable SO4-S [%]	0.06	0.07	0.08	0.06	0.06
Sulphide [%]	0.17	0.27	0.22	0.26	1.00
C [%]	0.704	0.852	0.996	0.961	1.30
CO3 (HCl) as %CO3 [%]	2.85	3.12	2.95	3.20	5.45

ABA - Modified Sobek

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

Weight of Sample



SGS Canada Inc.

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

ABA - Modified Sobek
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19772-APR24

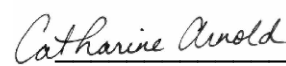
*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*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

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: ECS0058-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0059-APR24													
Carbon (total)	0.005	%	<0.005			1	20				97	70	13
Sulphur (total)	0.005	%	<0.005			1	20				101	70	13
Carbon/Sulphur - QCBatchID: ECS0061-APR24													
Sulphide	0.04	%	< 0.01			5	20	115	80	120			

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
 , Nunavut
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Phone: (819) 759-3555

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Date Rec. : 01 May 2024

LR Report: CA19005-MAY24

Reference: PO#1380289

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-001183-T IR01C-10035MS 71-kwa-s	6: ARDG-001184-T IR01C-10035MS 71-kwa-s	7: ARDG-001185-T IR01C-10035MS 71-kwa-s
Sample Date & Time					17-Apr-24	17-Apr-24	17-Apr-24
Paste pH [no unit]	16-May-24	12:28	16-May-24	16:05	9.11	9.13	9.47
Fizz Rate [rating]	15-May-24	08:40	16-May-24	16:05	3	3	3
Sample weight [g]	15-May-24	14:43	16-May-24	16:05	2.01	2.03	2.02
HCl_add [mL]	16-May-24	07:32	16-May-24	16:05	30.10	29.40	20.00
HCl [Normality]	15-May-24	09:00	16-May-24	16:05	0.10	0.10	0.10
NaOH [Normality]	15-May-24	09:00	16-May-24	16:05	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-May-24	12:45	16-May-24	16:05	11.56	10.92	7.05
Final pH [no unit]	16-May-24	09:03	16-May-24	16:05	1.70	1.80	1.86
NP [t CaCO ₃ /1000 t]	16-May-24	12:45	16-May-24	16:05	46.1	45.5	32.1
AP [t CaCO ₃ /1000 t]	16-May-24	16:06	16-May-24	16:06	4.69	5.31	3.12
Net NP [t CaCO ₃ /1000 t]	16-May-24	16:06	16-May-24	16:06	41.4	40.2	29.0
NP/AP [ratio]	16-May-24	16:06	16-May-24	16:06	9.83	8.56	10.3
S [%]	13-May-24	12:37	14-May-24	11:30	0.261	0.279	0.214
Acid Leachable SO ₄ -S [%]	14-May-24	11:26	14-May-24	11:30	0.11	0.11	0.11
Sulphide [%]	14-May-24	09:58	14-May-24	11:30	0.15	0.17	0.10
C [%]	13-May-24	12:37	14-May-24	10:16	0.723	0.747	0.535
CO ₃ (HCl) as %CO ₃ [%]	14-May-24	09:47	14-May-24	10:16	3.06	3.06	2.08

Analysis	8: ARDG-001186-T IR01C-10035MS 71-kwa-s	9: ARDG-001187-T IR01C-10035MS 71-kwa-s	10: ARDG-001188-T IR01C-10035MS 71-kwa-s
Sample Date & Time	17-Apr-24	20-Apr-24	20-Apr-24
Paste pH [no unit]	9.50	9.40	9.37
Fizz Rate [rating]	3	3	3
Sample weight [g]	2.02	2.03	2.01
HCl_add [mL]	28.10	28.60	30.10
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19005-MAY24

Analysis	8: ARDG-001186-T IR01C-10035MS 71-kwa-s	9: ARDG-001187-T IR01C-10035MS 71-kwa-s	10: ARDG-001188-T IR01C-10035MS 71-kwa-s
Vol NaOH to pH=8.3 [mL]	13.55	13.43	13.09
Final pH [no unit]	1.55	1.57	1.66
NP [t CaCO ₃ /1000 t]	36.0	37.4	42.3
AP [t CaCO ₃ /1000 t]	2.19	1.56	2.50
Net NP [t CaCO ₃ /1000 t]	33.8	35.8	39.8
NP/AP [ratio]	16.5	23.9	16.9
S [%]	0.146	0.184	0.165
Acid Leachable SO ₄ -S [%]	0.08	0.13	0.08
Sulphide [%]	0.07	0.05	0.08
C [%]	0.586	0.607	0.718
CO ₃ (HCl) as %CO ₃ [%]	2.21	2.33	2.87

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0026-MAY24													
Sulphide	0.04	%	< 0.01			10	20	106	80	120			
Carbon/Sulphur - QCBatchID: ECS0040-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0042-MAY24													
Carbon (total)	0.005	%	<0.005			1	20				99	70 13	
Sulphur (total)	0.005	%	<0.005			4	20				96	70 13	

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-2024

Agnico Eagle Mines Limited

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Date Rec. : 06 May 2024
 LR Report: CA19059-MAY24
 Reference: Meliadine - PO#1380289

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-001196-TARDG-001197-TARDG-001198-TARDG-001199-T IR01D-10040MS 06-Mv	6: ARDG-001197-TARDG-001198-TARDG-001199-T IR01D-10040MS 06-Mv	7: ARDG-001198-TARDG-001199-T IR01D-10040MS 06-Mv	8: ARDG-001199-T IR01D-10040MS 06-Mv
Sample Date & Time					24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24
Paste pH [no unit]	16-May-24	12:28	16-May-24	16:06	9.13	9.13	9.13	8.89
Fizz Rate [rating]	15-May-24	08:40	16-May-24	16:06	4	4	4	4
Sample weight [g]	15-May-24	14:43	16-May-24	16:06	2.00	2.00	2.00	2.02
HCl_add [mL]	16-May-24	07:32	16-May-24	16:06	117.90	152.70	116.50	129.30
HCl [Normality]	15-May-24	09:00	16-May-24	16:06	0.10	0.10	0.10	0.10
NaOH [Normality]	15-May-24	09:00	16-May-24	16:06	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-May-24	12:45	16-May-24	16:06	33.13	52.78	25.53	28.83
Final pH [no unit]	16-May-24	09:03	16-May-24	16:06	1.74	1.60	1.79	1.76
NP [t CaCO3/1000 t]	16-May-24	12:45	16-May-24	16:06	212	250	227	249
AP [t CaCO3/1000 t]	28-May-24	08:53	28-May-24	08:53	5.00	4.06	6.56	13.8
Net NP [t CaCO3/1000 t]	28-May-24	08:53	28-May-24	08:53	207	246	221	235
NP/AP [ratio]	28-May-24	08:53	28-May-24	08:53	42.4	61.5	34.7	18.1
S [%]	24-May-24	13:15	28-May-24	08:53	0.311	0.156	0.244	0.487
Acid Leachable SO4-S [%]	28-May-24	06:32	28-May-24	08:53	0.15	< 0.04	< 0.04	0.05
Sulphide [%]	27-May-24	14:04	28-May-24	08:53	0.16	0.13	0.21	0.44
C [%]	24-May-24	13:15	28-May-24	08:53	2.85	3.59	2.90	3.09
CO3 (HCl) as %CO3 [%]	28-May-24	07:38	28-May-24	08:53	13.8	17.5	14.0	14.9

Analysis	9: ARDG-001200-TARDG-001201-TARDG-001202-TARDG-001203-TARDG-001204-T IR01D-10040MS 06-Mv	10: ARDG-001201-TARDG-001202-TARDG-001203-TARDG-001204-T IR01D-10040MS 06-Mv	11: ARDG-001202-TARDG-001203-TARDG-001204-T IR01D-10040MS 06-Mv	12: ARDG-001203-TARDG-001204-T IR01D-10040MS 06-Mv	13: ARDG-001204-T IR01D-10040MS 06-Mv
Sample Date & Time	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24
Paste pH [no unit]	8.97	9.25	9.15	9.12	9.39
Fizz Rate [rating]	4	4	4	4	4
Sample weight [g]	2.02	2.00	2.02	2.00	2.00
HCl_add [mL]	127.10	118.80	143.90	108.50	160.40
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]	30.79	26.64	50.57	28.36	47.59
Final pH [no unit]	1.73	1.78	1.54	1.69	1.53
NP [t CaCO3/1000 t]	238	230	231	200	282
AP [t CaCO3/1000 t]	10.6	2.81	3.75	4.69	4.69

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#1380289

LR Report : CA19059-MAY24

Analysis	9:	10:	11:	12:	13:
	ARDG-001200-TARDG-001201-TARDG-001202-TARDG-001203-TARDG-001204-T				
	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS
	06-Mv	06-Mv	06-Mv	06-Mv	06-Mv
Net NP [t CaCO ₃ /1000 t]	228	228	227	196	277
NP/AP [ratio]	22.4	81.9	61.6	42.8	60.2
S [%]	0.375	0.224	0.156	0.241	0.210
Acid Leachable SO ₄ -S [%]	< 0.04	0.13	< 0.04	0.09	0.06
Sulphide [%]	0.34	0.09	0.12	0.15	0.15
C [%]	2.97	2.93	2.88	2.60	2.86
CO ₃ (HCl) as %CO ₃ [%]	14.4	14.2	14.1	12.6	13.9

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0067-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	103	80	120			
Carbon/Sulphur - QCBatchID: ECS0076-MAY24													
Carbon (total)	0.005	%	<0.005			3	20				98	70	13
Sulphur (total)	0.005	%	<0.005			4	20				103	70	13
Carbon/Sulphur - QCBatchID: ECS0079-MAY24													
Sulphide	0.04	%	< 0.01			17	20	111	80	120			

20-June-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. : 01 May 2024
LR Report: CA19007-MAY24
Reference: Meliadine - PO#1380289

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-001183-T IR01C-10035MS 71-kwa-s	6: ARDG-001184-T IR01C-10035MS 71-kwa-s	7: ARDG-001185-T IR01C-10035MS 71-kwa-s	8: ARDG-001186-T IR01C-10035MS 71-kwa-s	9: ARDG-001187-T IR01C-10035MS 71-kwa-s	10: ARDG-001188-T IR01C-10035MS 71-kwa-s	11: ARDG-001189-T IR01C-10035MS 71-kwa-s	12:BLK: \$D.I. Leachate Blank
Sample Date & Time					17-Apr-24	17-Apr-24	17-Apr-24	17-Apr-24	20-Apr-24	20-Apr-24		
Sample weight [g]	09-May-24	06:11	10-May-24	09:36	251	251	250	250	250	251	251	---
Volume D.I. Water [mL]	09-May-24	07:18	10-May-24	09:36	750	750	750	750	750	750	750	750
pH [no unit]	10-May-24	08:29	10-May-24	09:36	9.17	9.13	9.42	9.42	9.43	9.30	9.31	5.70
pH [No unit]	11-May-24	13:26	15-May-24	10:50	8.35	8.17	9.23	9.32	9.25	9.26	9.25	6.78
Conductivity [uS/cm]	11-May-24	13:26	15-May-24	10:50	200	209	180	180	183	212	206	< 2
Alkalinity [mg/L as CaCO3]	13-May-24	17:43	15-May-24	10:50	55	62	64	65	63	70	71	< 2
SO4 [mg/L]	16-May-24	17:13	17-May-24	08:38	26	29	7	6	4	6	7	< 2
Hg (diss) [mg/L]	14-May-24	10:40	14-May-24	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.764	0.733	0.665	0.665	0.634	0.533	0.543	< 0.001
As (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.0466	0.0636	0.0638	0.105	0.0661	0.0740	0.0809	< 0.0002
Ba (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.00457	0.00271	0.00275	0.00255	0.00477	0.00279	0.00311	0.00018
B (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.010	0.011	0.050	0.047	0.049	0.045	0.042	< 0.002
Be (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.000007	< 0.000007	0.000009	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	9.81	9.05	4.72	4.48	5.03	6.11	6.12	0.03
Cd (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.000004	0.000020	0.000009	< 0.000003	0.000003	< 0.000003	0.000005	< 0.000003
Co (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.000016	0.000022	0.000079	0.000066	0.000067	0.000051	0.000049	0.000005
Cr (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.00008	0.00009	0.00065	0.00060	0.00059	0.00049	0.00039	< 0.00008
Cu (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001183-T IR01C-10035MS 71-kwa-s	6: ARDG-001184-T IR01C-10035MS 71-kwa-s	7: ARDG-001185-T IR01C-10035MS 71-kwa-s	8: ARDG-001186-T IR01C-10035MS 71-kwa-s	9: ARDG-001187-T IR01C-10035MS 71-kwa-s	10: ARDG-001188-T IR01C-10035MS 71-kwa-s	11: ARDG-001188-T IR01C-10035MS 71-kwa-s	12:BLK: Leachate Blank
Fe (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.007	< 0.007	0.064	0.056	0.064	0.024	0.027	< 0.007
K (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	18.2	20.5	12.7	13.5	15.0	17.5	17.6	0.024
Li (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.0010	0.0009	0.0011	0.0010	0.0011	0.0011	0.0011	< 0.0001
Mg (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	3.08	2.94	1.10	1.08	1.28	1.77	1.82	0.006
Mn (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.00106	0.00110	0.00061	0.00052	0.00061	0.00024	0.00034	0.00028
Mo (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.0072	0.0047	0.0166	0.0036	0.0060	0.0042	0.0104	< 0.0004
Na (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	14.0	15.1	23.5	23.2	22.0	23.6	23.7	< 0.01
Ni (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.0002	0.0002	0.0004	0.0004	0.0003	0.0003	0.0004	< 0.0001
Pb (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.00014	0.00093	0.00018	0.00014	< 0.00009	< 0.00009	0.00009	< 0.00009
Sb (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.0053	0.0060	0.0076	0.0072	0.0073	0.0067	0.0070	< 0.0009
Se (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.00053	0.00052	0.00018	0.00015	0.00012	0.00015	0.00016	< 0.00004
Si (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	1.52	1.58	2.25	2.20	2.12	1.92	1.86	< 0.02
Sn (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.00006	< 0.00006	0.00045	0.00007	< 0.00006	< 0.00006	0.00007	< 0.00006
Sr (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.0468	0.0447	0.0198	0.0172	0.0250	0.0270	0.0277	0.00022
Ti (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.0001	0.0002	0.0020	0.0017	0.0031	0.0015	0.0018	< 0.0001
Tl (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.000012	0.000013	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000007	< 0.000005
U (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.000163	0.000145	0.000542	0.000339	0.000342	0.000228	0.000225	< 0.000002
V (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.00198	0.00214	0.00496	0.00497	0.00433	0.00323	0.00315	0.00002
W (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	0.00259	0.00280	0.00406	0.00363	0.00272	0.00250	0.00259	< 0.0002
Y (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.00002	< 0.00002	0.00009	0.00010	0.00008	0.00006	0.00005	< 0.00002
Zn (diss) [mg/L]	13-May-24	12:31	17-May-24	14:47	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0280-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Alkalinity - QCBatchID: EWL0309-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5005-MAY24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	109	75	125
Conductivity - QCBatchID: EWL0280-MAY24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0309-MAY24													
Conductivity	2	uS/cm	< 2			1	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0024-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	100	80	120	91	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0118-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	97	90	110	106	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	99	90	110	101	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	95	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			11	20	96	90	110	99	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	96	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	77	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	96	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	96	90	110	107	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			11	20	98	90	110	100	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	98	90	110	98	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	94	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	94	90	110	96	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	102	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	97	90	110	99	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	101	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	100	90	110	97	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			8	20	100	90	110	100	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	97	90	110	100	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	96	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	98	90	110	97	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	97	90	110	110	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	73	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	97	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			8	20	99	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	99	90	110	94	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	94	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	95	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	92	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	96	90	110	97	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			5	20	99	90	110	102	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	100	70	130
pH - QCBatchID: EWL0280-MAY24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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 May 2024

LR Report: CA19056-MAY24

Reference: Meliadine - PO#1380289

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-001189-TARDG-001190-T IR01C-10035MS 69-kwa-s	6: ARDG-001190-TARDG-001191-T IR01C-10035MS 69-kwa-s	7: ARDG-001191-T IR01C-10035MS 69-kwa-s
Sample Date & Time					24-Apr-24	24-Apr-24	24-Apr-24
Paste pH [no unit]	30-May-24	14:39	03-Jun-24	09:09	9.20	9.54	9.28
Fizz Rate [rating]	30-May-24	15:35	03-Jun-24	09:09	3	3	3
Sample weight [g]	30-May-24	10:05	03-Jun-24	09:09	2.05	2.03	1.98
HCl_add [mL]	31-May-24	13:37	03-Jun-24	09:09	28.50	41.90	20.00
HCl [Normality]	30-May-24	15:45	03-Jun-24	09:09	0.10	0.10	0.10
NaOH [Normality]	30-May-24	15:45	03-Jun-24	09:09	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	31-May-24	16:43	03-Jun-24	09:09	12.84	20.07	7.56
Final pH [no unit]	31-May-24	15:37	03-Jun-24	09:09	1.54	1.53	1.86
NP [t CaCO3/1000 t]	31-May-24	16:43	03-Jun-24	09:09	38.2	53.8	31.4
AP [t CaCO3/1000 t]	31-May-24	16:43	03-Jun-24	09:09	5.62	2.50	3.44
Net NP [t CaCO3/1000 t]	31-May-24	16:43	03-Jun-24	09:09	32.6	51.3	28.0
NP/AP [ratio]	31-May-24	16:43	03-Jun-24	09:09	6.79	21.5	9.13
S [%]	24-May-24	13:15	24-May-24	14:35	0.419	0.281	0.229
Acid Leachable SO4-S [%]	24-May-24	13:24	24-May-24	14:35	0.24	0.20	0.12
Sulphide [%]	24-May-24	11:21	24-May-24	14:35	0.18	0.08	0.11
C [%]	24-May-24	13:15	24-May-24	14:35	0.548	0.884	0.604
CO3 (HCl) as %CO3 [%]	27-May-24	08:06	27-May-24	08:56	2.22	3.83	2.20

Analysis	8: ARDG-001192-TARDG-001193-T IR01C-10035MS 69-Mv	9: ARDG-001193-TARDG-001194-T IR01C-10035MS 69-Mv	10: ARDG-001194-TARDG-001195-T IR01C-10035MS 69-Mv	11: ARDG-001195-T IR01C-10035MS 69-Mv
Sample Date & Time	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24
Paste pH [no unit]	9.32	9.38	9.12	9.00
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.04	2.00	2.01	2.01
HCl_add [mL]	167.00	151.80	160.90	165.60
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19056-MAY24

Analysis	8:	9:	10:	11:
	ARDG-001192-T	ARDG-001193-T	ARDG-001194-T	ARDG-001195-T
	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS
	69-Mv	69-Mv	69-Mv	69-Mv
Vol NaOH to pH=8.3 [mL]	65.06	75.21	98.47	78.30
Final pH [no unit]	1.62	1.65	1.64	1.63
NP [t CaCO3/1000 t]	250	192	155	217
AP [t CaCO3/1000 t]	9.69	10.6	6.25	5.94
Net NP [t CaCO3/1000 t]	240	181	149	211
NP/AP [ratio]	25.8	18.0	24.8	36.6
S [%]	0.759	0.865	0.458	0.362
Acid Leachable SO4-S [%]	0.45	0.52	0.26	0.17
Sulphide [%]	0.31	0.34	0.20	0.19
C [%]	3.78	3.59	3.69	3.80
CO3 (HCl) as %CO3 [%]	18.2	17.3	17.8	18.3

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0053-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0074-MAY24													
Sulphide	0.04	%	< 0.01			17	20	92	80	120			
Carbon/Sulphur - QCBatchID: ECS0076-MAY24													
Carbon (total)	0.005	%	<0.005			3	20				98	70	
Sulphur (total)	0.005	%	<0.005			4	20				103	70	

20-June-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 May 2024
LR Report: CA19058-MAY24
Reference: Meliadine - PO#1380289

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-001189-T IR01C-10035MS 69-kwa-s	6: ARDG-001190-T IR01C-10035MS 69-kwa-s	7: ARDG-001191-T IR01C-10035MS 69-kwa-s	8: ARDG-001192-T IR01C-10035MS 69-Mv	9: ARDG-001193-T IR01C-10035MS 69-Mv	10: ARDG-001194-T IR01C-10035MS 69-Mv	11: ARDG-001195-T IR01C-10035MS 69-Mv
Sample Date & Time					24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24
Sample weight [g]	10-May-24	12:55	14-May-24	10:52	251	250	250	251	250	250	252
Volume D.I. Water [mL]	13-May-24	09:45	14-May-24	10:52	750	750	750	750	750	750	750
pH [no unit]	14-May-24	09:22	14-May-24	10:52	9.16	9.27	9.26	8.75	8.75	8.69	8.62
pH [No unit]	14-May-24	15:23	16-May-24	11:37	8.25	8.58	8.33	8.34	8.35	8.38	8.37
Conductivity [uS/cm]	14-May-24	15:23	15-May-24	14:32	176	207	215	274	270	271	307
Alkalinity [mg/L as CaCO3]	14-May-24	15:23	15-May-24	14:32	50	71	57	109	91	89	84
SO4 [mg/L]	17-May-24	17:55	22-May-24	14:55	4	5	7	14	13	16	41
Hg (diss) [mg/L]	15-May-24	16:42	16-May-24	09:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.854	0.735	0.764	0.519	0.561	0.461	0.386
As (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0136	0.0681	0.108	0.157	0.135	0.0639	0.0181
Ba (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00249	0.00873	0.00227	0.00131	0.00150	0.0121	0.0420
B (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.018	0.019	0.023	0.022	0.021	0.018	0.021
Be (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	7.66	8.31	6.62	13.6	13.3	15.4	17.8
Cd (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.000003	0.000004	0.000004	0.000005	0.000003	< 0.000003	0.000004
Co (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.000008	0.000021	0.000019	0.000089	0.000069	0.000090	0.000104
Cr (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.007	< 0.007	0.008	< 0.007	< 0.007	< 0.007	< 0.007

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001189-T Completed IR01C-10035MS Time	5: ARDG-001190-T 69-kwa-s	6: ARDG-001191-T 69-kwa-s	7: ARDG-001192-T 69-kwa-s	8: ARDG-001193-T 69-Mv	9: ARDG-001194-T 69-Mv	10: ARDG-001195-T 69-Mv	11: ARDG-001195-T 69-Mv
K (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	17.5	22.2	21.2	8.25	7.74	11.7	15.8
Li (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0007	0.0018	0.0007	0.0055	0.0054	0.0034	0.0026
Mg (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	1.30	2.50	1.66	7.35	6.64	8.13	9.58
Mn (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00054	0.00105	0.00058	0.00718	0.00686	0.00623	0.00694
Mo (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0044	0.0062	0.0059	0.0067	0.0062	0.0063	0.0042
Na (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	14.0	15.9	20.0	25.9	26.6	18.9	18.5
Ni (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0001	0.0001	0.0001	0.0004	0.0004	0.0005	0.0004
Pb (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00009	0.00113	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00016
Sb (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0088	0.0103	0.0105	0.0123	0.0117	0.0067	0.0071
Se (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00006	0.00034	0.00014	0.00051	0.00047	0.00055	0.00189
Si (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	1.50	2.04	1.91	1.72	1.67	1.44	1.47
Sn (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0445	0.0669	0.0369	0.0220	0.0212	0.0602	0.118
Ti (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0003	0.0004	0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.000005	0.000009	< 0.000005	< 0.000005	< 0.000005	0.000005	0.000025
U (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.000070	0.000428	0.000207	0.000083	0.000070	0.000043	0.000247
V (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00151	0.00231	0.00299	0.00161	0.00176	0.00098	0.00070
W (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00151	0.00448	0.00236	0.0101	0.0118	0.00230	0.00236
Y (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Reissued to include QC Report

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



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

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: EWL0341-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8054-MAY24													
Sulphate	2	mg/L	<2			ND	20	107	80	120	107	75	125
Conductivity - QCBatchID: EWL0341-MAY24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0031-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	112	80	120	126	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0155-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	90	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	111	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			9	20	106	90	110	96	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	100	90	110	95	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	104	90	110	99	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	96	70	130
Boron (dissolved)	0.002	mg/L	<0.002			0	20	98	90	110	100	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	100	90	110	98	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	100	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	107	90	110	91	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	99	90	110	90	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	95	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	100	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	107	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	97	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	105	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	98	90	110	101	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			3	20	103	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	100	90	110	93	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			0	20	101	90	110	112	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	98	90	110	85	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	98	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	104	90	110	98	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			5	20	101	90	110	94	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	99	90	110	96	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	99	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			0	20	103	90	110	103	70	130
pH - QCBatchID: EWL0341-MAY24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0393-MAY24													
pH	0.05	No unit	NA			0		100			NA		



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#1380289

20-June-2024

Date Rec. : 06 May 2024
LR Report: CA19057-MAY24
Reference: Meliadine - PO#1380289

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-001189-T IR01C-10035MS 69-kwa-s	6: ARDG-001190-T IR01C-10035MS 69-kwa-s	7: ARDG-001191-T IR01C-10035MS 69-kwa-s	8: ARDG-001192-T IR01C-10035MS 69-Mv	9: ARDG-001193-T IR01C-10035MS 69-Mv	10: ARDG-001194-T IR01C-10035MS 69-Mv	11: ARDG-001195-T IR01C-10035MS 69-Mv
Sample Date & Time					24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24
Ag [µg/g]	24-May-24	16:36	27-May-24	11:48	< 0.5	0.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	24-May-24	16:36	27-May-24	11:48	86000	72000	62000	65000	68000	65000	68000
As [µg/g]	24-May-24	16:36	27-May-24	11:48	47	120	48	2700	2600	1100	140
Ba [µg/g]	24-May-24	16:36	27-May-24	11:48	890	2300	840	310	300	2000	2500
Be [µg/g]	24-May-24	16:36	27-May-24	11:48	1.5	2.3	1.3	0.68	0.67	1.3	2.0
Bi [µg/g]	24-May-24	16:36	27-May-24	11:48	0.20	1.2	0.20	< 0.09	< 0.09	< 0.09	0.10
Ca [µg/g]	24-May-24	16:36	27-May-24	11:48	15000	14000	9700	76000	75000	83000	88000
Cd [µg/g]	24-May-24	16:36	27-May-24	11:48	0.08	0.14	0.08	0.19	0.21	0.19	0.23
Co [µg/g]	24-May-24	16:36	27-May-24	11:48	21	20	21	50	47	43	41
Cr [µg/g]	24-May-24	16:36	27-May-24	11:48	110	82	98	110	100	95	110
Cu [µg/g]	24-May-24	16:36	27-May-24	11:48	59	48	44	150	140	100	100
Fe [µg/g]	24-May-24	16:36	27-May-24	11:48	66000	36000	39000	64000	64000	70000	68000
K [µg/g]	24-May-24	16:36	27-May-24	11:48	19000	20000	22000	10000	9900	11000	13000
Li [µg/g]	24-May-24	16:36	27-May-24	11:48	52	36	38	42	45	39	40
Mg [µg/g]	24-May-24	16:36	27-May-24	11:48	17000	13000	14000	18000	18000	19000	20000
Mn [µg/g]	24-May-24	16:36	27-May-24	11:48	440	350	250	2000	1900	2000	1900
Mo [µg/g]	24-May-24	16:36	27-May-24	11:48	1.8	1.8	1.5	0.6	0.5	0.4	2.1
Ni [µg/g]	24-May-24	16:36	27-May-24	11:48	79	62	67	97	100	93	100
P [µg/g]	24-May-24	16:36	12-Jun-24	11:59	590	580	410	240	240	1400	310
Pb [µg/g]	24-May-24	16:36	27-May-24	11:48	19	320	14	14	15	20	39



SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19057-MAY24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001189-T IR01C-10035MS 69-kwa-s	6: ARDG-001190-T IR01C-10035MS 69-kwa-s	7: ARDG-001191-T IR01C-10035MS 69-kwa-s	8: ARDG-001192-T IR01C-10035MS 69-Mv	9: ARDG-001193-T IR01C-10035MS 69-Mv	10: ARDG-001194-T IR01C-10035MS 69-Mv	11: ARDG-001195-T IR01C-10035MS 69-Mv
Sb [µg/g]	24-May-24	16:36	27-May-24	11:48	< 0.8	< 0.8	< 0.8	< 0.8	0.8	< 0.8	< 0.8
Se [µg/g]	24-May-24	16:36	27-May-24	11:48	0.3	0.6	0.2	0.7	0.8	0.7	0.5
Sn [µg/g]	24-May-24	16:36	27-May-24	11:48	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	24-May-24	16:36	27-May-24	11:48	310	530	270	170	170	380	370
Ti [µg/g]	24-May-24	16:36	27-May-24	11:48	3700	3000	1900	3100	3100	4100	4500
Tl [µg/g]	24-May-24	16:36	27-May-24	11:48	0.41	0.54	0.49	0.46	0.45	0.50	0.73
U [µg/g]	24-May-24	16:36	27-May-24	11:48	1.65	1.79	1.56	0.30	0.16	0.23	1.02
V [µg/g]	24-May-24	16:36	27-May-24	11:48	120	83	89	200	210	210	220
Y [µg/g]	24-May-24	16:36	27-May-24	11:48	7.9	7.9	4.6	5.7	5.6	12	10
Zn [µg/g]	24-May-24	16:36	27-May-24	11:48	83	79	73	56	54	83	120

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite

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

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: EMS0230-MAY24													
Calcium	3	µg/g	<3			1		96			93		
Phosphorus	3	µg/g	<3			1		95			86		
Potassium	3	µg/g	<3			1		101			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0230-MAY24													
Aluminum	3	µg/g	<3			1	20	95	70	130	99	70	130
Antimony	0.8	µg/g	<0.8			3	20	101	70	130	113	70	130
Arsenic	0.5	µg/g	<0.5			1	20	100	70	130	89	70	130
Barium	0.01	µg/g	<0.01			2	20	99	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			7	20	102	70	130	85	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			14	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	110	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			3	20	99	70	130	88	70	130
Copper	0.1	µg/g	<0.1			3	20	96	70	130	96	70	130
Iron	3	µg/g	<3			1	20	98	70	130	93	70	130
Lead	0.05	µg/g	<0.05			0	20	97	70	130	92	70	130
Lithium	2	µg/g	<2			1	20	103	70	130	101	70	130
Magnesium	3	µg/g	<3			2	20	105	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			0	20	99	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	103	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			1	20	101	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			3	20	97	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	99	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			13	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			10	20	98	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			1	20	100	70	130	87	70	130
Vanadium	1	µg/g	<1			2	20	100	70	130	90	70	130
Yttrium	0.004	µg/g	<0.004			2	20	97	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	91	70	130



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

20-June-2024

Date Rec. : 01 May 2024
LR Report: CA19006-MAY24
Reference: PO#1380289

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-001183-T IR01C-10035MS 71-kwa-s	6: ARDG-001184-T IR01C-10035MS 71-kwa-s	7: ARDG-001185-T IR01C-10035MS 71-kwa-s	8: ARDG-001186-T IR01C-10035MS 71-kwa-s	9: ARDG-001187-T IR01C-10035MS 71-kwa-s	10: ARDG-001188-T IR01C-10035MS 71-kwa-s
Sample Date & Time					17-Apr-24	17-Apr-24	17-Apr-24	17-Apr-24	20-Apr-24	20-Apr-24
Ag [µg/g]	23-May-24	17:34	24-May-24	13:04	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	23-May-24	17:34	24-May-24	13:04	65000	67000	58000	58000	55000	51000
As [µg/g]	23-May-24	17:34	24-May-24	13:04	42	54	23	52	28	66
Ba [µg/g]	23-May-24	17:34	24-May-24	13:04	770	810	460	580	1100	690
Be [µg/g]	23-May-24	17:34	24-May-24	13:04	1.2	1.3	1.1	1.1	1.2	1.2
Bi [µg/g]	23-May-24	17:34	24-May-24	13:04	0.27	0.47	0.18	0.18	0.14	0.18
Ca [µg/g]	23-May-24	17:34	24-May-24	13:04	12000	12000	10000	10000	10000	9800
Cd [µg/g]	23-May-24	17:34	24-May-24	13:04	0.14	0.13	0.11	0.12	0.10	0.11
Co [µg/g]	23-May-24	17:34	24-May-24	13:04	19	21	18	17	20	20
Cr [µg/g]	23-May-24	17:34	24-May-24	13:04	68	77	73	78	98	120
Cu [µg/g]	23-May-24	17:34	24-May-24	13:04	48	46	44	40	47	43
Fe [µg/g]	23-May-24	17:34	24-May-24	13:04	37000	41000	33000	34000	37000	39000
K [µg/g]	23-May-24	17:34	24-May-24	13:04	19000	21000	16000	17000	19000	22000
Li [µg/g]	23-May-24	17:34	24-May-24	13:04	36	41	34	38	40	38
Mg [µg/g]	23-May-24	17:34	24-May-24	13:04	14000	16000	12000	13000	15000	15000
Mn [µg/g]	23-May-24	17:34	24-May-24	13:04	310	330	280	280	300	290
Mo [µg/g]	23-May-24	17:34	24-May-24	13:04	1.7	1.6	1.5	1.3	1.5	1.4
Ni [µg/g]	23-May-24	17:34	24-May-24	13:04	70	74	63	65	71	74
P [µg/g]	23-May-24	17:34	12-Jun-24	11:57	430	450	360	410	390	420
Pb [µg/g]	23-May-24	17:34	24-May-24	13:04	22	32	16	13	7	12

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001183-T IR01C-10035MS 71-kwa-s	6: ARDG-001184-T IR01C-10035MS 71-kwa-s	7: ARDG-001185-T IR01C-10035MS 71-kwa-s	8: ARDG-001186-T IR01C-10035MS 71-kwa-s	9: ARDG-001187-T IR01C-10035MS 71-kwa-s	10: ARDG-001188-T IR01C-10035MS 71-kwa-s
Sb [µg/g]	23-May-24	17:34	24-May-24	13:04	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	23-May-24	17:34	24-May-24	13:04	0.3	0.3	0.2	0.3	0.3	0.2
Sn [µg/g]	23-May-24	17:34	24-May-24	13:04	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	23-May-24	17:34	24-May-24	13:04	270	270	240	210	280	230
Ti [µg/g]	23-May-24	17:34	24-May-24	13:04	900	870	670	650	2200	2500
Tl [µg/g]	23-May-24	17:34	24-May-24	13:04	0.40	0.41	0.33	0.34	0.38	0.46
U [µg/g]	23-May-24	17:34	24-May-24	13:04	1.4	1.5	0.63	1.3	1.7	1.7
V [µg/g]	23-May-24	17:34	24-May-24	13:04	84	93	72	74	85	96
Y [µg/g]	23-May-24	17:34	24-May-24	13:04	5.0	5.2	3.4	4.3	3.9	3.7
Zn [µg/g]	23-May-24	17:34	24-May-24	13:04	80	84	75	74	79	79

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite



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

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: EMS0206-MAY24													
Calcium	3	µg/g	<3			1		98			77		
Phosphorus	3	µg/g	<3			1		95			84		
Potassium	3	µg/g	<3			2		102			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0206-MAY24													
Aluminum	3	µg/g	<3			1	20	94	70	130	82	70	130
Antimony	0.8	µg/g	<0.8			ND	20	110	70	130	70	70	130
Arsenic	0.5	µg/g	<0.5			3	20	98	70	130	91	70	130
Barium	0.01	µg/g	<0.01			1	20	96	70	130	100	70	130
Beryllium	0.02	µg/g	<0.02			10	20	99	70	130	80	70	130
Bismuth	0.09	µg/g	<0.09			6	20	108	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			6	20	98	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			9	20	96	70	130	76	70	130
Cobalt	0.01	µg/g	<0.01			1	20	96	70	130	84	70	130
Copper	0.1	µg/g	<0.1			1	20	97	70	130	94	70	130
Iron	3	µg/g	<3			1	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			0	20	103	70	130	95	70	130
Lithium	2	µg/g	<2			1	20	99	70	130	99	70	130
Magnesium	3	µg/g	<3			1	20	106	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			1	20	96	70	130	91	70	130
Molybdenum	0.1	µg/g	<0.1			3	20	101	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			1	20	100	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			4	20	96	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	91	70	130	81	70	130
Thallium	0.02	µg/g	<0.02			2	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	97	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	98	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			0	20	108	70	130	85	70	130
Vanadium	1	µg/g	<1			1	20	98	70	130	94	70	130
Yttrium	0.004	µg/g	<0.004			4	20	94	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	97	70	130	90	70	130

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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. : 09 May 2024

LR Report: CA19127-MAY24

Reference: Meliandine - PO#1380289

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-001212-TI R01D-10040MS0 5-Kwa-s	6: ARDG-001213-TI R01D-10040MS0 5-Kwa-s	7: ARDG-001214-T R01D-10040MS 05-Mv	8: ARDG-001215-T R01D-10040MS 05-Mv
Sample Date & Time					30-Apr-24	30-Apr-24	30-Apr-24	30-Apr-24
Paste pH [no unit]	15-May-24	13:52	21-May-24	15:58	9.17	9.18	9.05	8.92
Fizz Rate [rating]	15-May-24	13:52	21-May-24	15:58	4	4	4	4
Sample weight [g]	15-May-24	07:17	21-May-24	15:58	2.02	2.03	2.05	2.01
HCl_add [mL]	16-May-24	16:23	21-May-24	15:58	40.00	40.00	150.30	140.20
HCl [Normality]	15-May-24	16:34	21-May-24	15:58	0.10	0.10	0.10	0.10
NaOH [Normality]	15-May-24	16:34	21-May-24	15:58	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-May-24	20:42	21-May-24	15:58	23.06	28.42	53.33	68.15
Final pH [no unit]	16-May-24	16:23	21-May-24	15:58	1.49	1.39	1.49	1.51
NP [t CaCO3/1000 t]	16-May-24	20:42	21-May-24	15:58	41.9	28.5	236	179
AP [t CaCO3/1000 t]	28-May-24	09:01	28-May-24	09:01	2.50	3.12	2.50	3.12
Net NP [t CaCO3/1000 t]	28-May-24	09:01	28-May-24	09:01	39.4	25.4	234	176
NP/AP [ratio]	28-May-24	09:01	28-May-24	09:01	16.8	9.12	94.6	57.3
S [%]	24-May-24	13:15	28-May-24	09:01	0.168	0.141	0.066	0.089
Acid Leachable SO4-S [%]	28-May-24	06:34	28-May-24	09:01	0.09	0.04	< 0.04	< 0.04
Sulphide [%]	27-May-24	14:04	28-May-24	09:01	0.08	0.10	0.08	0.10
C [%]	24-May-24	13:15	28-May-24	09:01	0.612	0.472	2.87	2.87
CO3 (HCl) as %CO3 [%]	28-May-24	07:38	28-May-24	09:01	2.52	1.76	14.0	14.0

Analysis	9: ARDG-001216-TI R01D-10040MS0 5-Kwa-s	10: ARDG-001217-T R01D-10040MS 05-Mv	11: ARDG-001218-T R01D-10040MS 05-Mv
Sample Date & Time	01-May-24	01-May-24	01-May-24
Paste pH [no unit]	9.16	9.21	9.04
Fizz Rate [rating]	4	4	4
Sample weight [g]	2.00	2.02	2.01
HCl_add [mL]	40.00	145.20	140.00
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	23.58	66.14	66.03
Final pH [no unit]	1.44	1.52	1.52
NP [t CaCO3/1000 t]	41.0	196	184
AP [t CaCO3/1000 t]	3.12	3.75	2.19
Net NP [t CaCO3/1000 t]	37.9	192	182

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19127-MAY24

Analysis	9: ARDG-001216-TI R01D-10040MS0 5-Kwa-s	10: ARDG-001217-T R01D-10040MS 05-Mv	11: ARDG-001218-T R01D-10040MS 05-Mv
NP/AP [ratio]	13.1	52.2	84.1
S [%]	0.213	0.193	0.108
Acid Leachable SO ₄ -S [%]	0.11	0.07	< 0.04
Sulphide [%]	0.10	0.12	0.07
C [%]	0.634	2.91	2.84
CO ₃ (HCl) as %CO ₃ [%]	2.74	14.2	13.8

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0067-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	103	80	120			
Carbon/Sulphur - QCBatchID: ECS0076-MAY24													
Carbon (total)	0.005	%	<0.005			3	20				98	70	13
Sulphur (total)	0.005	%	<0.005			4	20				103	70	13
Carbon/Sulphur - QCBatchID: ECS0079-MAY24													
Sulphide	0.04	%	< 0.01			17	20	111	80	120			

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
 , Nunavut
 X0C 0A0, Canada

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Date Rec. : 09 May 2024

LR Report: CA19126-MAY24

Reference: Meliadine - PO#1380289

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-001205 -TIR01C-1003 5MS65-Mv	6: ARDG-001206 -TIR01C-1003 5MS65-Mv	7: ARDG-001207 -TIR01C-1003 5MS65-Mv
Sample Date & Time					29-Apr-24	29-Apr-24	29-Apr-24
Sample weight [g]	22-May-24	07:52	23-May-24	16:32	250	250	250
Volume D.I. Water [mL]	22-May-24	08:22	23-May-24	16:32	750	750	750
pH [no unit]	23-May-24	09:39	23-May-24	16:32	9.06	8.75	9.06
pH [No unit]	23-May-24	16:16	27-May-24	11:14	7.99	8.08	7.91
Conductivity [uS/cm]	23-May-24	16:16	27-May-24	11:14	143	256	140
Alkalinity [mg/L as CaCO3]	23-May-24	16:16	27-May-24	11:14	46	65	42
SO4 [mg/L]	30-May-24	14:57	30-May-24	20:08	8	40	7
Hg (diss) [mg/L]	24-May-24	16:51	28-May-24	13:22	< 0.00001	< 0.00001	0.00002
Ag (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.414	0.464	0.647
As (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.0013	0.0352	0.0033
Ba (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.00073	0.00049	0.00061
B (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.009	0.014	0.008
Be (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	10.0	14.0	9.40
Cd (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.000004	0.000003	0.000010
Co (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.000019	0.000059	0.000024
Cr (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.00008	0.00009	< 0.00008
Cu (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	2.21	3.56	6.31
Li (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.0006	0.0013	0.0004
Mg (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	3.10	5.56	1.85
Mn (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.00166	0.00400	0.00124
Mo (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.0018	0.0031	0.0018
Na (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	11.0	24.3	9.35
Ni (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.0003	0.0003	0.0002

Online LIMS

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**SGS Canada Inc.**

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 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19126-MAY24

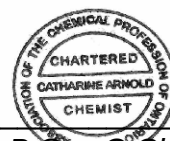
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001205 -TIR01C-1003 5MS65-Mv	6: ARDG-001206 -TIR01C-1003 5MS65-Mv	7: ARDG-001207 -TIR01C-1003 5MS65-Mv
Pb (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.0009	0.0036	0.0026
Se (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.00010	0.00083	0.00011
Si (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.96	1.12	0.88
Sn (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.00006	0.00008	< 0.00006
Sr (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.0293	0.0169	0.0196
Ti (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.000005	< 0.000005	0.000009
U (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.000005	0.000012	0.000006
V (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.00075	0.00096	0.00103
W (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	0.0006	0.0015	0.0011
Y (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	27-May-24	11:19	28-May-24	13:22	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001208 -TIR01C-1003 5MS65-Mv	9: ARDG-001209 -TIR01C-1003 5MS65-Mv	10: ARDG-001210 -TIR01C-1003 5MS65-Mv	11: ARDG-001211 -TIR01C-1003 5MS65-Mv	12: ARDG-001211 -TIR01C-1003 5MS65-Mv	13:BLK: \$D.I. Leachate Blank
Sample Date & Time	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24		
Sample weight [g]	250	250	251	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.10	9.37	9.14	9.11	9.08	5.65
pH [No unit]	8.04	7.82	7.95	7.90	8.00	6.13
Conductivity [uS/cm]	151	122	155	150	152	2
Alkalinity [mg/L as CaCO3]	41	36	36	36	38	< 2
SO4 [mg/L]	10	6	8	8	8	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00005	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.675	0.442	0.639	0.637	0.641	0.003
As (diss) [mg/L]	0.0058	0.0218	0.0059	0.0063	0.0063	< 0.0002
Ba (diss) [mg/L]	0.00121	0.00625	0.00166	0.00171	0.00209	0.00139
B (diss) [mg/L]	0.010	0.018	0.016	0.018	0.015	< 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]	8.68	6.04	9.62	9.04	8.94	0.04
Cd (diss) [mg/L]	< 0.000003	0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000018	0.000027	0.000025	0.000015	0.000063	0.000008
Cr (diss) [mg/L]	0.00009	0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.009	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	5.13	0.458	1.35	1.32	1.33	0.093
Li (diss) [mg/L]	0.0004	0.0003	0.0004	0.0004	0.0003	< 0.0001
Mg (diss) [mg/L]	1.62	2.12	2.10	1.90	1.81	0.008

Analysis	8: ARDG-001208 -TIR01C-1003 5MS65-Mv	9: ARDG-001209 -TIR01C-1003 5MS65-Mv	10: ARDG-001210 -TIR01C-1003 5MS65-Mv	11: ARDG-001211 -TIR01C-1003 5MS65-Mv	12: ARDG-001211 -TIR01C-1003 5MS65-Mv	13:BLK: \$D.I. Leachate Blank
Mn (diss) [mg/L]	0.00173	0.00067	0.00138	0.00141	0.00133	0.00034
Mo (diss) [mg/L]	0.0023	0.0059	0.0045	0.0041	0.0042	< 0.0004
Na (diss) [mg/L]	13.5	12.2	14.5	13.6	13.2	0.03
Ni (diss) [mg/L]	0.0002	0.0003	0.0003	0.0001	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00016	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0062	0.0091	0.0058	0.0055	0.0058	< 0.0009
Se (diss) [mg/L]	0.00017	0.00013	0.00016	0.00018	0.00016	< 0.00004
Si (diss) [mg/L]	0.96	2.05	1.08	1.05	1.06	< 0.02
Sn (diss) [mg/L]	0.00008	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0128	0.0114	0.0229	0.0235	0.0237	0.00023
Ti (diss) [mg/L]	< 0.0001	0.0004	0.0001	0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000007	0.000012	0.000006	0.000005	0.000006	0.000003
V (diss) [mg/L]	0.00151	0.00459	0.00131	0.00140	0.00140	0.00002
W (diss) [mg/L]	0.0029	0.0029	0.0016	0.0016	0.0018	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
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
Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety



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: EWL0561-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Alkalinity - QCBatchID: EWL0592-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5010-MAY24													
Sulphate	2	mg/L	<2			12	20	108	80	120	107	75	125
Conductivity - QCBatchID: EWL0561-MAY24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0592-MAY24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0600-MAY24													
Conductivity	2	uS/cm	< 2			ND	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0050-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	87	80	120	NV	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0246-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			9	20	98	90	110	111	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	98	90	110	112	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	98	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	99	90	110	102	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	98	90	110	96	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	108	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	98	90	110	91	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	101	90	110	127	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			8	20	101	90	110	101	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	113	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	95	90	110	103	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	98	90	110	104	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	93	90	110	99	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	105	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	101	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			13	20	98	90	110	110	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	98	90	110	99	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	105	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	104	90	110	98	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	96	90	110	105	70	130

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
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	89	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	97	90	110	95	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			6	20	100	90	110	98	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	93	90	110	109	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	103	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	96	90	110	109	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			15	20	97	90	110	100	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	106	70	130
pH - QCBatchID: EWL0561-MAY24													
pH	0.05	No unit	NA			0		101			NA		
pH - QCBatchID: EWL0592-MAY24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 09 May 2024

LR Report: CA19129-MAY24

Reference: Meliadine - PO#1380289

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-001212 ARDG-001213 ARDG-001214 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 0MS05-Kwa-s 0MS05-Kwa-s 0MS05-Mv	6: ARDG-001212 ARDG-001213 ARDG-001214 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 0MS05-Kwa-s 0MS05-Kwa-s 0MS05-Mv	7: ARDG-001212 ARDG-001213 ARDG-001214 -TIR01D-1004 -TIR01D-1004 -TIR01D-1004 0MS05-Kwa-s 0MS05-Kwa-s 0MS05-Mv
Sample Date & Time					30-Apr-24	30-Apr-24	30-Apr-24
Sample weight [g]	22-May-24	07:52	23-May-24	16:32	250	249	250
Volume D.I. Water [mL]	22-May-24	08:22	23-May-24	16:32	750	750	750
pH [no unit]	23-May-24	09:39	23-May-24	16:32	9.24	9.29	9.26
pH [No unit]	24-May-24	15:44	27-May-24	11:14	8.05	8.06	8.15
Conductivity [uS/cm]	24-May-24	15:44	27-May-24	11:14	175	155	187
Alkalinity [mg/L as CaCO3]	24-May-24	15:44	27-May-24	11:14	47	41	52
SO4 [mg/L]	30-May-24	14:57	30-May-24	20:08	11	7	8
Hg (diss) [mg/L]	24-May-24	16:51	28-May-24	13:21	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.837	0.915	0.867
As (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.0288	0.0010	0.0775
Ba (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.00172	0.00053	0.00236
B (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.019	0.015	0.019
Be (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	6.89	6.78	5.69
Cd (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.000007	0.000004	0.000003
Co (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.000023	0.000007	0.000063
Cr (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.00012	< 0.00008	0.00026
Cu (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.008	< 0.007	0.025
K (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	12.5	3.75	18.8
Li (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.0005	0.0005	0.0005
Mg (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	1.34	0.917	1.41
Mn (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.00059	0.00107	0.00090
Mo (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.0057	0.0028	0.0064
Na (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	15.8	18.7	15.6
Ni (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.0003	0.0001	0.0006

Online LIMS

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**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19129-MAY24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001212 ARDG-001212 -TIR01D-1004 OMS05-Kwa-s	6: ARDG-001213 ARDG-001213 -TIR01D-1004 OMS05-Kwa-s	7: ARDG-001214 ARDG-001214 -TIR01D-1004 OMS05-Mv
Pb (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.0055	< 0.0009	0.0070
Se (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.00023	0.00015	0.00011
Si (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	1.31	0.90	1.46
Sn (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	< 0.00006	< 0.00006	0.00007
Sr (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.0369	0.0204	0.0338
Ti (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.0004	< 0.0001	0.0013
Tl (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	< 0.000005	< 0.000005	0.000006
U (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.000116	0.000003	0.000145
V (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.00176	0.00139	0.00269
W (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	0.00100	0.00041	0.00158
Y (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	< 0.00002	< 0.00002	0.00002
Zn (diss) [mg/L]	27-May-24	11:19	28-May-24	13:21	< 0.002	< 0.002	< 0.002

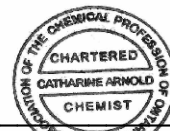
Analysis	8: ARDG-001215 -TIR01D-1004 OMS05-Mv	9: ARDG-001216 -TIR01D-1004 OMS05-Kwa-s	10: ARDG-001217 -TIR01D-1004 OMS05-Mv	11: ARDG-001218 -TIR01D-1004 OMS05-Mv
Sample Date & Time	30-Apr-24	01-May-24	01-May-24	01-May-24
Sample weight [g]	251	249	249	251
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.26	9.21	9.42	9.17
pH [No unit]	8.10	8.15	8.31	8.11
Conductivity [uS/cm]	156	228	183	174
Alkalinity [mg/L as CaCO3]	44	61	54	49
SO4 [mg/L]	7	12	10	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]	0.874	0.729	1.00	0.847
As (diss) [mg/L]	0.0009	0.0530	0.0015	0.0011
Ba (diss) [mg/L]	0.00065	0.00473	0.00065	0.00115
B (diss) [mg/L]	0.016	0.015	0.023	0.014
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]	7.16	7.29	4.62	6.95
Cd (diss) [mg/L]	< 0.000003	0.000006	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000012	0.000032	0.000008	0.000009
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	3.92	19.9	4.64	4.79
Li (diss) [mg/L]	0.0006	0.0011	0.0005	0.0008
Mg (diss) [mg/L]	1.06	2.51	0.698	1.14

Analysis	8:	9:	10:	11:
	ARDG-001215	ARDG-001216	ARDG-001217	ARDG-001218
	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004	-TIR01D-1004
	OMS05-Mv	OMS05-Kwa-s	OMS05-Mv	OMS05-Mv
Mn (diss) [mg/L]	0.00117	0.00108	0.00066	0.00150
Mo (diss) [mg/L]	0.0026	0.0072	0.0020	0.0024
Na (diss) [mg/L]	18.1	19.7	26.8	21.5
Ni (diss) [mg/L]	0.0002	0.0004	< 0.0001	0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	< 0.0009	0.0048	0.0011	< 0.0009
Se (diss) [mg/L]	0.00013	0.00024	0.00022	0.00021
Si (diss) [mg/L]	0.91	1.53	1.03	0.95
Sn (diss) [mg/L]	< 0.00006	0.00014	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0222	0.0425	0.0126	0.0206
Ti (diss) [mg/L]	< 0.0001	0.0003	< 0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	0.000007	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000005	0.000241	0.000006	0.000008
V (diss) [mg/L]	0.00122	0.00209	0.00252	0.00134
W (diss) [mg/L]	0.00039	0.00241	0.00071	0.00060
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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

Revised report with QC Report added.

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



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: EWL0592-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5010-MAY24													
Sulphate	2	mg/L	<2			12	20	108	80	120	107	75	125
Conductivity - QCBatchID: EWL0592-MAY24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0050-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	87	80	120	NV	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0246-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			9	20	98	90	110	111	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	98	90	110	112	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	98	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	99	90	110	102	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	98	90	110	96	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	94	90	110	108	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	98	90	110	91	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	101	90	110	127	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			8	20	101	90	110	101	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	113	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	95	90	110	103	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	98	90	110	104	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	93	90	110	99	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	105	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	101	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			13	20	98	90	110	110	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	98	90	110	99	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	105	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	104	90	110	98	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	96	90	110	105	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	89	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	97	90	110	95	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			6	20	100	90	110	98	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	93	90	110	109	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	103	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	99	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	96	90	110	109	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			15	20	97	90	110	100	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	106	70	130
pH - QCBatchID: EWL0592-MAY24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OPTIR01

Project : PO#1380289

20-June-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 May 2024
LR Report: CA19060-MAY24
Reference: Meliadine - PO#1380289

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-001196-T ARDG-001197-T ARDG-001198-T ARDG-001199-T IR01D-10040MS IR01D-10040MS IR01D-10040MS IR01D-10040MS 06-Mv 06-Mv 06-Mv 06-Mv	6: ARDG-001196-T ARDG-001197-T ARDG-001198-T ARDG-001199-T IR01D-10040MS IR01D-10040MS IR01D-10040MS IR01D-10040MS 06-Mv 06-Mv 06-Mv 06-Mv	7: ARDG-001196-T ARDG-001197-T ARDG-001198-T ARDG-001199-T IR01D-10040MS IR01D-10040MS IR01D-10040MS IR01D-10040MS 06-Mv 06-Mv 06-Mv 06-Mv	8: ARDG-001196-T ARDG-001197-T ARDG-001198-T ARDG-001199-T IR01D-10040MS IR01D-10040MS IR01D-10040MS IR01D-10040MS 06-Mv 06-Mv 06-Mv 06-Mv
Sample Date & Time					24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24
Ag [µg/g]	24-May-24	16:36	27-May-24	11:47	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	24-May-24	16:36	27-May-24	11:47	75000	70000	73000	69000
As [µg/g]	24-May-24	16:36	27-May-24	11:47	9.5	6.7	9.3	7.8
Ba [µg/g]	24-May-24	16:36	27-May-24	11:47	130	110	70	72
Be [µg/g]	24-May-24	16:36	27-May-24	11:47	0.46	0.44	0.39	0.47
Bi [µg/g]	24-May-24	16:36	27-May-24	11:47	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	24-May-24	16:36	27-May-24	11:47	78000	78000	86000	97000
Cd [µg/g]	24-May-24	16:36	27-May-24	11:47	0.11	0.12	0.10	0.12
Co [µg/g]	24-May-24	16:36	27-May-24	11:47	46	41	45	37
Cr [µg/g]	24-May-24	16:36	27-May-24	11:47	140	130	140	140
Cu [µg/g]	24-May-24	16:36	27-May-24	11:47	84	93	79	140
Fe [µg/g]	24-May-24	16:36	27-May-24	11:47	66000	64000	64000	61000
K [µg/g]	24-May-24	16:36	27-May-24	11:47	7500	7200	4000	5200
Li [µg/g]	24-May-24	16:36	27-May-24	11:47	68	60	70	69
Mg [µg/g]	24-May-24	16:36	27-May-24	11:47	22000	27000	21000	19000
Mn [µg/g]	24-May-24	16:36	27-May-24	11:47	1600	1700	1700	1500
Mo [µg/g]	24-May-24	16:36	27-May-24	11:47	0.3	0.4	0.4	0.9
Ni [µg/g]	24-May-24	16:36	27-May-24	11:47	120	110	110	110
P [µg/g]	24-May-24	16:36	12-Jun-24	11:59	240	220	230	210
Pb [µg/g]	24-May-24	16:36	27-May-24	11:47	4	4	3	4
Sb [µg/g]	24-May-24	16:36	27-May-24	11:47	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	24-May-24	16:36	27-May-24	11:47	0.5	0.3	0.3	0.5
Sn [µg/g]	24-May-24	16:36	27-May-24	11:47	< 6	< 6	< 6	< 6
Sr [µg/g]	24-May-24	16:36	27-May-24	11:47	120	130	140	170
Ti [µg/g]	24-May-24	16:36	27-May-24	11:47	640	430	460	450
Tl [µg/g]	24-May-24	16:36	27-May-24	11:47	0.31	0.30	0.17	0.22
U [µg/g]	24-May-24	16:36	27-May-24	11:47	0.14	0.082	0.14	0.12
V [µg/g]	24-May-24	16:36	27-May-24	11:47	220	200	210	200
Y [µg/g]	24-May-24	16:36	27-May-24	11:47	7.3	5.1	8.2	8.7
Zn [µg/g]	24-May-24	16:36	27-May-24	11:47	110	95	92	94

Online LIMS

0003752810

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OPTIR01**Project :** PO#1380289**LR Report :** CA19060-MAY24

Analysis	9:	10:	11:	12:	13:
	ARDG-001200-T	ARDG-001201-T	ARDG-001202-T	ARDG-001203-T	ARDG-001204-T
	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS	IR01D-10040MS
	06-Mv	06-Mv	06-Mv	06-Mv	06-Mv
Sample Date & Time	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	71000	71000	71000	75000	71000
As [µg/g]	8.3	6.9	5.3	4.7	5.6
Ba [µg/g]	68	70	84	39	49
Be [µg/g]	0.46	0.43	0.40	0.39	0.39
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	93000	89000	90000	78000	89000
Cd [µg/g]	0.12	0.11	0.09	0.08	0.11
Co [µg/g]	39	39	44	44	43
Cr [µg/g]	140	110	120	120	130
Cu [µg/g]	140	82	110	91	100
Fe [µg/g]	63000	60000	68000	69000	64000
K [µg/g]	4600	4100	3400	2400	2400
Li [µg/g]	71	71	68	69	70
Mg [µg/g]	20000	19000	22000	22000	20000
Mn [µg/g]	1700	1800	1800	1700	1800
Mo [µg/g]	0.7	0.3	0.5	0.4	0.3
Ni [µg/g]	110	110	110	120	110
P [µg/g]	210	220	240	230	230
Pb [µg/g]	3	3	3	3	2
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.4	0.4	0.4	0.5	0.4
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	140	130	110	110	120
Ti [µg/g]	410	400	570	360	460
Tl [µg/g]	0.19	0.18	0.14	0.10	0.09
U [µg/g]	0.091	0.081	0.065	0.078	0.068
V [µg/g]	200	210	210	210	200
Y [µg/g]	8.3	11	11	14	13
Zn [µg/g]	95	83	95	98	85

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite

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

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: EMS0230-MAY24													
Calcium	3	µg/g	<3			1		96			93		
Phosphorus	3	µg/g	<3			1		95			86		
Potassium	3	µg/g	<3			1		101			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0230-MAY24													
Aluminum	3	µg/g	<3			1	20	95	70	130	99	70	130
Antimony	0.8	µg/g	<0.8			3	20	101	70	130	113	70	130
Arsenic	0.5	µg/g	<0.5			1	20	100	70	130	89	70	130
Barium	0.01	µg/g	<0.01			2	20	99	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			7	20	102	70	130	85	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			14	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	110	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			3	20	99	70	130	88	70	130
Copper	0.1	µg/g	<0.1			3	20	96	70	130	96	70	130
Iron	3	µg/g	<3			1	20	98	70	130	93	70	130
Lead	0.05	µg/g	<0.05			0	20	97	70	130	92	70	130
Lithium	2	µg/g	<2			1	20	103	70	130	101	70	130
Magnesium	3	µg/g	<3			2	20	105	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			0	20	99	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	103	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			1	20	101	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			3	20	97	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	99	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			13	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			10	20	98	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			1	20	100	70	130	87	70	130
Vanadium	1	µg/g	<1			2	20	100	70	130	90	70	130
Yttrium	0.004	µg/g	<0.004			2	20	97	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	99	70	130	91	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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. : 09 May 2024

LR Report: CA19124-MAY24

Reference: Meliadine - PO#1380289

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-001205-T ARD IR01C-10035MS 65-Mv	6: ARDG-001206-T ARD IR01C-10035MS 65-Mv	7: ARDG-001207-T ARD IR01C-10035MS 65-Mv
Sample Date & Time					29-Apr-24	29-Apr-24	29-Apr-24
Paste pH [no unit]	15-May-24	13:52	21-May-24	15:57	8.78	8.86	8.85
Fizz Rate [rating]	15-May-24	13:52	21-May-24	15:57	4	4	4
Sample weight [g]	15-May-24	07:17	21-May-24	15:57	2.01	2.02	2.04
HCl_add [mL]	16-May-24	16:23	21-May-24	15:57	120.10	158.10	145.20
HCl [Normality]	15-May-24	16:34	21-May-24	15:57	0.10	0.10	0.10
NaOH [Normality]	15-May-24	16:34	21-May-24	15:57	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-May-24	20:42	21-May-24	15:57	55.40	58.88	51.57
Final pH [no unit]	16-May-24	16:23	21-May-24	15:57	1.62	1.51	1.50
NP [t CaCO3/1000 t]	16-May-24	20:42	21-May-24	15:57	161	246	230
AP [t CaCO3/1000 t]	28-May-24	09:00	28-May-24	09:01	2.81	5.94	2.50
Net NP [t CaCO3/1000 t]	28-May-24	09:00	28-May-24	09:01	158	240	227
NP/AP [ratio]	28-May-24	09:00	28-May-24	09:01	57.2	41.4	91.8
S [%]	24-May-24	13:15	28-May-24	09:00	0.120	0.286	0.150
Acid Leachable SO4-S [%]	28-May-24	06:33	28-May-24	09:00	< 0.04	0.10	0.07
Sulphide [%]	27-May-24	14:04	28-May-24	09:00	0.09	0.19	0.08
C [%]	24-May-24	13:15	28-May-24	09:00	2.63	3.24	2.77
CO3 (HCl) as %CO3 [%]	28-May-24	07:38	28-May-24	09:00	12.7	15.7	13.4

Analysis	8: ARDG-001208-T ARD IR01C-10035MS 65-Mv	9: ARDG-001209-T ARD IR01C-10035MS 65-Mv	10: ARDG-001210-T ARD IR01C-10035MS 65-Mv	11: ARDG-001211-T ARD IR01C-10035MS 65-Mv
Sample Date & Time	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24
Paste pH [no unit]	8.86	9.18	8.82	8.86
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.00	2.00	2.03	2.05
HCl_add [mL]	140.20	40.00	105.00	100.00
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]	66.57	22.73	35.49	36.68
Final pH [no unit]	1.50	1.52	1.51	1.48

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19124-MAY24

Analysis	8:	9:	10:	11:
	ARDG-001208-TARDG-001209-T	ARDG-001210-T	ARDG-001211-T	
	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS
	65-Mv	65-Mv	65-Mv	65-Mv
NP [t CaCO ₃ /1000 t]	184	43.2	171	154
AP [t CaCO ₃ /1000 t]	1.88	1.25	2.19	2.50
Net NP [t CaCO ₃ /1000 t]	182	42.0	169	152
NP/AP [ratio]	98.2	34.6	78.3	61.8
S [%]	0.115	0.073	0.113	0.135
Acid Leachable SO ₄ -S [%]	0.06	< 0.04	0.04	0.06
Sulphide [%]	0.06	0.04	0.07	0.08
C [%]	2.90	0.566	2.14	1.92
CO ₃ (HCl) as %CO ₃ [%]	14.0	2.35	10.3	9.22

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0067-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	103	80	120			
Carbon/Sulphur - QCBatchID: ECS0076-MAY24													
Carbon (total)	0.005	%	<0.005			3	20				98	70	13
Sulphur (total)	0.005	%	<0.005			4	20				103	70	13
Carbon/Sulphur - QCBatchID: ECS0079-MAY24													
Sulphide	0.04	%	< 0.01			17	20	111	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

14-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 09 May 2024

LR Report: CA19125-MAY24

Reference: Meliadine - PO#1380289

Copy: #2

Phone: (819) 759-3555

Fax:(819) 759-3663

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-001205-T IR01C-10035MS 65-Mv	6: ARDG-001206-T IR01C-10035MS 65-Mv	7: ARDG-001207-T IR01C-10035MS 65-Mv	8: ARDG-001208-T IR01C-10035MS 65-Mv	9: ARDG-001209-T IR01C-10035MS 65-Mv
Sample Date & Time					29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24
Ag [µg/g]	30-May-24	11:57	31-May-24	07:37	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-May-24	11:57	31-May-24	07:37	71000	75000	70000	72000	78000
As [µg/g]	30-May-24	11:57	31-May-24	07:37	7.9	130	22	40	41
Ba [µg/g]	30-May-24	11:57	31-May-24	07:37	72	120	120	150	7
Be [µg/g]	30-May-24	11:57	31-May-24	07:37	0.28	0.42	0.29	0.32	0.28
Bi [µg/g]	30-May-24	11:57	31-May-24	07:37	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	30-May-24	11:57	31-May-24	07:37	75000	86000	84000	92000	78000
Cd [µg/g]	30-May-24	11:57	31-May-24	07:37	0.11	0.22	0.11	0.15	0.12
Co [µg/g]	30-May-24	11:57	31-May-24	07:37	52	47	48	50	54
Cr [µg/g]	30-May-24	11:57	31-May-24	07:37	86	96	77	110	210
Cu [µg/g]	30-May-24	11:57	31-May-24	07:37	110	91	140	130	130
Fe [µg/g]	30-May-24	11:57	31-May-24	07:37	77000	72000	73000	71000	87000
K [µg/g]	30-May-24	11:57	31-May-24	07:37	1800	4500	5800	4800	190
Li [µg/g]	30-May-24	11:57	31-May-24	07:37	75	73	61	47	22
Mg [µg/g]	30-May-24	11:57	31-May-24	07:37	38000	23000	29000	25000	43000
Mn [µg/g]	30-May-24	11:57	31-May-24	07:37	1500	2200	1700	2000	1600
Mo [µg/g]	30-May-24	11:57	31-May-24	07:37	0.3	0.3	0.4	0.3	0.5
Ni [µg/g]	30-May-24	11:57	31-May-24	07:37	140	120	140	150	160
P [µg/g]	30-May-24	11:57	12-Jun-24	11:53	180	250	180	190	190
Pb [µg/g]	30-May-24	11:57	31-May-24	07:37	2	9	2	2	3
Sb [µg/g]	30-May-24	11:57	31-May-24	07:37	< 0.8	< 0.8	< 0.8	< 0.8	1.8
Se [µg/g]	30-May-24	11:57	31-May-24	07:37	0.5	0.4	0.4	0.5	0.5
Sn [µg/g]	30-May-24	11:57	31-May-24	07:37	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	30-May-24	11:57	31-May-24	07:37	100	120	96	81	170
Ti [µg/g]	30-May-24	11:57	31-May-24	07:37	510	3700	2500	4000	4600
Tl [µg/g]	30-May-24	11:57	31-May-24	07:37	0.08	0.23	0.27	0.23	< 0.02
U [µg/g]	30-May-24	11:57	31-May-24	07:37	0.093	0.13	0.057	0.092	0.073
V [µg/g]	30-May-24	11:57	31-May-24	07:37	220	240	220	230	260
Y [µg/g]	30-May-24	11:57	31-May-24	07:37	6.7	6.7	9.4	15	16
Zn [µg/g]	30-May-24	11:57	31-May-24	07:37	87	120	88	92	95

Analysis	10: ARDG-001210-T IR01C-10035MS 65-Mv	11: ARDG-001211-T IR01C-10035MS 65-Mv
Sample Date & Time	29-Apr-24	29-Apr-24

SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock OP TIR01

Project : PO#1380289

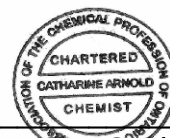
LR Report : CA19125-MAY24

Analysis	10: ARDG-001210-T IR01C-10035MS 65-Mv	11: ARDG-001211-T IR01C-10035MS 65-Mv
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	74000	77000
As [µg/g]	43	64
Ba [µg/g]	50	49
Be [µg/g]	0.33	0.34
Bi [µg/g]	< 0.09	< 0.09
Ca [µg/g]	98000	92000
Cd [µg/g]	0.12	0.15
Co [µg/g]	51	63
Cr [µg/g]	130	120
Cu [µg/g]	130	140
Fe [µg/g]	74000	74000
K [µg/g]	570	620
Li [µg/g]	35	35
Mg [µg/g]	28000	29000
Mn [µg/g]	2100	2100
Mo [µg/g]	0.4	0.4
Ni [µg/g]	150	150
P [µg/g]	210	200
Pb [µg/g]	3	3
Sb [µg/g]	1.2	1.3
Se [µg/g]	0.5	0.6
Sn [µg/g]	< 6	< 6
Sr [µg/g]	160	160
Ti [µg/g]	4300	4400
Tl [µg/g]	0.03	0.03
U [µg/g]	0.096	0.089
V [µg/g]	230	240
Y [µg/g]	16	17
Zn [µg/g]	95	96

Bulk Metals Suite

Revised report with P and QC Report added.

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



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: EMS0289-MAY24													
Calcium	3	µg/g	<3			1		94			72		
Phosphorus	3	µg/g	<3			3		95			85		
Potassium	3	µg/g	<3			0		104			92		
Metals - Microwave/ICP-MS - QCBatchID: EMS0289-MAY24													
Aluminum	3	µg/g	<3			1	20	102	70	130	86	70	130
Antimony	0.8	µg/g	<0.8			ND	20	99	70	130	106	70	130
Arsenic	0.5	µg/g	<0.5			9	20	105	70	130	93	70	130
Barium	0.01	µg/g	<0.01			1	20	100	70	130	108	70	130
Beryllium	0.02	µg/g	<0.02			2	20	98	70	130	86	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			7	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	109	70	130	92	70	130
Cobalt	0.01	µg/g	<0.01			5	20	105	70	130	95	70	130
Copper	0.1	µg/g	<0.1			6	20	102	70	130	104	70	130
Iron	3	µg/g	<3			0	20	100	70	130	95	70	130
Lead	0.05	µg/g	<0.05			0	20	102	70	130	104	70	130
Lithium	2	µg/g	<2			1	20	100	70	130	109	70	130
Magnesium	3	µg/g	<3			1	20	107	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			0	20	104	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	103	70	130	98	70	130
Nickel	0.1	µg/g	<0.1			1	20	108	70	130	114	70	130
Selenium	0.1	µg/g	<0.1			13	20	103	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	102	70	130	97	70	130
Thallium	0.02	µg/g	<0.02			9	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	98	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			4	20	97	70	130	80	70	130
Uranium	0.002	µg/g	<0.002			6	20	102	70	130	123	70	130
Vanadium	1	µg/g	<1			0	20	106	70	130	104	70	130
Yttrium	0.004	µg/g	<0.004			1	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	108	70	130	103	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 13 May 2024

LR Report: CA19158-MAY24

Reference: Meliadine - PO#1380289

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-001219 -TIR01C-1003 5MS72-Kwa-s	6: ARDG-001220 -TIR01C-1003 5MS72-Kwa-s	7: ARDG-001221 -TIR01C-1003 5MS72-Mv
Sample Date & Time					01-May-24	01-May-24	01-May-24
Paste pH [no unit]	16-May-24	14:39	22-May-24	13:37	9.44	9.46	9.16
Fizz Rate [rating]	21-May-24	08:20	22-May-24	13:37	4	4	4
Sample weight [g]	17-May-24	08:07	23-May-24	16:24	2.02	2.03	2.00
HCl_add [mL]	22-May-24	15:48	23-May-24	16:24	40.00	40.00	135.40
HCl [Normality]	21-May-24	15:53	23-May-24	16:24	0.10	0.10	0.10
NaOH [Normality]	21-May-24	15:53	23-May-24	16:24	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	23-May-24	13:42	23-May-24	16:24	22.95	23.73	39.20
Final pH [no unit]	22-May-24	15:54	23-May-24	16:24	1.49	1.51	1.71
NP [t CaCO3/1000 t]	23-May-24	13:51	23-May-24	16:24	42.2	40.1	240
AP [t CaCO3/1000 t]	29-May-24	13:15	29-May-24	13:15	4.06	4.06	4.38
Net NP [t CaCO3/1000 t]	29-May-24	13:15	29-May-24	13:15	38.1	36.0	236
NP/AP [ratio]	29-May-24	13:15	29-May-24	13:15	10.4	9.87	55.0
S [%]	28-May-24	10:41	29-May-24	11:10	0.289	0.292	0.179
Acid Leachable SO4-S [%]	28-May-24	14:42	29-May-24	11:10	0.16	0.16	< 0.04
Sulphide [%]	28-May-24	14:38	29-May-24	11:10	0.13	0.13	0.14
C [%]	28-May-24	10:41	29-May-24	11:10	0.654	0.623	3.09
CO3 (HCl) as %CO3 [%]	29-May-24	12:37	29-May-24	13:14	2.89	2.70	14.9

Analysis	8: ARDG-001222 -TIR01C-1003 5MS72-Mv	9: ARDG-001223 -TIR01C-1003 5MS72-Mv	10: ARDG-001224 -TIR01C-1003 5MS72-Mv	11: ARDG-001225 -TIR01C-1003 5MS72-Mv
Sample Date & Time	01-May-24	01-May-24	01-May-24	01-May-24
Paste pH [no unit]	9.15	9.20	9.00	9.11
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.03	2.02	2.01	1.99
HCl_add [mL]	141.10	137.30	135.10	140.00

Analysis	8:	9:	10:	11:
	ARDG-001222	ARDG-001223	ARDG-001224	ARDG-001225
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003
	5MS72-Mv	5MS72-Mv	5MS72-Mv	5MS72-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]	39.72	42.58	36.64	48.96
Final pH [no unit]	1.74	1.70	1.76	1.66
NP [t CaCO3/1000 t]	250	234	245	229
AP [t CaCO3/1000 t]	3.75	2.19	6.88	6.25
Net NP [t CaCO3/1000 t]	246	232	238	222
NP/AP [ratio]	66.6	107	35.6	36.6
S [%]	0.154	0.171	0.248	0.385
Acid Leachable SO4-S [%]	< 0.04	0.10	< 0.04	0.18
Sulphide [%]	0.12	0.07	0.22	0.20
C [%]	3.39	3.17	3.27	3.33
CO3 (HCl) as %CO3 [%]	16.4	15.5	15.9	16.4

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

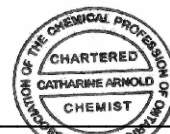
NP/AP Ratio = NP/AP

*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.

Revised report with QC Report added.

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



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: ECS0066-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	97	80	120			
Carbon/Sulphur - QCBatchID: ECS0083-MAY24													
Carbon (total)	0.005	%	<0.005			2	20				99	70 130	
Sulphur (total)	0.005	%	<0.005			11	20				102	70 130	
Carbon/Sulphur - QCBatchID: ECS0084-MAY24													
Sulphide	0.04	%	< 0.01			3	20	109	80	120			



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#1380289

20-June-2024

Date Rec. : 06 May 2024
LR Report: CA19061-MAY24
Reference: Meliadine - PO#1380289

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-001196 -TIR01D-1004 OMS06-Mv	6: ARDG-001197 -TIR01D-1004 OMS06-Mv	7: ARDG-001198 -TIR01D-1004 OMS06-Mv	8: ARDG-001199 -TIR01D-1004 OMS06-Mv	9: ARDG-001200 -TIR01D-1004 OMS06-Mv	10: ARDG-001201 -TIR01D-1004 OMS06-Mv
Sample Date & Time					24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24	24-Apr-24
Sample weight [g]	10-May-24	12:55	14-May-24	10:52	251	250	250	250	251	251
Volume D.I. Water [mL]	13-May-24	09:45	14-May-24	10:52	750	750	750	750	750	750
pH [no unit]	14-May-24	09:22	14-May-24	10:52	8.79	8.85	8.90	8.80	8.83	9.07
pH [No unit]	14-May-24	15:23	15-May-24	14:33	8.12	8.21	8.07	8.06	8.08	8.18
Conductivity [uS/cm]	14-May-24	15:23	15-May-24	14:33	213	229	204	314	245	194
Alkalinity [mg/L as CaCO3]	14-May-24	15:23	15-May-24	14:33	61	69	53	51	54	53
SO4 [mg/L]	17-May-24	17:55	22-May-24	14:55	26	21	26	44	37	11
Hg (diss) [mg/L]	15-May-24	16:42	16-May-24	09:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.592	0.508	0.658	0.573	0.640	0.921
As (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0008	0.0009	0.0009	0.0009	0.0007	0.0010
Ba (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00102	0.00104	0.00093	0.00117	0.00099	0.00054
B (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.018	0.014	0.014	0.021	0.021	0.023
Be (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001196 -TIR01D-1004 OMS06-Mv	6: ARDG-001197 -TIR01D-1004 OMS06-Mv	7: ARDG-001198 -TIR01D-1004 OMS06-Mv	8: ARDG-001199 -TIR01D-1004 OMS06-Mv	9: ARDG-001200 -TIR01D-1004 OMS06-Mv	10: ARDG-001201 -TIR01D-1004 OMS06-Mv
Ca (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	12.8	11.4	10.8	14.6	13.1	7.54
Cd (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.000003	< 0.000003	0.000004	< 0.000003	0.000004	< 0.000003
Co (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.000012	0.000006	0.000006	0.000008	0.000013	0.000008
Cr (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	6.48	6.72	4.79	5.86	4.73	5.14
Li (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0021	0.0020	0.0017	0.0020	0.0021	0.0015
Mg (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	3.57	5.34	2.41	3.04	2.82	1.26
Mn (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00279	0.00246	0.00231	0.00307	0.00300	0.00162
Mo (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0033	0.0031	0.0028	0.0046	0.0051	0.0028
Na (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	20.5	22.3	23.3	36.2	27.8	26.1
Ni (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.0009	< 0.0009	< 0.0009	0.0011	0.0011	0.0009
Se (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00035	0.00067	0.00036	0.00070	0.00043	0.00019
Si (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	1.37	1.41	1.36	1.35	1.41	1.26
Sn (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.0230	0.0185	0.0215	0.0351	0.0253	0.0149
Ti (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.000006	0.000007	< 0.000005	0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.000015	0.000006	0.000005	0.000038	0.000011	0.000007
V (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00100	0.00094	0.00131	0.00115	0.00128	0.00221
W (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	0.00095	0.00128	0.00085	0.00148	0.00216	0.00089
Y (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	16-May-24	12:35	17-May-24	16:29	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: ARDG-001202 -TIR01D-1004 OMS06-Mv	12: ARDG-001203 -TIR01D-1004 OMS06-Mv	13: ARDG-001204 -TIR01D-1004 OMS06-Mv	14: ARDG-001204 -TIR01D-1004 OMS06-Mv	15:BLK: \$D.I. Leachate Blank
Sample Date & Time	24-Apr-24	24-Apr-24	24-Apr-24		
Sample weight [g]	251	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	8.91	9.07	9.17	9.19	5.62
pH [No unit]	8.16	8.10	8.20	8.19	6.53
Conductivity [uS/cm]	173	167	162	162	9
Alkalinity [mg/L as CaCO3]	53	47	51	49	2
SO4 [mg/L]	20	12	12	12	< 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]	0.737	0.881	1.02	1.03	0.007
As (diss) [mg/L]	0.0007	0.0005	0.0010	0.0010	< 0.0002
Ba (diss) [mg/L]	0.00277	0.00045	0.00050	0.00083	0.00020
B (diss) [mg/L]	0.011	0.015	0.020	0.020	< 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]	10.8	8.87	6.48	6.40	0.02
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000004	0.000009	< 0.000004	0.000006	< 0.000004
Cr (diss) [mg/L]	< 0.000008	< 0.000008	< 0.000008	< 0.000008	< 0.000008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	4.07	3.48	3.88	3.89	1.28
Li (diss) [mg/L]	0.0014	0.0012	0.0010	0.0010	< 0.0001
Mg (diss) [mg/L]	2.03	1.43	0.996	0.983	0.005
Mn (diss) [mg/L]	0.00202	0.00158	0.00121	0.00125	0.00019
Mo (diss) [mg/L]	0.0050	0.0031	0.0027	0.0026	< 0.0004
Na (diss) [mg/L]	18.1	19.3	22.8	22.6	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

Analysis	11: ARDG-001202 -TIR01D-1004 OMS06-Mv	12: ARDG-001203 -TIR01D-1004 OMS06-Mv	13: ARDG-001204 -TIR01D-1004 OMS06-Mv	14: ARDG-001204 -TIR01D-1004 OMS06-Mv	15:BLK: \$D.I. Leachate Blank
Sb (diss) [mg/L]	< 0.0009	< 0.0009	< 0.0009	0.0009	< 0.0009
Se (diss) [mg/L]	0.00066	0.00025	0.00025	0.00027	< 0.00004
Si (diss) [mg/L]	1.26	1.21	1.25	1.28	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0169	0.0130	0.0125	0.0126	0.00011
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000009	0.000004	0.000004	0.000005	< 0.000002
V (diss) [mg/L]	0.00148	0.00164	0.00233	0.00235	< 0.00001
W (diss) [mg/L]	0.00119	0.00073	0.00067	0.00069	< 0.0002
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

Reissued to include QC Report

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



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

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: EWL0341-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8054-MAY24													
Sulphate	2	mg/L	<2			ND	20	107	80	120	107	75	125
Conductivity - QCBatchID: EWL0341-MAY24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0031-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	112	80	120	126	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0155-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	90	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	111	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			9	20	106	90	110	96	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	100	90	110	95	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	104	90	110	99	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	96	70	130
Boron (dissolved)	0.002	mg/L	<0.002			0	20	98	90	110	100	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	100	90	110	98	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	100	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	107	90	110	91	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	99	90	110	90	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	95	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	100	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	107	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	97	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	105	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	98	90	110	101	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			3	20	103	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	100	90	110	93	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			0	20	101	90	110	112	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	98	90	110	85	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	98	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	104	90	110	98	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			5	20	101	90	110	94	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	99	90	110	96	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	99	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			0	20	103	90	110	103	70	130
pH - QCBatchID: EWL0341-MAY24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 13 May 2024

LR Report: CA19160-MAY24

Reference: Meliadine - PO#1380289

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-001219 ARDG-001220 -TIR01C-1003 5MS72-Kwa-s	6: ARDG-001220 -TIR01C-1003 5MS72-Kwa-s	7: ARDG-001221 -TIR01C-1003 5MS72-Mv
Sample Date & Time					01-May-24	01-May-24	01-May-24
Sample weight [g]	23-May-24	06:08	24-May-24	10:12	250	251	250
Volume D.I. Water [mL]	23-May-24	07:39	24-May-24	10:12	750	750	750
pH [no unit]	24-May-24	07:17	24-May-24	10:12	9.15	9.26	8.89
pH [No unit]	24-May-24	15:44	28-May-24	11:40	8.32	9.23	8.25
Conductivity [uS/cm]	24-May-24	15:44	27-May-24	11:15	198	198	183
Alkalinity [mg/L as CaCO3]	24-May-24	15:44	27-May-24	11:15	53	68	59
SO4 [mg/L]	30-May-24	14:57	30-May-24	20:08	15	5	12
Hg (diss) [mg/L]	28-May-24	19:31	29-May-24	14:54	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.719	0.504	0.513
As (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.0435	0.0521	0.0087
Ba (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.00299	0.00369	0.00888
B (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.013	0.054	0.010
Be (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	8.42	5.65	10.8
Cd (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	< 0.000003	< 0.000003	0.000003
Co (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.000046	0.000068	0.000032
Cr (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	< 0.00008	0.00039	< 0.00008
Cu (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.007	0.055	< 0.007
K (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	17.0	15.9	9.34
Li (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.0010	0.0010	0.0015
Mg (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	2.57	1.58	4.12
Mn (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.00109	0.00042	0.00231
Mo (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.0096	0.0045	0.0027
Na (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	14.6	21.5	12.7
Ni (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.0002	0.0004	0.0005

Online LIMS

0003749714

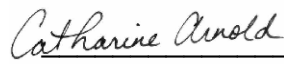
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001219 -TIR01C-1003 5MS72-Kwa-s	6: ARDG-001220 -TIR01C-1003 5MS72-Kwa-s	7: ARDG-001221 -TIR01C-1003 5MS72-Mv
Pb (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.00012	< 0.00009	< 0.00009
Sb (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.0064	0.0077	< 0.0009
Se (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.00059	0.00022	0.00030
Si (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	1.61	1.67	1.05
Sn (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.0425	0.0241	0.0443
Ti (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.0002	0.0016	< 0.0001
Tl (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.000008	< 0.000005	0.000007
U (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.000187	0.000175	0.000017
V (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.00171	0.00216	0.00071
W (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	0.00256	0.00188	0.00055
Y (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	< 0.00002	0.00005	< 0.00002
Zn (diss) [mg/L]	28-May-24	15:16	29-May-24	14:54	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001222 -TIR01C-1003 5MS72-Mv	9: ARDG-001223 -TIR01C-1003 5MS72-Mv	10: ARDG-001224 -TIR01C-1003 5MS72-Mv	11: ARDG-001225 -TIR01C-1003 5MS72-Mv	12: ARDG-001225 -TIR01C-1003 5MS72-Mv
Sample Date & Time	01-May-24	01-May-24	01-May-24	01-May-24	
Sample weight [g]	250	250	249	250	249
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	8.84	8.92	8.74	8.79	8.76
pH [No unit]	8.19	8.27	8.13	8.16	8.24
Conductivity [uS/cm]	188	184	242	215	225
Alkalinity [mg/L as CaCO3]	62	64	65	86	74
SO4 [mg/L]	13	13	30	18	19
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]	0.489	0.601	0.451	0.528	0.518
As (diss) [mg/L]	0.0104	0.0150	0.0023	0.0228	0.0217
Ba (diss) [mg/L]	0.00873	0.00067	0.00709	0.00653	0.00656
B (diss) [mg/L]	0.010	0.013	0.014	0.014	0.015
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]	11.3	9.83	14.0	11.9	12.7
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000034	0.000020	0.000021	0.000047	0.000041
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	0.010
K (diss) [mg/L]	9.96	3.70	9.50	9.81	10.2
Li (diss) [mg/L]	0.0013	0.0013	0.0014	0.0022	0.0025
Mg (diss) [mg/L]	4.42	3.32	5.51	4.86	5.42

Analysis	8:	9:	10:	11:	12:
	ARDG-001222	ARDG-001223	ARDG-001224	ARDG-001225	ARDG-001225
	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003	-TIR01C-1003
	5MS72-Mv	5MS72-Mv	5MS72-Mv	5MS72-Mv	5MS72-Mv
Mn (diss) [mg/L]	0.00246	0.00192	0.00360	0.00401	0.00442
Mo (diss) [mg/L]	0.0026	0.0021	0.0037	0.0051	0.0051
Na (diss) [mg/L]	12.9	19.0	19.0	17.6	18.1
Ni (diss) [mg/L]	0.0003	0.0001	0.0001	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00011
Sb (diss) [mg/L]	< 0.0009	0.0024	0.0032	0.0076	0.0073
Se (diss) [mg/L]	0.00031	0.00045	0.00058	0.00043	0.00041
Si (diss) [mg/L]	1.11	1.03	1.10	1.08	1.14
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0454	0.0145	0.0533	0.0321	0.0339
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000010	< 0.000005	0.000012	0.000007	0.000006
U (diss) [mg/L]	0.000018	0.000005	0.000031	0.000046	0.000041
V (diss) [mg/L]	0.00074	0.00082	0.00055	0.00080	0.00075
W (diss) [mg/L]	0.00057	0.00068	0.00096	0.00161	0.00161
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

Revised report with QC Report added.



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

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: EWL0592-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5010-MAY24													
Sulphate	2	mg/L	<2			12	20	108	80	120	107	75	125
Conductivity - QCBatchID: EWL0592-MAY24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0054-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	109	80	120	107	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0266-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	103	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			4	20	100	90	110	106	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	99	90	110	91	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	94	90	110	93	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	95	90	110	92	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			0	20	98	90	110	95	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	101	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	96	90	110	99	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	100	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			2	20	98	90	110	96	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	93	90	110	91	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007			1	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	97	90	110	94	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			1	20	98	90	110	101	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	102	90	110	98	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	99	90	110	98	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			0	20	100	90	110	98	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			0	20	98	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	99	90	110	98	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			12	20	98	90	110	105	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	83	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	92	90	110	90	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	100	90	110	98	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			6	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			2	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	98	90	110	94	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	97	90	110	96	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	100	70	130
pH - QCBatchID: EWL0592-MAY24													
pH	0.05	No unit	NA			0		101			NA		
pH - QCBatchID: EWL0622-MAY24													
pH	0.05	No unit	NA			0		101			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

14-June-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. : 09 May 2024

LR Report: CA19128-MAY24

Reference: Meliadine - PO#1380289

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-001212-TI R01D-10040MS 5-Kwa-s	6: ARDG-001213-TI R01D-10040MS 5-Kwa-s	7: ARDG-001214-T R01D-10040MS 05-Mv	8: ARDG-001215-T R01D-10040MS 05-Mv	9: ARDG-001216-TI R01D-10040MS 5-Kwa-s
Sample Date & Time					30-Apr-24	30-Apr-24	30-Apr-24	30-Apr-24	01-May-24
Ag [µg/g]	30-May-24	11:57	31-May-24	07:37	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-May-24	11:57	31-May-24	07:37	68000	84000	74000	76000	58000
As [µg/g]	30-May-24	11:57	31-May-24	07:37	42	63	4.8	20	150
Ba [µg/g]	30-May-24	11:57	31-May-24	07:37	510	840	81	76	840
Be [µg/g]	30-May-24	11:57	31-May-24	07:37	1.1	1.4	0.39	0.38	1.3
Bi [µg/g]	30-May-24	11:57	31-May-24	07:37	0.19	0.17	< 0.09	< 0.09	0.25
Ca [µg/g]	30-May-24	11:57	31-May-24	07:37	13000	8500	92000	87000	8600
Cd [µg/g]	30-May-24	11:57	31-May-24	07:37	0.13	0.09	0.10	0.10	0.11
Co [µg/g]	30-May-24	11:57	31-May-24	07:37	21	24	42	41	21
Cr [µg/g]	30-May-24	11:57	31-May-24	07:37	57	65	91	100	85
Cu [µg/g]	30-May-24	11:57	31-May-24	07:37	35	43	110	98	55
Fe [µg/g]	30-May-24	11:57	31-May-24	07:37	45000	46000	67000	67000	35000
K [µg/g]	30-May-24	11:57	31-May-24	07:37	14000	23000	3400	3500	19000
Li [µg/g]	30-May-24	11:57	31-May-24	07:37	41	50	72	72	38
Mg [µg/g]	30-May-24	11:57	31-May-24	07:37	14000	17000	23000	23000	14000
Mn [µg/g]	30-May-24	11:57	31-May-24	07:37	430	290	1800	1700	300
Mo [µg/g]	30-May-24	11:57	31-May-24	07:37	1.1	1.7	0.3	0.2	1.6
Ni [µg/g]	30-May-24	11:57	31-May-24	07:37	68	87	120	120	70
P [µg/g]	30-May-24	11:57	12-Jun-24	11:53	480	470	230	230	410
Pb [µg/g]	30-May-24	11:57	31-May-24	07:37	9	19	3	3	21
Sb [µg/g]	30-May-24	11:57	31-May-24	07:37	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	30-May-24	11:57	31-May-24	07:37	0.2	0.3	0.3	0.3	0.2
Sn [µg/g]	30-May-24	11:57	31-May-24	07:37	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	30-May-24	11:57	31-May-24	07:37	280	250	170	170	280
Ti [µg/g]	30-May-24	11:57	31-May-24	07:37	2600	1800	440	460	1100
Tl [µg/g]	30-May-24	11:57	31-May-24	07:37	0.35	0.56	0.12	0.12	0.51
U [µg/g]	30-May-24	11:57	31-May-24	07:37	1.13	1.79	0.085	0.098	1.64
V [µg/g]	30-May-24	11:57	31-May-24	07:37	91	120	210	210	91
Y [µg/g]	30-May-24	11:57	31-May-24	07:37	4.5	6.2	11	11	4.3
Zn [µg/g]	30-May-24	11:57	31-May-24	07:37	80	99	89	91	86

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

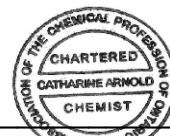
LR Report : CA19128-MAY24

Analysis	10: ARDG-001217-T IR01D-10040MS 05-Mv	11: ARDG-001218-T IR01D-10040MS 05-Mv
Sample Date & Time	01-May-24	01-May-24
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	75000	73000
As [µg/g]	9.5	6.4
Ba [µg/g]	110	120
Be [µg/g]	0.36	0.43
Bi [µg/g]	< 0.09	< 0.09
Ca [µg/g]	91000	86000
Cd [µg/g]	0.10	0.13
Co [µg/g]	45	41
Cr [µg/g]	110	130
Cu [µg/g]	79	87
Fe [µg/g]	63000	61000
K [µg/g]	3300	3800
Li [µg/g]	78	74
Mg [µg/g]	22000	20000
Mn [µg/g]	1900	1800
Mo [µg/g]	0.3	0.3
Ni [µg/g]	120	110
P [µg/g]	230	300
Pb [µg/g]	4	3
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	0.4	0.4
Sn [µg/g]	< 6	< 6
Sr [µg/g]	140	160
Ti [µg/g]	400	460
Tl [µg/g]	0.14	0.15
U [µg/g]	0.099	0.14
V [µg/g]	210	210
Y [µg/g]	13	11
Zn [µg/g]	93	85

Bulk Metals Suite

Revised report with P and QC Report added.

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



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: EMS0289-MAY24													
Calcium	3	µg/g	<3			1		94			72		
Phosphorus	3	µg/g	<3			3		95			85		
Potassium	3	µg/g	<3			0		104			92		
Metals - Microwave/ICP-MS - QCBatchID: EMS0289-MAY24													
Aluminum	3	µg/g	<3			1	20	102	70	130	86	70	130
Antimony	0.8	µg/g	<0.8			ND	20	99	70	130	106	70	130
Arsenic	0.5	µg/g	<0.5			9	20	105	70	130	93	70	130
Barium	0.01	µg/g	<0.01			1	20	100	70	130	108	70	130
Beryllium	0.02	µg/g	<0.02			2	20	98	70	130	86	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			7	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	109	70	130	92	70	130
Cobalt	0.01	µg/g	<0.01			5	20	105	70	130	95	70	130
Copper	0.1	µg/g	<0.1			6	20	102	70	130	104	70	130
Iron	3	µg/g	<3			0	20	100	70	130	95	70	130
Lead	0.05	µg/g	<0.05			0	20	102	70	130	104	70	130
Lithium	2	µg/g	<2			1	20	100	70	130	109	70	130
Magnesium	3	µg/g	<3			1	20	107	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			0	20	104	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	103	70	130	98	70	130
Nickel	0.1	µg/g	<0.1			1	20	108	70	130	114	70	130
Selenium	0.1	µg/g	<0.1			13	20	103	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	102	70	130	97	70	130
Thallium	0.02	µg/g	<0.02			9	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	98	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			4	20	97	70	130	80	70	130
Uranium	0.002	µg/g	<0.002			6	20	102	70	130	123	70	130
Vanadium	1	µg/g	<1			0	20	106	70	130	104	70	130
Yttrium	0.004	µg/g	<0.004			1	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	108	70	130	103	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

14-June-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. : 13 May 2024

LR Report: CA19159-MAY24

Reference: Meliadine - PO#1380289

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-001219-TI R01C-10035MS7 2-Kwa-s	6: ARDG-001220-TI R01C-10035MS7 2-Kwa-s	7: ARDG-001221-T R01C-10035MS 72-Mv	8: ARDG-001222-T R01C-10035MS 72-Mv	9: ARDG-001223-T R01C-10035MS 72-Mv
Sample Date & Time					01-May-24	01-May-24	01-May-24	01-May-24	01-May-24
Ag [µg/g]	30-May-24	11:57	31-May-24	07:37	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-May-24	11:57	31-May-24	07:37	59000	66000	76000	74000	76000
As [µg/g]	30-May-24	11:57	31-May-24	07:37	81	39	52	53	99
Ba [µg/g]	30-May-24	11:57	31-May-24	07:37	870	730	390	400	100
Be [µg/g]	30-May-24	11:57	31-May-24	07:37	1.3	1.3	0.59	0.59	0.46
Bi [µg/g]	30-May-24	11:57	31-May-24	07:37	0.23	0.19	< 0.09	< 0.09	< 0.09
Ca [µg/g]	30-May-24	11:57	31-May-24	07:37	9200	10000	88000	89000	87000
Cd [µg/g]	30-May-24	11:57	31-May-24	07:37	0.10	0.06	0.13	0.15	0.20
Co [µg/g]	30-May-24	11:57	31-May-24	07:37	19	24	46	43	45
[µg/g]	30-May-24	11:57	31-May-24	07:37	64	66	93	99	110
[µg/g]	30-May-24	11:57	31-May-24	07:37	51	51	85	100	96
Fe [µg/g]	30-May-24	11:57	31-May-24	07:37	34000	51000	66000	65000	72000
K [µg/g]	30-May-24	11:57	31-May-24	07:37	18000	19000	10000	10000	4900
Li [µg/g]	30-May-24	11:57	31-May-24	07:37	32	42	64	62	89
Mg [µg/g]	30-May-24	11:57	31-May-24	07:37	12000	15000	24000	23000	25000
Mn [µg/g]	30-May-24	11:57	31-May-24	07:37	300	310	1800	1800	1700
Mo [µg/g]	30-May-24	11:57	31-May-24	07:37	1.8	1.3	0.6	0.6	0.5
Ni [µg/g]	30-May-24	11:57	31-May-24	07:37	66	77	120	120	120
P [µg/g]	30-May-24	11:57	12-Jun-24	11:54	420	480	260	280	230
Pb [µg/g]	30-May-24	11:57	31-May-24	07:37	38	11	9	8	5
Sb [µg/g]	30-May-24	11:57	31-May-24	07:37	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	30-May-24	11:57	31-May-24	07:37	0.3	0.3	0.5	0.4	0.4
Sn [µg/g]	30-May-24	11:57	31-May-24	07:37	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	30-May-24	11:57	31-May-24	07:37	300	270	220	220	130
Ti [µg/g]	30-May-24	11:57	31-May-24	07:37	2500	3300	2300	2500	1600
Tl [µg/g]	30-May-24	11:57	31-May-24	07:37	0.49	0.46	0.41	0.39	0.25
U [µg/g]	30-May-24	11:57	31-May-24	07:37	1.46	1.60	0.24	0.23	0.11
V [µg/g]	30-May-24	11:57	31-May-24	07:37	79	100	220	210	220
Y [µg/g]	30-May-24	11:57	31-May-24	07:37	4.8	4.9	11	9.8	11
Zn [µg/g]	30-May-24	11:57	31-May-24	07:37	80	76	85	83	120

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

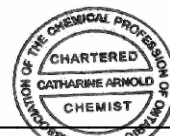
LR Report : CA19159-MAY24

Analysis	10: ARDG-001224-T IR01C-10035MS 72-Mv	11: ARDG-001225-T IR01C-10035MS 72-Mv
Sample Date & Time	01-May-24	01-May-24
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	74000	74000
As [µg/g]	50	320
Ba [µg/g]	1400	970
Be [µg/g]	0.98	0.90
Bi [µg/g]	< 0.09	< 0.09
Ca [µg/g]	85000	81000
Cd [µg/g]	0.21	0.17
Co [µg/g]	43	48
[µg/g]	94	95
[µg/g]	100	130
Fe [µg/g]	66000	69000
K [µg/g]	9200	12000
Li [µg/g]	62	50
Mg [µg/g]	22000	18000
Mn [µg/g]	1700	2000
Mo [µg/g]	0.8	0.6
Ni [µg/g]	120	120
P [µg/g]	370	590
Pb [µg/g]	20	18
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	0.5	0.5
Sn [µg/g]	< 6	< 6
Sr [µg/g]	300	260
Ti [µg/g]	2800	4000
Tl [µg/g]	0.57	0.65
U [µg/g]	0.24	0.53
V [µg/g]	210	230
Y [µg/g]	11	10
Zn [µg/g]	110	130

Bulk Metals Suite

Revised report with P and QC Report added.

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



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: EMS0289-MAY24													
Calcium	3	µg/g	<3			1		94			72		
Phosphorus	3	µg/g	<3			3		95			85		
Potassium	3	µg/g	<3			0		104			92		
Metals - Microwave/ICP-MS - QCBatchID: EMS0289-MAY24													
Aluminum	3	µg/g	<3			1	20	102	70	130	86	70	130
Antimony	0.8	µg/g	<0.8			ND	20	99	70	130	106	70	130
Arsenic	0.5	µg/g	<0.5			9	20	105	70	130	93	70	130
Barium	0.01	µg/g	<0.01			1	20	100	70	130	108	70	130
Beryllium	0.02	µg/g	<0.02			2	20	98	70	130	86	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			7	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	109	70	130	92	70	130
Cobalt	0.01	µg/g	<0.01			5	20	105	70	130	95	70	130
Copper	0.1	µg/g	<0.1			6	20	102	70	130	104	70	130
Iron	3	µg/g	<3			0	20	100	70	130	95	70	130
Lead	0.05	µg/g	<0.05			0	20	102	70	130	104	70	130
Lithium	2	µg/g	<2			1	20	100	70	130	109	70	130
Magnesium	3	µg/g	<3			1	20	107	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			0	20	104	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	103	70	130	98	70	130
Nickel	0.1	µg/g	<0.1			1	20	108	70	130	114	70	130
Selenium	0.1	µg/g	<0.1			13	20	103	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	102	70	130	97	70	130
Thallium	0.02	µg/g	<0.02			9	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	98	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			4	20	97	70	130	80	70	130
Uranium	0.002	µg/g	<0.002			6	20	102	70	130	123	70	130
Vanadium	1	µg/g	<1			0	20	106	70	130	104	70	130
Yttrium	0.004	µg/g	<0.004			1	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	108	70	130	103	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 13 May 2024

LR Report: CA19164-MAY24

Reference: PO#1380289

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-001226 -TIR01D-1003 5MS21-Mv	6: ARDG-001227 -TIR01D-1003 5MS21-Kwa-s	7: ARDG-001228 -TIR01D-1003 5MS21-Ksc-w a
Sample Date & Time					05-May-24	06-May-24	06-May-24
Paste pH [no unit]	16-May-24	14:39	22-May-24	13:37	9.18	9.03	9.02
Fizz Rate [rating]	21-May-24	08:20	22-May-24	13:37	4	4	4
Sample weight [g]	16-May-24	13:02	22-May-24	13:37	2.00	2.03	1.99
HCl_add [mL]	22-May-24	09:25	22-May-24	13:37	120.00	40.00	40.00
HCl [Normality]	21-May-24	09:01	22-May-24	13:37	0.10	0.10	0.10
NaOH [Normality]	21-May-24	09:01	22-May-24	13:37	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	22-May-24	09:25	22-May-24	13:37	33.18	17.74	16.18
Final pH [no unit]	22-May-24	09:25	22-May-24	13:37	1.70	1.69	1.66
NP [t CaCO3/1000 t]	22-May-24	09:25	22-May-24	13:37	217	54.8	59.9
AP [t CaCO3/1000 t]	29-May-24	13:22	29-May-24	13:23	5.00	20.3	2.50
Net NP [t CaCO3/1000 t]	29-May-24	13:22	29-May-24	13:23	212	34.5	57.4
NP/AP [ratio]	29-May-24	13:22	29-May-24	13:23	43.4	2.70	24.0
S [%]	28-May-24	10:41	29-May-24	13:22	0.184	0.766	0.156
Acid Leachable SO4-S [%]	28-May-24	14:43	29-May-24	13:22	< 0.04	0.12	0.08
Sulphide [%]	28-May-24	14:38	29-May-24	13:22	0.16	0.65	0.08
C [%]	28-May-24	10:41	29-May-24	13:22	2.90	0.907	0.970
CO3 (HCl) as %CO3 [%]	29-May-24	12:37	29-May-24	13:22	14.3	4.31	4.60

Analysis	8: ARDG-001229 -TIR01D-1003 5MS21-Ksc-w a	9: ARDG-001230 -TIR01D-1003 5MS21-Ksc-w a	10: ARDG-001231 -TIR01D-1003 5MS21-Ksc-w a	11: ARDG-001232 -TIR01D-1003 5MS21-Ksc-w a	12: ARDG-001233 -TIR01D-1003 5MS21-Kwa-s
Sample Date & Time	06-May-24	06-May-24	06-May-24	06-May-24	06-May-24
Paste pH [no unit]	8.74	8.75	8.93	9.15	9.04
Fizz Rate [rating]	4	4	4	4	4
Sample weight [g]	2.00	2.00	2.02	2.04	1.99
HCl_add [mL]	50.00	55.60	50.10	40.00	40.00

Analysis	8:	9:	10:	11:	12:
	ARDG-001229	ARDG-001230	ARDG-001231	ARDG-001232	ARDG-001233
	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003
	5MS21-Ksc-w	5MS21-Ksc-w	5MS21-Ksc-w	5MS21-Ksc-w	5MS21-Kwa-s
	a	a	a	a	
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]	23.37	54.47	22.12	18.49	11.22
Final pH [no unit]	1.58	1.52	1.54	1.61	1.59
NP [t CaCO3/1000 t]	66.6	2.8	69.3	52.7	72.3
AP [t CaCO3/1000 t]	13.4	10.0	7.19	4.38	8.75
Net NP [t CaCO3/1000 t]	53.2	-7.20	62.1	48.3	63.6
NP/AP [ratio]	4.96	0.28	9.64	12.0	8.26
S [%]	0.512	0.406	0.213	0.289	0.387
Acid Leachable SO4-S [%]	0.08	0.09	< 0.04	0.15	0.11
Sulphide [%]	0.43	0.32	0.23	0.14	0.28
C [%]	1.01	1.14	1.04	0.840	0.827
CO3 (HCl) as %CO3 [%]	4.84	5.49	4.85	3.95	3.89

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*Net NP (Net Neutralization Potential) = NP-AP

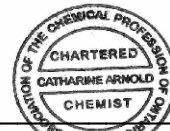
NP/AP Ratio = NP/AP

*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.

Revised report with QC Report added.

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



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: ECS0066-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	97	80	120			
Carbon/Sulphur - QCBatchID: ECS0083-MAY24													
Carbon (total)	0.005	%	<0.005			2	20				99	70 130	
Sulphur (total)	0.005	%	<0.005			11	20				102	70 130	
Carbon/Sulphur - QCBatchID: ECS0084-MAY24													
Sulphide	0.04	%	< 0.01			3	20	109	80	120			

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

14-June-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. : 13 May 2024

LR Report: CA19165-MAY24

Reference: Meliadine - PO#1380289

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-001226-TARDG-001227-TI ARDG-001228-T ARDG-001229-T ARDG-001230-T	6: ARDG-001226-TARDG-001227-TI ARDG-001228-T ARDG-001229-T ARDG-001230-T	7: ARDG-001226-TARDG-001227-TI ARDG-001228-T ARDG-001229-T ARDG-001230-T	8: ARDG-001226-TARDG-001227-TI ARDG-001228-T ARDG-001229-T ARDG-001230-T	9: ARDG-001226-TARDG-001227-TI ARDG-001228-T ARDG-001229-T ARDG-001230-T
					IR01D-10035MSR01D-10035MS2 21-Mv	IR01D-10035MS 1-Kwa-s	IR01D-10035MS 21-Ksc-wa	IR01D-10035MS 21-Ksc-wa	IR01D-10035MS 21-Ksc-wa
Sample Date & Time					05-May-24	06-May-24	06-May-24	06-May-24	06-May-24
Ag [µg/g]	30-May-24	11:57	31-May-24	07:36	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-May-24	11:57	31-May-24	07:36	72000	54000	49000	65000	68000
As [µg/g]	30-May-24	11:57	31-May-24	07:36	68	120	20	510	490
Ba [µg/g]	30-May-24	11:57	31-May-24	07:36	73	570	400	470	470
Be [µg/g]	30-May-24	11:57	31-May-24	07:36	0.32	1.1	0.96	1.4	1.3
Bi [µg/g]	30-May-24	11:57	31-May-24	07:36	< 0.09	0.32	< 0.09	0.20	0.18
Ca [µg/g]	30-May-24	11:57	31-May-24	07:36	82000	12000	20000	18000	21000
Cd [µg/g]	30-May-24	11:57	31-May-24	07:36	0.10	0.10	0.08	0.10	0.09
Co [µg/g]	30-May-24	11:57	31-May-24	07:36	41	18	9.5	18	26
Cr [µg/g]	30-May-24	11:57	31-May-24	07:36	110	74	28	66	62
Cu [µg/g]	30-May-24	11:57	31-May-24	07:36	99	46	26	38	39
Fe [µg/g]	30-May-24	11:57	31-May-24	07:36	68000	59000	76000	82000	81000
K [µg/g]	30-May-24	11:57	31-May-24	07:36	3400	17000	8500	14000	14000
Li [µg/g]	30-May-24	11:57	31-May-24	07:36	74	27	23	36	36
Mg [µg/g]	30-May-24	11:57	31-May-24	07:36	24000	12000	8000	15000	15000
Mn [µg/g]	30-May-24	11:57	31-May-24	07:36	1500	330	380	410	450
Mo [µg/g]	30-May-24	11:57	31-May-24	07:36	0.4	3.4	1.1	1.5	1.6
Ni [µg/g]	30-May-24	11:57	31-May-24	07:36	120	60	26	71	71
P [µg/g]	30-May-24	11:57	12-Jun-24	11:54	220	450	420	620	570
Pb [µg/g]	30-May-24	11:57	31-May-24	07:36	5	24	6	12	14
Sb [µg/g]	30-May-24	11:57	31-May-24	07:36	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	30-May-24	11:57	31-May-24	07:36	0.4	0.3	0.1	0.3	0.3
Sn [µg/g]	30-May-24	11:57	31-May-24	07:36	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	30-May-24	11:57	31-May-24	07:36	230	200	260	110	120
Ti [µg/g]	30-May-24	11:57	31-May-24	07:36	650	2300	2000	1900	1800
Tl [µg/g]	30-May-24	11:57	31-May-24	07:36	0.16	0.43	0.22	0.51	0.52
U [µg/g]	30-May-24	11:57	31-May-24	07:36	0.25	1.3	0.60	1.5	1.5
V [µg/g]	30-May-24	11:57	31-May-24	07:36	190	73	43	87	86
Y [µg/g]	30-May-24	11:57	31-May-24	07:36	6.8	4.7	3.1	6.7	7.3
Zn [µg/g]	30-May-24	11:57	31-May-24	07:36	92	68	63	91	79

SGS Canada Inc.

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Works #: Waste Rock OP TIR01

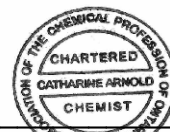
Project : PO#1380289

LR Report : CA19165-MAY24

Analysis	10: ARDG-001231-T IR01D-10035MS 21-Ksc-wa	11: ARDG-001232-T IR01D-10035MSR 21-Ksc-wa	12: ARDG-001233-T IR01D-10035MS2 1-Kwa-s
Sample Date & Time	06-May-24	06-May-24	06-May-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	50000	65000	61000
As [µg/g]	6.6	200	210
Ba [µg/g]	490	540	630
Be [µg/g]	0.97	1.3	1.2
Bi [µg/g]	0.15	0.22	0.23
Ca [µg/g]	22000	11000	11000
Cd [µg/g]	0.06	0.10	0.08
Co [µg/g]	7.4	25	20
Cr [µg/g]	27	84	65
Cu [µg/g]	20	55	47
Fe [µg/g]	140000	54000	53000
K [µg/g]	9600	23000	18000
Li [µg/g]	21	34	28
Mg [µg/g]	8700	15000	12000
Mn [µg/g]	350	290	310
Mo [µg/g]	1.2	1.8	2.6
Ni [µg/g]	18	89	62
P [µg/g]	600	460	440
Pb [µg/g]	5	8	18
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	270	110	200
Ti [µg/g]	1300	2700	2500
Tl [µg/g]	0.23	0.58	0.46
U [µg/g]	0.82	1.9	1.5
V [µg/g]	32	110	76
Y [µg/g]	5.5	5.2	5.2
Zn [µg/g]	48	92	68

4 Acid Digest - Trace Metals.
Revised report with P and QC Report added.

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



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: EMS0289-MAY24													
Calcium	3	µg/g	<3			1		94			72		
Phosphorus	3	µg/g	<3			3		95			85		
Potassium	3	µg/g	<3			0		104			92		
Metals - Microwave/ICP-MS - QCBatchID: EMS0289-MAY24													
Aluminum	3	µg/g	<3			1	20	102	70	130	86	70	130
Antimony	0.8	µg/g	<0.8			ND	20	99	70	130	106	70	130
Arsenic	0.5	µg/g	<0.5			9	20	105	70	130	93	70	130
Barium	0.01	µg/g	<0.01			1	20	100	70	130	108	70	130
Beryllium	0.02	µg/g	<0.02			2	20	98	70	130	86	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			7	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	109	70	130	92	70	130
Cobalt	0.01	µg/g	<0.01			5	20	105	70	130	95	70	130
Copper	0.1	µg/g	<0.1			6	20	102	70	130	104	70	130
Iron	3	µg/g	<3			0	20	100	70	130	95	70	130
Lead	0.05	µg/g	<0.05			0	20	102	70	130	104	70	130
Lithium	2	µg/g	<2			1	20	100	70	130	109	70	130
Magnesium	3	µg/g	<3			1	20	107	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			0	20	104	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	103	70	130	98	70	130
Nickel	0.1	µg/g	<0.1			1	20	108	70	130	114	70	130
Selenium	0.1	µg/g	<0.1			13	20	103	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	102	70	130	97	70	130
Thallium	0.02	µg/g	<0.02			9	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	98	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			4	20	97	70	130	80	70	130
Uranium	0.002	µg/g	<0.002			6	20	102	70	130	123	70	130
Vanadium	1	µg/g	<1			0	20	106	70	130	104	70	130
Yttrium	0.004	µg/g	<0.004			1	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	108	70	130	103	70	130



SGS Canada Inc.

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Meliadine

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

20-June-2024

Date Rec. : 13 May 2024
LR Report: CA19166-MAY24
Reference: Meliadine - PO#1380289

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-001226 -TIR01D-1003 5MS21-Mv	6: ARDG-001227 -TIR01D-1003 5MS21-Kwa-s	7: ARDG-001228 -TIR01D-1003 5MS21-Ksc-w a	8: ARDG-001229 -TIR01D-1003 5MS21-Ksc-w a	9: ARDG-001230 -TIR01D-1003 5MS21-Ksc-w a	10: ARDG-001231 -TIR01D-1003 5MS21-Ksc-w a
Sample Date & Time					05-May-24	06-May-24	06-May-24	06-May-24	06-May-24	06-May-24
Sample weight [g]	23-May-24	06:08	24-May-24	10:12	250	250	250	250	250	250
Volume D.I. Water [mL]	23-May-24	07:39	24-May-24	10:12	750	750	750	750	750	750
pH [no unit]	24-May-24	07:17	24-May-24	10:12	9.03	8.86	8.88	8.80	8.76	8.91
pH [No unit]	24-May-24	15:44	27-May-24	11:15	8.00	8.24	8.14	8.04	8.12	8.10
Conductivity [uS/cm]	24-May-24	15:44	27-May-24	11:15	162	236	207	286	295	247
Alkalinity [mg/L as CaCO3]	24-May-24	15:44	27-May-24	11:15	48	53	55	57	60	52
SO4 [mg/L]	30-May-24	14:49	31-May-24	13:04	8	35	13	26	27	37
Hg (diss) [mg/L]	28-May-24	19:31	29-May-24	14:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.740	0.436	0.417	0.328	0.471	0.433
As (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.0057	0.0283	0.0039	0.0109	0.0094	0.0018
Ba (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.00133	0.00311	0.00357	0.00398	0.00395	0.00788
B (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.027	0.017	0.018	0.035	0.036	0.018
Be (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001



SGS Canada Inc.

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19166-MAY24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001226 -TIR01D-1003 5MS21-Mv	6: ARDG-001227 -TIR01D-1003 5MS21-Kwa-s	7: ARDG-001228 -TIR01D-1003 5MS21-Ksc-w	8: ARDG-001229 -TIR01D-1003 5MS21-Ksc-w	9: ARDG-001230 -TIR01D-1003 5MS21-Ksc-w	10: ARDG-001231 -TIR01D-1003 5MS21-Ksc-w
							a	a	a	a
Ca (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	8.36	12.8	11.4	13.6	13.9	13.5
Cd (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003	0.000003
Co (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.000030	0.000048	0.000029	0.000010	0.000018	0.000015
Cr (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	4.17	16.7	9.24	12.5	12.5	12.5
Li (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.0009	0.0010	0.0010	0.0008	0.0011	0.0012
Mg (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	1.69	3.77	2.93	3.89	3.76	4.17
Mn (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.00123	0.00189	0.00156	0.00125	0.00180	0.00222
Mo (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.0027	0.0086	0.0126	0.0060	0.0062	0.0060
Na (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	18.1	15.3	18.5	27.9	28.3	19.8
Ni (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.0009	0.0009	0.0005	0.0001	0.0001	0.0003
Pb (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.0024	0.0031	0.0012	0.0013	0.0013	< 0.0009
Se (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.00015	0.00037	0.00015	0.00027	0.00028	0.00038
Si (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.95	1.34	1.20	0.96	0.97	1.48
Sn (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.0329	0.0493	0.0839	0.0496	0.0505	0.128
Ti (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.0001	0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.000005	0.000006	0.000005	0.000011	0.000009	0.000006
U (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.000008	0.000171	0.000061	0.000068	0.000100	0.000159
V (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.00116	0.00049	0.00024	0.00019	0.00021	0.00018
W (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	0.00037	0.00175	0.00107	0.00089	0.00085	0.00190
Y (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	28-May-24	15:16	29-May-24	14:53	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: ARDG-001232 -TIR01D-1003 5MS21-Ksc-w a	12: ARDG-001233 -TIR01D-1003 5MS21-Kwa-s	13: ARDG-001233 -TIR01D-1003 5MS21-Kwa-s
Sample Date & Time	06-May-24	06-May-24	06-May-24
Sample weight [g]	250	250	250
Volume D.I. Water [mL]	750	750	750
pH [no unit]	9.03	8.93	8.92
pH [No unit]	8.19	8.14	8.11
Conductivity [uS/cm]	242	259	255
Alkalinity [mg/L as CaCO3]	60	55	54
SO4 [mg/L]	14	46	42
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.628	0.657	0.568
As (diss) [mg/L]	0.0366	0.0297	0.0305
Ba (diss) [mg/L]	0.00256	0.00471	0.00330
B (diss) [mg/L]	0.021	0.017	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]	9.13	13.6	13.1
Cd (diss) [mg/L]	0.000004	0.000006	< 0.000003
Co (diss) [mg/L]	0.000038	0.000116	0.000033
Cr (diss) [mg/L]	< 0.00008	0.00022	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.007	0.139	< 0.007
K (diss) [mg/L]	20.1	18.6	18.4
Li (diss) [mg/L]	0.0006	0.0012	0.0011
Mg (diss) [mg/L]	2.90	4.48	4.39
Mn (diss) [mg/L]	0.00099	0.00290	0.00170
Mo (diss) [mg/L]	0.0096	0.0097	0.0097
Na (diss) [mg/L]	20.8	17.3	16.4

Analysis	11: ARDG-001232 -TIR01D-1003 5MS21-Ksc-w a	12: ARDG-001233 -TIR01D-1003 5MS21-Kwa-s	13: ARDG-001233 -TIR01D-1003 5MS21-Kwa-s
Ni (diss) [mg/L]	0.0005	0.0006	0.0003
Pb (diss) [mg/L]	< 0.00009	0.00037	< 0.00009
Sb (diss) [mg/L]	0.0028	0.0035	0.0036
Se (diss) [mg/L]	0.00027	0.00050	0.00045
Si (diss) [mg/L]	1.34	1.45	1.33
Sn (diss) [mg/L]	0.00009	0.00007	< 0.00006
Sr (diss) [mg/L]	0.0260	0.0571	0.0524
Ti (diss) [mg/L]	0.0002	0.0037	0.0002
Tl (diss) [mg/L]	0.000009	0.000012	0.000011
U (diss) [mg/L]	0.000092	0.000298	0.000285
V (diss) [mg/L]	0.00089	0.00073	0.00065
W (diss) [mg/L]	0.00200	0.00246	0.00248
Y (diss) [mg/L]	< 0.00002	0.00004	< 0.00002
Zn (diss) [mg/L]	< 0.002	0.004	< 0.002

Reissued to include QC Report

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



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

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: EWL0592-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5011-MAY24													
Sulphate	2	mg/L	<2			1	20	103	80	120	91	75	125
Anions by discrete analyzer - QCBatchID: DIO8087-MAY24													
Sulphate	2	mg/L	<2			ND	20	110	80	120	112	75	125
Conductivity - QCBatchID: EWL0592-MAY24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0054-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	109	80	120	107	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0266-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	103	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			4	20	100	90	110	106	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	99	90	110	91	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	94	90	110	93	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	95	90	110	92	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			0	20	98	90	110	95	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	101	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	96	90	110	99	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	100	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			2	20	98	90	110	96	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	93	90	110	91	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007			1	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	97	90	110	94	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			1	20	98	90	110	101	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	102	90	110	98	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	99	90	110	98	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			0	20	100	90	110	98	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			0	20	98	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	99	90	110	98	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			12	20	98	90	110	105	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	83	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	99	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	92	90	110	90	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	100	90	110	98	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			6	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			2	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			3	20	98	90	110	94	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	97	90	110	96	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	100	70	130
pH - QCBatchID: EWL0592-MAY24													
pH	0.05	No unit	NA			0	No unit	101			NA		



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - K0L 2H0

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#1380289

12-June-2024

Date Rec. : 15 May 2024
LR Report: CA19233-MAY24
Reference: Meliadine - PO#1380289

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-001246-T IR01C-10035MS 73-Kwa-s	6: ARDG-001247-T IR01C-10035MS 73-Kwa-s	7: ARDG-001248-T IR01C-10035MS 73-Kwa-s	8: ARDG-001249-T IR01C-10035MS 73-Kwa-s
Sample Date & Time					11-May-24	11-May-24	11-May-24	11-May-24
Ag [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	58000	54000	67000	56000
As [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	30	25	220	62
Ba [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	610	610	660	540
Be [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	1.2	1.2	1.1	1.3
Bi [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.15	0.12	0.26	0.22
Ca [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	17000	14000	37000	13000
Cd [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.10	0.09	0.14	0.09
Co [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	22	19	19	23
Cr [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	110	120	71	160
Cu [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	200	210	250	220
Fe [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	35000	35000	82000	38000
K [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	17000	18000	16000	21000
Li [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	42	42	43	45
Mg [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	13000	13000	13000	15000
Mn [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	360	300	710	310

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001246-T IR01C-10035MS 73-Kwa-s	6: ARDG-001247-T IR01C-10035MS 73-Kwa-s	7: ARDG-001248-T IR01C-10035MS 73-Kwa-s	8: ARDG-001249-T IR01C-10035MS 73-Kwa-s
Mo [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	1.2	1.4	1.2	1.5
Ni [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	64	62	53	72
P [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	440	430	550	450
Pb [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	14	11	7	12
Sb [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.2	0.2	0.4	0.2
Sn [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	280	240	260	220
Ti [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	850	860	1900	920
Tl [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.41	0.41	0.34	0.46
U [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	1.2	1.1	1.3	1.7
V [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	85	86	72	100
Y [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	4.7	4.9	7.0	4.3
Zn [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	85	85	77	93

Bulk Metals Suite



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

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: EMS0043-JUN24													
Calcium	3	µg/g	<3			1		101			82		
Phosphorus	3	µg/g	<3			3		97			87		
Potassium	3	µg/g	<3			4		106			91		
Metals - Microwave/ICP-MS - QCBatchID: EMS0043-JUN24													
Aluminum	3	µg/g	<3			0	20	100	70	130	86	70	130
Antimony	0.8	µg/g	<0.8			ND	20	93	70	130	129	70	130
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	84	70	130
Barium	0.01	µg/g	<0.01			1	20	95	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			4	20	99	70	130	89	70	130
Bismuth	0.09	µg/g	<0.09			7	20	93	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			9	20	99	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			3	20	107	70	130	73	70	130
Cobalt	0.01	µg/g	<0.01			0	20	110	70	130	95	70	130
Copper	0.1	µg/g	<0.1			1	20	98	70	130	93	70	130
Iron	3	µg/g	<3			4	20	101	70	130	95	70	130
Lead	0.05	µg/g	<0.05			1	20	94	70	130	96	70	130
Lithium	2	µg/g	<2			4	20	97	70	130	98	70	130
Magnesium	3	µg/g	<3			2	20	99	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			1	20	101	70	130	91	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	92	70	130	89	70	130
Nickel	0.1	µg/g	<0.1			2	20	100	70	130	99	70	130
Selenium	0.1	µg/g	<0.1			8	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	99	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	100	70	130	92	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	94	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	95	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			3	20	100	70	130	94	70	130
Vanadium	1	µg/g	<1			2	20	98	70	130	90	70	130
Yttrium	0.004	µg/g	<0.004			0	20	95	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	100	70	130	91	70	130



SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

12-June-2024

Date Rec. : 15 May 2024
LR Report: CA19234-MAY24
Reference: Meliadine - PO#1380289

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-001246-T IR01C-10035MS 73-Kwa-s	6: ARDG-001247-T IR01C-10035MS 73-Kwa-s	7: ARDG-001248-T IR01C-10035MS 73-Kwa-s	8: ARDG-001249-T IR01C-10035MS 73-Kwa-s	9: ARDG-001249-T IR01C-10035MS 73-Kwa-s
Sample Date & Time					11-May-24	11-May-24	11-May-24	11-May-24	
Sample weight [g]	27-May-24	06:17	29-May-24	15:43	250	250	250	250	250
Volume D.I. Water [mL]	27-May-24	07:31	29-May-24	15:43	750	750	750	750	750
pH [no unit]	28-May-24	06:58	29-May-24	15:43	8.89	8.87	8.13	9.29	9.30
pH [No unit]	29-May-24	14:40	30-May-24	11:46	8.22	8.14	8.04	9.17	9.24
Conductivity [uS/cm]	29-May-24	14:40	30-May-24	11:46	273	247	562	192	195
Alkalinity [mg/L as CaCO3]	29-May-24	14:40	30-May-24	11:46	57	54	69	65	69
SO4 [mg/L]	31-May-24	09:12	31-May-24	13:13	26	24	91	8	7
Hg (diss) [mg/L]	29-May-24	17:44	30-May-24	10:22	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.554	0.595	0.102	0.575	0.591
As (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0253	0.0299	0.0050	0.0782	0.0801
Ba (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00327	0.00274	0.0146	0.00363	0.00388
B (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.019	0.018	0.019	0.077	0.084
Be (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000007
Bi (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	11.8	11.2	66.2	5.66	5.54
Cd (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.000010	< 0.000003	0.000008	< 0.000003	< 0.000003
Co (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.000080	0.000045	0.000264	0.000070	0.000089
Cr (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.00008	< 0.00008	< 0.00008	0.00049	0.00048

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001246-T IR01C-10035MS 73-Kwa-s	6: ARDG-001247-T IR01C-10035MS 73-Kwa-s	7: ARDG-001248-T IR01C-10035MS 73-Kwa-s	8: ARDG-001249-T IR01C-10035MS 73-Kwa-s	9: ARDG-001249-T IR01C-10035MS 73-Kwa-s
Cu (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.010	< 0.007	< 0.007	0.055	0.072
K (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	17.2	15.5	20.7	15.8	16.0
Li (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0018	0.0015	0.0030	0.0010	0.0010
Mg (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	3.47	3.08	12.3	1.44	1.41
Mn (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00216	0.00150	0.0341	0.00048	0.00067
Mo (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0198	0.0138	0.0114	0.0046	0.0042
Na (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	25.1	22.2	16.1	20.6	21.9
Ni (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0005	0.0004	0.0008	0.0003	0.0004
Pb (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00023	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0063	0.0064	0.0015	0.0069	0.0069
Se (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00013	0.00013	0.00026	0.00017	0.00017
Si (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	1.71	1.70	1.63	2.13	2.28
Sn (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0616	0.0577	0.550	0.0214	0.0211
Ti (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0002	0.0002	< 0.0001	0.0024	0.0033
Tl (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.000006	< 0.000005	0.000005	< 0.000005	0.000006
U (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.000199	0.000175	0.000201	0.000264	0.000303
V (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00138	0.00153	0.00006	0.00368	0.00376
W (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00152	0.00131	0.00101	0.00301	0.00303
Y (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.00002	< 0.00002	< 0.00002	0.00010	0.00011
Zn (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0681-MAY24													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5012-MAY24													
Sulphate	2	mg/L	<2			ND	20	109	80	120	111	75	125
Anions by discrete analyzer - QCBatchID: DIO5013-MAY24													
Sulphate	2	mg/L	<2			3	20	109	80	120	112	75	125
Conductivity - QCBatchID: EWL0681-MAY24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0060-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	120	80	120	117	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0287-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	102	90	110	104	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	100	90	110	103	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	105	90	110	104	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	100	90	110	101	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	98	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	100	90	110	74	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	102	90	110	118	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			ND	20	109	90	110	105	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	105	90	110	105	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	99	90	110	101	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	105	90	110	96	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	109	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	100	90	110	99	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	103	90	110	105	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	109	90	110	100	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	104	90	110	104	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	100	90	110	94	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	102	90	110	104	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			ND	20	108	90	110	98	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	101	90	110	113	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	102	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	97	90	110	93	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	106	90	110	93	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			ND	20	104	90	110	104	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	100	90	110	102	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			7	20	98	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	102	90	110	106	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	103	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	102	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			2	20	105	90	110	93	70	130
pH - QCBatchID: EWL0681-MAY24													
pH	0.05	No unit	NA			0		100			NA		



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#1380289

12-June-2024

Date Rec. : 15 May 2024
LR Report: CA19236-MAY24
Reference: Meliadine - PO#1380289

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-001239 - TIR01C-10035M S74-Mv	6: ARDG-001240 - TIR01C-10035M S74-Mv	7: ARDG-001241 - TIR01C-10035M S74-Mv	8: ARDG-001242 - TIR01C-10035M S74-Mv	9: ARDG-001243 - TIR01C-10035M S74-Kwa-s	10: ARDG-001244 - TIR01C-10035M S74-Kwa-s	11: ARDG-001245 - TIR01C-10035M S74-Kwa-s
Sample Date & Time					06-May-24	07-May-24	07-May-24	07-May-24	08-May-24	08-May-24	08-May-24
Ag [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	77000	74000	74000	73000	50000	58000	59000
As [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	6.8	70	53	27	180	49	37
Ba [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	26	100	80	77	690	490	620
Be [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.32	0.44	0.41	0.41	1.2	1.2	1.3
Bi [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	< 0.09	< 0.09	< 0.09	< 0.09	0.18	0.17	0.17
Ca [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	110000	110000	110000	98000	14000	15000	14000
Cd [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.08	0.11	0.09	0.11	0.07	0.07	0.06
Co [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	46	43	42	49	21	20	23
Cr [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	93	100	220	110	120	77	84
Cu [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	260	260	250	260	210	220	210
Fe [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	72000	69000	70000	80000	32000	52000	55000
K [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	2100	5700	4800	3600	18000	18000	22000
Li [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	75	66	66	87	33	40	47
Mg [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	25000	24000	24000	26000	11000	13000	16000
Mn [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	1700	1600	1700	1700	280	270	290
Mo [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.3	0.4	0.4	0.3	1.4	1.2	1.4
Ni [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	110	100	110	95	60	71	73
P [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	230	230	240	270	400	540	530



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#1380289
LR Report : CA19236-MAY24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001239 - TIR01C-10035M S74-Mv	6: ARDG-001240 - TIR01C-10035M S74-Mv	7: ARDG-001241 - TIR01C-10035M S74-Mv	8: ARDG-001242 - TIR01C-10035M S74-Mv	9: ARDG-001243 - TIR01C-10035M S74-Kwa-s	10: ARDG-001244 - TIR01C-10035M S74-Kwa-s	11: ARDG-001245 - TIR01C-10035M S74-Kwa-s
Pb [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	3	3	3	3	8	7	7
Sb [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.4	0.4	0.3	0.4	0.2	0.2	0.2
Sn [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	100	130	130	140	270	220	190
Ti [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	2000	1000	930	1600	1600	3300	3700
Tl [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.09	0.22	0.19	0.15	0.40	0.38	0.46
U [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	0.065	0.27	0.17	0.19	1.19	1.54	1.67
V [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	200	200	210	220	79	89	110
Y [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	15	10	10	10	4.0	5.0	4.7
Zn [µg/g]	06-Jun-24	11:47	07-Jun-24	09:08	92	88	92	97	74	78	81

Bulk Metals Suite

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

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: EMS0043-JUN24													
Calcium	3	µg/g	<3			1		101			82		
Phosphorus	3	µg/g	<3			3		97			87		
Potassium	3	µg/g	<3			4		106			91		
Metals - Microwave/ICP-MS - QCBatchID: EMS0043-JUN24													
Aluminum	3	µg/g	<3			0	20	100	70	130	86	70	130
Antimony	0.8	µg/g	<0.8			ND	20	93	70	130	129	70	130
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	84	70	130
Barium	0.01	µg/g	<0.01			1	20	95	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			4	20	99	70	130	89	70	130
Bismuth	0.09	µg/g	<0.09			7	20	93	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			9	20	99	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			3	20	107	70	130	73	70	130
Cobalt	0.01	µg/g	<0.01			0	20	110	70	130	95	70	130
Copper	0.1	µg/g	<0.1			1	20	98	70	130	93	70	130
Iron	3	µg/g	<3			4	20	101	70	130	95	70	130
Lead	0.05	µg/g	<0.05			1	20	94	70	130	96	70	130
Lithium	2	µg/g	<2			4	20	97	70	130	98	70	130
Magnesium	3	µg/g	<3			2	20	99	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			1	20	101	70	130	91	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	92	70	130	89	70	130
Nickel	0.1	µg/g	<0.1			2	20	100	70	130	99	70	130
Selenium	0.1	µg/g	<0.1			8	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	99	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	100	70	130	92	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	94	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	95	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			3	20	100	70	130	94	70	130
Vanadium	1	µg/g	<1			2	20	98	70	130	90	70	130
Yttrium	0.004	µg/g	<0.004			0	20	95	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	100	70	130	91	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

20-June-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. : 15 May 2024
 LR Report: CA19235-MAY24
 Reference: Meliadine - PO#1380289

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-001239 - TIR01C-10035M S74-Mv	6: ARDG-001240 - TIR01C-10035M S74-Mv	7: ARDG-001241 - TIR01C-10035M S74-Mv	8: ARDG-001242 - TIR01C-10035M S74-Mv
Sample Date & Time					06-May-24	07-May-24	07-May-24	07-May-24
Paste pH [no unit]	22-May-24	16:47	28-May-24	11:39	8.69	8.70	8.76	8.74
Fizz Rate [rating]	22-May-24	16:39	28-May-24	11:39	4	4	4	4
Sample weight [g]	21-May-24	17:17	28-May-24	11:39	2.00	2.03	2.00	2.02
HCl_add [mL]	23-May-24	14:52	28-May-24	11:39	128.30	154.90	139.40	126.10
HCl [Normality]	21-May-24	16:49	28-May-24	11:39	0.10	0.10	0.10	0.10
NaOH [Normality]	21-May-24	16:49	28-May-24	11:39	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	23-May-24	18:11	28-May-24	11:39	62.96	78.35	52.32	43.49
Final pH [no unit]	23-May-24	16:30	28-May-24	11:39	1.58	1.54	1.56	1.56
NP [t CaCO3/1000 t]	23-May-24	21:12	28-May-24	11:39	163	189	218	204
AP [t CaCO3/1000 t]	23-May-24	21:12	28-May-24	11:39	2.50	1.56	1.25	4.69
Net NP [t CaCO3/1000 t]	23-May-24	21:12	28-May-24	11:39	161	187	216	200
NP/AP [ratio]	23-May-24	21:12	28-May-24	11:39	65.4	121	174	43.6
S [%]	23-May-24	14:02	24-May-24	11:48	0.112	0.217	0.143	0.248
Acid Leachable SO4-S [%]	24-May-24	11:30	24-May-24	11:48	< 0.04	0.17	0.10	0.10
Sulphide [%]	24-May-24	11:21	24-May-24	11:48	0.08	0.05	0.04	0.15
C [%]	23-May-24	14:02	27-May-24	08:56	2.74	3.12	3.10	2.66
CO3 (HCl) as %CO3 [%]	27-May-24	08:06	27-May-24	08:56	13.4	15.2	15.1	13.0

Analysis	9: ARDG-001243 - TIR01C-10035M S74-Kwa-s	10: ARDG-001244 - TIR01C-10035M S74-Kwa-s	11: ARDG-001245 - TIR01C-10035M S74-Kwa-s
Sample Date & Time	08-May-24	08-May-24	08-May-24
Paste pH [no unit]	9.12	8.95	8.87
Fizz Rate [rating]	4	4	4
Sample weight [g]	2.00	2.02	2.03
HCl_add [mL]	40.00	40.00	40.00
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	23.68	25.93	28.81
Final pH [no unit]	1.37	1.33	1.28
NP [t CaCO3/1000 t]	40.8	34.8	27.6
AP [t CaCO3/1000 t]	2.81	6.88	2.81

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
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mel

Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19235-MAY24

Analysis	9: ARDG-001243 - TIR01C-10035M S74-Kwa-s	10: ARDG-001244 - TIR01C-10035M S74-Kwa-s	11: ARDG-001245 - TIR01C-10035M S74-Kwa-s
Net NP [t CaCO ₃ /1000 t]	38.0	27.9	24.8
NP/AP [ratio]	14.5	5.06	9.81
S [%]	0.203	0.337	0.212
Acid Leachable SO ₄ -S [%]	0.11	0.12	0.12
Sulphide [%]	0.09	0.22	0.09
C [%]	0.607	0.493	0.404
CO ₃ (HCl) as %CO ₃ [%]	2.56	2.02	1.54

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0053-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0071-MAY24													
Carbon (total)	0.005	%	<0.005			2	20				98	70	
Sulphur (total)	0.005	%	<0.005			14	20				105	70	
Carbon/Sulphur - QCBatchID: ECS0074-MAY24													
Sulphide	0.04	%	< 0.01			17	20	92	80	120			

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 15 May 2024

LR Report: CA19237-MAY24

Reference: Meliadine - PO#1380289

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-001239 - TIR01C-10035 MS74-Mv	6: ARDG-001240 - TIR01C-10035 MS74-Mv	7: ARDG-001241 - TIR01C-10035 MS74-Mv
Sample Date & Time					06-May-24	07-May-24	07-May-24
Sample weight [g]	27-May-24	06:17	29-May-24	15:44	250	249	249
Volume D.I. Water [mL]	27-May-24	07:31	29-May-24	15:44	750	750	750
pH [no unit]	28-May-24	06:58	29-May-24	15:44	8.94	8.87	8.83
pH [No unit]	28-May-24	14:32	29-May-24	11:56	8.06	8.18	8.13
Conductivity [uS/cm]	28-May-24	14:32	29-May-24	11:56	125	181	180
Alkalinity [mg/L as CaCO3]	28-May-24	14:32	29-May-24	11:56	42	55	55
SO4 [mg/L]	31-May-24	11:44	31-May-24	13:20	7	11	17
Hg (diss) [mg/L]	28-May-24	15:49	31-May-24	08:27	0.00002	< 0.00001	< 0.00001
Ag (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.756	0.561	0.561
As (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0008	0.0169	0.0146
Ba (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00050	0.00213	0.00302
B (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.010	0.013	0.016
Be (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	10.5	12.0	11.8
Cd (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.000003	< 0.000003	0.000005
Co (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.000019	0.000024	0.000031
Cr (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00012	< 0.00008	< 0.00008
Cu (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.017	< 0.007	< 0.007
K (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	1.41	4.91	4.58
Li (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0010	0.0010	0.0010
Mg (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	2.07	3.60	3.54
Mn (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00199	0.00254	0.00217
Mo (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0022	0.0029	0.0036
Na (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	10.2	15.4	16.1

Online LIMS

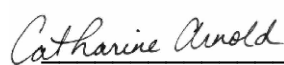
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Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001239 - TIR01C-10035 MS74-Mv	6: ARDG-001240 - TIR01C-10035 MS74-Mv	7: ARDG-001241 - TIR01C-10035 MS74-Mv
Ni (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0001	0.0002	0.0003
Pb (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00022	< 0.00009	0.00012
Sb (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.0009	< 0.0009	< 0.0009
Se (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00017	0.00025	0.00034
Si (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	1.04	1.08	1.13
Sn (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0193	0.0295	0.0275
Ti (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.0002	< 0.0001	0.0001
Tl (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.000005	0.000006	0.000005
U (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.000005	0.000039	0.000023
V (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00109	0.00080	0.00091
W (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	0.00069	0.00079	0.00089
Y (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	30-May-24	15:49	31-May-24	08:27	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001242 - TIR01C-10035 MS74-Mv	9: ARDG-001243 - TIR01C-10035 MS74-Kwa-s	10: ARDG-001244 - TIR01C-10035 MS74-Kwa-s	11: ARDG-001245 - TIR01C-10035 MS74-Kwa-s
Sample Date & Time	07-May-24	08-May-24	08-May-24	08-May-24
Sample weight [g]	250	249	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.98	9.34	9.27	9.32
pH [No unit]	8.16	9.22	9.22	9.28
Conductivity [uS/cm]	144	196	190	204
Alkalinity [mg/L as CaCO3]	46	65	59	62
SO4 [mg/L]	11	7	7	9
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	0.00009	0.00008
Al (diss) [mg/L]	0.786	0.594	0.567	0.547
As (diss) [mg/L]	0.0024	0.0865	0.0187	0.0746
Ba (diss) [mg/L]	0.00387	0.00407	0.00322	0.00330
B (diss) [mg/L]	0.013	0.070	0.059	0.075
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	5.02	6.19	5.53
Cd (diss) [mg/L]	0.000003	0.000004	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000008	0.000090	0.000039	0.000095
Cr (diss) [mg/L]	< 0.00008	0.00055	0.00039	0.00073
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.081	0.053	0.097

Analysis	8:	9:	10:	11:
	ARDG-001242	ARDG-001243	ARDG-001244	ARDG-001245
	-	-	-	-
	TIR01C-10035	TIR01C-10035	TIR01C-10035	TIR01C-10035
	MS74-Mv	MS74-Kwa-s	MS74-Kwa-s	MS74-Kwa-s
K (diss) [mg/L]	3.13	14.8	13.1	15.7
Li (diss) [mg/L]	0.0009	0.0012	0.0008	0.0008
Mg (diss) [mg/L]	2.04	1.31	1.16	0.893
Mn (diss) [mg/L]	0.00168	0.00092	0.00046	0.00068
Mo (diss) [mg/L]	0.0028	0.0092	0.0074	0.0057
Na (diss) [mg/L]	12.7	23.0	21.1	23.3
Ni (diss) [mg/L]	< 0.0001	0.0004	0.0003	0.0005
Pb (diss) [mg/L]	< 0.00009	0.00016	< 0.00009	< 0.00009
Sb (diss) [mg/L]	< 0.0009	0.0065	0.0067	0.0074
Se (diss) [mg/L]	0.00015	0.00025	0.00010	0.00021
Si (diss) [mg/L]	0.91	2.22	1.76	1.92
Sn (diss) [mg/L]	< 0.00006	< 0.00006	0.00027	< 0.00006
Sr (diss) [mg/L]	0.0279	0.0219	0.0245	0.0221
Ti (diss) [mg/L]	< 0.0001	0.0032	0.0021	0.0038
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000028
U (diss) [mg/L]	0.000006	0.000449	0.000190	0.000226
V (diss) [mg/L]	0.00080	0.00397	0.00213	0.00292
W (diss) [mg/L]	0.00967	0.00394	0.00172	0.00190
Y (diss) [mg/L]	< 0.00002	0.00008	0.00005	0.00006
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

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: EWL0649-MAY24													
Alkalinity	2	mg/L as Ca	< 2			1	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5014-MAY24													
Sulphate	2	mg/L	<2			6	20	109	80	120	101	75	125
Conductivity - QCBatchID: EWL0649-MAY24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0055-MAY24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	119	80	120	124	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0287-MAY24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	102	90	110	104	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	100	90	110	103	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	105	90	110	104	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	100	90	110	101	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	98	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	100	90	110	74	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	102	90	110	118	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			ND	20	109	90	110	105	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	105	90	110	105	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	99	90	110	101	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	105	90	110	96	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	109	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	100	90	110	99	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	103	90	110	105	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	109	90	110	100	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	104	90	110	104	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	100	90	110	94	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	102	90	110	104	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			ND	20	108	90	110	98	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	101	90	110	113	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	102	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	97	90	110	93	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	106	90	110	93	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			ND	20	104	90	110	104	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	100	90	110	102	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			7	20	98	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	102	90	110	106	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	103	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	102	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			2	20	105	90	110	93	70	130
pH - QCBatchID: EWL0649-MAY24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-June-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. : 15 May 2024
 LR Report: CA19232-MAY24
 Reference: Meliadine - PO#1380289

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-001246 -TIR01C-1003 5MS73-Kwa-s	6: ARDG-001247 -TIR01C-1003 5MS73-Kwa-s	7: ARDG-001248 -TIR01C-1003 5MS73-Kwa-s
Sample Date & Time					11-May-24	11-May-24	11-May-24
Paste pH [no unit]	22-May-24	16:47	28-May-24	11:39	8.96	8.90	8.13
Fizz Rate [rating]	22-May-24	16:39	28-May-24	11:39	4	4	4
Sample weight [g]	21-May-24	17:17	28-May-24	11:39	2.01	1.99	2.03
HCl_add [mL]	23-May-24	14:52	28-May-24	11:39	40.00	40.00	53.20
HCl [Normality]	21-May-24	16:49	28-May-24	11:39	0.10	0.10	0.10
NaOH [Normality]	21-May-24	16:49	28-May-24	11:39	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	23-May-24	18:11	28-May-24	11:39	22.18	25.02	24.53
Final pH [no unit]	23-May-24	16:30	28-May-24	11:39	1.40	1.35	1.65
NP [t CaCO3/1000 t]	23-May-24	21:12	28-May-24	11:39	44.3	37.6	70.6
AP [t CaCO3/1000 t]	30-May-24	16:19	30-May-24	16:20	4.06	3.75	33.4
Net NP [t CaCO3/1000 t]	30-May-24	16:19	30-May-24	16:20	40.2	33.8	37.2
NP/AP [ratio]	30-May-24	16:19	30-May-24	16:20	10.9	10.0	2.11
S [%]	30-May-24	10:06	30-May-24	16:19	0.234	0.200	1.88
Acid Leachable SO4-S [%]	30-May-24	15:17	30-May-24	16:19	0.10	0.08	0.81
Sulphide [%]	30-May-24	15:01	30-May-24	16:19	0.13	0.12	1.07
C [%]	30-May-24	10:06	30-May-24	16:19	0.704	0.611	1.36
CO3 (HCl) as %CO3 [%]	30-May-24	12:51	30-May-24	16:19	3.01	2.46	5.80

Analysis	8: ARDG-001249 -TIR01C-1003 5MS73-Kwa-s
Sample Date & Time	11-May-24
Paste pH [no unit]	9.04
Fizz Rate [rating]	4
Sample weight [g]	1.99
HCl_add [mL]	40.00

Analysis	8: ARDG-001249 -TIR01C-1003 5MS73-Kwa-s
HCl [Normality]	0.10
NaOH [Normality]	0.10
Vol NaOH to pH=8.3 [mL]	25.95
Final pH [no unit]	1.35
NP [t CaCO3/1000 t]	35.3
AP [t CaCO3/1000 t]	3.12
Net NP [t CaCO3/1000 t]	32.2
NP/AP [ratio]	11.3
S [%]	0.203
Acid Leachable SO4-S [%]	0.10
Sulphide [%]	0.10
C [%]	0.656
CO3 (HCl) as %CO3 [%]	2.40

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

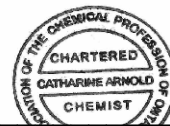
*Net NP (Net Neutralization Potential) = NP-AP

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

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: ECS0082-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0086-MAY24													
Carbon (total)	0.005	%	<0.005			2	20				99	70 13	
Sulphur (total)	0.005	%	<0.005			2	20				100	70 13	
Carbon/Sulphur - QCBatchID: ECS0087-MAY24													
Sulphide	0.04	%	< 0.01			12	20	112	80	120			

**SGS Canada Inc.**

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 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

05-July-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. : 10 June 2024

LR Report: CA19517-JUN24

Reference: PO#1380289

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-001234-T IR01C-10035MS 70-MV
Sample Date & Time					02-May-24
Paste pH [no unit]	13-Jun-24	10:41	14-Jun-24	11:32	8.87
Fizz Rate [rating]	12-Jun-24	13:05	14-Jun-24	11:32	4
Sample weight [g]	11-Jun-24	20:35	14-Jun-24	11:32	2.00
HCl_add [mL]	13-Jun-24	15:21	14-Jun-24	11:32	141.50
HCl [Normality]	12-Jun-24	15:31	14-Jun-24	11:32	0.10
NaOH [Normality]	12-Jun-24	15:31	14-Jun-24	11:32	0.10
Vol NaOH to pH=8.3 [mL]	13-Jun-24	16:00	14-Jun-24	11:32	48.71
Final pH [no unit]	13-Jun-24	15:38	14-Jun-24	11:32	1.63
NP [t CaCO3/1000 t]	13-Jun-24	20:51	14-Jun-24	11:32	232
AP [t CaCO3/1000 t]	24-Jun-24	12:17	24-Jun-24	12:17	3.44
Net NP [t CaCO3/1000 t]	24-Jun-24	12:17	24-Jun-24	12:17	229
NP/AP [ratio]	24-Jun-24	12:17	24-Jun-24	12:17	67.5
S [%]	21-Jun-24	06:01	24-Jun-24	12:17	0.148
Acid Leachable SO4-S [%]	24-Jun-24	12:17	24-Jun-24	12:17	< 0.04
Sulphide [%]	24-Jun-24	11:12	24-Jun-24	12:17	0.11
C [%]	21-Jun-24	06:01	21-Jun-24	15:00	3.01
CO3 (HCl) as %CO3 [%]	21-Jun-24	12:42	21-Jun-24	15:00	0.31

Analysis	6: ARDG-001235-T IR01C-10035MS 70-MV	7: ARDG-001236-T IR01C-10035MS 70-MV	8: ARDG-001237-T IR01C-10035MS 70-MV	9: ARDG-001238-T IR01C-10035MS 70-MV
Sample Date & Time	02-May-24	02-May-24	02-May-24	02-May-24
Paste pH [no unit]	8.74	8.92	8.99	8.84
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	1.99	2.01	2.02	2.01

Analysis	6: ARDG-001235-T IR01C-10035MS	7: ARDG-001236-T IR01C-10035MS	8: ARDG-001237-T IR01C-10035MS	9: ARDG-001238-T IR01C-10035MS
	70-MV	70-MV	70-MV	70-MV
HCl_add [mL]	165.80	126.20	141.50	90.70
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]	66.29	38.24	46.50	33.09
Final pH [no unit]	1.75	1.69	1.61	1.66
NP [t CaCO3/1000 t]	250	219	235	143
AP [t CaCO3/1000 t]	5.94	5.00	5.62	4.06
Net NP [t CaCO3/1000 t]	244	214	229	139
NP/AP [ratio]	42.1	43.8	41.8	35.3
S [%]	0.268	0.169	0.187	0.137
Acid Leachable SO4-S [%]	0.08	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.19	0.16	0.18	0.13
C [%]	4.37	2.77	3.01	1.88
CO3 (HCl) as %CO3 [%]	0.28	0.49	0.34	0.45

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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,
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Agnico Eagle Mines Limited

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Phone: (819) 759-3555

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

17-June-2024

Date Rec. : 10 June 2024
LR Report: CA19518-JUN24
Reference: PO#1380289

Copy: #1

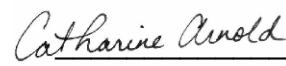
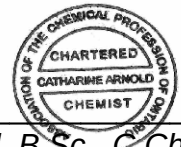
CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001234 -TIR01C-1003 5MS70-MV	6: ARDG-001235 -TIR01C-1003 5MS70-MV	7: ARDG-001236 -TIR01C-1003 5MS70-MV	8: ARDG-001237 -TIR01C-1003 5MS70-MV	9: ARDG-001238 -TIR01C-1003 5MS70-MV
Sample Date & Time					02-May-24	02-May-24	02-May-24	02-May-24	02-May-24
Ag [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	65000	61000	64000	65000	67000
As [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	5.0	22	30	36	7.9
Ba [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	1400	1700	740	860	2500
Be [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	0.91	0.79	0.63	0.94	0.70
Bi [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	0.10	0.22	< 0.09	< 0.09	< 0.09
Ca [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	81000	86000	81000	90000	69000
Cd [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	0.10	0.19	0.11	0.11	0.14
Co [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	43	44	47	49	49
Cr [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	110	110	99	110	110
Cu [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	110	95	120	120	110
Fe [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	71000	66000	76000	77000	85000
K [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	7000	8200	5500	5700	1200
Li [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	75	31	54	51	55
Mg [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	34000	33000	29000	33000	43000

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001234 -TIR01C-1003 5MS70-MV	6: ARDG-001235 -TIR01C-1003 5MS70-MV	7: ARDG-001236 -TIR01C-1003 5MS70-MV	8: ARDG-001237 -TIR01C-1003 5MS70-MV	9: ARDG-001238 -TIR01C-1003 5MS70-MV
Mn [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	1600	1700	1600	1700	1500
Mo [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	0.8	1.3	0.8	0.9	0.8
Ni [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	130	120	140	150	130
P [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	260	340	500	1300	390
Pb [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	18	17	10	9	30
Sb [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	< 0.8	< 0.8	< 0.8	< 0.8	1.2
Se [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	0.4	0.5	0.5	0.6	0.4
Sn [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	290	230	370	500	530
Ti [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	590	2000	3300	3300	4900
Tl [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	0.32	0.34	0.21	0.20	0.07
U [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	0.12	0.18	0.12	0.20	0.28
V [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	170	160	200	190	210
Y [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	9.2	7.2	11	16	16
Zn [µg/g]	14-Jun-24	11:57	17-Jun-24	08:46	82	79	85	88	89

Bulk Metals Suite



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

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: EMS0110-JUN24													
Calcium	3	µg/g	<3			3		96			83		
Phosphorus	3	µg/g	<3			5		96			90		
Potassium	3	µg/g	<3			2		99			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0110-JUN24													
Aluminum	3	µg/g	<3			2	20	94	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			ND	20	107	70	130	111	70	130
Arsenic	0.5	µg/g	<0.5			9	20	96	70	130	88	70	130
Barium	0.01	µg/g	<0.01			0	20	91	70	130	101	70	130
Beryllium	0.02	µg/g	<0.02			8	20	99	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			15	20	97	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			18	20	91	70	130	81	70	130
Cobalt	0.01	µg/g	<0.01			3	20	96	70	130	92	70	130
Copper	0.1	µg/g	<0.1			6	20	96	70	130	98	70	130
Iron	3	µg/g	<3			6	20	99	70	130	100	70	130
Lead	0.05	µg/g	<0.05			1	20	98	70	130	112	70	130
Lithium	2	µg/g	<2			13	20	100	70	130	113	70	130
Magnesium	3	µg/g	<3			2	20	106	70	130	103	70	130
Manganese	0.1	µg/g	<0.1			2	20	98	70	130	100	70	130
Molybdenum	0.1	µg/g	<0.1			3	20	96	70	130	99	70	130
Nickel	0.1	µg/g	<0.1			10	20	97	70	130	105	70	130
Selenium	0.1	µg/g	<0.1			ND	20	96	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	105	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	96	70	130	96	70	130
Thallium	0.02	µg/g	<0.02			6	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	100	70	130	92	70	130
Uranium	0.002	µg/g	<0.002			7	20	95	70	130	100	70	130
Vanadium	1	µg/g	<1			1	20	98	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			1	20	94	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	99	70	130	98	70	130



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Meliadine

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

05-July-2024

Date Rec. : 10 June 2024
LR Report: CA19519-JUN24
Reference: Meliadine - PO#1380289

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-001234-TARDG-001235-IR01C-10035MS 70-MV	6: TARDG-001236-TARDG-001237-IR01C-10035MS 70-MV	7: TARDG-001237-TARDG-001238-IR01C-10035MS 70-MV	8: TARDG-001238-TARDG-001239-IR01C-10035MS 70-MV	9: TARDG-001239-TARDG-001240-IR01C-10035MS 70-MV	10: TARDG-001240-TARDG-001241-IR01C-10035MS 70-MV	11:BLK: SD.I. Leachate Blank
Sample Date & Time					02-May-24	02-May-24	05-Jun-24	05-Jun-24	05-Jun-24		
Sample weight [g]	11-Jun-24	13:55	12-Jun-24	15:46	251	251	248	250	249	249	---
Volume D.I. Water [mL]	11-Jun-24	13:55	12-Jun-24	15:46	750	750	750	750	750	750	750
pH [no unit]	12-Jun-24	12:53	12-Jun-24	15:46	9.04	8.96	9.09	9.10	9.18	9.20	5.82
pH [No unit]	12-Jun-24	15:34	14-Jun-24	08:49	8.18	8.38	8.18	8.24	8.07	8.05	6.51
Conductivity [uS/cm]	12-Jun-24	15:34	14-Jun-24	08:49	198	259	136	142	119	118	3
Alkalinity [mg/L as CaCO3]	12-Jun-24	15:34	14-Jun-24	08:49	52	72	44	48	37	36	2
SO4 [mg/L]	17-Jun-24	10:57	17-Jun-24	19:08	8	26	5	6	4	3	< 2
Hg (diss) [mg/L]	13-Jun-24	14:57	14-Jun-24	09:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.00010	0.00011	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.414	0.427	0.538	0.492	0.498	0.505	< 0.001
As (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.0008	0.0038	0.0029	0.0041	0.0011	0.0011	< 0.0002
Ba (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.0362	0.0958	0.0270	0.0407	0.107	0.0949	0.00014
B (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.011	0.010	0.015	0.014	0.018	0.019	< 0.002
Be (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	10.5	12.9	10.3	9.85	9.50	9.38	0.03
Cd (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.000003	0.000003	< 0.000003	0.000006	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.000032	0.000031	0.000031	0.000044	0.000007	0.000040	0.000006
Cr (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.012	0.019	< 0.007	< 0.007	< 0.007	0.014	< 0.007
K (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	8.27	9.74	4.89	5.68	1.66	1.59	0.165

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001234-TARDG-001235- IR01C-10035MSIR01C-10035MS	6: TARDG-001235-TARDG-001236- IR01C-10035MSIR01C-10035MS	7: TARDG-001236-TARDG-001237- IR01C-10035MSIR01C-10035MS	8: TARDG-001237-TARDG-001238- IR01C-10035MSIR01C-10035MS	9: TARDG-001238-TARDG-001238-T IR01C-10035MSIR01C-10035MS	10: TARDG-001238-T IR01C-10035MS	11:BLK: SD.I. Leachate Blank
Li (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.0008	0.0010	0.0005	0.0006	0.0003	0.0003	< 0.0001
Mg (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	3.80	10.1	2.48	2.62	2.05	1.98	0.004
Mn (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.00170	0.00275	0.00141	0.00138	0.00068	0.00073	0.00027
Mo (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.0022	0.0048	0.0029	0.0201	0.0010	0.0018	< 0.0004
Na (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	17.3	16.6	11.0	11.1	10.4	10.1	0.02
Ni (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.0004	0.0004	0.0004	0.0006	0.0001	0.0007	0.0001
Pb (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00011	0.00013	< 0.00009
Sb (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.0009	0.0011	< 0.0009	< 0.0009	0.0021	0.0022	< 0.0009
Se (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.00011	0.00085	0.00006	0.00006	0.00005	0.00004	< 0.00004
Si (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.97	1.17	0.90	0.97	0.87	0.86	< 0.02
Sn (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.00006	< 0.00006	< 0.00006	0.00008	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.0817	0.0787	0.137	0.167	0.126	0.125	0.00011
Ti (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.000012	0.000011	< 0.000005	0.000005	0.000006	0.000008	< 0.000005
U (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.000005	0.000021	0.000007	0.000003	0.000025	0.000004	< 0.000002
V (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.00055	0.00064	0.00069	0.00086	0.00076	0.00081	0.00001
W (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	0.0008	0.0014	0.0027	0.0034	0.0022	0.0022	< 0.0002
Y (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	15-Jun-24	00:41	17-Jun-24	15:22	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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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#1380289

30-July-2024

Date Rec. : 08 July 2024
LR Report: CA19613-JUL24
Reference: Meliadine - PO#1380289

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: TIR01C-10030 MS30-ARDG- 001250-Kwa-	6: TIR01C-10030 MS30-ARDG- 001251-Kwa-	7: TIR01C-10030 MS30-ARDG- 001252-Kwa-
Sample Date & Time					26-Jun-24	26-Jun-24	26-Jun-24
Paste pH [no unit]	17-Jul-24	12:25	17-Jul-24	14:22	9.22	9.33	9.38
Fizz Rate [rating]	15-Jul-24	08:55	17-Jul-24	14:22	4	4	4
Sample weight [g]	12-Jul-24	17:20	17-Jul-24	14:22	2.01	2.00	2.01
HCl_add [mL]	227441	11:47	17-Jul-24	14:22	40.00	40.00	40.00
HCl [Normality]	15-Jul-24	09:11	17-Jul-24	14:22	0.10	0.10	0.10
NaOH [Normality]	15-Jul-24	09:11	17-Jul-24	14:22	0.10	0.10	0.10
Vol NaOH to pH=8.3 [	16-Jul-24	11:47	17-Jul-24	14:22	20.35	22.49	21.87
Final pH [no unit]	16-Jul-24	11:47	17-Jul-24	14:22	1.67	1.55	1.62
NP [t CaCO3/1000 t]	16-Jul-24	17:41	17-Jul-24	14:22	48.9	43.8	45.1
AP [t CaCO3/1000 t]	16-Jul-24	17:41	17-Jul-24	16:45	5.62	5.00	2.81
Net NP [t CaCO3/1000	16-Jul-24	17:41	17-Jul-24	16:45	43.3	38.8	42.3
NP/AP [ratio]	16-Jul-24	17:41	17-Jul-24	16:45	8.69	8.76	16.0
S [%]	15-Jul-24	12:09	17-Jul-24	13:04	0.217	0.195	0.144
Acid Leachable SO4-S	16-Jul-24	11:13	17-Jul-24	13:04	< 0.04	< 0.04	0.05
Sulphide [%]	16-Jul-24	11:10	17-Jul-24	13:04	0.18	0.16	0.09

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS30-ARDG- 001250-Kwa-	6: TIR01C-10030 MS30-ARDG- 001251-Kwa-	7: TIR01C-10030 MS30-ARDG- 001252-Kwa-
C [%]	15-Jul-24	12:08	17-Jul-24	13:04	0.777	0.676	0.693
CO3 (HCl) as %CO3 [	16-Jul-24	08:29	17-Jul-24	13:04	3.44	3.01	2.59

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0053-JUL24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	13
Sulphur (total)	0.005	%	<0.005			0	20				99	70	13
Carbon/Sulphur - QCBatchID: ECS0054-JUL24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0055-JUL24													
Sulphide	0.04	%	< 0.01			0	20	119	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine

, Nunavut

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Phone: (819) 759-3555

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

30-July-2024

Date Rec. : 08 July 2024
LR Report: CA19614-JUL24
Reference: Meliadine - PO#1380289

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: TIR01C-10030 MS30-ARDG-0 01250-Kwa-s	6: TIR01C-10030 MS30-ARDG-0 01251-Kwa-s	7: TIR01C-10030 MS30-ARDG-0 01252-Kwa-s
Sample Date & Time					26-Jun-24	26-Jun-24	26-Jun-24
Ag [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	< 0.5	< 0.5	< 0.5
Al [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	95000	88000	93000
As [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	210	100	140
Ba [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	900	700	700
Be [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	1.4	1.4	1.4
Bi [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	0.23	0.15	0.19
Ca [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	14000	11000	12000
Cd [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	0.12	0.10	0.12
Co [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	22	23	23
Cr [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	85	74	89
Cu [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	52	49	50
Fe [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	43000	43000	43000
K [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	23000	23000	22000
Li [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	35	39	38
Mg [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	16000	17000	17000

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS30-ARDG-0 01250-Kwa-s	6: TIR01C-10030 MS30-ARDG-0 01251-Kwa-s	7: TIR01C-10030 MS30-ARDG-0 01252-Kwa-s
Mn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	410	380	410
Mo [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	2.1	1.9	1.8
Ni [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	77	82	82
P [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	480	500	510
Pb [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	18	13	15
Sb [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	< 0.8	< 0.8	< 0.8
Se [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	0.4	0.3	0.3
Sn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	< 6	< 6	< 6
Sr [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	390	310	320
Ti [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	2500	1100	1100
Tl [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	0.59	0.59	0.55
U [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	2.0	1.8	1.9
V [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	110	100	100
Y [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	7.1	6.6	7.4
Zn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	96	95	94

Bulk Metals Suite

Catharine Arnold

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

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: EMS0205-JUL24													
Calcium	3	µg/g	<3			1		99			84		
Phosphorus	3	µg/g	<3			1		103			90		
Potassium	3	µg/g	<3			1		102			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0205-JUL24													
Aluminum	3	µg/g	<3			1	20	109	70	130	94	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	103	70	130
Arsenic	0.5	µg/g	<0.5			1	20	106	70	130	107	70	130
Barium	0.01	µg/g	<0.01			1	20	100	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			1	20	100	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			13	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	103	70	130	83	70	130
Cobalt	0.01	µg/g	<0.01			1	20	104	70	130	91	70	130
Copper	0.1	µg/g	<0.1			1	20	101	70	130	98	70	130
Iron	3	µg/g	<3			1	20	103	70	130	98	70	130
Lead	0.05	µg/g	<0.05			1	20	104	70	130	101	70	130
Lithium	2	µg/g	<2			1	20	95	70	130	89	70	130
Magnesium	3	µg/g	<3			1	20	105	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			1	20	103	70	130	92	70	130
Molybdenum	0.1	µg/g	<0.1			ND	20	107	70	130	103	70	130
Nickel	0.1	µg/g	<0.1			1	20	110	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			ND	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	102	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	104	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	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	99	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			1	20	104	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	103	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			1	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	107	70	130	99	70	130

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

30-July-2024

Date Rec. : 08 July 2024
LR Report: CA19615-JUL24
Reference: Meliadine - PO#1380289

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: TIR01C-10030M S30-ARDG-0012 50-Kwa-s	6: TIR01C-10030M S30-ARDG-0012 51-Kwa-s	7: TIR01C-10030M S30-ARDG-0012 52-Kwa-s	8: TIR01C-10030M S30-ARDG-0012 52-Kwa-s	9:BLK: \$D.I. Leachate Blank
Sample Date & Time					26-Jun-24	26-Jun-24	26-Jun-24		
Sample weight [g]	11-Jul-24	06:52	12-Jul-24	15:04	250	250	249	250	---
Volume D.I. Water [mL]	11-Jul-24	07:17	12-Jul-24	15:04	750	750	750	750	750
pH [No unit]	12-Jul-24	14:12	15-Jul-24	10:34	7.95	7.95	8.02	7.96	6.53
Conductivity [uS/cm]	12-Jul-24	14:12	15-Jul-24	10:34	239	189	179	175	2
Alkalinity [mg/L as CaCO3]	12-Jul-24	14:12	15-Jul-24	10:34	54	54	59	55	2
SO4 [mg/L]	16-Jul-24	12:22	16-Jul-24	14:37	36	25	16	16	< 2
Hg (diss) [mg/L]	15-Jul-24	14:24	17-Jul-24	14:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.596	0.640	0.755	0.713	0.003
As (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.153	0.0508	0.0756	0.0772	< 0.0002
Ba (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.00338	0.00276	0.00139	0.00150	< 0.00008
B (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.014	0.014	0.011	0.011	< 0.002
Be (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	9.74	8.61	7.49	7.54	< 0.01
Cd (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.000068	0.000016	0.000030	0.000025	< 0.000004
Cr (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S30-ARDG-0012 50-Kwa-s	6: TIR01C-10030M S30-ARDG-0012 51-Kwa-s	7: TIR01C-10030M S30-ARDG-0012 52-Kwa-s	8: TIR01C-10030M S30-ARDG-0012 52-Kwa-s	9:BLK: \$D.I. Leachate Blank
Cu (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.007	< 0.007	< 0.007	< 0.007	0.019
K (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	24.5	18.0	18.1	18.5	0.067
Li (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.0011	0.0041	0.0009	0.0008	< 0.0001
Mg (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	3.19	2.59	2.20	2.21	0.001
Mn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.00095	0.00086	0.00062	0.00068	0.00018
Mo (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.0050	0.0036	0.0032	0.0032	< 0.0004
Na (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	17.5	13.5	13.2	13.5	< 0.01
Ni (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.0002	< 0.0001	0.0001	0.0001	< 0.0001
Pb (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.0074	0.0073	0.0076	0.0074	< 0.0009
Se (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.00047	0.00038	0.00030	0.00035	< 0.00004
Si (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	1.46	1.39	1.39	1.36	< 0.02
Sn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.0529	0.0370	0.0333	0.0327	< 0.00008
Ti (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.0003	0.0001	0.0002	0.0001	< 0.0001
Tl (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.000008	0.000006	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.000246	0.000137	0.000147	0.000152	< 0.000002
V (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.00228	0.00185	0.00212	0.00213	< 0.00001
W (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	0.0031	0.0014	0.0015	0.0016	< 0.0002
Y (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0261-JUL24													
Alkalinity	2	mg/L as Ca	< 2			1	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8037-JUL24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	109	75	125
Conductivity - QCBatchID: EWL0261-JUL24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0030-JUL24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	81	80	120	90	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0097-JUL24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	95	90	110	75	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	114	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			7	20	96	90	110	98	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	97	90	110	94	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	101	90	110	100	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	82	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	98	90	110	93	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			13	20	95	90	110	98	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	98	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	95	90	110	93	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	95	90	110	88	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	103	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	102	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			6	20	92	90	110	93	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	83	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	85	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	97	90	110	90	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			0	20	99	90	110	99	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			5	20	95	90	110	88	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	101	90	110	70	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	94	90	110	94	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	99	90	110	78	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	95	90	110	91	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	96	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	95	90	110	93	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			1	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	95	90	110	97	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	102	90	110	98	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			7	20	98	90	110	85	70	130
pH - QCBatchID: EWL0261-JUL24													
pH	0.05	No unit	NA			0		100			NA		



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

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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#1380289

30-July-2024

Date Rec. : 09 July 2024
LR Report: CA19616-JUL24
Reference: Meliadine - PO#1380289

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: TIR01C-10030 MS32-ARDG-0 01253-Kwa-s	6: TIR01C-10030 MS32-ARDG-0 01254-Kwa-s	7: TIR01C-10030 MS32-ARDG-0 01255-Kwa-s	8: TIR01C-10030 MS32-ARDG-0 01256-Kwa-s	9: TIR01C-10030 MS32-ARDG-0 01257-Kwa-s
Sample Date & Time					02-Jul-24	02-Jul-24	02-Jul-24	02-Jul-24	02-Jul-24
Paste pH [no unit]	17-Jul-24	12:25	17-Jul-24	14:23	9.37	9.30	9.30	9.31	9.22
Fizz Rate [rating]	15-Jul-24	08:55	17-Jul-24	14:23	4	4	4	4	4
Sample weight [g]	12-Jul-24	17:20	17-Jul-24	14:23	2.02	2.02	2.01	2.00	2.01
HCl_add [mL]	227441	11:47	17-Jul-24	14:23	40.00	40.00	40.00	40.00	40.00
HCl [Normality]	15-Jul-24	09:11	17-Jul-24	14:23	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	15-Jul-24	09:11	17-Jul-24	14:23	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Jul-24	11:47	17-Jul-24	14:23	20.89	21.86	20.78	21.96	20.19
Final pH [no unit]	16-Jul-24	11:47	17-Jul-24	14:23	1.59	1.50	1.60	1.59	1.65
NP [t CaCO3/1000 t]	16-Jul-24	17:41	17-Jul-24	14:23	47.3	44.9	47.8	45.1	49.3
AP [t CaCO3/1000 t]	16-Jul-24	17:41	17-Jul-24	16:45	6.25	5.62	3.44	5.00	5.94
Net NP [t CaCO3/1000 t]	16-Jul-24	17:41	17-Jul-24	16:45	41.0	39.3	44.4	40.1	43.4
NP/AP [ratio]	16-Jul-24	17:41	17-Jul-24	16:45	7.57	7.98	13.9	9.02	8.30
S [%]	15-Jul-24	12:09	17-Jul-24	13:04	0.260	0.297	0.155	0.228	0.260
Acid Leachable SO4-S [%]	16-Jul-24	11:14	17-Jul-24	13:04	0.06	0.12	0.04	0.07	0.07
Sulphide [%]	16-Jul-24	11:10	17-Jul-24	13:04	0.20	0.18	0.11	0.16	0.19



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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19616-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS32-ARDG-0 01253-Kwa-s	6: TIR01C-10030 MS32-ARDG-0 01254-Kwa-s	7: TIR01C-10030 MS32-ARDG-0 01255-Kwa-s	8: TIR01C-10030 MS32-ARDG-0 01256-Kwa-s	9: TIR01C-10030 MS32-ARDG-0 01257-Kwa-s
C [%]	15-Jul-24	12:08	17-Jul-24	13:04	0.686	0.676	0.733	0.670	0.769
CO3 (HCl) as %CO3 [%]	16-Jul-24	08:29	17-Jul-24	13:04	2.91	2.89	3.20	3.05	3.36

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0053-JUL24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	13
Sulphur (total)	0.005	%	<0.005			0	20				99	70	13
Carbon/Sulphur - QCBatchID: ECS0054-JUL24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0055-JUL24													
Sulphide	0.04	%	< 0.01			0	20	119	80	120			



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Phone: (819) 759-3555

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

30-July-2024

Date Rec. : 09 July 2024
LR Report: CA19617-JUL24
Reference: Meliadine - PO#1380289

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: TIR01C-10030 MS32-ARDG-0 01253-Kwa-s	6: TIR01C-10030 MS32-ARDG-0 01254-Kwa-s	7: TIR01C-10030 MS32-ARDG-0 01255-Kwa-s	8: TIR01C-10030 MS32-ARDG-0 01256-Kwa-s	9: TIR01C-10030 MS32-ARDG-0 01257-Kwa-s
Sample Date & Time					02-Jul-24	02-Jul-24	02-Jul-24	02-Jul-24	02-Jul-24
Ag [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	77000	78000	99000	89000	87000
As [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	56	67	450	100	63
Ba [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	560	570	660	550	800
Be [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	1.1	1.1	1.4	1.3	1.2
Bi [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	0.17	0.18	0.18	0.17	0.17
Ca [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	15000	15000	13000	14000	14000
Cd [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	0.14	0.14	0.13	0.12	0.10
Co [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	18	18	24	22	22
Cr [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	77	56	100	100	110
Cu [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	47	48	52	56	45
Fe [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	32000	32000	44000	41000	39000
K [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	15000	15000	23000	19000	20000
Li [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	24	24	38	37	33
Mg [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	11000	11000	17000	16000	15000



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

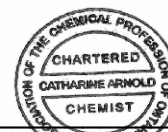
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19617-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS32-ARDG-0 01253-Kwa-s	6: TIR01C-10030 MS32-ARDG-0 01254-Kwa-s	7: TIR01C-10030 MS32-ARDG-0 01255-Kwa-s	8: TIR01C-10030 MS32-ARDG-0 01256-Kwa-s	9: TIR01C-10030 MS32-ARDG-0 01257-Kwa-s
Mn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	340	340	440	420	350
Mo [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	2.5	3.8	3.1	2.1	4.0
Ni [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	58	58	82	77	73
P [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	400	380	500	490	450
Pb [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	13	14	15	12	15
Sb [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	0.3	0.3	0.3	0.3	0.3
Sn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	370	370	340	320	350
Ti [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	1600	1600	1500	890	1500
Tl [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	0.37	0.38	0.56	0.48	0.52
U [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	1.5	1.6	1.9	1.7	1.6
V [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	69	70	120	110	100
Y [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	5.7	5.8	7.9	6.5	7.2
Zn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:16	85	79	96	87	86

Bulk Metals Suite

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



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: EMS0205-JUL24													
Calcium	3	µg/g	<3			1		99			84		
Phosphorus	3	µg/g	<3			1		103			90		
Potassium	3	µg/g	<3			1		102			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0205-JUL24													
Aluminum	3	µg/g	<3			1	20	109	70	130	94	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	103	70	130
Arsenic	0.5	µg/g	<0.5			1	20	106	70	130	107	70	130
Barium	0.01	µg/g	<0.01			1	20	100	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			1	20	100	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			13	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	103	70	130	83	70	130
Cobalt	0.01	µg/g	<0.01			1	20	104	70	130	91	70	130
Copper	0.1	µg/g	<0.1			1	20	101	70	130	98	70	130
Iron	3	µg/g	<3			1	20	103	70	130	98	70	130
Lead	0.05	µg/g	<0.05			1	20	104	70	130	101	70	130
Lithium	2	µg/g	<2			1	20	95	70	130	89	70	130
Magnesium	3	µg/g	<3			1	20	105	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			1	20	103	70	130	92	70	130
Molybdenum	0.1	µg/g	<0.1			ND	20	107	70	130	103	70	130
Nickel	0.1	µg/g	<0.1			1	20	110	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			ND	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	102	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	104	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	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	99	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			1	20	104	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	103	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			1	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	107	70	130	99	70	130

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
, Nunavut
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

30-July-2024

Date Rec. : 09 July 2024
LR Report: CA19618-JUL24
Reference: Meliadine - PO#1380289

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: TIR01C-10030M S32-ARDG-0012 53-Kwa-s	6: TIR01C-10030M S32-ARDG-0012 54-Kwa-s	7: TIR01C-10030M S32-ARDG-0012 55-Kwa-s	8: TIR01C-10030M S32-ARDG-0012 56-Kwa-s	9: TIR01C-10030M S32-ARDG-0012 57-Kwa-s
Sample Date & Time					02-Jul-24	02-Jul-24	02-Jul-24	02-Jul-24	02-Jul-24
Sample weight [g]	11-Jul-24	06:52	12-Jul-24	15:04	249	250	250	250	251
Volume D.I. Water [mL]	11-Jul-24	07:17	12-Jul-24	15:04	750	750	750	750	750
pH [No unit]	12-Jul-24	14:12	15-Jul-24	10:34	7.89	7.89	8.11	7.98	8.36
Conductivity [uS/cm]	12-Jul-24	14:12	15-Jul-24	10:34	220	214	170	199	264
Alkalinity [mg/L as CaCO3]	12-Jul-24	14:12	15-Jul-24	10:34	49	52	63	53	64
SO4 [mg/L]	16-Jul-24	12:22	16-Jul-24	14:37	45	44	10	22	42
Hg (diss) [mg/L]	15-Jul-24	14:24	17-Jul-24	14:18	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.644	0.645	0.761	0.678	0.584
As (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.0655	0.0647	0.125	0.0569	0.0314
Ba (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.00280	0.00257	0.00280	0.00150	0.00341
B (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.009	0.009	0.013	0.014	0.015
Be (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.00001	< 0.00001	0.00002	< 0.00001	< 0.00001
Ca (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	12.0	11.8	7.17	8.01	10.7
Cd (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.000003	0.000003	< 0.000003	< 0.000003	0.000003
Co (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.000040	0.000038	0.000020	0.000052	0.000027
Cr (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00009

Analysis	1: Analysis Start Date	2: Analysis Start Time/Completed Date	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S32-ARDG-0012 53-Kwa-s	6: TIR01C-10030M S32-ARDG-0012 54-Kwa-s	7: TIR01C-10030M S32-ARDG-0012 55-Kwa-s	8: TIR01C-10030M S32-ARDG-0012 56-Kwa-s	9: TIR01C-10030M S32-ARDG-0012 57-Kwa-s
Cu (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	15.9	15.9	19.2	17.4	21.8
Li (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.0014	0.0014	0.0009	0.0009	0.0011
Mg (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	3.44	3.40	2.00	2.09	3.49
Mn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.00167	0.00153	0.00064	0.00086	0.00112
Mo (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.0083	0.0079	0.0037	0.0057	0.0079
Na (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	15.2	14.8	13.5	18.1	22.3
Ni (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.0002	0.0002	0.0001	0.0002	0.0001
Pb (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.0045	0.0046	0.0078	0.0069	0.0064
Se (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.00069	0.00070	0.00022	0.00027	0.00037
Si (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	1.52	1.49	1.47	1.52	1.56
Sn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.0499	0.0493	0.0305	0.0341	0.0463
Ti (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.0001	0.0002	0.0002	0.0004	0.0003
Tl (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.000009	0.000008	< 0.000005	0.000008	0.000007
U (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.000375	0.000364	0.000199	0.000137	0.000217
V (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.00180	0.00179	0.00287	0.00223	0.00171
W (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.00368	0.00365	0.00182	0.00209	0.00327
Y (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.00002	< 0.00002	0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.003	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0261-JUL24													
Alkalinity	2	mg/L as Ca	< 2			1	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8037-JUL24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	109	75	125
Conductivity - QCBatchID: EWL0261-JUL24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0030-JUL24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	81	80	120	90	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0097-JUL24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	95	90	110	75	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	114	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			7	20	96	90	110	98	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	97	90	110	94	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	101	90	110	100	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	82	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	98	90	110	93	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			13	20	95	90	110	98	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	98	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	95	90	110	93	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	95	90	110	88	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	103	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	102	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			6	20	92	90	110	93	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	83	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	85	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	97	90	110	90	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			0	20	99	90	110	99	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			5	20	95	90	110	88	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	101	90	110	70	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	94	90	110	94	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	99	90	110	78	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	95	90	110	91	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	96	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	95	90	110	93	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			1	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	95	90	110	97	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	102	90	110	98	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			7	20	98	90	110	85	70	130
pH - QCBatchID: EWL0261-JUL24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

09-September-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. : 09 July 2024
LR Report: CA19619-JUL24
Reference: PO#1380289

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-001258-TARDG-001259-TARDG-001260-T IR01D-10035MS IR01D-10035MS IR01D-10035MS 23-Mv	6: 23-Mv	7: 23-Mv
Sample Date & Time					27-Jun-24	27-Jun-24	27-Jun-24
Paste pH [no unit]	17-Jul-24	12:25	17-Jul-24	14:19	8.98	8.06	9.05
Fizz Rate [rating]	15-Jul-24	08:55	17-Jul-24	14:19	4	4	4
Sample weight [g]	12-Jul-24	17:20	19-Jul-24	16:08	2.03	2.02	2.01
HCl_add [mL]	227441	11:47	19-Jul-24	16:08	170.10	160.00	160.00
HCl [Normality]	15-Jul-24	09:11	19-Jul-24	16:08	0.10	0.10	0.10
NaOH [Normality]	15-Jul-24	09:11	19-Jul-24	16:08	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Jul-24	11:47	19-Jul-24	16:08	60.05	79.57	58.71
Final pH [no unit]	16-Jul-24	11:47	19-Jul-24	16:08	1.66	1.62	1.55
NP [t CaCO3/1000 t]	16-Jul-24	17:41	19-Jul-24	16:08	271	199	252
AP [t CaCO3/1000 t]	16-Jul-24	17:41	19-Jul-24	16:08	4.38	2.50	3.75
Net NP [t CaCO3/1000 t]	16-Jul-24	17:41	19-Jul-24	16:08	267	197	248
NP/AP [ratio]	16-Jul-24	17:41	19-Jul-24	16:08	62.0	79.6	67.2
S [%]	15-Jul-24	12:09	17-Jul-24	13:04	0.160	0.110	0.135
Acid Leachable SO4-S [%]	16-Jul-24	11:14	17-Jul-24	13:04	< 0.04	< 0.04	< 0.04
Sulphide [%]	16-Jul-24	11:10	17-Jul-24	13:04	0.14	0.08	0.12
C [%]	15-Jul-24	12:08	17-Jul-24	13:04	3.39	3.37	3.14
CO3 (HCl) as %CO3 [%]	16-Jul-24	08:29	17-Jul-24	13:04	16.6	16.4	15.4

Analysis	8: ARDG-001261-TARDG-001262-TARDG-001263-TARDG-001264-TARDG-001265-TARDG-001266-T IR01D-10035MS IR01D-10035MS IR01D-10035MS IR01D-10035MS IR01D-10035MS IR01D-10035MS 23-Kwa-s	9: 23-Kwa-s	10: 23-Kwa-s	11: 23-Kwa-s	12: 23-Kwa-s	13: 23-Kwa-s
Sample Date & Time	01-Jul-24	01-Jul-24	01-Jul-24	01-Jul-24	01-Jul-24	01-Jul-24
Paste pH [no unit]	8.93	9.32	8.86	9.17	9.27	9.27
Fizz Rate [rating]	4	4	4	4	4	4
Sample weight [g]	2.01	2.02	2.02	2.00	2.02	2.01
HCl_add [mL]	40.00	40.00	40.00	40.00	40.00	40.00
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]	22.29	24.27	18.88	24.08	22.74	24.40
Final pH [no unit]	1.57	1.51	1.71	1.56	1.53	1.50
NP [t CaCO3/1000 t]	44.1	38.9	52.3	39.8	42.7	38.8
AP [t CaCO3/1000 t]	3.75	4.06	3.44	4.06	4.38	4.38

SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19619-JUL24

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-001261-TARDG-001262-TARDG-001263-TARDG-001264-TARDG-001265-TARDG-001266-T					
	IR01D-10035MS IR01D-10035MS IR01D-10035MS IR01D-10035MS IR01D-10035MS IR01D-10035MS					
	23-Kwa-s	23-Kwa-s	23-Kwa-s	23-Kwa-s	23-Kwa-s	23-Kwa-s
Net NP [t CaCO ₃ /1000 t]	40.4	34.8	48.9	35.7	38.3	34.4
NP/AP [ratio]	11.8	9.58	15.2	9.80	9.76	8.87
S [%]	0.178	0.184	0.157	0.191	0.192	0.207
Acid Leachable SO ₄ -S [%]	0.06	0.05	0.05	0.06	0.05	0.07
Sulphide [%]	0.12	0.13	0.11	0.13	0.14	0.14
C [%]	0.600	0.559	0.750	0.594	0.641	0.557
CO ₃ (HCl) as %CO ₃ [%]	2.59	2.30	3.49	2.51	2.74	2.34

Reissued as original report was not received

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.



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

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: ECS0053-JUL24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	13
Sulphur (total)	0.005	%	<0.005			0	20				99	70	13
Carbon/Sulphur - QCBatchID: ECS0054-JUL24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0055-JUL24													
Sulphide	0.04	%	< 0.01			0	20	119	80	120			

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

30-July-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. : 09 July 2024

LR Report: CA19621-JUL24

Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001258-T Completed IR01D-10035MS Time	5: TARDG-001259-T IR01D-10035MS 23-Mv	6: TARDG-001260-T IR01D-10035MS 23-Mv	7: TARDG-001260-T IR01D-10035MS 23-Mv
Sample Date & Time					27-Jun-24	27-Jun-24	27-Jun-24
Sample weight [g]	11-Jul-24	06:52	12-Jul-24	15:04	251	250	250
Volume D.I. Water [mL]	11-Jul-24	07:17	12-Jul-24	15:04	750	750	750
pH [No unit]	12-Jul-24	14:12	15-Jul-24	10:34	7.90	7.61	7.92
Conductivity [uS/cm]	12-Jul-24	14:12	15-Jul-24	10:34	181	917	154
Alkalinity [mg/L as CaCO ₃]	12-Jul-24	14:12	15-Jul-24	10:34	48	41	50
SO ₄ [mg/L]	16-Jul-24	12:22	16-Jul-24	14:38	10	3	9
Hg (diss) [mg/L]	15-Jul-24	14:24	17-Jul-24	14:19	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.806	0.178	0.800
As (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0013	0.0057	0.0006
Ba (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.00127	0.00681	0.00142
B (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.023	0.131	0.021
Be (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	8.63	88.4	7.56
Cd (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.000021	0.000116	0.000013
Cr (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	4.40	9.33	4.59
Li (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0010	0.0596	0.0009
Mg (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	1.44	23.4	1.26
Mn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.00160	0.0177	0.00136
Mo (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0020	0.0019	0.0022
Na (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	22.3	29.4	19.1
Ni (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.0001	0.0004	< 0.0001
Pb (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0019	0.0013	0.0019
Se (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.00032	0.00032	0.00029

Online LIMS

9191086000

**SGS Canada Inc.**

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

mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19621-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001258-T IR01D-10035MS 23-Mv	6: ARDG-001259-T IR01D-10035MS 23-Mv	7: ARDG-001260-T IR01D-10035MS 23-Mv
Si (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.88	0.96	0.86
Sn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:19	0.0258	2.66	0.0237
Ti (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.000005	0.000006	< 0.000005
U (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.000007	0.000003	0.000002
V (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.00095	0.00020	0.00113
W (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	0.0004	< 0.0002	0.0004
Y (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	15-Jul-24	18:04	17-Jul-24	14:18	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-001261-T IR01D-10035MS 23-Kwa-s	9: ARDG-001262-T IR01D-10035MS 23-Kwa-s	10: ARDG-001263-T IR01D-10035MS 23-Kwa-s	11: ARDG-001264-T IR01D-10035MS 23-Kwa-s	12: ARDG-001265-T IR01D-10035MS 23-Kwa-s	13: ARDG-001266-T IR01D-10035MS 23-Kwa-s
Sample Date & Time	01-Jul-24	01-Jul-24	01-Jul-24	01-Jul-24	01-Jul-24	01-Jul-24
Sample weight [g]	251	250	250	250	250	249
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [No unit]	7.85	7.96	8.02	7.89	7.90	7.86
Conductivity [uS/cm]	513	229	416	249	245	222
Alkalinity [mg/L as CaCO3]	49	54	55	50	48	45
SO4 [mg/L]	40	20	16	32	33	19
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]	0.445	0.627	0.572	0.585	0.573	0.593
As (diss) [mg/L]	0.0594	0.126	0.0516	0.160	0.163	0.119
Ba (diss) [mg/L]	0.00467	0.00478	0.00521	0.00268	0.00313	0.00257
B (diss) [mg/L]	0.021	0.017	0.016	0.019	0.019	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]	14.9	8.09	12.3	9.83	9.34	8.60
Cd (diss) [mg/L]	< 0.000003	< 0.000003	0.000004	< 0.000003	0.000007	0.000004
Co (diss) [mg/L]	0.000170	0.000033	0.000581	0.000028	0.000025	0.000019
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	23.0	18.5	20.8	17.6	17.5	17.4
Li (diss) [mg/L]	0.0012	0.0009	0.0014	0.0014	0.0015	0.0007
Mg (diss) [mg/L]	4.32	2.09	4.02	2.60	2.57	1.92
Mn (diss) [mg/L]	0.00141	0.00084	0.00117	0.00103	0.00096	0.00079
Mo (diss) [mg/L]	0.0068	0.0066	0.0091	0.0101	0.0104	0.0090
Na (diss) [mg/L]	58.1	21.9	42.6	24.6	23.4	21.3
Ni (diss) [mg/L]	0.0003	0.0002	0.0002	0.0003	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00015	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0065	0.0062	0.0037	0.0064	0.0065	0.0066
Se (diss) [mg/L]	0.00034	0.00024	0.00013	0.00024	0.00029	0.00022

SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19621-JUL24

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-001261-T	ARDG-001262-T	ARDG-001263-T	ARDG-001264-T	ARDG-001265-T	ARDG-001266-T
	IR01D-10035MS	IR01D-10035MS	IR01D-10035MS	IR01D-10035MS	IR01D-10035MS	IR01D-10035MS
	23-Kwa-s	23-Kwa-s	23-Kwa-s	23-Kwa-s	23-Kwa-s	23-Kwa-s
Si (diss) [mg/L]	1.39	1.61	1.38	1.62	1.64	1.44
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0848	0.0416	0.0729	0.0477	0.0464	0.0395
Ti (diss) [mg/L]	0.0002	0.0002	0.0001	0.0002	0.0002	0.0004
Tl (diss) [mg/L]	0.000005	0.000005	0.000012	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000152	0.000213	0.000107	0.000264	0.000283	0.000131
V (diss) [mg/L]	0.00103	0.00232	0.00128	0.00215	0.00230	0.00179
W (diss) [mg/L]	0.0014	0.0021	0.0023	0.0022	0.0027	0.0017
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0261-JUL24													
Alkalinity	2	mg/L as Ca	< 2			1	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8037-JUL24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	109	75	125
Conductivity - QCBatchID: EWL0261-JUL24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0030-JUL24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	81	80	120	90	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0097-JUL24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	95	90	110	75	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	114	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			7	20	96	90	110	98	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	97	90	110	94	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	101	90	110	100	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	82	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	98	90	110	93	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			13	20	95	90	110	98	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	98	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	95	90	110	93	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	95	90	110	88	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	103	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	102	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			6	20	92	90	110	93	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	83	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	99	90	110	85	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	97	90	110	90	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			0	20	99	90	110	99	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			5	20	95	90	110	88	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	101	90	110	70	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	94	90	110	94	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	99	90	110	78	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	95	90	110	91	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	96	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	95	90	110	93	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			1	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	95	90	110	97	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	102	90	110	98	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			7	20	98	90	110	85	70	130
pH - QCBatchID: EWL0261-JUL24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

13-August-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
 , Nunavut
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Phone: (819) 759-3555

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Date Rec. : 09 July 2024

LR Report: CA19620-JUL24

Reference: PO#1380289

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-001258-TARDG-001259-T IR01D-10035MS IR01D-10035MS 23-Mv	6: 23-Mv
Sample Date & Time					27-Jun-24	27-Jun-24
Ag [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	< 0.5	< 0.5
Al [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	62000	68000
As [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	8.1	55
Ba [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	80	66
Be [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.38	0.45
Bi [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	< 0.09	< 0.09
Ca [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	100000	79000
Cd [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.13	0.12
Co [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	38	41
Cr [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	140	170
Cu [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	90	79
Fe [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	61000	74000
K [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	3900	4500
Li [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	69	72
Mg [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	21000	28000
Mn [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	1800	1500
Mo [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.8	0.9
Ni [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	100	110
P [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	230	250
Pb [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	4	5
Sb [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	3.8	3.7
Se [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.3	0.3
Sn [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	< 6	< 6
Sr [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	180	280
Ti [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	600	590
Tl [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.16	0.15

Online LIMS

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**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19620-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001258-T IR01D-10035MS 23-Mv	6: ARDG-001259-T IR01D-10035MS 23-Mv
U [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.12	0.15
V [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	200	220
Y [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	9.4	6.4
Zn [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	88	98

Analysis	7: ARDG-001260-T IR01D-10035MS 23-Mv	8: ARDG-001261-T IR01D-10035MS 23-Kwa-s	9: ARDG-001262-T IR01D-10035MS 23-Kwa-s	10: ARDG-001263-T IR01D-10035MS 23-Kwa-s	11: ARDG-001264-T IR01D-10035MS 23-Kwa-s
Sample Date & Time	27-Jun-24	01-Jul-24	01-Jul-24	01-Jul-24	01-Jul-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	65000	84000	59000	67000	56000
As [µg/g]	6.4	120	65	220	65
Ba [µg/g]	59	710	560	610	500
Be [µg/g]	0.37	1.4	1.1	1.1	1.1
Bi [µg/g]	< 0.09	0.47	0.23	0.83	0.23
Ca [µg/g]	93000	15000	11000	15000	10000
Cd [µg/g]	0.10	0.10	0.10	0.17	0.13
Co [µg/g]	42	23	19	18	17
Cr [µg/g]	130	130	91	100	110
Cu [µg/g]	94	47	46	40	48
Fe [µg/g]	64000	50000	32000	33000	31000
K [µg/g]	3500	21000	17000	16000	16000
Li [µg/g]	69	43	35	33	31
Mg [µg/g]	22000	15000	12000	12000	11000
Mn [µg/g]	1800	460	290	350	280
Mo [µg/g]	0.4	1.4	1.7	1.4	1.8
Ni [µg/g]	110	75	61	60	58
P [µg/g]	230	580	430	390	400
Pb [µg/g]	3	19	14	34	11
Sb [µg/g]	3.8	3.7	3.6	3.7	3.7
Se [µg/g]	0.3	0.3	0.2	0.2	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	170	290	270	300	250
Ti [µg/g]	560	2800	810	1100	1000
Tl [µg/g]	0.14	0.47	0.41	0.40	0.40
U [µg/g]	0.079	1.9	1.3	1.3	1.2
V [µg/g]	210	120	85	76	81
Y [µg/g]	9.8	8.1	3.3	4.9	3.4
Zn [µg/g]	96	85	84	89	80

Analysis	12:	13:
	ARDG-001265-T	ARDG-001266-T
	IR01D-10035MS	IR01D-10035MS
	23-Kwa-s	23-Kwa-s
Sample Date & Time	01-Jul-24	01-Jul-24
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	66000	61000
As [µg/g]	55	66
Ba [µg/g]	540	490
Be [µg/g]	1.1	1.2
Bi [µg/g]	0.20	0.17
Ca [µg/g]	13000	11000
Cd [µg/g]	0.12	0.09
Co [µg/g]	19	20
Cr [µg/g]	100	120
Cu [µg/g]	44	47
Fe [µg/g]	31000	39000
K [µg/g]	16000	18000
Li [µg/g]	30	36
Mg [µg/g]	11000	13000
Mn [µg/g]	310	320
Mo [µg/g]	1.4	1.9
Ni [µg/g]	58	66
P [µg/g]	400	430
Pb [µg/g]	12	10
Sb [µg/g]	3.6	3.6
Se [µg/g]	0.2	0.2
Sn [µg/g]	< 6	< 6
Sr [µg/g]	300	230
Ti [µg/g]	960	2400
Tl [µg/g]	0.39	0.42
U [µg/g]	1.6	1.3
V [µg/g]	79	99
Y [µg/g]	4.6	3.8
Zn [µg/g]	78	82

Bulk Metals Suite



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

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: EMS0026-AUG24													
Calcium	3	µg/g	<3			2		102			99		
Phosphorus	3	µg/g	<3			5		97			89		
Potassium	3	µg/g	<3			2		101			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0026-AUG24													
Aluminum	3	µg/g	<3			3	20	98	70	130	93	70	130
Antimony	0.8	µg/g	<0.8			2	20	103	70	130	128	70	130
Arsenic	0.5	µg/g	<0.5			3	20	104	70	130	91	70	130
Barium	0.01	µg/g	<0.01			4	20	99	70	130	95	70	130
Beryllium	0.02	µg/g	<0.02			2	20	95	70	130	82	70	130
Bismuth	0.09	µg/g	<0.09			17	20	106	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	108	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			19	20	103	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			8	20	104	70	130	88	70	130
Copper	0.1	µg/g	<0.1			17	20	107	70	130	96	70	130
Iron	3	µg/g	<3			3	20	97	70	130	94	70	130
Lead	0.05	µg/g	<0.05			2	20	101	70	130	99	70	130
Lithium	2	µg/g	<2			0	20	94	70	130	96	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			1	20	105	70	130	97	70	130
Molybdenum	0.1	µg/g	<0.1			13	20	102	70	130	92	70	130
Nickel	0.1	µg/g	<0.1			2	20	107	70	130	105	70	130
Selenium	0.1	µg/g	<0.1			15	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	103	70	130	100	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	109	70	130	71	70	130
Uranium	0.002	µg/g	<0.002			8	20	100	70	130	93	70	130
Vanadium	1	µg/g	<1			7	20	110	70	130	92	70	130
Yttrium	0.004	µg/g	<0.004			5	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	108	70	130	101	70	130



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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

30-July-2024

Date Rec. : 10 July 2024
LR Report: CA19641-JUL24
Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Time	5: TIR01C-10030M Completed S34-ARDG-0012 67-Kwa-s	6: TIR01C-10030M S34-ARDG-0012 68-Kwa-s	7: TIR01C-10030M S34-ARDG-0012 69-Kwa-s	8: TIR01C-10030M S34-ARDG-0012 70-Kwa-s	9: TIR01C-10030M S34-ARDG-0012 71-Kwa-s	10: TIR01C-10030M S34-ARDG-0012 72-Kwa-s
Sample Date & Time					06-Jul-24	06-Jul-24	06-Jul-24	06-Jul-24	06-Jul-24	06-Jul-24
Paste pH [no unit]	17-Jul-24	12:25	17-Jul-24	14:24	9.24	9.39	9.37	9.35	9.28	9.30
Fizz Rate [rating]	15-Jul-24	08:55	17-Jul-24	14:24	4	3	3	3	3	3
Sample weight [g]	12-Jul-24	17:20	17-Jul-24	14:24	2.00	2.01	2.01	2.02	2.00	2.00
HCl_add [mL]	227441	11:47	17-Jul-24	14:24	40.00	42.80	37.80	30.10	32.40	41.40
HCl [Normality]	15-Jul-24	09:11	17-Jul-24	14:24	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	15-Jul-24	09:11	17-Jul-24	14:24	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Jul-24	11:47	17-Jul-24	14:24	22.26	21.70	20.11	13.90	13.36	21.71
Final pH [no unit]	16-Jul-24	11:47	17-Jul-24	14:24	1.50	1.54	1.57	1.80	1.92	1.56
NP [t CaCO3/1000 t]	16-Jul-24	17:41	17-Jul-24	14:24	44.4	52.5	44.0	40.1	47.6	49.2
AP [t CaCO3/1000 t]	18-Jul-24	11:11	18-Jul-24	11:12	3.75	4.06	3.75	3.12	3.12	3.75
Net NP [t CaCO3/1000 t]	18-Jul-24	11:11	18-Jul-24	11:12	40.6	48.4	40.2	37.0	44.5	45.4
NP/AP [ratio]	18-Jul-24	11:11	18-Jul-24	11:12	11.8	12.9	11.7	12.8	15.2	13.1
S [%]	17-Jul-24	09:23	18-Jul-24	11:11	0.227	0.251	0.237	0.218	0.206	0.210
Acid Leachable SO4-S [%]	18-Jul-24	11:00	18-Jul-24	11:11	0.11	0.12	0.12	0.12	0.11	0.09
Sulphide [%]	18-Jul-24	10:55	18-Jul-24	11:11	0.12	0.13	0.12	0.10	0.10	0.12
C [%]	17-Jul-24	09:22	18-Jul-24	11:11	0.628	0.792	0.714	0.646	0.718	0.723

Online LIMS



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#1380289
LR Report : CA19641-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start TimeCompleted	3: Analysis Date	4: Analysis Completed Time	5: TIR01C-10030M S34-ARDG-0012 67-Kwa-s	6: TIR01C-10030M S34-ARDG-0012 68-Kwa-s	7: TIR01C-10030M S34-ARDG-0012 69-Kwa-s	8: TIR01C-10030M S34-ARDG-0012 70-Kwa-s	9: TIR01C-10030M S34-ARDG-0012 71-Kwa-s	10: TIR01C-10030M S34-ARDG-0012 72-Kwa-s
CO3 (HCl) as %CO3 [%]	18-Jul-24	08:27	18-Jul-24	11:11	2.75	3.53	3.02	2.68	3.30	3.31

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

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: ECS0058-JUL24													
Sulphide	0.04	%	< 0.01			11	20	90	80	120			
Carbon/Sulphur - QCBatchID: ECS0061-JUL24													
Carbon (total)	0.005	%	<0.005			5	20				99	70	130
Sulphur (total)	0.005	%	<0.005			7	20				103	70	130
Carbon/Sulphur - QCBatchID: ECS0063-JUL24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	97	80	120			

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

13-August-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. : 10 July 2024
 LR Report: CA19642-JUL24
 Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis TIR01C-10030 CompletedMS34-ARDG-0 Time 01267-Kwa-s	5: TIR01C-10030 MS34-ARDG-0MS34-ARDG-0 01268-Kwa-s	6: TIR01C-10030 MS34-ARDG-0 01269-Kwa-s	7:
Sample Date & Tim					06-Jul-24	06-Jul-24	06-Jul-24
Ag [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	80000	65000	65000
As [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	480	320	140
Ba [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	800	570	480
Be [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	1.3	1.3	1.2
Bi [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.25	0.19	0.24
Ca [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	12000	14000	12000
Cd [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.09	0.11	0.11
Co [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	23	20	20
Cr [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	120	120	120
Cu [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	47	49	48
Fe [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	41000	34000	36000
K [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	22000	17000	19000
Li [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	42	31	33
Mg [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	16000	12000	13000
Mn [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	360	370	350
Mo [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	1.7	2.0	1.7
Ni [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	81	68	70
P [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	480	410	430
Pb [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	15	15	14
Sb [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	3.6	3.6	3.7
Se [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.3	0.3	0.3
Sn [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	< 6	< 6	< 6
Sr [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	300	300	260
Ti [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	730	1200	780
Tl [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	0.54	0.51	0.45
U [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	1.6	1.5	1.1
V [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	110	91	100
Y [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	6.3	4.7	4.4
Zn [µg/g]	12-Aug-24	16:18	13-Aug-24	09:17	96	88	84

Analysis	8:	9:	10:
	TIR01C-10030	TIR01C-10030	TIR01C-10030
	MS34-ARDG-0	MS34-ARDG-0	MS34-ARDG-0
	01270-Kwa-s	01271-Kwa-s	01272-Kwa-s
Sample Date & Tim	06-Jul-24	06-Jul-24	06-Jul-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	55000	75000	74000
As [µg/g]	120	1100	1100
Ba [µg/g]	430	800	760
Be [µg/g]	1.2	1.3	1.3
Bi [µg/g]	0.18	0.39	0.35
Ca [µg/g]	10000	13000	13000
Cd [µg/g]	0.09	0.17	0.13
Co [µg/g]	21	22	22
Cr [µg/g]	120	140	150
Cu [µg/g]	46	52	46
Fe [µg/g]	36000	40000	39000
K [µg/g]	18000	21000	20000
Li [µg/g]	35	41	38
Mg [µg/g]	13000	15000	15000
Mn [µg/g]	320	380	380
Mo [µg/g]	1.7	1.7	2.2
Ni [µg/g]	70	74	74
P [µg/g]	430	460	430
Pb [µg/g]	12	54	62
Sb [µg/g]	3.6	3.8	3.8
Se [µg/g]	0.2	0.4	0.4
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	240	310	300
Ti [µg/g]	790	900	890
Tl [µg/g]	0.46	0.58	0.53
U [µg/g]	0.99	1.9	1.8
V [µg/g]	98	110	110
Y [µg/g]	3.7	6.8	6.8
Zn [µg/g]	85	98	95

Bulk Metals Suite



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

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: EMS0026-AUG24													
Calcium	3	µg/g	<3			2		102			99		
Phosphorus	3	µg/g	<3			5		97			89		
Potassium	3	µg/g	<3			2		101			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0026-AUG24													
Aluminum	3	µg/g	<3			3	20	98	70	130	93	70	130
Antimony	0.8	µg/g	<0.8			2	20	103	70	130	128	70	130
Arsenic	0.5	µg/g	<0.5			3	20	104	70	130	91	70	130
Barium	0.01	µg/g	<0.01			4	20	99	70	130	95	70	130
Beryllium	0.02	µg/g	<0.02			2	20	95	70	130	82	70	130
Bismuth	0.09	µg/g	<0.09			17	20	106	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	108	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			19	20	103	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			8	20	104	70	130	88	70	130
Copper	0.1	µg/g	<0.1			17	20	107	70	130	96	70	130
Iron	3	µg/g	<3			3	20	97	70	130	94	70	130
Lead	0.05	µg/g	<0.05			2	20	101	70	130	99	70	130
Lithium	2	µg/g	<2			0	20	94	70	130	96	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			1	20	105	70	130	97	70	130
Molybdenum	0.1	µg/g	<0.1			13	20	102	70	130	92	70	130
Nickel	0.1	µg/g	<0.1			2	20	107	70	130	105	70	130
Selenium	0.1	µg/g	<0.1			15	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	103	70	130	100	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	109	70	130	71	70	130
Uranium	0.002	µg/g	<0.002			8	20	100	70	130	93	70	130
Vanadium	1	µg/g	<1			7	20	110	70	130	92	70	130
Yttrium	0.004	µg/g	<0.004			5	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	108	70	130	101	70	130

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

30-July-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. : 10 July 2024
 LR Report: CA19643-JUL24
 Reference: Meliadine - PO#1380289

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: TIR01C-10030 MS34-ARDG-0 01267-Kwa-s	6: TIR01C-10030 MS34-ARDG-0 01268-Kwa-s	7: TIR01C-10030 MS34-ARDG-0 01269-Kwa-s
Sample Date & Time					06-Jul-24	06-Jul-24	06-Jul-24
Sample weight [g]	18-Jul-24	06:15	19-Jul-24	15:49	250	250	251
Volume D.I. Water [mL]	18-Jul-24	06:47	19-Jul-24	15:49	750	750	750
pH [no unit]	19-Jul-24	06:00	19-Jul-24	15:49	9.14	9.18	9.27
pH [No unit]	19-Jul-24	14:53	22-Jul-24	11:10	7.92	8.08	8.26
Conductivity [uS/cm]	19-Jul-24	14:53	22-Jul-24	11:10	204	216	211
Alkalinity [mg/L as CaCO3]	19-Jul-24	14:53	22-Jul-24	11:10	46	62	56
SO4 [mg/L]	20-Jul-24	08:29	22-Jul-24	10:06	30	18	16
Hg (diss) [mg/L]	22-Jul-24	15:10	25-Jul-24	12:20	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.599	0.587	0.633
As (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.0499	0.0711	0.0484
Ba (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.00220	0.00358	0.00150
B (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.013	0.012	0.013
Be (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	9.81	9.41	7.87
Cd (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.000003	< 0.000003	0.000007
Co (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.000021	0.000046	0.000021
Cr (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	16.3	17.8	17.8
Li (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.0008	0.0010	0.0006
Mg (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	2.77	3.15	2.38
Mn (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.00070	0.00098	0.00073
Mo (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.0077	0.0076	0.0058
Na (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	16.1	18.1	20.6
Ni (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.0002	0.0002	0.0002

Online LIMS

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SGS Canada Inc.

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

mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19643-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS34-ARDG-0 01267-Kwa-s	6: TIR01C-10030 MS34-ARDG-0 01268-Kwa-s	7: TIR01C-10030 MS34-ARDG-0 01269-Kwa-s
Pb (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.0047	0.0061	0.0067
Se (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.00023	0.00024	0.00017
Si (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	1.34	1.52	1.48
Sn (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	0.0439	0.0456	0.0337
Ti (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:20	< 0.0001	< 0.0001	0.0002
Tl (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:19	< 0.000005	0.000025	< 0.000005
U (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:19	0.000102	0.000289	0.000136
V (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:19	0.00130	0.00182	0.00197
W (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:19	0.00134	0.00225	0.00229
Y (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:19	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	23-Jul-24	18:23	25-Jul-24	12:19	< 0.002	< 0.002	< 0.002

Analysis	8: TIR01C-10030 MS34-ARDG-0 01270-Kwa-s	9: TIR01C-10030 MS34-ARDG-0 01271-Kwa-s	10: TIR01C-10030 MS34-ARDG-0 01272-Kwa-s
Sample Date & Time	06-Jul-24	06-Jul-24	06-Jul-24
Sample weight [g]	250	250	250
Volume D.I. Water [mL]	750	750	750
pH [no unit]	9.37	9.32	9.28
pH [No unit]	8.20	8.63	8.44
Conductivity [uS/cm]	209	235	229
Alkalinity [mg/L as CaCO3]	55	64	61
SO4 [mg/L]	18	23	22
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.650	0.369	0.389
As (diss) [mg/L]	0.0446	0.138	0.139
Ba (diss) [mg/L]	0.00185	0.00225	0.00208
B (diss) [mg/L]	0.014	0.047	0.047
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	7.84	8.18	8.51
Cd (diss) [mg/L]	< 0.000003	0.000004	0.000022
Co (diss) [mg/L]	0.000016	0.000027	0.000023
Cr (diss) [mg/L]	< 0.00008	0.00009	0.00010
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.008	0.007
K (diss) [mg/L]	18.1	17.0	16.4
Li (diss) [mg/L]	0.0007	0.0010	0.0010
Mg (diss) [mg/L]	2.22	2.82	2.62

Analysis	8:	9:	10:
	TIR01C-10030	TIR01C-10030	TIR01C-10030
	MS34-ARDG-0	MS34-ARDG-0	MS34-ARDG-0
	01270-Kwa-s	01271-Kwa-s	01272-Kwa-s
Mn (diss) [mg/L]	0.00070	0.00030	0.00070
Mo (diss) [mg/L]	0.0053	0.0088	0.0414
Na (diss) [mg/L]	19.9	26.1	24.7
Ni (diss) [mg/L]	0.0001	0.0002	0.0001
Pb (diss) [mg/L]	< 0.00009	0.00019	0.00015
Sb (diss) [mg/L]	0.0069	0.0084	0.0085
Se (diss) [mg/L]	0.00015	0.00030	0.00028
Si (diss) [mg/L]	1.44	1.53	1.60
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0354	0.0359	0.0371
Ti (diss) [mg/L]	0.0003	0.0003	0.0003
Tl (diss) [mg/L]	< 0.000005	0.000013	< 0.000005
U (diss) [mg/L]	0.000109	0.000171	0.000157
V (diss) [mg/L]	0.00195	0.00192	0.00193
W (diss) [mg/L]	0.00203	0.00230	0.00230
Y (diss) [mg/L]	< 0.00002	0.00002	< 0.00002
Zn (diss) [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

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: EWL0414-JUL24													
Alkalinity	2	mg/L as Ca	< 2			0	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8046-JUL24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	107	75	
Conductivity - QCBatchID: EWL0414-JUL24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0041-JUL24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	80	80	120	89	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0153-JUL24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	103	90	110	105	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	110	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	101	90	110	98	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	103	90	110	102	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	96	90	110	94	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	100	90	110	98	70	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	93	90	110	100	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	101	90	110	102	70	
Calcium (dissolved)	0.01	mg/L	<0.01			ND	20	101	90	110	101	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	105	90	110	96	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	102	90	110	94	70	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	104	90	110	84	70	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	105	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	99	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	97	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			12	20	107	90	110	97	70	
Manganese (dissolved)	0.00001	mg/L	1e-005			1	20	102	90	110	99	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	105	90	110	90	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	106	90	110	94	70	
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	101	90	110	99	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	95	90	110	104	70	
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	95	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	98	90	110	78	70	
Sodium (dissolved)	0.01	mg/L	<0.01			3	20	105	90	110	99	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			ND	20	101	90	110	99	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	101	90	110	97	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	102	90	110	NV	70	

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)	0.0001	mg/L	<0.0001			ND	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	101	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	95	90	110	97	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	106	90	110	102	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	98	70	130
pH - QCBatchID: EWL0414-JUL24													
pH	0.05	No unit	NA			0		100			NA		

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

23-August-2024

Date Rec. : 31 July 2024
LR Report: CA19726-JUL24
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: TIR01C-10030 MS31-ARDG-0 01299-Kwa-s	6: TIR01C-10030 MS31-ARDG-0 01300-Kwa-s	7: TIR01C-10030 MS31-ARDG-0 01301-Kwa-s	8: TIR01C-10030 MS31-ARDG-0 01302-Kwa-s	9: TIR01C-10030 MS31-ARDG-0 01303-Kwa-s	10: TIR01C-10030 MS31-ARDG-0 01304-Kwa-s
Sample Date & Time					22-Jul-24	22-Jul-24	22-Jul-24	23-Jul-24	23-Jul-24	24-Jul-24
Paste pH [no unit]	13-Aug-24	12:30	15-Aug-24	10:07	9.07	9.19	9.13	9.12	8.78	8.91
Fizz Rate [rating]	13-Aug-24	08:38	15-Aug-24	10:07	4	4	4	4	4	4
Sample weight [g]	13-Aug-24	07:43	16-Aug-24	13:32	2.00	2.01	2.00	2.03	2.04	1.99
HCl_add [mL]	14-Aug-24	07:20	16-Aug-24	13:32	40.00	40.00	25.00	131.70	139.00	161.50
HCl [Normality]	13-Aug-24	08:46	16-Aug-24	13:32	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	13-Aug-24	08:46	16-Aug-24	13:32	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14-Aug-24	09:19	16-Aug-24	13:32	23.27	25.91	11.56	47.54	47.80	55.39
Final pH [no unit]	14-Aug-24	08:47	16-Aug-24	13:32	1.62	1.63	1.65	1.56	1.60	1.63
NP [t CaCO3/1000 t]	14-Aug-24	08:45	16-Aug-24	13:32	41.8	35.1	33.6	207	224	267
AP [t CaCO3/1000 t]	14-Aug-24	08:45	16-Aug-24	13:32	6.25	2.19	3.75	3.12	6.88	8.12
Net NP [t CaCO3/1000 t]	14-Aug-24	08:45	16-Aug-24	13:32	35.6	32.9	29.8	204	217	258
NP/AP [ratio]	14-Aug-24	08:45	16-Aug-24	13:32	6.69	16.0	8.96	66.3	32.5	32.8
S [%]	16-Aug-24	09:32	16-Aug-24	12:24	0.284	0.206	0.216	0.136	0.318	0.294
Acid Leachable SO4-S [%]	16-Aug-24	13:14	16-Aug-24	12:24	0.08	0.14	0.10	< 0.04	0.10	< 0.04
Sulphide [%]	16-Aug-24	13:11	16-Aug-24	12:24	0.20	0.07	0.12	0.10	0.22	0.26

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS31-ARDG-0 01299-Kwa-s	6: TIR01C-10030 MS31-ARDG-0 01300-Kwa-s	7: TIR01C-10030 MS31-ARDG-0 01301-Kwa-s	8: TIR01C-10030 MS31-ARDG-0 01302-Kwa-s	9: TIR01C-10030 MS31-ARDG-0 01303-Kwa-s	10: TIR01C-10030 MS31-ARDG-0 01304-Kwa-s
C [%]	16-Aug-24	09:32	19-Aug-24	12:29	0.650	0.533	0.520	2.83	3.16	3.77
CO3 (HCl) as %CO3 [%]	19-Aug-24	07:13	19-Aug-24	12:29	2.78	2.19	2.12	13.6	15.3	18.4

Analysis	11: TIR01C-10030 MS31-ARDG-0 01305-Kwa-s	12: TIR01C-10030 MS31-ARDG-0 01306-Kwa-s
Sample Date & Time	24-Jul-24	24-Jul-24
Paste pH [no unit]	9.00	9.10
Fizz Rate [rating]	4	4
Sample weight [g]	2.01	2.00
HCl_add [mL]	30.00	29.10
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.81	14.36
Final pH [no unit]	1.58	1.58
NP [t CaCO3/1000 t]	37.8	36.8
AP [t CaCO3/1000 t]	6.25	5.62
Net NP [t CaCO3/1000 t]	31.6	31.2
NP/AP [ratio]	6.05	6.54
S [%]	0.353	0.285
Acid Leachable SO4-S [%]	0.15	0.10
Sulphide [%]	0.20	0.18
C [%]	0.636	0.596
CO3 (HCl) as %CO3 [%]	2.70	2.51

ABA - Modified Sobek

$$\begin{aligned}
 & \text{*NP (Neutralization Potential)} \\
 & = 50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added}) \\
 & \text{-----} \\
 & \text{Weight of Sample}
 \end{aligned}$$



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - K0L 2H0

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mel
Works #: sys_loc_code=Waste Rock OP TIR01
Project : PO# 1254179
LR Report : CA19726-JUL24

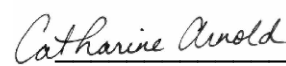
*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*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

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: ECS0039-AUG24													
Carbon (total)	0.005	%	<0.005			1	20				101	70	130
Sulphur (total)	0.005	%	<0.005			1	20				97	70	130
Carbon/Sulphur - QCBatchID: ECS0041-AUG24													
Sulphide	0.04	%	< 0.01			1	20	118	80	120			
Carbon/Sulphur - QCBatchID: ECS0043-AUG24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	102	80	120			

23-August-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 31 July 2024
LR Report: CA19728-JUL24
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: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S31-ARDG-001 299-Kwa-s	6: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S31-ARDG-001 300-Kwa-s	7: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S31-ARDG-001 301-Kwa-s	8: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S31-ARDG-001 302-Kwa-s	9: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S31-ARDG-001 303-Kwa-s
Sample Date & Time					22-Jul-24	22-Jul-24	22-Jul-24	23-Jul-24	23-Jul-24
Sample weight [g]	12-Aug-24	06:23	13-Aug-24	09:28	250	250	250	250	250
Volume D.I. Water [mL]	12-Aug-24	06:47	13-Aug-24	09:28	750	750	750	750	750
pH [no unit]	13-Aug-24	07:43	13-Aug-24	09:28	9.10	9.28	9.17	8.95	9.06
pH [No unit]	13-Aug-24	16:40	14-Aug-24	11:21	8.70	8.74	8.67	7.97	7.81
Conductivity [uS/cm]	13-Aug-24	16:40	22-Aug-24	13:09	316	217	215	179	248
Alkalinity [mg/L as CaCO3]	13-Aug-24	16:40	15-Aug-24	10:31	54	54	49	50	48
SO4 [mg/L]	14-Aug-24	10:56	15-Aug-24	16:06	43	20	24	19	40
Hg (diss) [mg/L]	15-Aug-24	09:57	15-Aug-24	11:33	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.379	0.498	0.491	0.685	0.478
As (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.0311	0.0488	0.0584	0.0065	0.0014
Ba (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.00536	0.00355	0.00336	0.00068	0.00171
B (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.053	0.057	0.053	0.016	0.011
Be (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

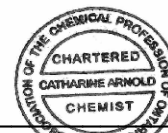
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S31-ARDG-001 299-Kwa-s	6: TIR01C-10030M S31-ARDG-001 300-Kwa-s	7: TIR01C-10030M S31-ARDG-001 301-Kwa-s	8: TIR01C-10030M S31-ARDG-001 302-Kwa-s	9: TIR01C-10030M S31-ARDG-001 303-Kwa-s
Ca (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	9.60	6.75	7.56	9.67	14.2
Cd (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.000005	0.000007	0.000004	0.000004	0.000006
Co (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.000024	0.000061	0.000045	0.000032	0.000016
Cr (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.00031	0.00026	0.00023	< 0.00008	< 0.00008
Cu (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.015	0.033	0.021	< 0.007	< 0.007
K (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	34.3	17.8	16.6	2.92	14.1
Li (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.0011	0.0008	0.0008	0.0030	0.0012
Mg (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	2.52	1.26	1.39	2.30	4.33
Mn (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.00035	0.00033	0.00028	0.00323	0.00461
Mo (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.0059	0.0040	0.0045	0.0077	0.0123
Na (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	26.9	24.7	22.4	20.6	19.4
Ni (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.0002	0.0003	0.0002	< 0.0001	0.0002
Pb (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.0083	0.0065	0.0068	0.0058	0.0016
Se (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.00057	0.00024	0.00022	0.00061	0.00081
Si (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	1.69	1.61	1.51	0.87	0.95
Sn (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.0466	0.0316	0.0333	0.0131	0.0241
Ti (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.0009	0.0018	0.0015	0.0001	0.0001
Tl (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.000020	0.000037	< 0.000005	< 0.000005	0.000006
U (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.000197	0.000078	0.000083	0.000009	0.000021
V (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.00182	0.00215	0.00187	0.00112	0.00076
W (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	0.00228	0.00189	0.00160	0.00156	0.00097
Y (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	< 0.00002	0.00005	0.00004	< 0.00002	< 0.00002
Zn (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:35	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: TIR01C-10030MTIR01C-10030M S31-ARDG-001 304-Kwa-s	11: TIR01C-10030MTIR01C-10030M S31-ARDG-001 305-Kwa-s	12: TIR01C-10030MTIR01C-10030M S31-ARDG-001 306-Kwa-s
Sample Date & Time	24-Jul-24	24-Jul-24	24-Jul-24
Sample weight [g]	250	251	251
Volume D.I. Water [mL]	750	750	750
pH [no unit]	9.06	9.22	9.35
pH [No unit]	7.97	9.07	8.62
Conductivity [uS/cm]	292	237	149
Alkalinity [mg/L as CaCO3]	65	54	52
SO4 [mg/L]	53	27	25
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.450	0.417	0.439
As (diss) [mg/L]	0.0354	0.0262	0.0264
Ba (diss) [mg/L]	0.00038	0.00387	0.00367
B (diss) [mg/L]	0.021	0.050	0.051
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	12.6	8.48	8.43
Cd (diss) [mg/L]	0.000005	0.000005	0.000008
Co (diss) [mg/L]	0.000055	0.000086	0.000073
Cr (diss) [mg/L]	< 0.00008	0.00022	0.00029
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.013	0.016
K (diss) [mg/L]	3.14	15.4	13.9
Li (diss) [mg/L]	0.0021	0.0014	0.0013
Mg (diss) [mg/L]	6.05	1.90	1.92
Mn (diss) [mg/L]	0.00506	0.00028	0.00051
Mo (diss) [mg/L]	0.0052	0.0157	0.0105
Na (diss) [mg/L]	33.7	24.7	23.7
Ni (diss) [mg/L]	0.0003	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	0.00016	0.00019

Analysis	10: TIR01C-10030MTIR01C-10030MTIR01C-10030M S31-ARDG-001 S31-ARDG-001 S31-ARDG-001 304-Kwa-s 305-Kwa-s 306-Kwa-s	11: TIR01C-10030MTIR01C-10030MTIR01C-10030M S31-ARDG-001 S31-ARDG-001 S31-ARDG-001 304-Kwa-s 305-Kwa-s 306-Kwa-s	12: TIR01C-10030MTIR01C-10030MTIR01C-10030M S31-ARDG-001 S31-ARDG-001 S31-ARDG-001 304-Kwa-s 305-Kwa-s 306-Kwa-s
Sb (diss) [mg/L]	0.0035	0.0046	0.0048
Se (diss) [mg/L]	0.00170	0.00037	0.00034
Si (diss) [mg/L]	1.07	1.46	1.50
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0152	0.0434	0.0418
Ti (diss) [mg/L]	< 0.0001	0.0007	0.0008
Tl (diss) [mg/L]	< 0.000005	0.000007	0.000006
U (diss) [mg/L]	0.000061	0.000089	0.000339
V (diss) [mg/L]	0.00093	0.00126	0.00127
W (diss) [mg/L]	0.00156	0.00138	0.00137
Y (diss) [mg/L]	< 0.00002	< 0.00002	0.00003
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



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: EWL0244-AUG24													
Alkalinity	2	mg/L as Ca	< 2			0	20	106	80	120	NA		
Alkalinity - QCBatchID: EWL0274-AUG24													
Alkalinity	2	mg/L as Ca	< 2			ND	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8025-AUG24													
Sulphate	2	mg/L	<2			1	20	103	80	120	103	75	125
Anions by discrete analyzer - QCBatchID: DIO8030-AUG24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	100	75	125
Conductivity - QCBatchID: EWL0244-AUG24													
Conductivity	2	uS/cm	< 2			4	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0251-AUG24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0437-AUG24													
Conductivity	2	uS/cm	< 2			16	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0025-AUG24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	99	80	120	123	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0112-AUG24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	100	90	110	110	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			1	20	97	90	110	94	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	101	90	110	88	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	96	90	110	105	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	98	90	110	91	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	93	70	130
Boron (dissolved)	0.002	mg/L	<0.002			4	20	97	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	99	90	110	100	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	95	90	110	75	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			11	20	106	90	110	101	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	99	90	110	93	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	99	90	110	128	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	95	90	110	103	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			4	20	104	90	110	85	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			3	20	99	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			6	20	102	90	110	99	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	101	90	110	96	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			3	20	101	90	110	95	70	130

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
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	97	90	110	87	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			19	20	100	90	110	80	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			4	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	86	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	98	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	98	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			11	20	96	90	110	94	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			0	20	104	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	99	90	110	94	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			2	20	100	90	110	86	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	108	70	130
pH - QCBatchID: EWL0244-AUG24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0251-AUG24													
pH	0.05	No unit	NA			0		100			NA		



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Agnico Eagle Mines Limited

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Meliadine
, Nunavut
X0C 0A0, Canada

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

23-August-2024

Date Rec. : 31 July 2024
LR Report: CA19729-JUL24
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: TIR01C-10030 MS38-ARDG-0 01290-Kwa-s	6: TIR01C-10030 MS38-ARDG-0 01291-Kwa-s	7: TIR01C-10030 MS38-ARDG-0 01292-Kwa-s	8: TIR01C-10030 MS38-ARDG-0 01293-Kwa-s	9: TIR01C-10030 MS38-ARDG-0 01294-Kwa-s	10: TIR01C-10030 MS38-ARDG-0 01295-Kwa-s
Sample Date & Time					19-Jul-24	19-Jul-24	19-Jul-24	19-Jul-24	20-Jul-24	20-Jul-24
Paste pH [no unit]	15-Aug-24	06:45	15-Aug-24	10:16	9.03	8.60	9.16	9.34	8.84	9.32
Fizz Rate [rating]	13-Aug-24	14:01	15-Aug-24	10:16	3	3	3	3	3	3
Sample weight [g]	15-Aug-24	09:51	19-Aug-24	08:59	2.02	2.00	2.01	2.00	2.02	2.01
HCl_add [mL]	16-Aug-24	14:30	19-Aug-24	08:59	27.10	30.50	28.10	28.50	27.80	20.00
HCl [Normality]	15-Aug-24	15:58	19-Aug-24	08:59	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	15-Aug-24	15:58	19-Aug-24	08:59	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Aug-24	15:53	19-Aug-24	08:59	11.30	12.36	14.86	12.91	8.50	7.83
Final pH [no unit]	16-Aug-24	15:50	19-Aug-24	08:59	1.73	1.73	1.53	1.65	1.91	1.90
NP [t CaCO3/1000 t]	16-Aug-24	17:12	19-Aug-24	08:59	39.1	45.4	32.9	39.0	47.8	30.3
AP [t CaCO3/1000 t]	16-Aug-24	17:12	19-Aug-24	08:59	4.69	7.50	4.38	2.50	6.88	1.25
Net NP [t CaCO3/1000 t]	16-Aug-24	17:12	19-Aug-24	08:59	34.4	37.9	28.5	36.5	40.9	29.0
NP/AP [ratio]	16-Aug-24	17:12	19-Aug-24	08:59	8.34	6.05	7.52	15.6	6.95	24.2
S [%]	16-Aug-24	09:32	16-Aug-24	12:24	0.211	0.314	0.206	0.233	0.300	0.177
Acid Leachable SO4-S [%]	16-Aug-24	13:15	16-Aug-24	12:24	0.06	0.07	0.07	0.15	0.08	0.14
Sulphide [%]	16-Aug-24	13:11	16-Aug-24	12:24	0.15	0.24	0.14	0.08	0.22	0.04

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS38-ARDG-0 01290-Kwa-s	6: TIR01C-10030 MS38-ARDG-0 01291-Kwa-s	7: TIR01C-10030 MS38-ARDG-0 01292-Kwa-s	8: TIR01C-10030 MS38-ARDG-0 01293-Kwa-s	9: TIR01C-10030 MS38-ARDG-0 01294-Kwa-s	10: TIR01C-10030 MS38-ARDG-0 01295-Kwa-s
C [%]	16-Aug-24	09:32	19-Aug-24	12:29	0.632	0.721	0.537	0.629	0.727	0.513
CO3 (HCl) as %CO3 [%]	19-Aug-24	07:13	19-Aug-24	12:29	2.61	3.14	2.21	2.45	3.15	1.99

Analysis	11: TIR01C-10030 MS38-ARDG-0 01296-Kwa-s	12: TIR01C-10030 MS38-ARDG-0 01297-Kwa-s	13: TIR01C-10030 MS38-ARDG-0 01298-Kwa-s
Sample Date & Time	20-Jul-24	20-Jul-24	20-Jul-24
Paste pH [no unit]	9.39	9.47	9.37
Fizz Rate [rating]	3	4	4
Sample weight [g]	2.00	2.01	2.00
HCl_add [mL]	28.80	33.00	40.00
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	11.39	10.80	19.12
Final pH [no unit]	1.78	1.85	1.51
NP [t CaCO3/1000 t]	43.5	55.2	52.2
AP [t CaCO3/1000 t]	1.88	5.00	5.00
Net NP [t CaCO3/1000 t]	41.6	50.2	47.2
NP/AP [ratio]	23.2	11.0	10.4
S [%]	0.155	0.306	0.316
Acid Leachable SO4-S [%]	0.10	0.15	0.16
Sulphide [%]	0.06	0.16	0.16
C [%]	0.679	0.807	0.771
CO3 (HCl) as %CO3 [%]	2.91	3.55	3.35

ABA - Modified Sobek

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

Weight of Sample



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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19729-JUL24

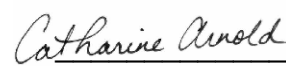
*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*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

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: ECS0039-AUG24													
Carbon (total)	0.005	%	<0.005			1	20				101	70	13
Sulphur (total)	0.005	%	<0.005			1	20				97	70	13
Carbon/Sulphur - QCBatchID: ECS0041-AUG24													
Sulphide	0.04	%	< 0.01			1	20	118	80	120			
Carbon/Sulphur - QCBatchID: ECS0043-AUG24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	102	80	120			

**SGS Canada Inc.**

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

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Works #: Waste Rock OP TIR01

Project : PO#1254179

23-August-2024

Agnico Eagle Mines Limited

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Date Rec. : 31 July 2024

LR Report: CA19727-JUL24

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: TIR01C-10030M S31-ARDG-0012 99-Kwa-s	6: TIR01C-10030M S31-ARDG-0013 00-Kwa-s	7: TIR01C-10030M S31-ARDG-0013 01-Kwa-s	8: TIR01C-10030M S31-ARDG-0013 02-Kwa-s	9: TIR01C-10030M S31-ARDG-0013 03-Kwa-s
Sample Date & Time					22-Jul-24	22-Jul-24	22-Jul-24	23-Jul-24	23-Jul-24
Ag [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	64000	68000	64000	69000	68000
As [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	140	61	77	52	28
Ba [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	530	660	690	100	120
Be [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	1.2	1.4	1.5	0.39	0.42
Bi [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.22	0.17	0.17	< 0.09	< 0.09
Ca [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	13000	13000	12000	79000	84000
Cd [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.08	0.09	0.07	0.10	0.13
Co [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	22	22	22	54	49
Cr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	67	62	74	95	110
Cu [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	64	48	48	110	95
Fe [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	44000	51000	50000	79000	73000
K [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	19000	22000	23000	3700	4600
Li [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	33	43	44	74	60
Mg [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	13000	16000	15000	23000	22000
Mn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	290	340	320	2000	2300
Mo [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	2.3	2.1	2.3	4.0	0.7
Ni [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	71	77	77	110	110
P [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	490	540	510	270	260
Pb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	8	8	8	5	5
Sb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.3	0.3	0.3	0.4	0.5
Sn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	230	240	230	120	110
Ti [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	3800	3700	3500	3600	3700
Tl [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.45	0.50	0.52	0.20	0.25
U [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	1.00	1.69	1.68	0.088	0.13
V [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	97	110	110	260	240
Y [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	4.2	6.1	5.8	7.8	7.3
Zn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	66	79	73	110	110

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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

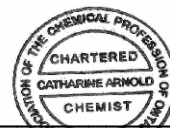
LR Report : CA19727-JUL24

Analysis	10: TIR01C-10030M S31-ARDG-0013 04-Kwa-s	11: TIR01C-10030M S31-ARDG-0013 05-Kwa-s	12: TIR01C-10030M S31-ARDG-0013 06-Kwa-s
Sample Date & Time	24-Jul-24	24-Jul-24	24-Jul-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	63000	57000	57000
As [µg/g]	95	1000	390
Ba [µg/g]	71	720	740
Be [µg/g]	0.47	1.4	1.5
Bi [µg/g]	< 0.09	0.31	0.37
Ca [µg/g]	82000	11000	10000
Cd [µg/g]	0.19	0.07	0.06
Co [µg/g]	38	19	22
Cr [µg/g]	200	72	71
Cu [µg/g]	96	59	36
Fe [µg/g]	67000	52000	46000
K [µg/g]	4900	21000	22000
Li [µg/g]	55	40	43
Mg [µg/g]	21000	15000	15000
Mn [µg/g]	2200	260	250
Mo [µg/g]	1.0	2.1	2.5
Ni [µg/g]	110	69	71
P [µg/g]	250	450	490
Pb [µg/g]	6	60	66
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.5	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	130	240	240
Ti [µg/g]	3700	2900	3100
Tl [µg/g]	0.21	0.54	0.56
U [µg/g]	0.13	1.56	1.60
V [µg/g]	220	95	95
Y [µg/g]	5.7	5.1	5.1
Zn [µg/g]	120	75	76

Bulk Metals Suite

Catharine Arnold

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Project Specialist,
Environment, Health & Safety



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: EMS0126-AUG24													
Calcium	3	µg/g	<3			2		102			81		
Phosphorus	3	µg/g	<3			4		99			90		
Potassium	3	µg/g	<3			3		103			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0126-AUG24													
Aluminum	3	µg/g	<3			2	20	102	70	130	77	70	130
Antimony	0.8	µg/g	<0.8			ND	20	96	70	130	85	70	130
Arsenic	0.5	µg/g	<0.5			6	20	105	70	130	95	70	130
Barium	0.01	µg/g	<0.01			5	20	102	70	130	92	70	130
Beryllium	0.02	µg/g	<0.02			3	20	107	70	130	90	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			10	20	107	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			0	20	108	70	130	88	70	130
Cobalt	0.01	µg/g	<0.01			1	20	107	70	130	95	70	130
Copper	0.1	µg/g	<0.1			0	20	102	70	130	102	70	130
Iron	3	µg/g	<3			4	20	103	70	130	97	70	130
Lead	0.05	µg/g	<0.05			18	20	102	70	130	102	70	130
Lithium	2	µg/g	<2			5	20	102	70	130	99	70	130
Magnesium	3	µg/g	<3			1	20	106	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			1	20	105	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	102	70	130	106	70	130
Nickel	0.1	µg/g	<0.1			4	20	108	70	130	110	70	130
Selenium	0.1	µg/g	<0.1			15	20	104	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	104	70	130	93	70	130
Thallium	0.02	µg/g	<0.02			3	20	97	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	99	70	130	95	70	130
Uranium	0.002	µg/g	<0.002			4	20	102	70	130	92	70	130
Vanadium	1	µg/g	<1			6	20	109	70	130	103	70	130
Yttrium	0.004	µg/g	<0.004			2	20	109	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	108	70	130	103	70	130



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

SFE 3:1 ratio 24hr (MEND) prefilter pH
Works #: Waste Rock OP TIR01
Project : PO#1254179

23-August-2024

Date Rec. : 31 July 2024
LR Report: CA19731-JUL24
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: TIR01C-10030M S38-ARDG-001 290-Kwa-s	6: TIR01C-10030M S38-ARDG-001 291-Kwa-s	7: TIR01C-10030M S38-ARDG-001 292-Kwa-s	8: TIR01C-10030M S38-ARDG-001 293-Kwa-s	9: TIR01C-10030M S38-ARDG-001 294-Kwa-s
Sample Date & Time					19-Jul-24	19-Jul-24	19-Jul-24	19-Jul-24	20-Jul-24
Sample weight [g]	12-Aug-24	06:23	13-Aug-24	09:28	250	249	251	251	250
Volume D.I. Water [mL]	12-Aug-24	06:47	13-Aug-24	09:28	750	750	750	750	750
pH [no unit]	13-Aug-24	07:43	13-Aug-24	09:28	9.12	8.95	9.40	9.53	9.21
pH [No unit]	13-Aug-24	16:40	15-Aug-24	12:00	7.85	8.03	8.22	9.04	8.26
Conductivity [uS/cm]	13-Aug-24	16:40	14-Aug-24	11:22	288	299	222	211	235
Alkalinity [mg/L as CaCO3]	13-Aug-24	16:40	15-Aug-24	14:41	40	42	49	59	40
SO4 [mg/L]	14-Aug-24	10:56	15-Aug-24	19:20	55	63	38	24	38
Hg (diss) [mg/L]	15-Aug-24	09:57	15-Aug-24	11:33	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.443	0.417	0.555	0.408	0.534
As (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.0080	0.0101	0.0516	0.0681	0.0071
Ba (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.00271	0.00334	0.00219	0.00380	0.00336
B (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.015	0.015	0.012	0.061	0.015
Be (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030MTIR01C-10030M S38-ARDG-001 290-Kwa-s	6: TIR01C-10030MTIR01C-10030M S38-ARDG-001 291-Kwa-s	7: TIR01C-10030MTIR01C-10030M S38-ARDG-001 292-Kwa-s	8: TIR01C-10030MTIR01C-10030M S38-ARDG-001 293-Kwa-s	9: TIR01C-10030MTIR01C-10030M S38-ARDG-001 294-Kwa-s
Ca (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	11.8	13.4	8.46	6.18	10.8
Cd (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.000003	0.000006	0.000004	0.000008	0.000005
Co (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.000014	0.000018	0.000024	0.000117	0.000020
Cr (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	< 0.00008	< 0.00008	< 0.00008	0.00039	0.00008
Cu (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	< 0.007	< 0.007	< 0.007	0.063	< 0.007
K (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	19.6	21.1	18.9	14.9	18.1
Li (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.0010	0.0011	0.0009	0.0010	0.0009
Mg (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	4.07	4.63	2.40	1.57	3.35
Mn (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.00125	0.00154	0.00114	0.00123	0.00099
Mo (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.0062	0.0046	0.0058	0.0076	0.0049
Na (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	27.1	25.3	22.2	25.5	37.2
Ni (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.0001	0.0005	0.0001	0.0004	0.0001
Pb (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	< 0.00009	< 0.00009	< 0.00009	0.00010	< 0.00009
Sb (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.0016	0.0015	0.0042	0.0049	0.0015
Se (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.00059	0.00059	0.00056	0.00063	0.00033
Si (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	1.55	1.51	1.48	1.97	1.51
Sn (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.0546	0.0610	0.0458	0.0305	0.0584
Ti (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.0001	< 0.0001	< 0.0001	0.0030	< 0.0001
Tl (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.000012	0.000013	0.000007	0.000075	0.000009
U (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.000156	0.000193	0.000102	0.000194	0.000079
V (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.00133	0.00116	0.00226	0.00270	0.00156
W (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:34	0.0019	0.0019	0.0048	0.0044	0.0023
Y (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:33	< 0.00002	< 0.00002	< 0.00002	0.00010	< 0.00002
Zn (diss) [mg/L]	15-Aug-24	12:57	18-Aug-24	18:33	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

SFE 3:1 ratio 24hr (MEND) prefilter pH
Works #: Waste Rock OP TIR01

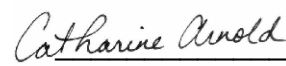
Project : PO#1254179

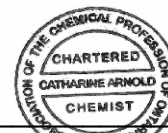
LR Report : CA19731-JUL24

Analysis	10: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 295-Kwa-s 296-Kwa-s 297-Kwa-s 298-Kwa-s 298-Kwa-s	11: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 295-Kwa-s 296-Kwa-s 297-Kwa-s 298-Kwa-s 298-Kwa-s	12: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 295-Kwa-s 296-Kwa-s 297-Kwa-s 298-Kwa-s 298-Kwa-s	13: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 295-Kwa-s 296-Kwa-s 297-Kwa-s 298-Kwa-s 298-Kwa-s	14: TIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030MTIR01C-10030M S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 S38-ARDG-001 295-Kwa-s 296-Kwa-s 297-Kwa-s 298-Kwa-s 298-Kwa-s	15:BLK: \$D.I. Leachate Blank
Sample Date & Time	20-Jul-24	20-Jul-24	20-Jul-24	20-Jul-24		
Sample weight [g]	249	250	250	250	251	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.34	9.64	9.58	9.59	9.57	5.65
pH [No unit]	8.89	9.37	9.05	9.12	9.19	5.38
Conductivity [uS/cm]	187	186	193	194	180	< 2
Alkalinity [mg/L as CaCO3]	58	62	59	61	60	< 2
SO4 [mg/L]	20	14	18	16	16	< 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]	0.438	0.524	0.458	0.436	0.480	< 0.001
As (diss) [mg/L]	0.0693	0.230	0.0250	0.0315	0.0319	< 0.0002
Ba (diss) [mg/L]	0.00325	0.00345	0.00292	0.00212	0.00295	< 0.00008
B (diss) [mg/L]	0.060	0.063	0.048	0.051	0.052	< 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]	6.12	4.87	5.82	5.70	5.82	< 0.01
Cd (diss) [mg/L]	0.000005	0.000003	0.000008	0.000009	0.000006	< 0.000003
Co (diss) [mg/L]	0.000098	0.000207	0.000047	0.000049	0.000082	< 0.000004
Cr (diss) [mg/L]	0.00041	0.00047	0.00027	0.00020	0.00033	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.043	0.077	0.018	0.012	0.029	< 0.007
K (diss) [mg/L]	15.1	15.5	13.9	14.0	13.8	0.010
Li (diss) [mg/L]	0.0010	0.0010	0.0011	0.0011	0.0011	< 0.0001
Mg (diss) [mg/L]	1.45	1.32	1.64	1.42	1.44	0.003
Mn (diss) [mg/L]	0.00044	0.00079	0.00035	0.00025	0.00042	< 0.00001
Mo (diss) [mg/L]	0.0059	0.0043	0.0210	0.0057	0.0116	< 0.0004
Na (diss) [mg/L]	23.7	20.2	20.8	21.2	22.0	< 0.01
Ni (diss) [mg/L]	0.0005	0.0005	0.0003	0.0003	0.0004	< 0.0001
Pb (diss) [mg/L]	0.00009	0.00016	< 0.00009	< 0.00009	< 0.00009	< 0.00009

Analysis	10: TIR01C-10030MTIR01C-10030M S38-ARDG-001 295-Kwa-s	11: TIR01C-10030MTIR01C-10030M S38-ARDG-001 296-Kwa-s	12: TIR01C-10030MTIR01C-10030M S38-ARDG-001 297-Kwa-s	13: TIR01C-10030MTIR01C-10030M S38-ARDG-001 298-Kwa-s	14: TIR01C-10030MTIR01C-10030M S38-ARDG-001 298-Kwa-s	15:BLK: \$D.I. Leachate Blank
Sb (diss) [mg/L]	0.0053	0.0063	0.0054	0.0052	0.0053	< 0.0009
Se (diss) [mg/L]	0.00029	0.00045	0.00038	0.00035	0.00035	< 0.00004
Si (diss) [mg/L]	1.86	2.05	1.94	1.83	1.88	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0246	0.0199	0.0246	0.0231	0.0229	< 0.00008
Ti (diss) [mg/L]	0.0018	0.0033	0.0016	0.0006	0.0019	< 0.0001
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000029	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000129	0.000324	0.000497	0.000355	0.000355	0.000004
V (diss) [mg/L]	0.00256	0.00494	0.00338	0.00328	0.00331	< 0.00001
W (diss) [mg/L]	0.0019	0.0049	0.0041	0.0037	0.0038	< 0.0002
Y (diss) [mg/L]	0.00008	0.00008	0.00008	0.00002	0.00008	< 0.00002
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



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: EWL0244-AUG24													
Alkalinity	2	mg/L as Ca	< 2			0	20	106	80	120	NA		
Alkalinity - QCBatchID: EWL0274-AUG24													
Alkalinity	2	mg/L as Ca	< 2			ND	20	106	80	120	NA		
Alkalinity - QCBatchID: EWL0299-AUG24													
Alkalinity	2	mg/L as Ca	< 2			3	20	126	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8025-AUG24													
Sulphate	2	mg/L	<2			1	20	103	80	120	103	75	125
Anions by discrete analyzer - QCBatchID: DIO8029-AUG24													
Sulphate	2	mg/L	<2			ND	20	102	80	120	100	75	125
Anions by discrete analyzer - QCBatchID: DIO8030-AUG24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	100	75	125
Conductivity - QCBatchID: EWL0244-AUG24													
Conductivity	2	uS/cm	< 2			4	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0251-AUG24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0025-AUG24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	99	80	120	123	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0112-AUG24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	100	90	110	110	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			1	20	97	90	110	94	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	101	90	110	88	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	96	90	110	105	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	98	90	110	91	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	93	70	130
Boron (dissolved)	0.002	mg/L	<0.002			4	20	97	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	99	90	110	100	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	95	90	110	75	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			11	20	106	90	110	101	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	99	90	110	93	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	99	90	110	128	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	95	90	110	103	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			4	20	104	90	110	85	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			3	20	99	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			6	20	102	90	110	99	70	130

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
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	101	90	110	96	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			3	20	101	90	110	95	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	97	90	110	87	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			19	20	100	90	110	80	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			4	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	86	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	98	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	98	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			11	20	96	90	110	94	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			0	20	104	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	99	90	110	94	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			2	20	100	90	110	86	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	108	70	130
pH - QCBatchID: EWL0244-AUG24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0251-AUG24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

23-August-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555

Fax: (819) 759-3663

Date Rec. : 31 July 2024

LR Report: CA19730-JUL24

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: TIR01C-10030M S38-ARDG-0012 90-Kwa-s	6: TIR01C-10030M S38-ARDG-0012 91-Kwa-s	7: TIR01C-10030M S38-ARDG-0012 92-Kwa-s	8: TIR01C-10030M S38-ARDG-0012 93-Kwa-s	9: TIR01C-10030M S38-ARDG-0012 94-Kwa-s
Sample Date & Time					19-Jul-24	19-Jul-24	19-Jul-24	19-Jul-24	20-Jul-24
Ag [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	59000	59000	58000	60000	55000
As [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	15	24	36	46	11
Ba [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	630	660	590	750	590
Be [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	1.3	1.3	1.3	1.4	1.3
Bi [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.15	0.15	0.27	0.26	0.13
Ca [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	11000	12000	11000	12000	13000
Cd [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.13	0.12	0.12	0.09	0.20
Co [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	22	22	25	24	20
Cr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	76	75	85	88	80
Cu [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	53	48	51	44	39
Fe [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	37000	39000	39000	40000	34000
K [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	22000	21000	21000	18000	19000
Li [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	41	41	43	37	36
Mg [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	15000	15000	15000	13000	13000
Mn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	290	300	330	310	320
Mo [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	2.4	2.5	2.6	3.4	2.1
Ni [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	76	77	81	73	68
P [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	500	480	470	450	430
Pb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	9	11	16	13	13
Sb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.3	0.3	0.3	0.3	0.2
Sn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	250	250	270	270	270
Ti [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	900	950	920	2400	1000
Tl [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.58	0.57	0.49	0.46	0.50
U [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	1.5	1.6	1.1	1.6	1.2
V [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	95	98	99	83	80
Y [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	5.6	5.9	4.1	5.1	5.2
Zn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	81	81	83	76	78

SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0
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Works #: Waste Rock OP TIR01

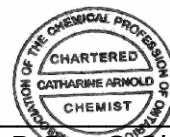
Project : PO#1254179

LR Report : CA19730-JUL24

Analysis	10: TIR01C-10030M S38-ARDG-0012 95-Kwa-s	11: TIR01C-10030M S38-ARDG-0012 96-Kwa-s	12: TIR01C-10030M S38-ARDG-0012 97-Kwa-s	13: TIR01C-10030M S38-ARDG-0012 98-Kwa-s
Sample Date & Time	20-Jul-24	20-Jul-24	20-Jul-24	20-Jul-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	54000	50000	53000	51000
As [µg/g]	79	49	26	19
Ba [µg/g]	570	620	590	560
Be [µg/g]	1.4	1.4	1.2	1.1
Bi [µg/g]	0.28	0.24	0.17	0.16
Ca [µg/g]	9400	12000	15000	15000
Cd [µg/g]	0.13	0.13	0.15	0.27
Co [µg/g]	28	24	22	19
Cr [µg/g]	110	110	77	74
Cu [µg/g]	51	50	36	40
Fe [µg/g]	41000	38000	34000	31000
K [µg/g]	20000	20000	18000	17000
Li [µg/g]	45	42	33	31
Mg [µg/g]	16000	15000	12000	12000
Mn [µg/g]	320	350	410	390
Mo [µg/g]	2.6	2.4	2.7	2.3
Ni [µg/g]	89	80	68	64
P [µg/g]	460	420	410	420
Pb [µg/g]	20	15	10	12
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.2	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	230	230	290	280
Ti [µg/g]	1100	1600	1200	1200
Tl [µg/g]	0.51	0.51	0.45	0.45
U [µg/g]	1.6	1.7	1.1	1.0
V [µg/g]	100	98	78	72
Y [µg/g]	4.5	4.6	3.7	3.6
Zn [µg/g]	91	81	74	72

Bulk Metals Suite

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



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: EMS0126-AUG24													
Calcium	3	µg/g	<3			2		102			81		
Phosphorus	3	µg/g	<3			4		99			90		
Potassium	3	µg/g	<3			3		103			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0126-AUG24													
Aluminum	3	µg/g	<3			2	20	102	70	130	77	70	130
Antimony	0.8	µg/g	<0.8			ND	20	96	70	130	85	70	130
Arsenic	0.5	µg/g	<0.5			6	20	105	70	130	95	70	130
Barium	0.01	µg/g	<0.01			5	20	102	70	130	92	70	130
Beryllium	0.02	µg/g	<0.02			3	20	107	70	130	90	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			10	20	107	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			0	20	108	70	130	88	70	130
Cobalt	0.01	µg/g	<0.01			1	20	107	70	130	95	70	130
Copper	0.1	µg/g	<0.1			0	20	102	70	130	102	70	130
Iron	3	µg/g	<3			4	20	103	70	130	97	70	130
Lead	0.05	µg/g	<0.05			18	20	102	70	130	102	70	130
Lithium	2	µg/g	<2			5	20	102	70	130	99	70	130
Magnesium	3	µg/g	<3			1	20	106	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			1	20	105	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	102	70	130	106	70	130
Nickel	0.1	µg/g	<0.1			4	20	108	70	130	110	70	130
Selenium	0.1	µg/g	<0.1			15	20	104	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	104	70	130	93	70	130
Thallium	0.02	µg/g	<0.02			3	20	97	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	99	70	130	95	70	130
Uranium	0.002	µg/g	<0.002			4	20	102	70	130	92	70	130
Vanadium	1	µg/g	<1			6	20	109	70	130	103	70	130
Yttrium	0.004	µg/g	<0.004			2	20	109	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	108	70	130	103	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

30-July-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. : 22 July 2024
 LR Report: CA19845-JUL24
 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-001273 -TIR01D-1003 5MS25-Mv	6: ARDG-001274 -TIR01D-1003 5MS25-Mv	7: ARDG-001275 -TIR01D-1003 5MS25-Mv
Sample Date & Time					08-Jul-24	08-Jul-24	09-Jul-24
Paste pH [no unit]	25-Jul-24	13:44	26-Jul-24	09:34	9.14	9.12	8.99
Fizz Rate [rating]	24-Jul-24	13:53	26-Jul-24	09:34	4	4	4
Sample weight [g]	24-Jul-24	13:16	26-Jul-24	09:34	2.04	2.03	2.00
HCl_add [mL]	25-Jul-24	15:07	26-Jul-24	09:34	120.00	140.00	140.00
HCl [Normality]	24-Jul-24	16:27	26-Jul-24	09:34	0.10	0.10	0.10
NaOH [Normality]	24-Jul-24	16:27	26-Jul-24	09:34	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25-Jul-24	17:32	26-Jul-24	09:34	27.39	50.53	44.41
Final pH [no unit]	25-Jul-24	16:30	26-Jul-24	09:34	1.87	1.58	1.63
NP [t CaCO3/1000 t]	25-Jul-24	17:32	26-Jul-24	09:34	227	220	239
AP [t CaCO3/1000 t]	30-Jul-24	14:06	30-Jul-24	14:06	5.62	6.25	4.06
Net NP [t CaCO3/1000 t]	30-Jul-24	14:06	30-Jul-24	14:06	221	214	235
NP/AP [ratio]	30-Jul-24	14:06	30-Jul-24	14:06	40.4	35.3	58.8
S [%]	29-Jul-24	15:05	30-Jul-24	14:06	0.196	0.229	0.153
Acid Leachable SO4-S [%]	30-Jul-24	14:00	30-Jul-24	14:06	< 0.04	< 0.04	< 0.04
Sulphide [%]	30-Jul-24	13:32	30-Jul-24	14:06	0.18	0.20	0.13
C [%]	29-Jul-24	15:05	30-Jul-24	10:57	2.96	2.91	3.12
CO3 (HCl) as %CO3 [%]	30-Jul-24	10:10	30-Jul-24	10:57	14.5	14.2	15.3

Analysis	8: ARDG-001276 -TIR01D-1003 5MS25-Kwa-s	9: ARDG-001277 -TIR01D-1003 5MS25-Kwa-s	10: ARDG-001278 -TIR01D-1003 5MS25-Kcs-w a	11: ARDG-001279 -TIR01D-1003 5MS25-Kwa-s	12: ARDG-001280 -TIR01D-1003 5MS25-Kcs-w a	13: ARDG-001281 -TIR01D-1003 5MS25-Kcs-w a
Sample Date & Time	10-Jul-24	11-Jul-24	12-Jul-24	13-Jul-24	13-Jul-24	13-Jul-24
Paste pH [no unit]	9.28	9.17	8.55	9.01	8.94	8.96
Fizz Rate [rating]	3	3	4	3	4	4
Sample weight [g]	2.03	2.03	2.00	2.04	2.00	2.01
HCl_add [mL]	27.70	47.40	59.00	30.20	140.00	140.00

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-001276	ARDG-001277	ARDG-001278	ARDG-001279	ARDG-001280	ARDG-001281
	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003
	5MS25-Kwa-s	5MS25-Kwa-s	5MS25-Kcs-w	5MS25-Kwa-s	5MS25-Kcs-w	5MS25-Kcs-w
			a		a	a
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]	13.92	24.48	26.57	14.14	47.50	67.82
Final pH [no unit]	1.76	1.53	1.68	1.83	1.67	1.62
NP [t CaCO3/1000 t]	33.9	56.5	81.1	39.4	231	180
AP [t CaCO3/1000 t]	4.38	8.12	3.75	15.0	5.00	5.00
Net NP [t CaCO3/1000 t]	29.5	48.4	77.4	24.4	226	174
NP/AP [ratio]	7.75	6.95	21.6	2.63	46.2	35.9
S [%]	0.199	0.333	0.133	0.548	0.207	0.201
Acid Leachable SO4-S [%]	0.06	0.07	< 0.04	0.07	0.05	0.04
Sulphide [%]	0.14	0.26	0.12	0.48	0.16	0.16
C [%]	0.528	0.921	1.29	0.699	3.04	3.03
CO3 (HCl) as %CO3 [%]	2.24	4.04	6.08	2.83	14.8	14.8

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

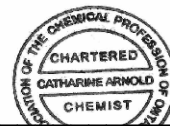
NP/AP Ratio = NP/AP

*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



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		
<i>Carbon/Sulphur - QCBatchID: ECS0094-JUL24</i>												
Carbon (total)	0.005	%	<0.005			1	20				100	70 130
Sulphur (total)	0.005	%	<0.005			6	20				98	70 130
<i>Carbon/Sulphur - QCBatchID: ECS0097-JUL24</i>												
Carbonate (HCl) as %CO ₃	0.04	%	<0.04			2	20	95	80	120		
<i>Carbon/Sulphur - QCBatchID: ECS0098-JUL24</i>												
Sulphide	0.04	%	< 0.01			9	20	119	80	120		

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

31-July-2024

Agnico Eagle Mines Limited

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Date Rec. : 22 July 2024

LR Report: CA19846-JUL24

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 ARDG-001273-T Completed IR01D-10035MS Time	5: Analysis ARDG-001274-T Completed IR01D-10035MS 25-Mv	6: Analysis ARDG-001275-T Completed IR01D-10035MS 25-Mv	7: Analysis ARDG-001275-T Completed IR01D-10035MS 25-Mv
Sample Date & Time					08-Jul-24	08-Jul-24	09-Jul-24
Ag [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	69000	69000	67000
As [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	19	16	7.2
Ba [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	81	90	49
Be [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.31	0.35	0.32
Bi [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	< 0.09	< 0.09	< 0.09
Ca [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	83000	81000	90000
Cd [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.12	0.10	0.12
Co [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	43	43	41
Cr [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	130	140	110
Cu [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	75	85	105
Fe [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	64000	65000	62000
K [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	2800	3100	2000
Li [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	80	82	76
Mg [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	20000	20000	19000
Mn [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	1600	1600	1700
Mo [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.9	0.3	0.9
Ni [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	110	110	110
P [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	250	230	240
Pb [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	4	3	3
Sb [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	< 0.8	< 0.8	< 0.8
Se [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.4	0.4	0.4
Sn [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	< 6	< 6	< 6
Sr [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	140	140	120
Ti [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	470	450	410
Tl [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.09	0.10	0.06
U [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.064	0.063	0.038
V [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	200	200	190
Y [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	14	15	12
Zn [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	93	95	92

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-001276-T	ARDG-001277-T	ARDG-001278-T	ARDG-001279-T	ARDG-001280-T	ARDG-001281-T
	IR01D-10035MS	IR01D-10035MS	IR01D-10035MS	IR01D-10035MS	IR01D-10035MS	IR01D-10035MS
	25-Kwa-s	25-Kwa-s	25-Kcs-wa	25-Kwa-s	25-Kcs-wa	25-Kcs-wa
Sample Date & Time	10-Jul-24	11-Jul-24	12-Jul-24	13-Jul-24	13-Jul-24	13-Jul-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	34000	53000	51000	55000	62000	59000
As [µg/g]	52	210	19	200	25	25
Ba [µg/g]	420	1500	450	1100	54	49
Be [µg/g]	1.0	1.5	1.1	1.6	0.46	0.42
Bi [µg/g]	0.15	0.21	< 0.09	0.30	< 0.09	< 0.09
Ca [µg/g]	7800	13000	26000	10000	79000	75000
Cd [µg/g]	0.09	0.14	0.07	0.11	0.10	0.09
Co [µg/g]	17	21	6.6	18	42	42
Cr [µg/g]	79	75	35	67	98	100
Cu [µg/g]	41	40	13	69	74	75
Fe [µg/g]	31000	40000	150000	41000	72000	70000
K [µg/g]	15000	26000	10000	30000	4700	4500
Li [µg/g]	34	41	26	40	66	63
Mg [µg/g]	10000	15000	9000	13000	23000	21000
Mn [µg/g]	210	350	490	270	1400	1400
Mo [µg/g]	1.6	3.6	1.8	2.9	0.4	0.8
Ni [µg/g]	61	64	14	53	110	110
P [µg/g]	410	430	730	400	250	230
Pb [µg/g]	11	43	9	24	4	3
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.1	0.2	< 0.1	0.3	0.4	0.4
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	190	260	300	230	260	240
Ti [µg/g]	920	1700	1500	1300	630	560
Tl [µg/g]	0.39	0.69	0.20	0.73	0.15	0.14
U [µg/g]	0.43	1.70	0.88	1.87	0.056	0.049
V [µg/g]	72	87	29	70	190	180
Y [µg/g]	2.6	5.8	5.9	4.6	7.5	8.1
Zn [µg/g]	73	81	44	80	93	89

Bulk Metals Suite



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

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: EMS0239-JUL24													
Calcium	3	µg/g	<3			0		101			73		
Phosphorus	3	µg/g	<3			1		108			81		
Potassium	3	µg/g	<3			1		107			86		
Metals - Microwave/ICP-MS - QCBatchID: EMS0239-JUL24													
Aluminum	3	µg/g	<3			0	20	104	70	130	74	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	78	70	130
Arsenic	0.5	µg/g	<0.5			1	20	100	70	130	91	70	130
Barium	0.01	µg/g	<0.01			0	20	93	70	130	95	70	130
Beryllium	0.02	µg/g	<0.02			1	20	101	70	130	79	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	92	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	104	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	99	70	130	72	70	130
Cobalt	0.01	µg/g	<0.01			0	20	100	70	130	82	70	130
Copper	0.1	µg/g	<0.1			1	20	104	70	130	91	70	130
Iron	3	µg/g	<3			1	20	95	70	130	89	70	130
Lead	0.05	µg/g	<0.05			3	20	90	70	130	92	70	130
Lithium	2	µg/g	<2			2	20	96	70	130	96	70	130
Magnesium	3	µg/g	<3			1	20	106	70	130	85	70	130
Manganese	0.1	µg/g	<0.1			1	20	102	70	130	81	70	130
Molybdenum	0.1	µg/g	<0.1			ND	20	95	70	130	100	70	130
Nickel	0.1	µg/g	<0.1			1	20	103	70	130	97	70	130
Selenium	0.1	µg/g	<0.1			1	20	98	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	101	70	130	91	70	130
Thallium	0.02	µg/g	<0.02			ND	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	94	70	130	71	70	130
Uranium	0.002	µg/g	<0.002			13	20	97	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	102	70	130	86	70	130
Yttrium	0.004	µg/g	<0.004			2	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	101	70	130	94	70	130



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

21-August-2024

Date Rec. : 22 July 2024
LR Report: CA19847-JUL24
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-001273- TIR01D-10035M S25-Mv	6: ARDG-001274- TIR01D-10035M S25-Mv	7: ARDG-001275- TIR01D-10035M S25-Mv	8: ARDG-001276- TIR01D-10035M S25-Kwa-s
Sample Date & Time					08-Jul-24	08-Jul-24	09-Jul-24	10-Jul-24
Sample weight [g]	13-Aug-24	13:15	15-Aug-24	09:29	250	249	250	250
Volume D.I. Water [mL]	14-Aug-24	06:30	15-Aug-24	09:29	750	750	750	750
pH [no unit]	15-Aug-24	06:17	15-Aug-24	09:29	9.25	9.43	9.09	9.24
pH [No unit]	15-Aug-24	15:09	16-Aug-24	10:42	8.52	8.29	7.98	9.12
Conductivity [uS/cm]	15-Aug-24	15:09	16-Aug-24	10:42	225	262	158	200
Alkalinity [mg/L as CaCO3]	15-Aug-24	15:09	16-Aug-24	10:42	56	55	40	58
SO4 [mg/L]	15-Aug-24	14:54	15-Aug-24	16:07	17	23	8	22
Hg (diss) [mg/L]	16-Aug-24	16-Aug-24	19-Aug-24	08:50	0.00001	0.00001	< 0.00001	0.00001
Ag (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	1.02	0.880	0.932	0.479
As (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0018	0.0022	0.0008	0.0799
Ba (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00056	0.00067	0.00029	0.00342
B (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.027	0.030	0.013	0.049
Be (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.000007	< 0.000007	< 0.000007	< 0.000007

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001273- TIR01D-10035M S25-Mv	6: ARDG-001274- TIR01D-10035M S25-Mv	7: ARDG-001275- TIR01D-10035M S25-Mv	8: ARDG-001276- TIR01D-10035M S25-Kwa-s
Bi (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	4.33	5.10	7.84	6.64
Cd (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.000004	< 0.000003	< 0.000003	0.000007
Co (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.000022	0.000023	0.000043	0.000087
Cr (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00009	< 0.00008	< 0.00008	0.00037
Cu (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.007	< 0.007	< 0.007	0.032
K (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	4.80	5.44	2.22	14.8
Li (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0005	0.0006	0.0006	0.0011
Mg (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.675	0.976	1.16	1.90
Mn (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00051	0.00055	0.00121	0.00040
Mo (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0083	0.0021	0.0049	0.0097
Na (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	35.4	40.0	19.9	21.2
Ni (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.0001	< 0.0001	< 0.0001	0.0004
Pb (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0009	0.0011	< 0.0009	0.0043
Se (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00076	0.00085	0.00018	0.00038
Si (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	1.06	1.05	0.82	1.90
Sn (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0108	0.0137	0.0135	0.0286
Ti (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0001	< 0.0001	< 0.0001	0.0020
Tl (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.000004	0.000007	0.000003	0.000159
V (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00343	0.00296	0.00148	0.00299
W (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00092	0.00099	0.00063	0.00270
Y (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.00002	< 0.00002	< 0.00002	0.00006
Zn (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.002	< 0.002	< 0.002	< 0.002



SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19847-JUL24

Analysis	9: ARDG-001277- TIR01D-10035M S25-Kwa-s	10: ARDG-001278- TIR01D-10035M S25-Kcs-wa	11: ARDG-001279- TIR01D-10035M S25-Kwa-s	12: ARDG-001280- TIR01D-10035M S25-Kcs-wa	13: ARDG-001281- TIR01D-10035M S25-Kcs-wa
Sample Date & Time	11-Jul-24	12-Jul-24	13-Jul-24	13-Jul-24	13-Jul-24
Sample weight [g]	251	249	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.02	9.39	8.99	9.00	9.10
pH [No unit]	9.15	9.17	7.92	8.09	8.25
Conductivity [uS/cm]	245	201	307	166	164
Alkalinity [mg/L as CaCO3]	63	57	41	51	52
SO4 [mg/L]	25	22	74	15	15
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]	0.429	0.525	0.423	0.527	0.532
As (diss) [mg/L]	0.0710	0.0869	0.0433	0.0044	0.0045
Ba (diss) [mg/L]	0.00546	0.00406	0.00571	0.00050	0.00047
B (diss) [mg/L]	0.043	0.050	0.015	0.012	0.012
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]	8.28	6.53	17.3	10.6	10.6
Cd (diss) [mg/L]	0.000009	< 0.000003	0.000004	< 0.000003	0.000307
Co (diss) [mg/L]	0.000047	0.000118	0.000037	0.000013	0.000012
Cr (diss) [mg/L]	0.00028	0.00044	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.012	0.047	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	22.6	14.1	26.6	4.89	4.86
Li (diss) [mg/L]	0.0011	0.0011	0.0012	0.0007	0.0006
Mg (diss) [mg/L]	2.66	1.82	5.30	3.23	3.16
Mn (diss) [mg/L]	0.00012	0.00016	0.00270	0.00172	0.00162
Mo (diss) [mg/L]	0.0182	0.0051	0.0057	0.0019	0.0053
Na (diss) [mg/L]	21.3	21.6	16.1	14.3	13.7

Analysis	9: ARDG-001277- TIR01D-10035M S25-Kwa-s	10: ARDG-001278- TIR01D-10035M S25-Kcs-wa	11: ARDG-001279- TIR01D-10035M S25-Kwa-s	12: ARDG-001280- TIR01D-10035M S25-Kcs-wa	13: ARDG-001281- TIR01D-10035M S25-Kcs-wa
Ni (diss) [mg/L]	0.0001	0.0003	0.0002	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	0.00011	< 0.00009	< 0.00009	0.00032
Sb (diss) [mg/L]	0.0059	0.0041	0.0038	0.0016	0.0018
Se (diss) [mg/L]	0.00030	0.00035	0.00056	0.00074	0.00076
Si (diss) [mg/L]	1.64	2.01	1.41	0.87	0.85
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0466	0.0282	0.0978	0.0436	0.0433
Ti (diss) [mg/L]	0.0013	0.0036	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000192	0.000171	0.000324	0.000003	0.000004
V (diss) [mg/L]	0.00180	0.00310	0.00059	0.00068	0.00067
W (diss) [mg/L]	0.00311	0.00276	0.00203	0.00072	0.00069
Y (diss) [mg/L]	0.00004	0.00007	< 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



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

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: EWL0315-AUG24													
Alkalinity	2	mg/L as Ca	< 2			3	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8030-AUG24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	100	75	125
Conductivity - QCBatchID: EWL0315-AUG24													
Conductivity	2	uS/cm	< 2			1	20	101	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0032-AUG24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	102	80	120	119	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0148-AUG24													
Aluminum (dissolved)	0.001	mg/L	<0.001			7	20	102	90	110	74	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	99	90	110	99	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	88	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			4	20	100	90	110	95	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	92	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	101	90	110	97	70	130
Boron (dissolved)	0.002	mg/L	<0.002			7	20	101	90	110	100	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	96	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	101	90	110	94	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	105	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	93	90	110	88	70	130
Copper (dissolved)	0.001	mg/L	<0.001			12	20	98	90	110	91	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	98	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			18	20	107	90	110	94	70	130
Magnesium (dissolved)	0.001	mg/L	0.001			2	20	103	90	110	94	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	99	90	110	91	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	101	90	110	86	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	94	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			4	20	101	90	110	96	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	100	90	110	83	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	76	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			3	20	100	90	110	94	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	97	90	110	95	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	102	90	110	100	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	99	90	110	90	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			9	20	98	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	93	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	102	70	130
pH - QCBatchID: EWL0315-AUG24													
pH	0.05	No unit	NA			1		99			NA		

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

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30-July-2024

Date Rec. : 22 July 2024

LR Report: CA19851-JUL24

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: TIR01C-10030 MS36-ARDG-0 01282-Kwa-s	6: TIR01C-10030 MS36-ARDG-0 01283-Kwa-s	7: TIR01C-10030 MS36-ARDG-0 01284-Kwa-s
Sample Date & Time					15-Jul-24	15-Jul-24	15-Jul-24
Paste pH [no unit]	25-Jul-24	10:11	26-Jul-24	12:03	9.34	9.37	9.02
Fizz Rate [rating]	25-Jul-24	09:30	26-Jul-24	12:03	3	3	4
Sample weight [g]	25-Jul-24	09:30	26-Jul-24	12:03	2.01	2.01	2.01
HCl_add [mL]	26-Jul-24	08:39	26-Jul-24	12:03	25.00	20.00	40.00
HCl [Normality]	25-Jul-24	09:30	26-Jul-24	12:03	0.10	0.10	0.10
NaOH [Normality]	25-Jul-24	09:30	26-Jul-24	12:03	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	26-Jul-24	09:35	26-Jul-24	12:03	12.89	9.97	16.28
Final pH [no unit]	26-Jul-24	09:30	26-Jul-24	12:03	1.53	1.76	1.70
NP [t CaCO ₃ /1000 t]	26-Jul-24	09:30	26-Jul-24	12:03	30.1	24.9	59.0
AP [t CaCO ₃ /1000 t]	30-Jul-24	14:07	30-Jul-24	14:07	4.38	4.38	14.4
Net NP [t CaCO ₃ /1000 t]	30-Jul-24	14:07	30-Jul-24	14:07	25.7	20.5	44.6
NP/AP [ratio]	30-Jul-24	14:07	30-Jul-24	14:07	6.88	5.69	4.10
S [%]	29-Jul-24	15:05	30-Jul-24	14:07	0.214	0.211	0.602
Acid Leachable SO ₄ -S [%]	30-Jul-24	14:01	30-Jul-24	14:07	0.07	0.07	0.14
Sulphide [%]	30-Jul-24	13:32	30-Jul-24	14:07	0.14	0.14	0.46
C [%]	29-Jul-24	15:05	30-Jul-24	10:57	0.431	0.348	0.932
CO ₃ (HCl) as %CO ₃ [%]	30-Jul-24	10:10	30-Jul-24	10:57	1.81	1.37	4.13

Analysis	8: TIR01C-10030 MS36-ARDG-0 01285-Kwa-s	9: TIR01C-10030 MS36-ARDG-0 01286-Kwa-s	10: TIR01C-10030 MS36-ARDG-0 01287-Kwa-s	11: TIR01C-10030 MS36-ARDG-0 01288-Kwa-s	12: TIR01C-10030 MS36-ARDG-0 01289-Kwa-s
Sample Date & Time	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24
Paste pH [no unit]	9.38	9.20	9.34	9.49	9.51
Fizz Rate [rating]	4	4	4	4	4
Sample weight [g]	2.02	2.00	1.99	2.02	2.03
HCl_add [mL]	40.00	40.00	40.00	40.00	40.00

Analysis	8:	9:	10:	11:	12:
	TIR01C-10030	TIR01C-10030	TIR01C-10030	TIR01C-10030	TIR01C-10030
	MS36-ARDG-0	MS36-ARDG-0	MS36-ARDG-0	MS36-ARDG-0	MS36-ARDG-0
	01285-Kwa-s	01286-Kwa-s	01287-Kwa-s	01288-Kwa-s	01289-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]	20.66	21.59	25.57	23.97	24.34
Final pH [no unit]	1.53	1.53	1.50	1.51	1.52
NP [t CaCO3/1000 t]	47.9	46.0	36.2	39.7	38.6
AP [t CaCO3/1000 t]	6.25	6.88	4.06	4.06	4.06
Net NP [t CaCO3/1000 t]	41.6	39.1	32.1	35.6	34.5
NP/AP [ratio]	7.66	6.69	8.91	9.77	9.50
S [%]	0.258	0.244	0.191	0.196	0.185
Acid Leachable SO4-S [%]	0.06	< 0.04	0.06	0.07	0.06
Sulphide [%]	0.20	0.22	0.13	0.13	0.13
C [%]	0.782	0.694	0.573	0.568	0.559
CO3 (HCl) as %CO3 [%]	3.49	3.19	2.38	2.50	2.46

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

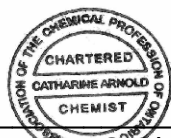
*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*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

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: ECS0094-JUL24													
Carbon (total)	0.005	%	<0.005			1	20				100	70	13
Sulphur (total)	0.005	%	<0.005			6	20				98	70	13
Carbon/Sulphur - QCBatchID: ECS0097-JUL24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	95	80	120			
Carbon/Sulphur - QCBatchID: ECS0098-JUL24													
Sulphide	0.04	%	< 0.01			9	20	119	80	120			

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

21-August-2024

Date Rec. : 22 July 2024
LR Report: CA19853-JUL24
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: TIR01C-10030M S36-ARDG-0012 82-Kwa-s	6: TIR01C-10030M S36-ARDG-0012 83-Kwa-s	7: TIR01C-10030M S36-ARDG-0012 84-Kwa-s
Sample Date & Time					15-Jul-24	15-Jul-24	15-Jul-24
Sample weight [g]	13-Aug-24	13:15	15-Aug-24	09:29	249	251	250
Volume D.I. Water [mL]	14-Aug-24	06:30	15-Aug-24	09:29	750	750	750
pH [no unit]	15-Aug-24	06:17	15-Aug-24	09:29	9.38	9.26	8.82
pH [No unit]	15-Aug-24	15:09	16-Aug-24	10:43	9.22	9.06	8.11
Conductivity [uS/cm]	15-Aug-24	15:09	16-Aug-24	10:43	204	204	350
Alkalinity [mg/L as CaCO3]	15-Aug-24	15:09	16-Aug-24	10:43	55	53	43
SO4 [mg/L]	15-Aug-24	14:54	15-Aug-24	16:07	26	28	90
Hg (diss) [mg/L]	16-Aug-24	16-Aug-24	19-Aug-24	08:50	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.530	0.486	0.436
As (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0488	0.0477	0.0108
Ba (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00318	0.00295	0.00604
B (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.049	0.046	0.013
Be (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.00001	< 0.00001	< 0.00001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S36-ARDG-0012 82-Kwa-s	6: TIR01C-10030M S36-ARDG-0012 83-Kwa-s	7: TIR01C-10030M S36-ARDG-0012 84-Kwa-s
Ca (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	6.45	7.08	22.2
Cd (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.000006	0.000004	0.000003
Co (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.000084	0.000063	0.000041
Cr (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00055	0.00039	< 0.00008
Cu (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.047	0.032	< 0.007
K (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	14.3	14.3	17.1
Li (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0011	0.0013	0.0034
Mg (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	1.32	1.44	7.64
Mn (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00026	0.00020	0.00399
Mo (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0070	0.0051	0.0066
Na (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	21.8	20.9	22.0
Ni (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0003	0.0004	0.0002
Pb (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0050	0.0049	0.0028
Se (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00024	0.00028	0.00143
Si (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	1.91	1.85	1.42
Sn (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00010	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0238	0.0268	0.115
Ti (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0026	0.0017	< 0.0001
Tl (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.000005	< 0.000005	0.000007
U (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.000136	0.000114	0.00138
V (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00301	0.00271	0.00081
W (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.0027	0.0024	0.0033
Y (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	0.00014	0.00013	< 0.00002
Zn (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:50	< 0.002	< 0.002	< 0.002



SGS Canada Inc.

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

mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19853-JUL24

Analysis	8: TIR01C-10030M S36-ARDG-0012 85-Kwa-s	9: TIR01C-10030M S36-ARDG-0012 86-Kwa-s	10: TIR01C-10030M S36-ARDG-0012 87-Kwa-s	11: TIR01C-10030M S36-ARDG-0012 88-Kwa-s	12: TIR01C-10030M S36-ARDG-0012 89-Kwa-s	13: TIR01C-10030M S36-ARDG-0012 89-Kwa-s	14:BLK: SD.I. Leachate Blank
Sample Date & Time	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24		
Sample weight [g]	251	251	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750
pH [no unit]	9.37	9.17	9.20	9.32	9.30	9.28	5.65
pH [No unit]	8.20	8.36	9.04	9.17	9.19	9.03	6.52
Conductivity [uS/cm]	221	285	254	196	203	201	< 2
Alkalinity [mg/L as CaCO3]	51	45	58	62	65	59	2
SO4 [mg/L]	39	35	30	16	16	16	< 2
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]	0.566	0.593	0.456	0.643	0.565	0.520	< 0.001
As (diss) [mg/L]	0.115	0.0718	0.0748	0.0851	0.0880	0.0890	< 0.0002
Ba (diss) [mg/L]	0.00271	0.00383	0.00322	0.00511	0.00418	0.00371	< 0.00008
B (diss) [mg/L]	0.011	0.013	0.047	0.060	0.052	0.063	< 0.002
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]	9.04	10.9	7.82	5.13	5.24	5.27	< 0.01
Cd (diss) [mg/L]	0.000009	0.000008	0.000004	< 0.000003	0.000005	0.000004	< 0.000003
Co (diss) [mg/L]	0.000037	0.000021	0.000045	0.000197	0.000147	0.000119	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	0.00032	0.00064	0.00059	0.00055	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	0.019	0.097	0.071	0.061	< 0.007
K (diss) [mg/L]	16.9	17.6	17.5	12.1	12.4	12.4	0.014
Li (diss) [mg/L]	0.0010	0.0010	0.0011	0.0012	0.0011	0.0012	< 0.0001
Mg (diss) [mg/L]	3.36	3.66	2.13	1.22	1.20	1.22	0.001
Mn (diss) [mg/L]	0.00084	0.00096	0.00011	0.00059	0.00053	0.00040	< 0.00001
Mo (diss) [mg/L]	0.0214	0.0063	0.0051	0.0045	0.0047	0.0049	0.0009
Na (diss) [mg/L]	18.0	26.3	27.5	23.1	24.0	22.8	0.01
Ni (diss) [mg/L]	< 0.0001	0.0001	0.0002	0.0004	0.0003	0.0003	< 0.0001



SGS Canada Inc.

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19853-JUL24

Analysis	8: TIR01C-10030M S36-ARDG-0012 85-Kwa-s	9: TIR01C-10030M S36-ARDG-0012 86-Kwa-s	10: TIR01C-10030M S36-ARDG-0012 87-Kwa-s	11: TIR01C-10030M S36-ARDG-0012 88-Kwa-s	12: TIR01C-10030M S36-ARDG-0012 89-Kwa-s	13: TIR01C-10030M S36-ARDG-0012 89-Kwa-s	14:BLK: SD.I. Leachate Blank
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00014	0.00011	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0041	0.0030	0.0052	0.0052	0.0053	0.0052	< 0.0009
Se (diss) [mg/L]	0.00063	0.00081	0.00033	0.00024	0.00018	0.00024	< 0.00004
Si (diss) [mg/L]	1.71	1.54	1.70	2.50	2.30	2.29	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0441	0.0662	0.0333	0.0202	0.0206	0.0199	< 0.00008
Ti (diss) [mg/L]	0.0002	< 0.0001	0.0014	0.0047	0.0041	0.0030	< 0.0001
Tl (diss) [mg/L]	< 0.000005	0.000011	< 0.000005	< 0.000005	0.000013	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000424	0.000125	0.000111	0.000368	0.000356	0.000303	< 0.000002
V (diss) [mg/L]	0.00252	0.00185	0.00238	0.00424	0.00406	0.00410	< 0.00001
W (diss) [mg/L]	0.0058	0.0035	0.0024	0.0037	0.0039	0.0039	< 0.0002
Y (diss) [mg/L]	0.00004	< 0.00002	0.00006	0.00018	0.00013	0.00013	< 0.00002
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

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

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: EWL0315-AUG24													
Alkalinity	2	mg/L as Ca	< 2			3	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8030-AUG24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	100	75	
Conductivity - QCBatchID: EWL0315-AUG24													
Conductivity	2	uS/cm	< 2			1	20	101	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0032-AUG24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	102	80	120	119	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0148-AUG24													
Aluminum (dissolved)	0.001	mg/L	<0.001			7	20	102	90	110	74	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	99	90	110	99	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	88	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			4	20	100	90	110	95	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	92	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	101	90	110	97	70	
Boron (dissolved)	0.002	mg/L	<0.002			7	20	101	90	110	100	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	96	70	
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	101	90	110	94	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	105	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	93	90	110	88	70	
Copper (dissolved)	0.001	mg/L	<0.001			12	20	98	90	110	91	70	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	98	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	98	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			18	20	107	90	110	94	70	
Magnesium (dissolved)	0.001	mg/L	0.001			2	20	103	90	110	94	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	99	90	110	91	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	101	90	110	86	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	94	70	
Potassium (dissolved)	0.009	mg/L	<0.009			4	20	101	90	110	96	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	100	90	110	83	70	
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	97	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	76	70	
Sodium (dissolved)	0.01	mg/L	<0.01			3	20	100	90	110	94	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	97	90	110	95	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	102	90	110	100	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	

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)	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	99	90	110	90	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			9	20	98	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	93	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	102	70	130
pH - QCBatchID: EWL0315-AUG24													
pH	0.05	No unit	NA			1		99			NA		



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
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

23-August-2024

Date Rec. : 22 July 2024
LR Report: CA19852-JUL24
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S36-ARDG-0012 82-Kwa-s	6: TIR01C-10030M S36-ARDG-0012 83-Kwa-s	7: TIR01C-10030M S36-ARDG-0012 84-Kwa-s	8: TIR01C-10030M S36-ARDG-0012 85-Kwa-s	9: TIR01C-10030M S36-ARDG-0012 86-Kwa-s	10: TIR01C-10030M S36-ARDG-0012 87-Kwa-s	11: TIR01C-10030M S36-ARDG-0012 88-Kwa-s	12: TIR01C-10030M S36-ARDG-0012 89-Kwa-s
Sample Date & Time					15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24
Ag [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	60000	58000	62000	66000	63000	60000	64000	65000
As [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	38	44	160	76	53	130	30	31
Ba [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	560	530	580	780	720	530	750	740
Be [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	1.2	1.2	1.0	1.2	1.1	1.2	1.1	1.1
Bi [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.20	0.16	0.25	0.20	0.23	0.20	0.15	0.15
Ca [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	9300	8000	19000	13000	13000	9700	12000	13000
Cd [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.11	0.11	0.15	0.13	0.15	0.12	0.13	0.13
Co [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	23	24	23	21	22	24	20	20
Cr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	140	170	120	130	160	96	88	83
Cu [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	49	49	61	51	49	57	52	48
Fe [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	42000	42000	35000	34000	31000	41000	33000	33000
K [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	19000	19000	14000	17000	16000	20000	15000	16000
Li [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	46	45	25	31	27	44	34	35
Mg [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	16000	16000	11000	13000	12000	16000	12000	12000
Mn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	350	310	380	350	340	350	310	310
Mo [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	1.8	2.1	3.5	2.6	1.5	2.1	1.9	2.3
Ni [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	84	83	62	69	61	82	64	66
P [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	460	440	420	420	390	480	400	410
Pb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	12	11	18	14	14	12	11	10

Online LIMS



SGS Canada Inc.

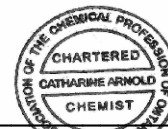
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19852-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S36-ARDG-0012 82-Kwa-s	6: TIR01C-10030M S36-ARDG-0012 83-Kwa-s	7: TIR01C-10030M S36-ARDG-0012 84-Kwa-s	8: TIR01C-10030M S36-ARDG-0012 85-Kwa-s	9: TIR01C-10030M S36-ARDG-0012 86-Kwa-s	10: TIR01C-10030M S36-ARDG-0012 87-Kwa-s	11: TIR01C-10030M S36-ARDG-0012 88-Kwa-s	12: TIR01C-10030M S36-ARDG-0012 89-Kwa-s
Sb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.2
Sn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	230	220	370	360	350	250	340	340
Ti [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	860	840	1900	910	1300	850	710	740
Tl [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	0.47	0.47	0.35	0.46	0.40	0.50	0.38	0.40
U [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	1.7	1.7	1.9	1.5	1.5	1.7	1.1	1.0
V [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	110	120	81	90	79	100	74	77
Y [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	4.5	4.1	5.5	5.6	5.6	4.6	5.1	5.0
Zn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:46	90	93	84	87	80	96	82	81

Bulk Metals Suite

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



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: EMS0126-AUG24													
Calcium	3	µg/g	<3			2		102			81		
Phosphorus	3	µg/g	<3			4		99			90		
Potassium	3	µg/g	<3			3		103			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0126-AUG24													
Aluminum	3	µg/g	<3			2	20	102	70	130	77	70	130
Antimony	0.8	µg/g	<0.8			ND	20	96	70	130	85	70	130
Arsenic	0.5	µg/g	<0.5			6	20	105	70	130	95	70	130
Barium	0.01	µg/g	<0.01			5	20	102	70	130	92	70	130
Beryllium	0.02	µg/g	<0.02			3	20	107	70	130	90	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			10	20	107	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			0	20	108	70	130	88	70	130
Cobalt	0.01	µg/g	<0.01			1	20	107	70	130	95	70	130
Copper	0.1	µg/g	<0.1			0	20	102	70	130	102	70	130
Iron	3	µg/g	<3			4	20	103	70	130	97	70	130
Lead	0.05	µg/g	<0.05			18	20	102	70	130	102	70	130
Lithium	2	µg/g	<2			5	20	102	70	130	99	70	130
Magnesium	3	µg/g	<3			1	20	106	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			1	20	105	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	102	70	130	106	70	130
Nickel	0.1	µg/g	<0.1			4	20	108	70	130	110	70	130
Selenium	0.1	µg/g	<0.1			15	20	104	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	104	70	130	93	70	130
Thallium	0.02	µg/g	<0.02			3	20	97	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	99	70	130	95	70	130
Uranium	0.002	µg/g	<0.002			4	20	102	70	130	92	70	130
Vanadium	1	µg/g	<1			6	20	109	70	130	103	70	130
Yttrium	0.004	µg/g	<0.004			2	20	109	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	108	70	130	103	70	130

Agnico Eagle Mines Limited

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, Nunavut
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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

23-August-2024

Date Rec. : 09 August 2024
LR Report: CA19034-AUG24
Reference: Meliadine - PO#1380289

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: TIR01C-10030 MS40-ARDG-0 01307-Kwa-s	6: TIR01C-10030 MS40-ARDG-0 01308-Kwa-s	7: TIR01C-10030 MS40-ARDG-0 01309-Kwa-s	8: TIR01C-10030 MS40-ARDG-0 01310-Kwa-s	9: TIR01C-10030 MS40-ARDG-0 01311-Kwa-s	10: TIR01C-10030 MS40-ARDG-0 01312-Kwa-s
Sample Date & Time					30-Jul-24	30-Jul-24	30-Jul-24	30-Jul-24	31-Jul-24	03-Aug-24
Paste pH [no unit]	13-Aug-24	12:30	15-Aug-24	10:08	9.38	9.33	9.22	9.26	9.24	9.17
Fizz Rate [rating]	13-Aug-24	08:38	15-Aug-24	10:08	4	4	4	4	4	4
Sample weight [g]	13-Aug-24	07:43	15-Aug-24	10:08	2.02	2.02	2.04	2.01	2.01	2.00
HCl_add [mL]	14-Aug-24	07:20	15-Aug-24	10:08	40.00	40.00	40.00	40.00	40.00	40.00
HCl [Normality]	13-Aug-24	08:46	15-Aug-24	10:08	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	13-Aug-24	08:46	15-Aug-24	10:08	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14-Aug-24	09:19	15-Aug-24	10:08	26.86	26.07	23.59	23.66	23.20	25.28
Final pH [no unit]	14-Aug-24	08:47	15-Aug-24	10:08	1.61	1.50	1.55	1.55	1.58	1.53
NP [t CaCO3/1000 t]	14-Aug-24	08:47	15-Aug-24	10:08	32.5	34.5	40.2	40.6	41.8	36.8
AP [t CaCO3/1000 t]	14-Aug-24	08:47	23-Aug-24	09:03	4.69	4.69	4.06	4.38	5.31	5.00
Net NP [t CaCO3/1000 t]	14-Aug-24	08:47	23-Aug-24	09:03	27.8	29.8	36.1	36.2	36.5	31.8
NP/AP [ratio]	14-Aug-24	08:47	23-Aug-24	09:03	6.93	7.36	9.90	9.28	7.87	7.36
S [%]	19-Aug-24	13:36	22-Aug-24	14:25	0.189	0.201	0.185	0.197	0.226	0.213
Acid Leachable SO4-S [%]	21-Aug-24	07:21	22-Aug-24	14:25	< 0.04	0.05	0.06	0.06	0.06	0.05
Sulphide [%]	21-Aug-24	07:20	22-Aug-24	14:25	0.15	0.15	0.13	0.14	0.17	0.16

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS40-ARDG-0 01307-Kwa-s	6: TIR01C-10030 MS40-ARDG-0 01308-Kwa-s	7: TIR01C-10030 MS40-ARDG-0 01309-Kwa-s	8: TIR01C-10030 MS40-ARDG-0 01310-Kwa-s	9: TIR01C-10030 MS40-ARDG-0 01311-Kwa-s	10: TIR01C-10030 MS40-ARDG-0 01312-Kwa-s
C [%]	19-Aug-24	13:36	20-Aug-24	12:48	0.521	0.520	0.678	0.704	0.692	0.622
CO3 (HCl) as %CO3 [%]	20-Aug-24	10:26	20-Aug-24	12:48	2.06	2.11	2.80	2.71	2.90	2.61

Analysis	11: TIR01C-10030 MS40-ARDG-0 01313-Kwa-s	12: TIR01C-10030 MS40-ARDG-0 01314-Kwa-s	13: TIR01C-10030 MS40-ARDG-0 01315-Kwa-s
Sample Date & Time	03-Aug-24	03-Aug-24	03-Aug-24
Paste pH [no unit]	9.32	9.21	9.21
Fizz Rate [rating]	4	4	4
Sample weight [g]	2.00	2.04	2.01
HCl_add [mL]	40.00	40.00	40.00
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25.66	23.84	22.54
Final pH [no unit]	1.50	1.57	1.64
NP [t CaCO3/1000 t]	35.8	39.6	43.4
AP [t CaCO3/1000 t]	4.06	4.38	4.38
Net NP [t CaCO3/1000 t]	31.7	35.2	39.0
NP/AP [ratio]	8.81	9.05	9.92
S [%]	0.180	0.200	0.196
Acid Leachable SO4-S [%]	0.05	0.06	0.06
Sulphide [%]	0.13	0.14	0.14
C [%]	0.572	0.690	0.674
CO3 (HCl) as %CO3 [%]	2.27	2.82	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



SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19034-AUG24

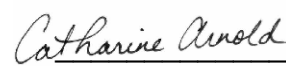
*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*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

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

23-August-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 09 August 2024

LR Report: CA19035-AUG24

Reference: Meliadine - PO#1380289

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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: TIR01C-10030M S40-ARDG-0013 07-Kwa-s	6: TIR01C-10030M S40-ARDG-0013 08-Kwa-s	7: TIR01C-10030M S40-ARDG-0013 09-Kwa-s	8: TIR01C-10030M S40-ARDG-0013 10-Kwa-s	9: TIR01C-10030M S40-ARDG-0013 11-Kwa-s
Sample Date & Time					30-Jul-24	30-Jul-24	30-Jul-24	30-Jul-24	31-Jul-24
Ag [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	58000	62000	57000	55000	61000
As [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	82	55	170	120	66
Ba [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	560	790	670	650	1100
Be [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	1.2	1.3	1.4	1.4	1.6
Bi [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	0.20	0.27	0.24	0.23	0.84
Ca [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	9400	10000	11000	11000	11000
Cd [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	0.13	0.10	0.12	0.14	0.11
Co [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	24	26	24	24	24
Cr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	88	85	95	110	120
Cu [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	52	50	54	52	56
Fe [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	39000	40000	43000	42000	42000
K [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	18000	20000	23000	22000	22000
Li [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	41	41	45	44	41
Mg [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	15000	16000	17000	17000	16000
Mn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	340	350	370	370	350
Mo [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	2.2	1.7	2.2	1.9	2.3
Ni [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	81	79	89	89	83
P [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	450	440	460	510	670
Pb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	16	18	20	23	53
Sb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	0.3	0.3	0.2	0.3	0.4
Sn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	270	300	240	230	330
Ti [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	810	840	990	990	1800
Tl [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	0.44	0.49	0.55	0.55	0.56
U [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	1.4	1.7	1.8	1.8	1.8
V [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	99	100	110	110	110
Y [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	4.3	5.0	4.4	4.6	5.8
Zn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	90	90	97	96	95

SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01

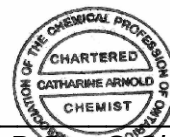
Project : PO#1380289

LR Report : CA19035-AUG24

Analysis	10: TIR01C-10030M S40-ARDG-0013 12-Kwa-s	11: TIR01C-10030M S40-ARDG-0013 13-Kwa-s	12: TIR01C-10030M S40-ARDG-0013 14-Kwa-s	13: TIR01C-10030M S40-ARDG-0013 15-Kwa-s
Sample Date & Time	03-Aug-24	03-Aug-24	03-Aug-24	03-Aug-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	58000	59000	57000	57000
As [µg/g]	100	43	73	84
Ba [µg/g]	1100	560	630	620
Be [µg/g]	1.6	1.3	1.3	1.2
Bi [µg/g]	0.34	0.26	0.23	0.23
Ca [µg/g]	10000	10000	10000	10000
Cd [µg/g]	0.11	0.10	0.08	0.11
Co [µg/g]	24	23	21	23
Cr [µg/g]	120	130	88	93
Cu [µg/g]	55	53	55	53
Fe [µg/g]	42000	40000	36000	38000
K [µg/g]	21000	19000	19000	19000
Li [µg/g]	42	42	33	34
Mg [µg/g]	16000	15000	14000	15000
Mn [µg/g]	360	360	320	320
Mo [µg/g]	2.0	2.5	1.9	2.5
Ni [µg/g]	84	81	73	76
P [µg/g]	490	460	430	460
Pb [µg/g]	67	32	20	21
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.3	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	340	280	270	270
Ti [µg/g]	1900	910	1000	1100
Tl [µg/g]	0.54	0.47	0.47	0.47
U [µg/g]	1.9	1.5	1.6	1.5
V [µg/g]	110	100	87	91
Y [µg/g]	4.7	4.5	4.7	4.4
Zn [µg/g]	98	94	86	90

Bulk Metals Suite

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





SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

23-August-2024

Date Rec. : 09 August 2024
LR Report: CA19036-AUG24
Reference: Meliadine - PO#1380289

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: TIR01C-10030 MS40-ARDG-0 01307-Kwa-s	6: TIR01C-10030 MS40-ARDG-0 01308-Kwa-s	7: TIR01C-10030 MS40-ARDG-0 01309-Kwa-s	8: TIR01C-10030 MS40-ARDG-0 01310-Kwa-s	9: TIR01C-10030 MS40-ARDG-0 01311-Kwa-s	10: TIR01C-10030 MS40-ARDG-0 01312-Kwa-s
Sample Date & Time					30-Jul-24	30-Jul-24	30-Jul-24	30-Jul-24	31-Jul-24	03-Aug-24
Sample weight [g]	13-Aug-24	13:15	15-Aug-24	09:29	250	250	251	250	249	249
Volume D.I. Water [mL]	14-Aug-24	06:30	15-Aug-24	09:29	750	750	750	750	750	750
pH [no unit]	15-Aug-24	06:17	15-Aug-24	09:29	9.22	9.08	9.14	9.09	9.07	8.93
pH [No unit]	15-Aug-24	15:09	16-Aug-24	10:41	9.16	9.07	9.09	9.06	8.51	9.01
Conductivity [uS/cm]	15-Aug-24	15:09	16-Aug-24	10:41	162	201	197	194	224	256
Alkalinity [mg/L as CaCO3]	15-Aug-24	15:09	16-Aug-24	10:41	60	67	69	69	62	69
SO4 [mg/L]	15-Aug-24	14:54	15-Aug-24	16:04	13	22	13	11	19	23
Hg (diss) [mg/L]	16-Aug-24	16-Aug-24	19-Aug-24	08:48	0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.557	0.531	0.491	0.469	0.608	0.425
As (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.0696	0.0500	0.0593	0.0589	0.0344	0.124
Ba (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.00266	0.00405	0.00301	0.00299	0.00365	0.00549
B (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.047	0.049	0.050	0.059	0.014	0.056
Be (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00005	< 0.00001

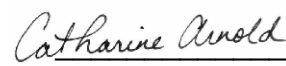
Online LIMS

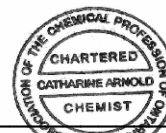
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS40-ARDG-0 01307-Kwa-s	6: TIR01C-10030 MS40-ARDG-0 01308-Kwa-s	7: TIR01C-10030 MS40-ARDG-0 01309-Kwa-s	8: TIR01C-10030 MS40-ARDG-0 01310-Kwa-s	9: TIR01C-10030 MS40-ARDG-0 01311-Kwa-s	10: TIR01C-10030 MS40-ARDG-0 01312-Kwa-s
Ca (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	6.13	7.27	6.65	6.00	7.95	8.46
Cd (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	< 0.000003	0.000003	0.000005	0.000003	0.000005	0.000004
Co (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.000045	0.000039	0.000029	0.000034	0.000020	0.000028
Cr (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.00034	0.00037	0.00027	0.00039	< 0.00008	0.00034
Cu (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.027	0.027	0.013	0.019	< 0.007	0.015
K (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	11.2	16.5	16.1	16.4	22.0	18.3
Li (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.0010	0.0011	0.0010	0.0009	0.0008	0.0010
Mg (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	1.38	1.87	1.71	1.64	2.60	2.52
Mn (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.00013	0.00016	< 0.00001	0.00016	0.00066	0.00019
Mo (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.0038	0.0046	0.0066	0.0037	0.0066	0.0071
Na (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	17.0	18.9	19.3	20.0	17.4	26.4
Ni (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003
Pb (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.00012	0.00012	< 0.00009	0.00010	< 0.00009	0.00010
Sb (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.0058	0.0057	0.0067	0.0067	0.0062	0.0081
Se (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.00024	0.00042	0.00014	0.00015	0.00039	0.00037
Si (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	1.76	1.68	1.53	1.71	1.49	1.70
Sn (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	< 0.00006	< 0.00006	0.00007	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.0229	0.0321	0.0263	0.0234	0.0516	0.0453
Ti (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.0016	0.0012	0.0010	0.0015	0.0001	0.0013
Tl (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.000203	0.000125	0.000153	0.000221	0.000133	0.000188
V (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.00310	0.00258	0.00220	0.00241	0.00178	0.00197
W (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.00247	0.00204	0.00153	0.00186	0.00231	0.00196
Y (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	0.00004	0.00010	0.00006	0.00006	< 0.00002	0.00004
Zn (diss) [mg/L]	16-Aug-24	15:36	19-Aug-24	08:48	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: TIR01C-10030 MS40-ARDG-0 01313-Kwa-s	12: TIR01C-10030 MS40-ARDG-0 01314-Kwa-s	13: TIR01C-10030 MS40-ARDG-0 01315-Kwa-s	14: TIR01C-10030 MS40-ARDG-0 01315-Kwa-s
Sample Date & Time	03-Aug-24	03-Aug-24	03-Aug-24	
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.18	8.99	8.96	9.00
pH [No unit]	9.21	8.33	8.26	8.27
Conductivity [uS/cm]	201	237	238	237
Alkalinity [mg/L as CaCO3]	73	62	60	59
SO4 [mg/L]	7	34	34	34
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]	0.648	0.540	0.530	0.533
As (diss) [mg/L]	0.0512	0.0738	0.0701	0.0703
Ba (diss) [mg/L]	0.00438	0.00268	0.00250	0.00221
B (diss) [mg/L]	0.069	0.017	0.017	0.017
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]	4.65	9.69	9.76	9.85
Cd (diss) [mg/L]	0.000003	0.000008	0.000010	< 0.000003
Co (diss) [mg/L]	0.000087	0.000027	0.000025	0.000024
Cr (diss) [mg/L]	0.00053	0.00011	< 0.00008	0.00009
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.080	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16.0	20.3	20.4	20.5
Li (diss) [mg/L]	0.0010	0.0007	0.0007	0.0008
Mg (diss) [mg/L]	1.12	3.45	3.54	3.64
Mn (diss) [mg/L]	0.00046	0.00082	0.00088	0.00083
Mo (diss) [mg/L]	0.0083	0.0162	0.0081	0.0083
Na (diss) [mg/L]	24.7	18.2	18.0	18.5
Ni (diss) [mg/L]	0.0002	< 0.0001	0.0001	0.0001
Pb (diss) [mg/L]	0.00030	< 0.00009	< 0.00009	< 0.00009

Analysis	11: TIR01C-10030 MS40-ARDG-0 01313-Kwa-s	12: TIR01C-10030 MS40-ARDG-0 01314-Kwa-s	13: TIR01C-10030 MS40-ARDG-0 01315-Kwa-s	14: TIR01C-10030 MS40-ARDG-0 01315-Kwa-s
Sb (diss) [mg/L]	0.0081	0.0034	0.0034	0.0032
Se (diss) [mg/L]	0.00024	0.00059	0.00062	0.00061
Si (diss) [mg/L]	2.15	1.54	1.49	1.54
Sn (diss) [mg/L]	0.00014	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0190	0.0465	0.0466	0.0474
Ti (diss) [mg/L]	0.0036	0.0003	0.0003	0.0002
Tl (diss) [mg/L]	< 0.000005	0.000010	0.000011	0.000009
U (diss) [mg/L]	0.000218	0.000138	0.000125	0.000137
V (diss) [mg/L]	0.00356	0.00158	0.00144	0.00148
W (diss) [mg/L]	0.00234	0.00283	0.00270	0.00272
Y (diss) [mg/L]	0.00014	< 0.00002	< 0.00002	< 0.00002
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



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: EWL0315-AUG24													
Alkalinity	2	mg/L as Ca	< 2			3	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8030-AUG24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	100	75	125
Conductivity - QCBatchID: EWL0315-AUG24													
Conductivity	2	uS/cm	< 2			1	20	101	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0032-AUG24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	102	80	120	119	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0148-AUG24													
Aluminum (dissolved)	0.001	mg/L	<0.001			7	20	102	90	110	74	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	99	90	110	99	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	88	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			4	20	100	90	110	95	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	92	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	101	90	110	97	70	130
Boron (dissolved)	0.002	mg/L	<0.002			7	20	101	90	110	100	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	96	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	101	90	110	94	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	105	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	93	90	110	88	70	130
Copper (dissolved)	0.001	mg/L	<0.001			12	20	98	90	110	91	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	98	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			18	20	107	90	110	94	70	130
Magnesium (dissolved)	0.001	mg/L	0.001			2	20	103	90	110	94	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	99	90	110	91	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	101	90	110	86	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	94	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			4	20	101	90	110	96	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	100	90	110	83	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	76	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			3	20	100	90	110	94	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	97	90	110	95	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	102	90	110	100	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	99	90	110	90	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			9	20	98	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	93	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	102	70	130
pH - QCBatchID: EWL0315-AUG24													
pH	0.05	No unit	NA			1		99			NA		

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

30-August-2024

Agnico Eagle Mines Limited

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Date Rec. : 13 August 2024

LR Report: CA19049-AUG24

Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Date	4: Analysis Completed	5: TIR01C-10030M S33-ARDG-0013 Time	6: TIR01C-10030M S33-ARDG-0013 16-Kwa-s	7: TIR01C-10030M S33-ARDG-0013 17-Kwa-s	8: TIR01C-10030M S33-ARDG-0013 18-Kwa-s	9: TIR01C-10030M S33-ARDG-0013 19-Kwa-s
Sample Date & Time						07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24
Paste pH [no unit]	15-Aug-24	09:51	19-Aug-24	08:58	8.74	9.09	9.06	9.01	
Fizz Rate [rating]	15-Aug-24	14:13	19-Aug-24	08:58	4	4	4	4	
Sample weight [g]	15-Aug-24	09:51	19-Aug-24	08:58	2.01	2.00	2.01	2.03	
HCl_add [mL]	16-Aug-24	14:30	19-Aug-24	08:58	55.20	40.00	40.00	40.00	
HCl [Normality]	15-Aug-24	15:58	19-Aug-24	08:58	0.10	0.10	0.10	0.10	
NaOH [Normality]	15-Aug-24	15:58	19-Aug-24	08:58	0.10	0.10	0.10	0.10	
Vol NaOH to pH=8.3 [mL]	16-Aug-24	15:53	19-Aug-24	08:58	27.40	20.78	18.67	16.92	
Final pH [no unit]	16-Aug-24	15:50	19-Aug-24	08:58	1.69	1.63	1.75	1.91	
NP [t CaCO3/1000 t]	16-Aug-24	17:12	19-Aug-24	08:58	69.1	48.1	53.1	56.9	
AP [t CaCO3/1000 t]	16-Aug-24	17:12	23-Aug-24	09:06	13.1	6.25	8.44	10.6	
Net NP [t CaCO3/1000 t]	16-Aug-24	17:12	23-Aug-24	09:06	56.0	41.8	44.7	46.3	
NP/AP [ratio]	16-Aug-24	17:12	23-Aug-24	09:06	5.26	7.70	6.29	5.36	
S [%]	19-Aug-24	13:36	22-Aug-24	14:25	0.446	0.283	0.313	0.383	
Acid Leachable SO4-S [%]	22-Aug-24	07:38	22-Aug-24	14:25	< 0.04	0.08	0.04	0.04	
Sulphide [%]	21-Aug-24	07:20	22-Aug-24	14:25	0.42	0.20	0.27	0.34	
C [%]	19-Aug-24	13:36	20-Aug-24	12:49	0.923	0.699	0.778	0.888	
CO3 (HCl) as %CO3 [%]	20-Aug-24	10:26	20-Aug-24	12:49	1.73	0.95	1.09	1.26	

Analysis	9: TIR01C-10030M S33-ARDG-0013 20-Kwa-s	10: TIR01C-10030M S33-ARDG-0013 21-Kwa-s	11: TIR01C-10030M S33-ARDG-0013 22-Kwa-s	12: TIR01C-10030M S33-ARDG-0013 23-Kwa-s	13: TIR01C-10030M S33-ARDG-0013 24-Kwa-s	14: TIR01C-10030M S33-ARDG-0013 25-Kwa-s	15: TIR01C-10030M S33-ARDG-0013 26-Kwa-s	16: TIR01C-10030M S33-ARDG-0013 27-Kwa-s
Sample Date & Time	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24
Paste pH [no unit]	8.85	8.89	8.78	8.76	8.64	8.85	8.91	8.91
Fizz Rate [rating]	4	4	4	4	4	4	4	4
Sample weight [g]	2.00	2.03	2.00	2.01	2.00	2.00	2.01	2.01
HCl_add [mL]	175.50	220.00	200.00	180.00	220.00	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]	58.95	104	81.44	62.67	90.69	19.81	23.50	23.21
Final pH [no unit]	1.74	1.52	1.59	1.72	1.65	1.73	1.60	1.59
NP [t CaCO3/1000 t]	291	285	296	292	323	50.5	41.0	41.8
AP [t CaCO3/1000 t]	5.94	3.44	12.5	5.62	11.9	4.69	5.94	5.94
Net NP [t CaCO3/1000 t]	285	282	284	286	311	45.8	35.1	35.9
NP/AP [ratio]	49.1	82.9	23.7	51.9	27.2	10.8	6.91	7.04
S [%]	0.279	0.175	0.529	0.248	0.456	0.233	0.258	0.242

Online LIMS

0003840461

SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19049-AUG24

Analysis	9:	10:	11:	12:	13:	14:	15:	16:
	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M
	S33-ARDG-0013	S33-ARDG-0013	S33-ARDG-0013	S33-ARDG-0013	S33-ARDG-0013	S33-ARDG-0013	S33-ARDG-0013	S33-ARDG-0013
	20-Kwa-s	21-Kwa-s	22-Kwa-s	23-Kwa-s	24-Kwa-s	25-Kwa-s	26-Kwa-s	27-Kwa-s
Acid Leachable SO ₄ -S [%]	0.09	0.06	0.13	0.07	0.08	0.08	0.07	0.05
Sulphide [%]	0.19	0.11	0.40	0.18	0.38	0.15	0.19	0.19
C [%]	4.21	4.24	4.36	4.21	4.82	0.773	0.610	0.610
CO ₃ (HCl) as %CO ₃ [%]	0.69	0.24	1.93	0.67	1.69	0.68	0.94	0.85

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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mel

Works #: Wste Rock OP TIR01

Project : PO#1380289

30-August-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555

Fax: (819) 759-3663

Date Rec. : 13 August 2024

LR Report: CA19050-AUG24

Reference: Meliadine - PO#1380289

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: TIR01C-10030M S33-ARDG-0013 16-Kwa-s	6: TIR01C-10030M S33-ARDG-0013 17-Kwa-s	7: TIR01C-10030M S33-ARDG-0013 18-Kwa-s	8: TIR01C-10030M S33-ARDG-0013 19-Kwa-s	9: TIR01C-10030M S33-ARDG-0013 20-Kwa-s
Sample Date & Time					07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24
Ag [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	97000	93000	90000	82000	84000
As [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	170	20	50	350	760
Ba [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	540	650	660	710	240
Be [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	1.2	1.2	1.2	1.2	0.55
Bi [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	0.40	0.18	0.26	0.27	< 0.09
Ca [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	26000	16000	18000	19000	86000
Cd [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	0.13	0.08	0.09	0.11	0.16
Co [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	22	18	18	20	39
Cr [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	82	74	95	110	130
Cu [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	50	44	42	56	95
Fe [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	58000	36000	35000	44000	56000
K [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	16000	20000	20000	15000	8300
Li [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	45	34	32	35	47
Mg [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	16000	12000	11000	13000	24000
Mn [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	470	230	240	430	1800
Mo [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	1.7	2.5	2.6	2.0	1.5
Ni [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	71	63	62	60	110
P [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	550	440	430	430	250
Pb [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	44	41	81	25	12
Sb [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	0.3	0.3	0.3	0.3	0.5
Sn [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	400	310	320	350	190
Ti [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	3400	3200	3200	2800	2200
Tl [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	0.37	0.54	0.55	0.48	0.46
U [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	1.74	1.79	1.84	1.45	0.14
V [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	100	78	76	85	190
Y [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	9.7	7.0	6.8	6.3	6.4
Zn [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	75	57	54	70	120

**SGS Canada Inc.**

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mel
Works #: Wste Rock OP TIR01

Project : PO#1380289

LR Report : CA19050-AUG24

Analysis	10: TIR01C-10030M S33-ARDG-0013 21-Kwa-s	11: TIR01C-10030M S33-ARDG-0013 22-Kwa-s	12: TIR01C-10030M S33-ARDG-0013 23-Kwa-s	13: TIR01C-10030M S33-ARDG-0013 24-Kwa-s	14: TIR01C-10030M S33-ARDG-0013 25-Kwa-s	15: TIR01C-10030M S33-ARDG-0013 26-Kwa-s	16: TIR01C-10030M S33-ARDG-0013 27-Kwa-s
Sample Date & Time	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	88000	80000	82000	70000	99000	94000	85000
As [µg/g]	630	630	770	180	110	36	35
Ba [µg/g]	240	490	240	1600	900	700	660
Be [µg/g]	0.52	0.68	0.55	3.1	1.3	1.2	1.2
Bi [µg/g]	< 0.09	< 0.09	< 0.09	0.23	0.40	0.42	0.34
Ca [µg/g]	85000	82000	100000	100000	16000	13000	12000
Cd [µg/g]	0.16	0.15	0.19	0.24	0.10	0.68	0.69
Co [µg/g]	41	41	45	41	23	20	20
Cr [µg/g]	140	130	120	110	110	84	81
Cu [µg/g]	89	78	88	120	53	53	49
Fe [µg/g]	56000	59000	55000	63000	41000	39000	37000
K [µg/g]	8300	11000	6600	15000	19000	19000	18000
Li [µg/g]	50	38	56	20	41	35	34
Mg [µg/g]	27000	21000	22000	22000	16000	13000	13000
Mn [µg/g]	1800	1900	2200	2800	410	320	300
Mo [µg/g]	0.5	0.6	1.5	1.6	3.3	1.7	2.2
Ni [µg/g]	110	110	100	90	70	69	67
P [µg/g]	240	240	250	1000	490	480	480
Pb [µg/g]	12	16	15	76	100	81	66
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.4	0.4	0.4	0.7	0.3	0.3	0.2
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	180	240	160	980	370	290	270
Ti [µg/g]	1800	3100	1800	4300	1900	3300	3200
Tl [µg/g]	0.46	0.78	0.36	0.98	0.50	0.46	0.47
U [µg/g]	0.12	0.15	0.18	2.13	1.99	1.98	1.59
V [µg/g]	190	200	190	180	96	87	82
Y [µg/g]	6.8	7.3	9.7	15	7.5	6.2	5.2
Zn [µg/g]	100	150	85	110	76	120	120

Bulk Metals Suite

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

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: EMS0240-AUG24													
Calcium	3	µg/g	<3			2		100			90		
Phosphorus	3	µg/g	<3			1		103			91		
Potassium	3	µg/g	<3			2		101			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0240-AUG24													
Aluminum	3	µg/g	<3			1	20	95	70	130	103	70	130
Antimony	0.8	µg/g	<0.8			0	20	91	70	130	114	70	130
Arsenic	0.5	µg/g	<0.5			5	20	99	70	130	95	70	130
Barium	0.01	µg/g	<0.01			15	20	103	70	130	101	70	130
Beryllium	0.02	µg/g	<0.02			2	20	97	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			2	20	96	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			5	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			6	20	101	70	130	79	70	130
Cobalt	0.01	µg/g	<0.01			3	20	101	70	130	90	70	130
Copper	0.1	µg/g	<0.1			2	20	100	70	130	98	70	130
Iron	3	µg/g	<3			2	20	99	70	130	95	70	130
Lead	0.05	µg/g	<0.05			7	20	98	70	130	104	70	130
Lithium	2	µg/g	<2			1	20	99	70	130	96	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	92	70	130
Manganese	0.1	µg/g	<0.1			2	20	104	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	101	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			5	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	102	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	100	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			5	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	104	70	130	90	70	130
Uranium	0.002	µg/g	<0.002			3	20	96	70	130	97	70	130
Vanadium	1	µg/g	<1			3	20	98	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			6	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	104	70	130	96	70	130

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

30-August-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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

Date Rec. : 13 August 2024
 LR Report: CA19051-AUG24
 Reference: Meliadine - PO#1380289

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: TIR01C-10030M S33-ARDG-0013 16-Kwa-s	6: TIR01C-10030M S33-ARDG-0013 17-Kwa-s	7: TIR01C-10030M S33-ARDG-0013 18-Kwa-s
Sample Date & Time					07-Aug-24	07-Aug-24	07-Aug-24
Sample weight [g]	14-Aug-24	13:06	16-Aug-24	13:27	250	249	249
Volume D.I. Water [mL]	15-Aug-24	08:49	16-Aug-24	13:27	750	750	750
pH [no unit]	16-Aug-24	10:22	16-Aug-24	13:27	8.90	8.98	8.90
pH [No unit]	16-Aug-24	14:55	20-Aug-24	10:06	8.03	8.10	8.08
Conductivity [uS/cm]	16-Aug-24	14:55	20-Aug-24	10:06	193	222	246
Alkalinity [mg/L as CaCO3]	16-Aug-24	14:55	20-Aug-24	10:06	48	53	53
SO4 [mg/L]	19-Aug-24	10:48	19-Aug-24	15:53	21	37	43
Hg (diss) [mg/L]	20-Aug-24	15:56	23-Aug-24	11:56	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.701	0.619	0.567
As (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.0154	0.0033	0.0049
Ba (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.00178	0.00270	0.00333
B (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.014	0.014	0.014
Be (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	8.92	9.56	11.1
Cd (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.000499	0.000267	0.000563
Co (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.000033	0.000012	0.000025
Cr (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	15.2	20.4	21.6
Li (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.0007	0.0011	0.0013
Mg (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	1.60	2.73	3.30
Mn (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.00203	0.00109	0.00247
Mo (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.0042	0.0057	0.0066
Na (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	17.2	16.3	17.0
Ni (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.0001	0.0001	0.0001
Pb (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.00044	0.00047	0.00033
Sb (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.0097	0.0108	0.0113

**SGS Canada Inc.**

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mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19051-AUG24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S33-ARDG-0013 16-Kwa-s	6: TIR01C-10030M S33-ARDG-0013 17-Kwa-s	7: TIR01C-10030M S33-ARDG-0013 18-Kwa-s
Se (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.00015	0.00029	0.00039
Si (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	1.21	1.54	1.52
Sn (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	0.0599	0.0504	0.0606
Ti (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:56	< 0.0001	0.0002	0.0001
Tl (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:55	0.000016	0.000015	0.000022
U (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:55	0.000063	0.000184	0.000262
V (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:55	0.00106	0.00138	0.00107
W (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:55	0.00159	0.00344	0.00334
Y (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:55	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	22-Aug-24	02:44	23-Aug-24	11:55	0.009	< 0.002	0.050

Analysis	8: TIR01C-10030M S33-ARDG-0013 19-Kwa-s	9: TIR01C-10030M S33-ARDG-0013 20-Kwa-s	10: TIR01C-10030M S33-ARDG-0013 21-Kwa-s	11: TIR01C-10030M S33-ARDG-0013 22-Kwa-s	12: TIR01C-10030M S33-ARDG-0013 23-Kwa-s	13: TIR01C-10030M S33-ARDG-0013 24-Kwa-s
Sample Date & Time	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24	07-Aug-24
Sample weight [g]	249	251	249	250	251	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	8.87	9.13	9.17	8.90	8.84	8.71
pH [No unit]	8.04	8.26	8.37	8.37	8.18	8.40
Conductivity [uS/cm]	218	235	230	312	251	241
Alkalinity [mg/L as CaCO3]	53	78	85	90	78	99
SO4 [mg/L]	34	17	16	21	24	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]	0.577	0.585	0.592	0.555	0.507	0.447
As (diss) [mg/L]	0.0145	0.102	0.106	0.0379	0.0647	0.0225
Ba (diss) [mg/L]	0.00412	0.00060	0.00050	0.00111	0.00111	0.0550
B (diss) [mg/L]	0.016	0.016	0.018	0.032	0.018	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]	11.7	8.81	8.46	9.10	10.8	12.9
Cd (diss) [mg/L]	0.000005	0.000137	0.000287	0.000723	0.000461	0.000166
Co (diss) [mg/L]	0.000041	0.000048	0.000060	0.000060	0.000070	0.000127
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	15.8	4.51	4.69	9.35	4.96	16.9
Li (diss) [mg/L]	0.0012	0.0016	0.0018	0.0033	0.0021	0.0018
Mg (diss) [mg/L]	3.26	4.82	4.93	5.82	5.51	9.39
Mn (diss) [mg/L]	0.00194	0.00316	0.00401	0.00519	0.00528	0.00899
Mo (diss) [mg/L]	0.0051	0.0055	0.0043	0.0046	0.0044	0.0047
Na (diss) [mg/L]	15.0	28.7	28.6	38.3	28.7	11.6
Ni (diss) [mg/L]	0.0002	0.0003	0.0005	0.0003	0.0005	0.0005
Pb (diss) [mg/L]	0.00026	< 0.00009	< 0.00009	0.00016	0.00043	0.00251

Analysis	8: TIR01C-10030M S33-ARDG-0013 19-Kwa-s	9: TIR01C-10030M S33-ARDG-0013 20-Kwa-s	10: TIR01C-10030M S33-ARDG-0013 21-Kwa-s	11: TIR01C-10030M S33-ARDG-0013 22-Kwa-s	12: TIR01C-10030M S33-ARDG-0013 23-Kwa-s	13: TIR01C-10030M S33-ARDG-0013 24-Kwa-s
Sb (diss) [mg/L]	0.0080	0.0076	0.0081	0.0077	0.0054	0.0082
Se (diss) [mg/L]	0.00044	0.00040	0.00034	0.00030	0.00073	0.00054
Si (diss) [mg/L]	1.31	1.24	1.27	1.25	1.23	1.10
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0586	0.0129	0.0117	0.0204	0.0191	0.179
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000010	0.000005	0.000008	0.000011	0.000012	0.000012
U (diss) [mg/L]	0.000258	0.000005	0.000005	0.000021	0.000009	0.000309
V (diss) [mg/L]	0.00092	0.00181	0.00198	0.00125	0.00108	0.00060
W (diss) [mg/L]	0.00214	0.00183	0.00236	0.00146	0.00479	0.00279
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	0.004	0.009	0.016	0.037	0.009

Analysis	14: TIR01C-10030M S33-ARDG-0013 25-Kwa-s	15: TIR01C-10030M S33-ARDG-0013 26-Kwa-s	16: TIR01C-10030M S33-ARDG-0013 27-Kwa-s
Sample Date & Time	07-Aug-24	07-Aug-24	07-Aug-24
Sample weight [g]	251	250	250
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.90	8.93	8.94
pH [No unit]	8.01	8.03	8.02
Conductivity [uS/cm]	257	310	298
Alkalinity [mg/L as CaCO3]	48	50	48
SO4 [mg/L]	37	52	52
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.503	0.377	0.381
As (diss) [mg/L]	0.0569	0.0378	0.0373
Ba (diss) [mg/L]	0.00427	0.00408	0.00389
B (diss) [mg/L]	0.021	0.026	0.025
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	12.6	13.5	13.7
Cd (diss) [mg/L]	0.000015	0.000025	0.00570
Co (diss) [mg/L]	0.000049	0.000042	0.000065
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16.8	19.0	18.3
Li (diss) [mg/L]	0.0008	0.0008	0.0008
Mg (diss) [mg/L]	3.30	3.86	4.00
Mn (diss) [mg/L]	0.00116	0.00176	0.0110
Mo (diss) [mg/L]	0.0162	0.0100	0.0083
Na (diss) [mg/L]	20.1	26.1	25.5
Ni (diss) [mg/L]	0.0003	0.0004	0.0006

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mel

Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19051-AUG24

Analysis	14:	15:	16:
	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M
	S33-ARDG-0013	S33-ARDG-0013	S33-ARDG-0013
	25-Kwa-s	26-Kwa-s	27-Kwa-s
Pb (diss) [mg/L]	0.00016	0.00081	0.00070
Sb (diss) [mg/L]	0.0086	0.0074	0.0072
Se (diss) [mg/L]	0.00029	0.00046	0.00041
Si (diss) [mg/L]	1.38	1.59	1.59
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0728	0.0676	0.0659
Ti (diss) [mg/L]	< 0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	0.000007	0.000014	0.000030
U (diss) [mg/L]	0.000222	0.000414	0.000372
V (diss) [mg/L]	0.00095	0.00077	0.00078
W (diss) [mg/L]	0.00187	0.00170	0.00169
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	0.069

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

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

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: EWL0348-AUG24													
Alkalinity	2	mg/L as Ca	2			1	20	109	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8036-AUG24													
Sulphate	2	mg/L	<2			ND	20	106	80	120	103	75	125
Conductivity - QCBatchID: EWL0348-AUG24													
Conductivity	2	uS/cm	2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0039-AUG24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	96	80	120	93	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0187-AUG24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	99	90	110	117	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	109	90	110	119	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	97	90	110	95	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	95	90	110	105	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	94	90	110	97	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	91	90	110	75	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			15	20	94	90	110	127	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			11	20	99	90	110	96	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	110	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	95	90	110	113	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	93	90	110	122	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			4	20	94	90	110	102	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	121	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			5	20	101	90	110	98	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	97	90	110	111	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	103	90	110	78	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	96	90	110	104	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	101	90	110	77	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	96	90	110	124	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	98	90	110	74	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	99	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			4	20	95	90	110	90	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	94	90	110	127	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	103	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	106	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	98	90	110	118	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	96	90	110	107	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			1	20	94	90	110	96	70	130
pH - QCBatchID: EWL0348-AUG24													
pH	0.05	No unit	NA			0		100			NA		



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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine

, Nunavut

X0C 0A0, Canada

Phone: (819) 759-3555

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mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

23-August-2024

Date Rec. : 15 August 2024
LR Report: CA19063-AUG24
Reference: Meliandine - PO#1380289

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: TIR01C-10030 MS42-ARDG-0 01328-Kwa-s	6: TIR01C-10030 MS42-ARDG-0 01329-Kwa-s	7: TIR01C-10030 MS42-ARDG-0 01330-Kwa-s	8: TIR01C-10030 MS42-ARDG-0 01331-Kwa-s	9: TIR01C-10030 MS42-ARDG-0 01332-Kwa-s	10: TIR01C-10030 MS42-ARDG-0 01333-Kwa-s
Sample Date & Time					10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24	10-Aug-24
Paste pH [no unit]	19-Aug-24	14:53	20-Aug-24	14:48	8.91	9.22	9.23	9.02	9.21	9.22
Fizz Rate [rating]	19-Aug-24	14:53	20-Aug-24	14:48	4	4	4	4	4	4
Sample weight [g]	19-Aug-24	06:20	20-Aug-24	14:48	2.00	2.01	2.01	2.02	2.02	2.02
HCl_add [mL]	20-Aug-24	06:49	20-Aug-24	14:48	40.00	40.00	40.00	40.00	40.00	40.00
HCl [Normality]	19-Aug-24	08:29	20-Aug-24	14:48	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	19-Aug-24	08:29	20-Aug-24	14:48	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	20-Aug-24	08:59	20-Aug-24	14:48	22.91	22.43	24.32	22.27	24.71	24.64
Final pH [no unit]	20-Aug-24	08:34	20-Aug-24	14:48	1.63	1.68	1.54	1.65	1.58	1.61
NP [t CaCO3/1000 t]	20-Aug-24	12:49	20-Aug-24	14:48	42.7	43.7	39.0	43.9	37.8	38.0
AP [t CaCO3/1000 t]	20-Aug-24	12:49	23-Aug-24	09:19	4.69	5.00	6.56	7.50	5.94	5.00
Net NP [t CaCO3/1000 t]	20-Aug-24	12:49	23-Aug-24	09:19	38.0	38.7	32.4	36.4	31.9	33.0
NP/AP [ratio]	20-Aug-24	12:49	23-Aug-24	09:19	9.11	8.74	5.94	5.85	6.37	7.60
S [%]	21-Aug-24	11:26	22-Aug-24	14:32	0.200	0.211	0.262	0.296	0.243	0.232
Acid Leachable SO4-S [%]	22-Aug-24	07:39	22-Aug-24	14:32	0.05	0.05	0.05	0.06	0.05	0.07
Sulphide [%]	22-Aug-24	07:35	22-Aug-24	14:32	0.15	0.16	0.21	0.24	0.19	0.16

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS42-ARDG-0 01328-Kwa-s	6: TIR01C-10030 MS42-ARDG-0 01329-Kwa-s	7: TIR01C-10030 MS42-ARDG-0 01330-Kwa-s	8: TIR01C-10030 MS42-ARDG-0 01331-Kwa-s	9: TIR01C-10030 MS42-ARDG-0 01332-Kwa-s	10: TIR01C-10030 MS42-ARDG-0 01333-Kwa-s
C [%]	21-Aug-24	11:26	22-Aug-24	14:32	0.668	0.648	0.581	0.661	0.581	0.584
CO3 (HCl) as %CO3 [%]	22-Aug-24	10:02	22-Aug-24	14:32	2.89	2.86	2.36	2.86	2.47	2.50

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

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

30-August-2024

Agnico Eagle Mines Limited

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Date Rec. : 15 August 2024
 LR Report: CA19064-AUG24
 Reference: Meliandine - PO#1380289

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: TIR01C-10030M S42-ARDG-0013 28-Kwa-s	6: TIR01C-10030M S42-ARDG-0013 29-Kwa-s	7: TIR01C-10030M S42-ARDG-0013 30-Kwa-s
Sample Date & Time					10-Aug-24	10-Aug-24	10-Aug-24
Ag [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	78000	79000	90000
As [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	57	47	820
Ba [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	960	920	530
Be [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	1.3	1.3	1.2
Bi [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	0.29	0.22	0.25
Ca [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	12000	12000	13000
Cd [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	0.07	0.07	0.13
Co [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	20	20	20
Cr [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	82	81	100
Cu [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	47	49	48
Fe [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	33000	33000	44000
K [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	19000	18000	17000
Li [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	34	34	42
Mg [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	13000	13000	14000
Mn [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	310	320	400
Mo [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	1.8	3.0	1.6
Ni [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	62	73	65
P [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	430	430	410
Pb [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	32	31	17
Sb [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	0.2	0.2	0.3
Sn [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	< 6	< 6	< 6
Sr [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	390	390	310
Ti [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	2700	2700	750
Tl [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	0.49	0.48	0.44
U [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	1.8	1.7	1.8
V [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	77	75	76
Y [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	5.8	6.0	7.1
Zn [µg/g]	27-Aug-24	15:15	28-Aug-24	10:20	72	74	76

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel

Works #: Waste Rock OP TIR01**Project :** PO#1380289**LR Report :** CA19064-AUG24

Analysis	8:	9:	10:
	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M
	S42-ARDG-0013	S42-ARDG-0013	S42-ARDG-0013
	31-Kwa-s	32-Kwa-s	33-Kwa-s
Sample Date & Time	10-Aug-24	10-Aug-24	10-Aug-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	86000	77000	70000
As [µg/g]	87	39	35
Ba [µg/g]	630	700	720
Be [µg/g]	1.2	1.3	1.3
Bi [µg/g]	0.34	0.15	0.14
Ca [µg/g]	12000	10000	9500
Cd [µg/g]	0.12	0.11	0.12
Co [µg/g]	19	22	20
Cr [µg/g]	85	94	110
Cu [µg/g]	50	46	41
Fe [µg/g]	35000	35000	34000
K [µg/g]	19000	18000	18000
Li [µg/g]	41	41	41
Mg [µg/g]	14000	14000	14000
Mn [µg/g]	360	290	270
Mo [µg/g]	2.8	2.6	2.0
Ni [µg/g]	67	71	70
P [µg/g]	410	410	410
Pb [µg/g]	26	25	24
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.2	0.2
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	300	320	320
Ti [µg/g]	730	930	920
Tl [µg/g]	0.47	0.46	0.48
U [µg/g]	1.7	1.2	1.5
V [µg/g]	81	83	82
Y [µg/g]	6.4	4.2	4.6
Zn [µg/g]	80	81	79

Bulk Metals Suite

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

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: EMS0240-AUG24													
Calcium	3	µg/g	<3			2		100			90		
Phosphorus	3	µg/g	<3			1		103			91		
Potassium	3	µg/g	<3			2		101			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0240-AUG24													
Aluminum	3	µg/g	<3			1	20	95	70	130	103	70	130
Antimony	0.8	µg/g	<0.8			0	20	91	70	130	114	70	130
Arsenic	0.5	µg/g	<0.5			5	20	99	70	130	95	70	130
Barium	0.01	µg/g	<0.01			15	20	103	70	130	101	70	130
Beryllium	0.02	µg/g	<0.02			2	20	97	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			2	20	96	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			5	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			6	20	101	70	130	79	70	130
Cobalt	0.01	µg/g	<0.01			3	20	101	70	130	90	70	130
Copper	0.1	µg/g	<0.1			2	20	100	70	130	98	70	130
Iron	3	µg/g	<3			2	20	99	70	130	95	70	130
Lead	0.05	µg/g	<0.05			7	20	98	70	130	104	70	130
Lithium	2	µg/g	<2			1	20	99	70	130	96	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	92	70	130
Manganese	0.1	µg/g	<0.1			2	20	104	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	101	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			5	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	102	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	100	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			5	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	104	70	130	90	70	130
Uranium	0.002	µg/g	<0.002			3	20	96	70	130	97	70	130
Vanadium	1	µg/g	<1			3	20	98	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			6	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	104	70	130	96	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

06-September-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Date Rec. : 22 August 2024

LR Report: CA19092-AUG24

Reference: Meliadine - PO#1254179

Copy: #1

Phone: (819) 759-3555

Fax:(819) 759-3663

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S35-ARDG-0013 34-MV	6: TIR01C-10030M S35-ARDG-0013 35-MV	7: TIR01C-10030M S35-ARDG-0013 36-MV	8: TIR01C-10030M S35-ARDG-0013 37-MV
Sample Date & Time					14-Aug-24	14-Aug-24	14-Aug-24	15-Aug-24
Paste pH [no unit]	28-Aug-24	11:09	29-Aug-24	08:52	9.17	9.16	8.94	8.66
Fizz Rate [rating]	27-Aug-24	14:29	29-Aug-24	08:52	4	4	4	4
Sample weight [g]	26-Aug-24	20:53	29-Aug-24	08:52	2.01	2.04	2.03	2.00
HCl_add [mL]	28-Aug-24	13:45	29-Aug-24	08:52	165.00	135.00	150.00	150.00
HCl [Normality]	27-Aug-24	15:29	29-Aug-24	08:52	0.10	0.10	0.10	0.10
NaOH [Normality]	27-Aug-24	15:29	29-Aug-24	08:52	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28-Aug-24	16:29	29-Aug-24	08:52	63.93	39.52	62.84	62.85
Final pH [no unit]	28-Aug-24	15:49	29-Aug-24	08:52	1.69	1.85	1.56	1.59
NP [t CaCO3/1000 t]	28-Aug-24	16:39	29-Aug-24	08:52	251	234	215	218
AP [t CaCO3/1000 t]	30-Aug-24	13:31	30-Aug-24	13:32	7.19	4.06	5.62	5.62
Net NP [t CaCO3/1000 t]	30-Aug-24	13:31	30-Aug-24	13:32	244	230	209	212
NP/AP [ratio]	30-Aug-24	13:31	30-Aug-24	13:32	35.0	57.6	38.2	38.7
S [%]	29-Aug-24	17:51	30-Aug-24	13:31	0.281	0.175	0.258	0.231
Acid Leachable SO4-S [%]	30-Aug-24	13:31	30-Aug-24	13:31	0.05	0.04	0.08	0.05
Sulphide [%]	30-Aug-24	11:53	30-Aug-24	13:31	0.23	0.13	0.18	0.18
C [%]	29-Aug-24	17:51	30-Aug-24	13:31	3.54	3.18	2.87	2.96
CO3 (HCl) as %CO3 [%]	03-Sep-24	13:05	03-Sep-24	14:27	17.2	15.4	13.9	14.3

Analysis	9: TIR01C-10030M S35-ARDG-0013 38-Kwa-s	10: TIR01C-10030M S35-ARDG-0013 39-Kwa-s	11: TIR01C-10030M S35-ARDG-0013 40-Kwa-s	12: TIR01C-10030M S35-ARDG-0013 41-Kwa-s	13: TIR01C-10030M S35-ARDG-0013 42-Kwa-s
Sample Date & Time	15-Aug-24	15-Aug-24	15-Aug-24	16-Aug-24	16-Aug-24
Paste pH [no unit]	9.24	9.20	9.15	9.03	9.11
Fizz Rate [rating]	4	4	4	3	3
Sample weight [g]	2.00	2.00	2.02	2.05	2.02
HCl_add [mL]	40.00	40.00	40.00	44.20	44.20
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]	24.32	24.27	25.91	23.53	24.13
Final pH [no unit]	1.55	1.54	1.55	1.58	1.58
NP [t CaCO3/1000 t]	39.2	39.3	34.9	50.4	49.7
AP [t CaCO3/1000 t]	6.56	5.00	5.94	10.3	10.0
Net NP [t CaCO3/1000 t]	32.6	34.3	29.0	40.1	39.7

SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19092-AUG24

Analysis	9:	10:	11:	12:	13:
	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M
	S35-ARDG-0013	S35-ARDG-0013	S35-ARDG-0013	S35-ARDG-0013	S35-ARDG-0013
	38-Kwa-s	39-Kwa-s	40-Kwa-s	41-Kwa-s	42-Kwa-s
NP/AP [ratio]	5.97	7.86	5.88	4.89	4.97
S [%]	0.284	0.224	0.321	0.438	0.385
Acid Leachable SO4-S [%]	0.07	0.06	0.13	0.11	0.06
Sulphide [%]	0.21	0.16	0.19	0.33	0.32
C [%]	0.586	0.543	0.507	0.924	0.904
CO3 (HCl) as %CO3 [%]	2.27	2.16	1.96	3.43	3.35

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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-SEP24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0079-AUG24													
Carbon (total)	0.005	%	<0.005			2	20				100	70 130	
Sulphur (total)	0.005	%	<0.005			0	20				98	70 130	
Carbon/Sulphur - QCBatchID: ECS0081-AUG24													
Sulphide	0.04	%	< 0.01			12	20	107	80	120			

18-September-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 22 August 2024
LR Report: CA19094-AUG24
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: TIR01C-10030 MS35-ARDG- 001334-MV	6: TIR01C-10030 MS35-ARDG- 001335-MV	7: TIR01C-10030 MS35-ARDG- 001336-MV	8: TIR01C-10030 MS35-ARDG- 001337-MV	9: TIR01C-10030 MS35-ARDG- 001338-Kwa-	10: TIR01C-10030 MS35-ARDG- 001339-Kwa-	11: TIR01C-10030 MS35-ARDG- 001340-Kwa-
Sample Date & Time					14-Aug-24	14-Aug-24	14-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24
Sample weight [g]	28-Aug-24	16:47	30-Aug-24	08:54	248	251	249	250	252	249	248
Volume D.I. Water [mL]	29-Aug-24	06:30	30-Aug-24	08:54	750	750	750	750	750	750	750
pH [no unit]	30-Aug-24	06:37	30-Aug-24	08:54	8.57	8.77	8.67	8.49	8.82	8.98	9.02
pH [No unit]	30-Aug-24	15:18	03-Sep-24	16:16	8.13	8.09	8.12	8.00	8.29	8.66	8.26
Conductivity [uS/cm]	30-Aug-24	15:18	03-Sep-24	16:16	248	168	182	409	233	212	185
Alkalinity [mg/L as Ca]	30-Aug-24	15:18	03-Sep-24	16:16	69	57	41	54	55	51	50
SO4 [mg/L]	03-Sep-24	12:32	03-Sep-24	15:51	41	14	23	28	31	20	16
Hg (diss) [mg/L]	04-Sep-24	14:49	05-Sep-24	10:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.454	0.631	0.523	0.404	0.351	0.458	0.477
As (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.0384	0.0034	0.0010	0.0028	0.0631	0.0507	0.0190
Ba (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.00148	0.00080	0.0145	0.00203	0.00366	0.00307	0.00275
B (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.016	0.014	0.009	0.014	0.061	0.055	0.053
Be (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS35-ARDG- 001334-MV	6: TIR01C-10030 MS35-ARDG- 001335-MV	7: TIR01C-10030 MS35-ARDG- 001336-MV	8: TIR01C-10030 MS35-ARDG- 001337-MV	9: TIR01C-10030 MS35-ARDG- 001338-Kwa-	10: TIR01C-10030 MS35-ARDG- 001339-Kwa-	11: TIR01C-10030 MS35-ARDG- 001340-Kwa-
Ca (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	13.6	10.2	13.2	17.5	9.05	7.62	7.20
Cd (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.000004	< 0.000003	0.000018	0.000003	0.000004	< 0.000003	0.000010
Co (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.000065	0.000007	0.000008	0.000041	0.000057	0.000022	0.000017
Cr (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00011	0.00012	0.00009
Cu (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.007	< 0.007	< 0.007	< 0.007	0.025	0.031	0.022
K (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	6.89	3.52	3.93	5.73	18.0	15.8	14.4
Li (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.0018	0.0011	0.0010	0.0012	0.0008	0.0006	0.0006
Mg (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	7.21	3.36	3.68	7.08	2.18	1.30	1.09
Mn (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.00423	0.00163	0.00210	0.00315	0.00141	0.00033	0.00015
Mo (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.0049	0.0036	0.0036	0.0028	0.0212	0.0063	0.0196
Na (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	22.8	18.2	16.4	47.4	24.2	23.9	20.8
Ni (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.0011	< 0.0001	< 0.0001	< 0.0001	0.0004	0.0002	0.0001
Pb (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.0043	0.0011	0.0010	< 0.0009	0.0086	0.0085	0.0068
Se (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.00118	0.00037	0.00059	0.00050	0.00021	0.00013	0.00012
Si (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.99	0.83	0.86	0.89	1.63	1.56	1.27
Sn (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.0229	0.0222	0.0661	0.0477	0.0463	0.0373	0.0358
Ti (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0008	0.0012	0.0008
Tl (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.000006	< 0.000005	0.000005	0.000007	0.000012	0.000005	< 0.000005
U (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.000049	0.000006	0.000014	0.000009	0.000161	0.000112	0.000048
V (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.00081	0.00069	0.00060	0.00045	0.00151	0.00194	0.00136
W (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	0.0017	0.0008	0.0013	0.0012	0.0016	0.0017	0.0009
Y (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00002	0.00003	< 0.00002
Zn (diss) [mg/L]	04-Sep-24	16:45	05-Sep-24	10:32	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.006	< 0.002

Analysis	12: TIR01C-10030TIR01C-10030 MS35-ARDG- MS35-ARDG- 001341-Kwa- 001342-Kwa-	13: TIR01C-10030TIR01C-10030 MS35-ARDG- MS35-ARDG- 001334-MV	14: TIR01C-10030 MS35-ARDG- 001334-MV	15:BLK: \$D.I. Leachate Blank
Sample Date & Time	16-Aug-24	16-Aug-24		
Sample weight [g]	251	251	248	---
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.80	8.74	8.58	5.61
pH [No unit]	8.21	8.54	8.33	6.40
Conductivity [uS/cm]	248	245	244	6
Alkalinity [mg/L as Ca]	54	55	69	2
SO4 [mg/L]	44	44	41	< 2
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]	0.278	0.293	0.450	< 0.001
As (diss) [mg/L]	0.0459	0.0472	0.0371	< 0.0002
Ba (diss) [mg/L]	0.00497	0.00471	0.00109	0.00012
B (diss) [mg/L]	0.049	0.047	0.016	< 0.002
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]	15.4	15.2	13.6	< 0.01
Cd (diss) [mg/L]	0.000004	0.000006	0.000030	0.000004
Co (diss) [mg/L]	0.000069	0.000075	0.000064	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	18.0	18.7	7.01	1.23
Li (diss) [mg/L]	0.0010	0.0009	0.0019	< 0.0001
Mg (diss) [mg/L]	3.92	3.83	7.29	0.001
Mn (diss) [mg/L]	0.00081	0.00119	0.00389	0.00006
Mo (diss) [mg/L]	0.0073	0.0248	0.0045	0.0210
Na (diss) [mg/L]	17.2	16.8	22.6	0.01
Ni (diss) [mg/L]	0.0002	0.0002	0.0003	< 0.0001

Analysis	12: TIR01C-10030 MS35-ARDG- 001341-Kwa-	13: TIR01C-10030 MS35-ARDG- 001342-Kwa-	14: TIR01C-10030 MS35-ARDG- 001334-MV	15:BLK: \$D.I. Leachate Blank
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0039	0.0041	0.0039	< 0.0009
Se (diss) [mg/L]	0.00033	0.00032	0.00115	< 0.00004
Si (diss) [mg/L]	1.47	1.44	1.01	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0916	0.0919	0.0229	< 0.00008
Ti (diss) [mg/L]	0.0002	0.0002	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000005	0.000007	0.000005	< 0.000005
U (diss) [mg/L]	0.000368	0.000364	0.000044	< 0.000002
V (diss) [mg/L]	0.00050	0.00055	0.00079	< 0.00001
W (diss) [mg/L]	0.0039	0.0037	0.0016	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0686-AUG24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5001-SEP24													
Sulphate	2	mg/L	<2			ND	20	107	80	120	107	75	
Conductivity - QCBatchID: EWL0686-AUG24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0001-SEP24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	90	80	120	119	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0012-SEP24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	91	90	110	103	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	106	90	110	107	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	92	90	110	96	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	95	90	110	102	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	100	90	110	101	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	101	70	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	94	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	94	90	110	128	70	
Calcium (dissolved)	0.01	mg/L	<0.01			ND	20	102	90	110	102	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	94	90	110	106	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	93	90	110	103	70	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	92	90	110	103	70	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	98	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	94	90	110	100	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	104	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	103	90	110	101	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			ND	20	91	90	110	100	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			9	20	100	90	110	127	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	91	90	110	98	70	
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	94	90	110	76	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	93	90	110	116	70	
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	100	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	94	90	110	73	70	
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	106	90	110	101	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			ND	20	92	90	110	95	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	102	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	100	90	110	NV	70	

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)	0.0001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	98	90	110	110	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	93	90	110	100	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	93	90	110	113	70	130
pH - QCBatchID: EWL0686-AUG24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

30-August-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 22 August 2024

LR Report: CA19093-AUG24

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: TIR01C-10030M S35-ARDG-0013 34-MV	6: TIR01C-10030M S35-ARDG-0013 35-MV	7: TIR01C-10030M S35-ARDG-0013 36-MV
Sample Date & Time					14-Aug-24	14-Aug-24	14-Aug-24
Ag [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	69000	72000	72000
As [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	190	39	10
Ba [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	190	220	1000
Be [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	0.63	0.52	0.71
Bi [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	< 0.09	< 0.09	< 0.09
Ca [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	84000	89000	86000
Cd [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	0.19	0.12	0.20
Co [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	45	43	44
Cr [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	160	160	120
Cu [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	96	92	91
Fe [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	75000	72000	76000
K [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	8500	5200	4700
Li [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	65	84	74
Mg [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	22000	24000	25000
Mn [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	2000	1700	1600
Mo [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	0.5	0.7	0.3
Ni [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	114	112	115
P [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	260	240	470
Pb [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	10	9	12
Sb [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	< 0.8	< 0.8	< 0.8
Se [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	0.5	0.4	0.6
Sn [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	< 6	< 6	< 6
Sr [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	150	190	240
Ti [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	3500	1200	1600
Tl [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	0.43	0.25	0.29
U [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	0.18	0.14	0.26
V [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	230	220	210
Y [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	7.34	8.45	11.2
Zn [µg/g]	30-Aug-24	08:22	30-Aug-24	11:14	120	86	94

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19093-AUG24

Analysis	8: TIR01C-10030M S35-ARDG-0013 37-MV	9: TIR01C-10030M S35-ARDG-0013 38-Kwa-s	10: TIR01C-10030M S35-ARDG-0013 39-Kwa-s	11: TIR01C-10030M S35-ARDG-0013 40-Kwa-s	12: TIR01C-10030M S35-ARDG-0013 41-Kwa-s	13: TIR01C-10030M S35-ARDG-0013 42-Kwa-s
Sample Date & Time	15-Aug-24	15-Aug-24	15-Aug-24	15-Aug-24	16-Aug-24	16-Aug-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	72000	55000	59000	59000	64000	61000
As [µg/g]	50	130	63	170	1300	570
Ba [µg/g]	180	860	770	1000	590	580
Be [µg/g]	0.52	1.3	1.3	1.4	1.0	1.0
Bi [µg/g]	< 0.09	0.25	0.21	0.22	0.21	0.20
Ca [µg/g]	83000	11000	12000	11000	16000	16000
Cd [µg/g]	0.17	0.05	0.08	0.11	0.10	0.12
Co [µg/g]	43	21	18	23	18	16
Cr [µg/g]	180	140	94	100	110	120
Cu [µg/g]	105	45	39	67	40	40
Fe [µg/g]	80000	49000	52000	67000	110000	99000
K [µg/g]	4800	22000	19000	20000	17000	17000
Li [µg/g]	79	46	46	53	24	23
Mg [µg/g]	27000	15000	15000	17000	11000	11000
Mn [µg/g]	1800	290	340	370	440	420
Mo [µg/g]	0.8	1.9	1.9	1.6	3.1	2.1
Ni [µg/g]	111	77	76	82	57	54
P [µg/g]	260	470	520	610	550	510
Pb [µg/g]	4	13	10	19	44	40
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.4	0.3	0.3	0.3	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	170	250	260	250	290	280
Ti [µg/g]	1400	2700	3200	3500	2500	2400
Tl [µg/g]	0.26	0.53	0.47	0.45	0.41	0.40
U [µg/g]	0.12	1.75	1.76	1.65	1.53	1.46
V [µg/g]	220	110	100	110	71	68
Y [µg/g]	7.17	4.32	4.81	4.65	6.17	5.64
Zn [µg/g]	110	77	75	84	74	67

Bulk Metals Suite

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

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: EMS0286-AUG24													
Calcium	3	µg/g	<3			1		98			76		
Phosphorus	3	µg/g	<3			4		93			90		
Potassium	3	µg/g	<3			1		99			97		
Metals - Microwave/ICP-MS - QCBatchID: EMS0286-AUG24													
Aluminum	3	µg/g	<3			1	20	101	70	130	76	70	130
Antimony	0.8	µg/g	<0.8			ND	20	100	70	130	113	70	130
Arsenic	0.5	µg/g	<0.5			10	20	99	70	130	99	70	130
Barium	0.01	µg/g	<0.01			0	20	99	70	130	101	70	130
Beryllium	0.02	µg/g	<0.02			2	20	94	70	130	88	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			5	20	104	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			9	20	99	70	130	85	70	130
Cobalt	0.01	µg/g	<0.01			3	20	96	70	130	92	70	130
Copper	0.1	µg/g	<0.1			3	20	98	70	130	100	70	130
Iron	3	µg/g	<3			2	20	101	70	130	100	70	130
Lead	0.05	µg/g	<0.05			3	20	94	70	130	99	70	130
Lithium	2	µg/g	<2			6	20	101	70	130	109	70	130
Magnesium	3	µg/g	<3			2	20	99	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			2	20	100	70	130	92	70	130
Molybdenum	0.1	µg/g	<0.1			7	20	106	70	130	109	70	130
Nickel	0.1	µg/g	<0.1			1	20	99	70	130	110	70	130
Selenium	0.1	µg/g	<0.1			12	20	101	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	103	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	103	70	130	91	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	105	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	105	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			7	20	94	70	130	90	70	130
Vanadium	1	µg/g	<1			3	20	97	70	130	102	70	130
Yttrium	0.004	µg/g	<0.004			9	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	100	70	130	98	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

10-September-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 28 August 2024
 LR Report: CA19142-AUG24
 Reference: PO#1380289

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: TIR01C-10030M S44-ARDG-0013 51-MV	6: TIR01C-10030M S44-ARDG-0013 52-MV	7: TIR01C-10030M S44-ARDG-0013 53-MV	8: TIR01C-10030M S44-ARDG-0013 54-MV	9: TIR01C-10030M S44-ARDG-0013 55-MV
Sample Date & Time					22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24
Ag [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	65000	66000	68000	67000	67000
As [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	33	20	64	54	14
Ba [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	67	72	11	20	15
Be [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	0.48	0.31	0.33	0.29	0.33
Bi [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	81000	92000	77000	98000	91000
Cd [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	0.15	0.18	0.11	0.20	0.14
Co [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	45	47	54	48	51
Cr [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	93	86	120	110	100
Cu [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	110	110	130	130	120
Fe [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	72000	73000	82000	74000	77000
K [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	3700	2300	270	420	350
Li [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	72	67	47	24	57
Mg [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	32000	19000	37000	25000	29000
Mn [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	1700	2200	1500	1900	1800
Mo [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	1.4	1.1	0.8	1.3	1.0
Ni [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	130	100	140	140	140
P [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	160	230	190	190	190
Pb [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	5	4	3	3	3
Sb [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	< 0.8	< 0.8	0.9	1.0	1.0
Se [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	0.5	0.5	0.6	0.6	0.5
Sn [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	140	110	130	130	130
Ti [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	1400	3800	4400	4300	4300
Tl [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	0.15	0.12	< 0.02	< 0.02	< 0.02
U [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	0.072	0.067	0.11	0.11	0.073
V [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	210	230	230	230	230
Y [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	9.4	9.1	16	16	16
Zn [µg/g]	06-Sep-24	14:17	09-Sep-24	08:07	88	100	87	89	88

Analysis	10: TIR01C-10030M S44-ARDG-0013 56-MV	11: TIR01C-10030M S44-ARDG-0013 57-MV	12: TIR01C-10030M S44-ARDG-0013 58-MV
Sample Date & Time	22-Aug-24	22-Aug-24	22-Aug-24

SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19142-AUG24

Analysis	10: TIR01C-10030M S44-ARDG-0013 56-MV	11: TIR01C-10030M S44-ARDG-0013 57-MV	12: TIR01C-10030M S44-ARDG-0013 58-MV
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	69000	64000	63000
As [µg/g]	25	50	64
Ba [µg/g]	25	340	360
Be [µg/g]	0.36	0.46	0.48
Bi [µg/g]	< 0.09	< 0.09	< 0.09
Ca [µg/g]	88000	88000	81000
Cd [µg/g]	0.15	0.11	0.09
Co [µg/g]	49	49	44
Cr [µg/g]	97	86	73
Cu [µg/g]	120	110	100
Fe [µg/g]	76000	78000	72000
K [µg/g]	1100	3900	5000
Li [µg/g]	57	66	61
Mg [µg/g]	29000	28000	26000
Mn [µg/g]	1800	2100	1900
Mo [µg/g]	0.8	0.8	0.8
Ni [µg/g]	130	140	120
P [µg/g]	200	200	210
Pb [µg/g]	3	7	6
Sb [µg/g]	1.0	< 0.8	< 0.8
Se [µg/g]	0.5	0.6	0.5
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	130	170	160
Ti [µg/g]	4200	2200	2000
Tl [µg/g]	0.03	0.18	0.19
U [µg/g]	0.082	0.11	0.14
V [µg/g]	220	200	190
Y [µg/g]	16	10	9.5
Zn [µg/g]	88	96	89

Bulk Metals Suite

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



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: EMS0033-SEP24													
Calcium	3	µg/g	<3			2		99			80		
Phosphorus	3	µg/g	<3			4		94			87		
Potassium	3	µg/g	<3			3		99			91		
Metals - Microwave/ICP-MS - QCBatchID: EMS0033-SEP24													
Aluminum	3	µg/g	<3			3	20	93	70	130	82	70	130
Antimony	0.8	µg/g	<0.8			2	20	91	70	130	118	70	130
Arsenic	0.5	µg/g	<0.5			0	20	93	70	130	88	70	130
Barium	0.01	µg/g	<0.01			2	20	95	70	130	99	70	130
Beryllium	0.02	µg/g	<0.02			2	20	97	70	130	92	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	94	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			4	20	95	70	130	81	70	130
Cobalt	0.01	µg/g	<0.01			3	20	92	70	130	89	70	130
Copper	0.1	µg/g	<0.1			2	20	94	70	130	100	70	130
Iron	3	µg/g	<3			2	20	97	70	130	95	70	130
Lead	0.05	µg/g	<0.05			6	20	95	70	130	108	70	130
Lithium	2	µg/g	<2			2	20	100	70	130	111	70	130
Magnesium	3	µg/g	<3			2	20	102	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			2	20	94	70	130	90	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	100	70	130	94	70	130
Nickel	0.1	µg/g	<0.1			2	20	97	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			6	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	100	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	92	70	130	92	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	96	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	95	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			1	20	92	70	130	101	70	130
Vanadium	1	µg/g	<1			2	20	94	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			3	20	95	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	94	70	130	95	70	130



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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

27-September-2024

Date Rec. : 28 August 2024
LR Report: CA19143-AUG24
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: TIR01C-10030M S44-ARDG-0013 51-MV	6: TIR01C-10030M S44-ARDG-0013 52-MV	7: TIR01C-10030M S44-ARDG-0013 53-MV
Sample Date & Time					22-Aug-24	22-Aug-24	22-Aug-24
Sample weight [g]	10-Sep-24	06:48	11-Sep-24	10:09	251	250	250
Volume D.I. Water [mL]	10-Sep-24	07:19	11-Sep-24	10:09	750	750	750
pH [no unit]	11-Sep-24	06:49	11-Sep-24	10:09	8.80	8.77	9.02
pH [No unit]	11-Sep-24	13:19	12-Sep-24	10:22	7.98	7.98	7.94
Conductivity [uS/cm]	11-Sep-24	13:19	12-Sep-24	10:22	137	166	142
Alkalinity [mg/L as CaCO3]	11-Sep-24	13:19	12-Sep-24	10:22	44	46	34
SO4 [mg/L]	11-Sep-24	15:01	11-Sep-24	19:21	7	18	11
Hg (diss) [mg/L]	12-Sep-24	14:28	13-Sep-24	09:36	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.436	0.638	0.462
As (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.0027	0.0011	0.0087
Ba (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.00109	0.00054	0.00094
B (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.014	0.011	0.012
Be (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.00001	< 0.00001	< 0.00001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S44-ARDG-0013 51-MV	6: TIR01C-10030M S44-ARDG-0013 52-MV	7: TIR01C-10030M S44-ARDG-0013 53-MV
Ca (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	9.95	12.0	10.7
Cd (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.000004	0.000004	< 0.000003
Co (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.000011	0.000004	0.000010
Cr (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	3.62	2.18	1.00
Li (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.0012	0.0008	0.0003
Mg (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	3.00	2.44	2.50
Mn (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.00173	0.00326	0.00093
Mo (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.0022	0.0014	0.0014
Na (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	11.2	16.5	10.2
Ni (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.0002	< 0.0001	< 0.0001
Pb (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.0009	0.0014	0.0025
Se (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.00014	0.00049	0.00018
Si (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.86	0.88	0.96
Sn (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.0324	0.0172	0.0263
Ti (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.000002	0.000002	0.000005
V (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.00066	0.00106	0.00095
W (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	0.00373	0.00104	0.00168
Y (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:41	< 0.002	< 0.002	< 0.002

Analysis	8:	9:	10:	11:	12:	13:
	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M	TIR01C-10030M
	S44-ARDG-0013	S44-ARDG-0013	S44-ARDG-0013	S44-ARDG-0013	S44-ARDG-0013	S44-ARDG-0013
	54-MV	55-MV	56-MV	57-MV	58-MV	58-MV
Sample Date & Time	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	
Sample weight [g]	250	251	249	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.18	9.00	9.15	9.02	9.00	8.97
pH [No unit]	7.93	7.86	7.87	8.00	8.01	7.98
Conductivity [uS/cm]	151	150	155	280	281	287
Alkalinity [mg/L as CaCO3]	45	38	37	49	47	50
SO4 [mg/L]	20	14	20	22	22	23
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]	0.538	0.477	0.444	0.404	0.407	0.387
As (diss) [mg/L]	0.0154	0.0011	0.0010	0.0027	0.0027	0.0026
Ba (diss) [mg/L]	0.00122	0.00070	0.00072	0.00490	0.00521	0.00484
B (diss) [mg/L]	0.020	0.015	0.014	0.015	0.012	0.013
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]	9.59	11.9	13.1	12.0	12.0	11.7
Cd (diss) [mg/L]	0.000006	< 0.000003	0.000003	0.000004	0.000004	< 0.000003
Co (diss) [mg/L]	0.000017	< 0.000004	0.000008	0.000008	0.000005	0.000008
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	1.05	0.455	0.454	5.49	5.63	5.44
Li (diss) [mg/L]	0.0003	0.0005	0.0006	0.0005	0.0005	0.0005
Mg (diss) [mg/L]	2.45	2.94	3.19	3.81	3.85	3.85
Mn (diss) [mg/L]	0.00152	0.00149	0.00172	0.00169	0.00171	0.00165
Mo (diss) [mg/L]	0.0182	0.0016	0.0018	0.0027	0.0025	0.0024
Na (diss) [mg/L]	16.9	13.1	12.8	34.4	34.5	32.8
Ni (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	8: TIR01C-10030M S44-ARDG-0013 54-MV	9: TIR01C-10030M S44-ARDG-0013 55-MV	10: TIR01C-10030M S44-ARDG-0013 56-MV	11: TIR01C-10030M S44-ARDG-0013 57-MV	12: TIR01C-10030M S44-ARDG-0013 58-MV	13: TIR01C-10030M S44-ARDG-0013 58-MV
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0043	0.0024	0.0021	< 0.0009	< 0.0009	< 0.0009
Se (diss) [mg/L]	0.00025	0.00013	0.00014	0.00035	0.00039	0.00039
Si (diss) [mg/L]	1.27	0.93	0.96	0.89	0.91	0.91
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0153	0.0234	0.0273	0.0475	0.0478	0.0457
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000005	0.000005
U (diss) [mg/L]	0.000005	0.000005	0.000004	0.000009	0.000012	0.000009
V (diss) [mg/L]	0.00170	0.00084	0.00075	0.00067	0.00072	0.00068
W (diss) [mg/L]	0.00247	0.00322	0.00320	0.00071	0.00068	0.00073
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0208-SEP24													
Alkalinity	2	mg/L as Ca	< 2			1	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8010-SEP24													
Sulphate	2	mg/L	<2			ND	20	103	80	120	103	75	
Conductivity - QCBatchID: EWL0208-SEP24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0016-SEP24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	82	80	120	114	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0093-SEP24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	103	90	110	100	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	108	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	91	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	98	90	110	91	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			3	20	103	90	110	91	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	107	90	110	78	70	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	103	90	110	97	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			10	20	101	90	110	95	70	
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	105	90	110	102	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	102	90	110	81	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	98	90	110	79	70	
Copper (dissolved)	0.001	mg/L	<0.001			2	20	101	90	110	97	70	
Iron (dissolved)	0.007	mg/L	<0.007			4	20	108	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	104	90	110	102	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			7	20	102	90	110	88	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			3	20	110	90	110	101	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	100	90	110	93	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	104	90	110	97	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			9	20	100	90	110	93	70	
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	99	90	110	98	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	101	90	110	91	70	
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	106	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	110	90	110	74	70	
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	107	90	110	109	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	100	90	110	93	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	93	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	108	90	110	NV	70	

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)	0.0001	mg/L	<0.0001			ND	20	106	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	109	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	97	90	110	95	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	101	90	110	96	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			0	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			2	20	100	90	110	101	70	130
pH - QCBatchID: EWL0208-SEP24													
pH	0.05	No unit	NA			0		100			NA		

Agnico Eagle Mines Limited

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

25-September-2024

Date Rec. : 28 August 2024
LR Report: CA19141-AUG24
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: TIR01C-10030 MS44-ARDG-0 01351-MV	6: TIR01C-10030 MS44-ARDG-0 01352-MV	7: TIR01C-10030 MS44-ARDG-0 01353-MV	8: TIR01C-10030 MS44-ARDG-0 01354-MV	9: TIR01C-10030 MS44-ARDG-0 01355-MV	10: TIR01C-10030 MS44-ARDG-0 01356-MV
Sample Date & Time					22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24	22-Aug-24
Paste pH [no unit]	06-Sep-24	13:02	06-Sep-24	16:08	8.66	8.62	8.67	8.80	8.75	8.81
Fizz Rate [rating]	04-Sep-24	17:48	06-Sep-24	16:08	4	4	4	4	4	4
Sample weight [g]	04-Sep-24	15:20	06-Sep-24	16:08	2.04	2.01	2.00	1.99	2.00	2.03
HCl_add [mL]	06-Sep-24	07:46	06-Sep-24	16:08	120.00	144.00	80.00	115.00	103.50	100.00
HCl [Normality]	05-Sep-24	08:35	06-Sep-24	16:08	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	05-Sep-24	08:40	06-Sep-24	16:08	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Sep-24	09:11	06-Sep-24	16:08	32.01	45.29	20.91	47.77	25.24	26.55
Final pH [no unit]	06-Sep-24	08:47	06-Sep-24	16:08	1.88	1.73	1.92	1.52	1.85	1.92
NP [t CaCO3/1000 t]	06-Sep-24	09:20	06-Sep-24	16:08	216	246	148	169	196	181
AP [t CaCO3/1000 t]	06-Sep-24	09:20	06-Sep-24	16:08	1.56	3.44	3.44	3.44	5.62	4.69
Net NP [t CaCO3/1000 t]	06-Sep-24	09:20	06-Sep-24	16:08	214	242	144	165	190	176
NP/AP [ratio]	06-Sep-24	09:20	06-Sep-24	16:08	138	71.4	43.0	49.1	34.8	38.6
S [%]	03-Sep-24	17:40	04-Sep-24	17:05	0.140	0.173	0.174	0.141	0.249	0.231
Acid Leachable SO4-S [%]	04-Sep-24	16:24	04-Sep-24	17:05	0.09	0.06	0.06	0.03	0.07	0.08
Sulphide [%]	04-Sep-24	16:19	04-Sep-24	17:05	0.05	0.11	0.11	0.11	0.18	0.15



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19141-AUG24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS44-ARDG-0 01351-MV	6: TIR01C-10030 MS44-ARDG-0 01352-MV	7: TIR01C-10030 MS44-ARDG-0 01353-MV	8: TIR01C-10030 MS44-ARDG-0 01354-MV	9: TIR01C-10030 MS44-ARDG-0 01355-MV	10: TIR01C-10030 MS44-ARDG-0 01356-MV
C [%]	03-Sep-24	17:40	04-Sep-24	17:05	2.88	3.16	1.87	2.14	2.38	2.33
CO3 (HCl) as %CO3 [%]	05-Sep-24	07:32	05-Sep-24	09:07	14.0	15.2	9.02	10.2	11.3	11.1

Analysis	11: TIR01C-10030 MS44-ARDG-0 01357-MV	12: TIR01C-10030 MS44-ARDG-0 01358-MV
Sample Date & Time	22-Aug-24	22-Aug-24
Paste pH [no unit]	8.52	8.62
Fizz Rate [rating]	4	4
Sample weight [g]	2.03	2.02
HCl_add [mL]	140.00	155.00
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
Vol NaOH to pH=8.3 [mL]	44.76	63.80
Final pH [no unit]	1.70	1.57
NP [t CaCO3/1000 t]	235	226
AP [t CaCO3/1000 t]	4.06	4.38
Net NP [t CaCO3/1000 t]	231	221
NP/AP [ratio]	57.7	51.6
S [%]	0.189	0.184
Acid Leachable SO4-S [%]	0.06	0.04
Sulphide [%]	0.13	0.14
C [%]	3.15	2.95
CO3 (HCl) as %CO3 [%]	15.4	14.3

ABA - Modified Sobek

$$\begin{aligned}
 & \text{*NP (Neutralization Potential)} \\
 & = 50 \times (\text{N of HCL} \times \text{Total HCL added} - \text{N NaOH} \times \text{NaOH added}) \\
 & \text{-----} \\
 & \text{Weight of Sample}
 \end{aligned}$$



SGS Canada Inc.

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19141-AUG24

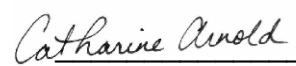
*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*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

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: ECS0003-SEP24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0004-SEP24													
Carbon (total)	0.005	%	0.0050			15	20				99	70 130	
Sulphur (total)	0.005	%	<0.005			13	20				95	70 130	
Carbon/Sulphur - QCBatchID: ECS0005-SEP24													
Sulphide	0.04	%	< 0.01			0	20	112	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

25-September-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 04 September 2024

LR Report: CA19320-SEP24

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-001359 -TIR01C-1005 OMS90-Ksc-w a	6: ARDG-001360 -TIR01C-1005 OMS90-Ksc-w a	7: ARDG-001361 -TIR01C-1005 OMS90-Ksc-w a
Sample Date & Time					27-Aug-24	27-Aug-24	27-Aug-24
Paste pH [no unit]	10-Sep-24	21:17	12-Sep-24	11:34	8.79	8.95	8.56
Fizz Rate [rating]	10-Sep-24	14:55	12-Sep-24	11:34	4	4	4
Sample weight [g]	10-Sep-24	13:44	12-Sep-24	11:34	2.00	2.00	2.03
HCl_add [mL]	11-Sep-24	13:45	12-Sep-24	11:34	55.50	50.00	51.60
HCl [Normality]	10-Sep-24	15:20	12-Sep-24	11:34	0.10	0.10	0.10
NaOH [Normality]	10-Sep-24	15:20	12-Sep-24	11:34	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	11-Sep-24	15:33	12-Sep-24	11:34	26.40	24.70	26.59
Final pH [no unit]	11-Sep-24	15:18	12-Sep-24	11:34	1.93	1.86	1.84
NP [t CaCO3/1000 t]	11-Sep-24	16:45	12-Sep-24	11:34	72.8	63.3	61.6
AP [t CaCO3/1000 t]	11-Sep-24	16:45	12-Sep-24	11:34	4.06	3.44	9.38
Net NP [t CaCO3/1000 t]	11-Sep-24	16:45	12-Sep-24	11:34	68.7	59.9	52.2
NP/AP [ratio]	11-Sep-24	16:45	12-Sep-24	11:34	17.9	18.4	6.57
S [%]	10-Sep-24	15:41	11-Sep-24	16:36	0.171	0.121	0.370
Acid Leachable SO4-S [%]	11-Sep-24	16:35	11-Sep-24	16:36	0.04	< 0.04	0.07
Sulphide [%]	11-Sep-24	15:42	11-Sep-24	16:36	0.13	0.11	0.30
C [%]	10-Sep-24	15:41	11-Sep-24	16:36	1.15	0.877	1.15
CO3 (HCl) as %CO3 [%]	12-Sep-24	08:12	12-Sep-24	09:01	5.32	4.01	4.22

Analysis	8: ARDG-001362 -TIR01C-1005 OMS90-Ksc-w a	9: ARDG-001363 -TIR01C-1005 OMS90-Ksc-w a	10: ARDG-001364 -TIR01C-1005 OMS90-Ksc-w a	11: ARDG-001365 -TIR01C-1005 OMS90-Ksc-w a
Sample Date & Time	27-Aug-24	27-Aug-24	27-Aug-24	27-Aug-24
Paste pH [no unit]	8.52	8.82	8.93	8.87
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.04	2.03	2.02	2.00
HCl_add [mL]	54.20	50.20	53.60	54.90

Analysis	8:	9:	10:	11:
	ARDG-001362	ARDG-001363	ARDG-001364	ARDG-001365
	-TIR01C-1005	-TIR01C-1005	-TIR01C-1005	-TIR01C-1005
	OMS90-Ksc-w	OMS90-Ksc-w	OMS90-Ksc-w	OMS90-Ksc-w
	a	a	a	a
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]	30.00	29.07	29.33	29.43
Final pH [no unit]	1.78	1.72	1.72	1.72
NP [t CaCO3/1000 t]	59.3	52.0	60.1	63.7
AP [t CaCO3/1000 t]	8.12	4.38	3.12	3.75
Net NP [t CaCO3/1000 t]	51.2	47.6	57.0	60.0
NP/AP [ratio]	7.30	11.9	19.2	17.0
S [%]	0.319	0.184	0.128	0.139
Acid Leachable SO4-S [%]	0.06	0.04	< 0.04	< 0.04
Sulphide [%]	0.26	0.14	0.10	0.12
C [%]	1.14	0.952	0.820	0.847
CO3 (HCl) as %CO3 [%]	4.07	3.82	3.76	3.92

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

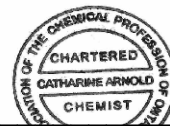
*Net NP (Net Neutralization Potential) = NP-AP

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

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: ECS0014-SEP24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS8000-SEP24													
Carbon (total)	0.005	%	<0.005			2	20				98	70 130	
Sulphur (total)	0.005	%	<0.005			7	20				109	70 130	
Carbon/Sulphur - QCBatchID: ECS8001-SEP24													
Sulphide	0.04	%	< 0.01			2	20	100	80	120			

**SGS Canada Inc.**

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

mel

Works #: Waste Rock OP TIRO01

Project : PO#1254179

25-September-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
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Fax:(819) 759-3663

Date Rec. : 04 September 2024

LR Report: CA19321-SEP24

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-001359-T IR01C-10050MS 90-Ksc-wa	6: ARDG-001360-T IR01C-10050MS 90-Ksc-wa	7: ARDG-001361-T IR01C-10050MS 90-Ksc-wa	8: ARDG-001362-T IR01C-10050MS 90-Ksc-wa	9: ARDG-001363-T IR01C-10050MS 90-Ksc-wa
Sample Date & Time					27-Aug-24	27-Aug-24	27-Aug-24	27-Aug-24	27-Aug-24
Ag [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	30000	63000	48000	41000	31000
As [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	69	22	380	310	56
Ba [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	280	430	560	440	310
Be [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	0.52	1.1	1.2	0.98	0.61
Bi [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	0.17	0.15	0.26	0.29	0.15
Ca [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	25000	26000	25000	24000	19000
Cd [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	0.07	0.08	0.08	0.09	0.07
Co [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	7.4	8.2	6.8	5.8	5.9
Cr [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	50	54	88	100	77
Cu [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	25	17	32	16	18
Fe [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	75000	120000	180000	180000	110000
K [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	7800	13000	11000	9400	6500
Li [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	16	26	15	14	16
Mg [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	7900	8000	9800	9100	7900
Mn [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	330	380	330	320	220
Mo [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	1.3	2.3	2.4	4.1	1.3
Ni [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	20	22	19	17	16
P [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	430	460	620	610	480
Pb [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	10	11	49	53	7
Sb [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	0.2	0.2	0.2	0.2	0.1
Sn [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	180	360	290	270	190
Ti [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	310	1800	1200	1000	350
Tl [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	0.16	0.21	0.27	0.23	0.16
U [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	0.76	0.88	0.99	0.90	0.81
V [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	23	41	38	32	18
Y [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	4.4	6.6	6.4	5.5	4.3
Zn [µg/g]	18-Sep-24	12:19	19-Sep-24	11:44	55	54	54	52	50

SGS Canada Inc.

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mel
Works #: Waste Rock OP TIRO01

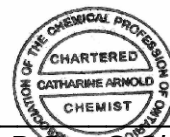
Project : PO#1254179

LR Report : CA19321-SEP24

Analysis	10:	11:
	ARDG-001364-T	ARDG-001365-T
	IR01C-10050MS	IR01C-10050MS
	90-Ksc-wa	90-Ksc-wa
Sample Date & Time	27-Aug-24	27-Aug-24
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	33000	62000
As [µg/g]	14	25
Ba [µg/g]	240	430
Be [µg/g]	0.47	0.93
Bi [µg/g]	0.10	0.09
Ca [µg/g]	24000	25000
Cd [µg/g]	0.06	0.06
Co [µg/g]	7.3	8.4
Cr [µg/g]	37	51
Cu [µg/g]	19	20
Fe [µg/g]	110000	110000
K [µg/g]	6800	13000
Li [µg/g]	25	28
Mg [µg/g]	7400	7600
Mn [µg/g]	330	350
Mo [µg/g]	1.9	1.3
Ni [µg/g]	18	19
P [µg/g]	430	410
Pb [µg/g]	5	6
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	0.2	0.1
Sn [µg/g]	< 6	< 6
Sr [µg/g]	200	330
Ti [µg/g]	500	1700
Tl [µg/g]	0.12	0.19
U [µg/g]	0.57	0.74
V [µg/g]	28	36
Y [µg/g]	4.5	4.8
Zn [µg/g]	52	52

Bulk Metals Suite

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



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: EMS0164-SEP24													
Calcium	3	µg/g	<3			3		101			94		
Phosphorus	3	µg/g	<3			3		99			90		
Potassium	3	µg/g	<3			3		102			97		
Metals - Microwave/ICP-MS - QCBatchID: EMS0164-SEP24													
Aluminum	3	µg/g	<3			1	20	100	70	130	92	70	130
Antimony	0.8	µg/g	<0.8			ND	20	105	70	130	95	70	130
Arsenic	0.5	µg/g	<0.5			0	20	103	70	130	93	70	130
Barium	0.01	µg/g	<0.01			2	20	98	70	130	99	70	130
Beryllium	0.02	µg/g	<0.02			ND	20	103	70	130	89	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	99	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			18	20	106	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			6	20	102	70	130	91	70	130
Copper	0.1	µg/g	<0.1			16	20	101	70	130	98	70	130
Iron	3	µg/g	<3			1	20	98	70	130	97	70	130
Lead	0.05	µg/g	<0.05			4	20	96	70	130	98	70	130
Lithium	2	µg/g	<2			ND	20	103	70	130	104	70	130
Magnesium	3	µg/g	<3			0	20	104	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			2	20	103	70	130	97	70	130
Molybdenum	0.1	µg/g	<0.1			12	20	102	70	130	99	70	130
Nickel	0.1	µg/g	<0.1			19	20	106	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			6	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	99	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	102	70	130	99	70	130
Thallium	0.02	µg/g	<0.02			ND	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	108	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			17	20	92	70	130	77	70	130
Uranium	0.002	µg/g	<0.002			3	20	97	70	130	91	70	130
Vanadium	1	µg/g	<1			1	20	103	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			2	20	100	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			7	20	106	70	130	98	70	130



SGS Canada Inc.

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

25-September-2024

Date Rec. : 04 September 2024
LR Report: CA19322-SEP24
Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS

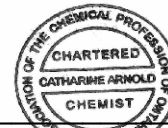
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001359-T IR01C-10050MS 90-Ksc-wa	6: ARDG-001360-T IR01C-10050MS 90-Ksc-wa	7: ARDG-001361-T IR01C-10050MS 90-Ksc-wa	8: ARDG-001362-T IR01C-10050MS 90-Ksc-wa	9: ARDG-001363-T IR01C-10050MS 90-Ksc-wa	10: ARDG-001364-T IR01C-10050MS 90-Ksc-wa	11: ARDG-001365-T IR01C-10050MS 90-Ksc-wa
Sample Date & Time					27-Aug-24	27-Aug-24	27-Aug-24	27-Aug-24	27-Aug-24	27-Aug-24	27-Aug-24
Sample weight [g]	10-Sep-24	06:48	11-Sep-24	10:09	251	250	251	250	250	250	250
Volume D.I. Water [mL]	10-Sep-24	07:19	11-Sep-24	10:09	750	750	750	750	750	750	750
pH [no unit]	11-Sep-24	06:49	11-Sep-24	10:09	8.81	9.15	8.84	8.59	8.70	8.93	8.91
pH [No unit]	11-Sep-24	13:19	12-Sep-24	10:20	8.04	7.97	7.93	7.94	8.14	8.02	8.13
Conductivity [uS/cm]	11-Sep-24	13:19	12-Sep-24	10:20	192	129	208	204	211	146	152
Alkalinity [mg/L as CaCO ₃]	11-Sep-24	13:19	12-Sep-24	10:20	59	44	51	48	61	46	49
SO ₄ [mg/L]	11-Sep-24	15:01	11-Sep-24	19:20	28	11	38	33	21	11	11
Hg (diss) [mg/L]	12-Sep-24	14:28	13-Sep-24	09:35	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.365	0.786	0.426	0.436	0.481	0.788	0.784
As (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.0018	0.0028	0.0037	0.0053	0.0014	0.0024	0.0022
Ba (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.00589	0.00274	0.0119	0.0121	0.00678	0.00250	0.00272
B (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.019	0.014	0.029	0.025	0.034	0.026	0.024
Be (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	22.0	10.9	20.9	19.9	15.1	9.67	10.1
Cd (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.000012	0.000007	0.000007	0.000005	0.000003	0.000008	0.000007
Co (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.000013	0.000005	0.000004	0.000006	< 0.000004	< 0.000004	< 0.000004
Cr (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001359-T IR01C-10050MS 90-Ksc-wa	6: ARDG-001360-T IR01C-10050MS 90-Ksc-wa	7: ARDG-001361-T IR01C-10050MS 90-Ksc-wa	8: ARDG-001362-T IR01C-10050MS 90-Ksc-wa	9: ARDG-001363-T IR01C-10050MS 90-Ksc-wa	10: ARDG-001364-T IR01C-10050MS 90-Ksc-wa	11: ARDG-001365-T IR01C-10050MS 90-Ksc-wa
Fe (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	10.0	9.66	16.2	16.9	19.0	12.1	13.2
Li (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.0017	0.0009	0.0006	0.0007	0.0007	0.0007	0.0008
Mg (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	4.08	1.28	3.01	2.91	3.29	1.23	1.29
Mn (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.00322	0.00077	0.00127	0.00131	0.00099	0.00065	0.00070
Mo (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.0200	0.0167	0.0111	0.0154	0.0119	0.0199	0.0200
Na (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	4.05	7.70	4.46	3.90	10.8	9.75	10.4
Ni (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.00009	0.00013	< 0.00009	0.00019	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.0010	< 0.0009	< 0.0009	< 0.0009	0.0012	0.0015	0.0016
Se (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.00015	0.00011	0.00016	0.00015	0.00018	0.00010	0.00013
Si (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.74	0.91	0.82	0.83	0.93	1.01	1.06
Sn (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.241	0.138	0.293	0.271	0.158	0.102	0.104
Ti (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.000086	0.000041	0.000094	0.000073	0.000074	0.000066	0.000072
V (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.00005	0.00019	0.00004	0.00005	0.00008	0.00027	0.00025
W (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	0.00077	0.00096	0.00288	0.00264	0.00194	0.00252	0.00253
Y (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	12-Sep-24	10:38	15-Sep-24	10:28	< 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



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: EWL0208-SEP24													
Alkalinity	2	mg/L as Ca	< 2			1	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8010-SEP24													
Sulphate	2	mg/L	<2			ND	20	103	80	120	103	75	125
Conductivity - QCBatchID: EWL0208-SEP24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0016-SEP24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	82	80	120	114	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0093-SEP24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	103	90	110	100	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	108	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	91	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	98	90	110	91	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			3	20	103	90	110	91	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	107	90	110	78	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	103	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			10	20	101	90	110	95	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	105	90	110	102	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	102	90	110	81	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	98	90	110	79	70	130
Copper (dissolved)	0.001	mg/L	<0.001			2	20	101	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007			4	20	108	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	104	90	110	102	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			7	20	102	90	110	88	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			3	20	110	90	110	101	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	100	90	110	93	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	104	90	110	97	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			9	20	100	90	110	93	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	99	90	110	98	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	101	90	110	91	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	106	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	110	90	110	74	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	107	90	110	109	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	100	90	110	93	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	93	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	108	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	106	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	109	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	97	90	110	95	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	101	90	110	96	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			0	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			2	20	100	90	110	101	70	130
pH - QCBatchID: EWL0208-SEP24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock OP TIR01

Project : PO#1254179

24-September-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 12 September 2024

LR Report: CA19367-SEP24

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-001366 -TIR01D-1003 OMS03-Mv	6: ARDG-001367 -TIR01D-1003 OMS03-Kwa-s	7: ARDG-001368 -TIR01D-1003 OMS03-Kwa-s
Sample Date & Time					07-Sep-24	07-Sep-24	07-Sep-24
Paste pH [no unit]	19-Sep-24	09:20	20-Sep-24	14:50	9.03	9.25	9.23
Fizz Rate [rating]	18-Sep-24	16:06	20-Sep-24	14:50	4	4	4
Sample weight [g]	18-Sep-24	14:16	20-Sep-24	14:50	2.04	2.01	2.00
HCl_add [mL]	19-Sep-24	14:52	20-Sep-24	14:50	140.00	40.00	40.00
HCl [Normality]	18-Sep-24	16:14	20-Sep-24	14:50	0.10	0.10	0.10
NaOH [Normality]	18-Sep-24	16:14	20-Sep-24	14:50	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Sep-24	16:34	20-Sep-24	14:50	49.39	25.17	25.28
Final pH [no unit]	19-Sep-24	16:23	20-Sep-24	14:50	1.70	1.63	1.55
NP [t CaCO3/1000 t]	19-Sep-24	16:58	20-Sep-24	14:50	222	36.9	36.8
AP [t CaCO3/1000 t]	19-Sep-24	16:58	20-Sep-24	14:51	5.62	6.88	3.44
Net NP [t CaCO3/1000 t]	19-Sep-24	16:58	20-Sep-24	14:51	216	30.0	33.4
NP/AP [ratio]	19-Sep-24	16:58	20-Sep-24	14:51	39.5	5.37	10.7
S [%]	19-Sep-24	08:21	19-Sep-24	14:45	0.208	0.174	0.168
Acid Leachable SO4-S [%]	19-Sep-24	13:49	19-Sep-24	14:45	< 0.04	< 0.04	0.06
Sulphide [%]	19-Sep-24	13:48	19-Sep-24	14:45	0.18	0.22	0.11
C [%]	19-Sep-24	08:21	19-Sep-24	14:45	3.02	0.592	0.598
CO3 (HCl) as %CO3 [%]	20-Sep-24	08:28	20-Sep-24	09:39	14.7	2.68	2.70

Analysis	8: ARDG-001369 -TIR01D-1003 OMS03-Mv	9: ARDG-001370 -TIR01D-1003 OMS03-Ks	10: ARDG-001371 -TIR01D-1003 OMS03-Kwa-s	11: ARDG-001372 -TIR01D-1003 OMS03-Mv	12: ARDG-001373 -TIR01D-1003 OMS03-Kwa-s	13: ARDG-001374 -TIR01D-1003 OMS03-Kwa-s
Sample Date & Time	07-Sep-24	07-Sep-24	07-Sep-24	08-Sep-24	08-Sep-24	08-Sep-24
Paste pH [no unit]	8.87	9.06	9.03	8.96	9.10	9.05
Fizz Rate [rating]	4	4	4	4	4	4
Sample weight [g]	2.01	2.00	2.02	2.00	2.00	2.02
HCl_add [mL]	160.00	55.00	40.00	115.00	40.00	40.00

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-001369	ARDG-001370	ARDG-001371	ARDG-001372	ARDG-001373	ARDG-001374
	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003
	OMS03-Mv	OMS03-Ks	OMS03-Kwa-s	OMS03-Mv	OMS03-Kwa-s	OMS03-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]	58.18	27.85	23.03	41.60	24.40	24.67
Final pH [no unit]	1.64	1.62	1.63	1.68	1.64	1.58
NP [t CaCO3/1000 t]	253	67.9	42.0	184	39.0	37.9
AP [t CaCO3/1000 t]	6.88	4.06	7.19	7.81	3.44	2.81
Net NP [t CaCO3/1000 t]	246	63.8	34.8	176	35.6	35.1
NP/AP [ratio]	36.8	16.7	5.84	23.5	11.3	13.5
S [%]	0.244	0.145	0.282	0.296	0.134	0.139
Acid Leachable SO4-S [%]	< 0.04	< 0.04	0.05	0.05	< 0.04	0.05
Sulphide [%]	0.22	0.13	0.23	0.25	0.11	0.09
C [%]	3.24	1.04	0.603	2.63	0.619	0.598
CO3 (HCl) as %CO3 [%]	15.9	4.81	2.65	12.9	2.69	2.56

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

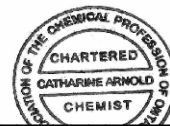
*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*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

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: ECS0046-SEP24													
Carbon (total)	0.005	%	<0.005			0	20				100	70	130
Sulphur (total)	0.005	%	<0.005			2	20				100	70	130
Carbon/Sulphur - QCBatchID: ECS0051-SEP24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0054-SEP24													
Sulphide	0.04	%	< 0.01			10	20	105	80	120			

**SGS Canada Inc.**

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 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

04-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

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Date Rec. : 12 September 2024

LR Report: CA19368-SEP24

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-001366-T ARDG-001367-T ARDG-001368-T IR01D-10030MS IR01D-10030MS IR01D-10030MS 03-Mv 03-Kwa-s 03-Kwa-s	6:	7:
Sample Date & Time					07-Sep-24	07-Sep-24	07-Sep-24
Ag [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	70000	67000	71000
As [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	12	510	510
Ba [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	32	590	590
Be [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.40	1.2	1.1
Bi [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	< 0.09	0.16	0.15
Ca [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	86000	10000	11000
Cd [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.08	0.06	0.08
Co [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	46	19	19
Cr [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	110	68	87
Cu [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	100	50	45
Fe [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	72000	34000	34000
K [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	3300	17000	18000
Li [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	75	29	30
Mg [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	25000	12000	13000
Mn [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	1500	300	290
Mo [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.2	1.2	1.3
Ni [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	110	66	65
P [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	230	430	420
Pb [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	4	14	15
Sb [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.3	0.2	0.2
Sn [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	< 6	< 6	< 6
Sr [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	250	280	280
Ti [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	570	1700	1800
Tl [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.14	0.43	0.43
U [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.051	1.12	1.04
V [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	220	83	83
Y [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	8.0	3.2	4.3
Zn [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	83	75	74

SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0
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mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19368-SEP24

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-001369-T	ARDG-001370-T	ARDG-001371-T	ARDG-001372-T	ARDG-001373-T	ARDG-001374-T
	IR01D-10030MS	IR01D-10030MS	IR01D-10030MS	IR01D-10030MS	IR01D-10030MS	IR01D-10030MS
	03-Mv	03-Ks	03-Kwa-s	03-Mv	03-Kwa-s	03-Kwa-s
Sample Date & Time	07-Sep-24	07-Sep-24	07-Sep-24	08-Sep-24	08-Sep-24	08-Sep-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	67000	74000	73000	79000	76000	78000
As [µg/g]	11	590	37	360	110	120
Ba [µg/g]	51	570	630	320	620	640
Be [µg/g]	0.43	1.3	1.2	0.92	1.2	1.3
Bi [µg/g]	< 0.09	0.12	0.16	0.13	0.47	0.44
Ca [µg/g]	92000	18000	12000	64000	13000	13000
Cd [µg/g]	0.11	0.08	0.09	0.10	0.10	0.10
Co [µg/g]	42	27	22	39	19	21
Cr [µg/g]	120	150	200	97	87	89
Cu [µg/g]	96	44	45	73	38	39
Fe [µg/g]	67000	52000	44000	71000	43000	43000
K [µg/g]	3500	29000	20000	17000	18000	18000
Li [µg/g]	70	37	38	42	37	37
Mg [µg/g]	21000	16000	14000	20000	13000	13000
Mn [µg/g]	1500	370	320	1100	410	410
Mo [µg/g]	0.4	1.7	1.6	0.9	1.6	1.5
Ni [µg/g]	110	93	74	100	66	69
P [µg/g]	220	440	470	420	460	490
Pb [µg/g]	4	7	9	7	24	21
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.4	0.2	0.2	0.3	0.3	0.2
Sn [µg/g]	6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	210	110	250	210	290	300
Ti [µg/g]	570	2800	3100	2600	2700	2800
Tl [µg/g]	0.12	0.82	0.46	0.59	0.41	0.39
U [µg/g]	0.057	1.41	1.60	0.95	1.65	1.62
V [µg/g]	210	140	110	170	91	90
Y [µg/g]	9.5	7.1	5.7	9.6	6.2	6.3
Zn [µg/g]	76	71	75	75	71	70

Bulk Metals Suite


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

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: EMS0275-SEP24													
Calcium	3	µg/g	<3			1		103			88		
Phosphorus	3	µg/g	<3			16		100			93		
Potassium	3	µg/g	<3			1		103			96		
Metals - Microwave/ICP-MS - QCBatchID: EMS0275-SEP24													
Aluminum	3	µg/g	<3			1	20	102	70	130	88	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	82	70	130
Arsenic	0.5	µg/g	<0.5			2	20	101	70	130	100	70	130
Barium	0.01	µg/g	<0.01			1	20	101	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			4	20	106	70	130	81	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	108	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			17	20	106	70	130	86	70	130
Cobalt	0.01	µg/g	<0.01			1	20	101	70	130	95	70	130
Copper	0.1	µg/g	<0.1			1	20	107	70	130	106	70	130
Iron	3	µg/g	<3			2	20	99	70	130	98	70	130
Lead	0.05	µg/g	<0.05			0	20	103	70	130	99	70	130
Lithium	2	µg/g	<2			0	20	105	70	130	92	70	130
Magnesium	3	µg/g	<3			0	20	107	70	130	96	70	130
Manganese	0.1	µg/g	<0.1			2	20	105	70	130	94	70	130
Molybdenum	0.1	µg/g	<0.1			6	20	99	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			0	20	106	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			20	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	104	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	98	70	130	95	70	130
Thallium	0.02	µg/g	<0.02			ND	20	91	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	101	70	130	Error!	70	130
Titanium	0.1	µg/g	<0.1			1	20	95	70	130	84	70	130
Uranium	0.002	µg/g	<0.002			0	20	95	70	130	90	70	130
Vanadium	1	µg/g	<1			1	20	112	70	130	101	70	130
Yttrium	0.004	µg/g	<0.004			1	20	94	70	130	Error!	70	130
Zinc	0.7	µg/g	<0.7			2	20	103	70	130	93	70	130



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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine

, Nunavut

X0C 0A0, Canada

Phone: (819) 759-3555

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

04-October-2024

Date Rec. : 12 September 2024
LR Report: CA19369-SEP24
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-001366 -TIR01D-1003 OMS03-Mv	6: ARDG-001367 -TIR01D-1003 OMS03-Kwa-s	7: ARDG-001368 -TIR01D-1003 OMS03-Kwa-s	8: ARDG-001369 -TIR01D-1003 OMS03-Mv	9: ARDG-001370 -TIR01D-1003 OMS03-Ks	10: ARDG-001371 -TIR01D-1003 OMS03-Kwa-s
Sample Date & Time					07-Sep-24	07-Sep-24	07-Sep-24	07-Sep-24	07-Sep-24	07-Sep-24
Sample weight [g]	24-Sep-24	14:10	26-Sep-24	16:06	250	250	250	251	250	250
Volume D.I. Water [mL]	25-Sep-24	06:16	26-Sep-24	16:06	750	750	750	750	750	750
pH [no unit]	26-Sep-24	06:15	26-Sep-24	16:06	8.74	8.94	8.96	8.72	8.90	8.79
pH [No unit]	26-Sep-24	15:33	30-Sep-24	10:17	8.16	8.71	8.67	7.96	8.17	8.01
Conductivity [uS/cm]	26-Sep-24	15:33	27-Sep-24	14:35	227	248	251	323	288	305
Alkalinity [mg/L as CaCO3]	26-Sep-24	15:33	27-Sep-24	14:35	52	58	57	48	57	43
SO4 [mg/L]	26-Sep-24	14:09	26-Sep-24	20:27	22	27	27	29	26	47
Hg (diss) [mg/L]	30-Sep-24	13:39	30-Sep-24	15:00	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.531	0.380	0.385	0.486	0.313	0.507
As (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.0027	0.209	0.189	0.0029	0.131	0.0362
Ba (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.00112	0.00324	0.00302	0.00065	0.00283	0.00374
B (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.016	0.048	0.046	0.021	0.057	0.015
Be (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001366 -TIR01D-1003 OMS03-Mv	6: ARDG-001367 -TIR01D-1003 OMS03-Kwa-s	7: ARDG-001368 -TIR01D-1003 OMS03-Kwa-s	8: ARDG-001369 -TIR01D-1003 OMS03-Mv	9: ARDG-001370 -TIR01D-1003 OMS03-Ks	10: ARDG-001371 -TIR01D-1003 OMS03-Kwa-s
Bi (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	11.9	8.21	8.47	12.2	8.54	13.2
Cd (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.000003	< 0.000003	0.000003	0.000004	0.000003	< 0.000003
Co (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.000016	0.000028	0.000032	0.000018	0.000045	0.000037
Cr (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.00008	0.00012	0.00010	< 0.00008	0.00010	< 0.00008
Cu (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.007	0.010	0.010	< 0.007	0.018	< 0.007
K (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	4.28	17.7	17.9	5.47	21.6	20.9
Li (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.0011	0.0009	0.0009	0.0008	0.0007	0.0008
Mg (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	3.52	2.74	2.66	3.11	2.66	3.71
Mn (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.00209	0.00033	0.00050	0.00185	0.00055	0.00120
Mo (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.0025	0.0083	0.0084	0.0170	0.0082	0.0075
Na (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	25.1	25.5	27.1	41.4	31.1	25.6
Ni (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.0001	0.0002	0.0002	< 0.0001	0.0002	0.0002
Pb (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00009	< 0.00009
Sb (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.0016	0.0068	0.0069	0.0017	0.0094	0.0070
Se (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.00057	0.00025	0.00023	0.00070	0.00041	0.00040
Si (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.94	1.78	1.72	1.14	1.60	1.43
Sn (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.00006	0.00013	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.0475	0.0388	0.0390	0.0404	0.0274	0.0670
Ti (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.0001	0.0007	0.0006	< 0.0001	0.0011	0.0003
Tl (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000008	0.000011
U (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.000005	0.000240	0.000245	0.000012	0.000122	0.000174
V (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.00057	0.00232	0.00228	0.00094	0.00161	0.00099
W (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	0.00077	0.00297	0.00346	0.0176	0.00367	0.00202
Y (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00003	< 0.00002
Zn (diss) [mg/L]	30-Sep-24	20:57	01-Oct-24	12:43	< 0.002	< 0.002	< 0.002	0.003	< 0.002	< 0.002

Analysis	11: ARDG-001372 -TIR01D-1003 OMS03-Mv	12: ARDG-001373 -TIR01D-1003 OMS03-Kwa-s	13: ARDG-001374 -TIR01D-1003 OMS03-Kwa-s	14: ARDG-001374 -TIR01D-1003 OMS03-Kwa-s	15:BLK: SD.I. Leachate Blank
Sample Date & Time	08-Sep-24	08-Sep-24	08-Sep-24		
Sample weight [g]	250	250	251	250	---
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	8.71	8.92	8.89	8.89	5.62
pH [No unit]	8.00	8.27	8.24	8.28	7.11
Conductivity [uS/cm]	192	264	266	271	< 2
Alkalinity [mg/L as CaCO3]	62	54	55	55	< 2
SO4 [mg/L]	17	28	28	29	< 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]	0.558	0.363	0.362	0.369	< 0.001
As (diss) [mg/L]	0.0342	0.103	0.102	0.103	< 0.0002
Ba (diss) [mg/L]	0.00148	0.00322	0.00328	0.00313	0.00013
B (diss) [mg/L]	0.015	0.045	0.043	0.048	< 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]	10.5	9.19	9.13	9.31	< 0.01
Cd (diss) [mg/L]	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000034	0.000044	0.000046	0.000045	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	13.6	16.8	16.7	17.2	< 0.009
Li (diss) [mg/L]	0.0008	0.0009	0.0009	0.0009	< 0.0001
Mg (diss) [mg/L]	4.45	2.37	2.29	2.42	0.005
Mn (diss) [mg/L]	0.00234	0.00049	0.00047	0.00024	0.00002
Mo (diss) [mg/L]	0.0077	0.0074	0.0115	0.0080	< 0.0004
Na (diss) [mg/L]	12.5	27.5	28.0	29.0	< 0.01

Analysis	11: ARDG-001372 -TIR01D-1003 OMS03-Mv	12: ARDG-001373 -TIR01D-1003 OMS03-Kwa-s	13: ARDG-001374 -TIR01D-1003 OMS03-Kwa-s	14: ARDG-001374 -TIR01D-1003 OMS03-Kwa-s	15:BLK: SD.I. Leachate Blank
Ni (diss) [mg/L]	0.0002	0.0002	0.0002	0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0024	0.0066	0.0066	0.0069	< 0.0009
Se (diss) [mg/L]	0.00053	0.00031	0.00040	0.00036	< 0.00004
Si (diss) [mg/L]	1.05	1.61	1.60	1.66	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00013	< 0.00006
Sr (diss) [mg/L]	0.0353	0.0470	0.0475	0.0477	< 0.00008
Ti (diss) [mg/L]	< 0.0001	0.0005	0.0005	0.0004	< 0.0001
Tl (diss) [mg/L]	0.000006	0.000005	0.000010	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000053	0.000153	0.000176	0.000159	< 0.000002
V (diss) [mg/L]	0.00070	0.00160	0.00151	0.00159	< 0.00001
W (diss) [mg/L]	0.00171	0.00167	0.00167	0.00163	0.00023
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



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

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: EWL0601-SEP24													
Alkalinity	2	mg/L as Ca	2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8051-SEP24													
Sulphate	2	mg/L	<2			ND	20	102	80	120	100	75	
Conductivity - QCBatchID: EWL0601-SEP24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0053-SEP24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	124	80	120	119	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0328-SEP24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	102	90	110	113	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	109	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	102	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	100	90	110	100	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	104	90	110	97	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	80	70	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	105	90	110	98	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	98	90	110	105	70	
Calcium (dissolved)	0.01	mg/L	<0.01			ND	20	99	90	110	99	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	100	90	110	123	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	97	90	110	96	70	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	97	90	110	98	70	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	98	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	96	90	110	98	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	97	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			ND	20	99	90	110	99	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	105	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	99	90	110	100	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	104	70	
Potassium (dissolved)	0.009	mg/L	<0.009			ND	20	103	90	110	103	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	94	90	110	102	70	
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	97	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	93	90	110	80	70	
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	96	90	110	99	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			ND	20	99	90	110	97	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	98	90	110	100	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	

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)	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	97	90	110	97	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	100	90	110	102	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	87	70	130
pH - QCBatchID: EWL0601-SEP24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0652-SEP24													
pH	0.05	No unit	NA			0		100			NA		

18-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 24 September 2024
LR Report: CA19436-SEP24
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: TIR01C-10025MS31 -ARDG-001375-Kw a-s	6: TIR01C-10025MS31 -ARDG-001376-Kw a-s	7: TIR01C-10025MS31 -ARDG-001377-Kw a-s	8: TIR01C-10025MS31 -ARDG-001378-Kw a-s	9: TIR01C-10025MS31 -ARDG-001379-Kw a-s	10: TIR01C-10025MS31 -ARDG-001380-Kw a-s	11: TIR01C-10025MS31 -ARDG-001381-Kw a-s	12: TIR01C-10025MS31 -ARDG-001382-Kw a-s
Sample Date & Time	28-Sep-24	12:41	30-Sep-24	10:23	10-Sep-24	10-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24
Paste pH [no unit]	28-Sep-24	12:41	30-Sep-24	10:23	8.34	8.50	9.12	8.83	8.95	8.98	8.93	8.69
Fizz Rate [rating]	27-Sep-24	11:48	30-Sep-24	10:23	4	4	4	4	4	4	4	4
Sample weight [g]	27-Sep-24	10:51	30-Sep-24	10:23	2.01	2.01	2.01	2.03	2.03	2.04	2.01	2.01
HCl_add [mL]	28-Sep-24	10:57	30-Sep-24	10:23	65.00	40.00	162.60	140.00	140.00	180.00	40.00	40.00
HCl [Normality]	27-Sep-24	12:00	30-Sep-24	10:23	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	27-Sep-24	12:00	30-Sep-24	10:23	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28-Sep-24	12:25	30-Sep-24	10:23	26.22	21.97	68.92	57.47	52.73	87.73	22.99	22.17
Final pH [no unit]	28-Sep-24	12:15	30-Sep-24	10:23	1.96	1.73	1.54	1.58	1.65	1.51	1.59	1.59
NP [t CaCO3/1000 t]	28-Sep-24	12:50	30-Sep-24	10:23	96.5	44.8	233	203	215	226	42.3	44.3
AP [t CaCO3/1000 t]	30-Sep-24	13:13	30-Sep-24	13:13	40.3	25.6	4.38	4.06	3.75	8.12	6.25	13.8
Net NP [t CaCO3/1000 t]	30-Sep-24	13:13	30-Sep-24	13:13	56.2	19.2	229	199	211	218	36.0	30.6
NP/AP [ratio]	30-Sep-24	13:13	30-Sep-24	13:13	2.39	1.75	53.3	50.0	57.3	27.8	6.77	3.22
S [%]	27-Sep-24	11:23	30-Sep-24	13:13	1.38	1.13	0.174	0.157	0.154	0.244	0.362	0.748
Acid Leachable SO4-S [%]	30-Sep-24	13:13	30-Sep-24	13:13	0.09	0.31	< 0.04	< 0.04	< 0.04	< 0.04	0.16	0.31
Sulphide [%]	30-Sep-24	12:21	30-Sep-24	13:13	1.29	0.82	0.14	0.13	0.12	0.26	0.20	0.44
C [%]	27-Sep-24	11:23	30-Sep-24	09:18	1.93	1.03	3.01	2.79	2.82	3.34	0.745	0.647
CO3 (HCl) as %CO3 [%]	30-Sep-24	08:41	30-Sep-24	09:18	8.84	3.35	14.7	13.6	13.8	16.4	2.67	2.57

Analysis	13: TIR01C-10025MS31 -ARDG-001383-Kw a-s	14: TIR01C-10025MS31 -ARDG-001384-Kw a-s	15: TIR01C-10025MS31 -ARDG-001385-Kw a-s	16: TIR01C-10025MS31 -ARDG-001386-Kw a-s	17: TIR01C-10025MS31 -ARDG-001387-Kw a-s
Sample Date & Time	16-Sep-24	16-Sep-24	16-Sep-24	17-Sep-24	17-Sep-24
Paste pH [no unit]	8.18	9.23	9.35	9.42	9.40
Fizz Rate [rating]	4	4	3	3	4

Analysis	13:	14:	15:	16:	17:
	TIR01C-10025MS31	TIR01C-10025MS31	TIR01C-10025MS31	TIR01C-10025MS31	TIR01C-10025MS31
	-ARDG-001383-Kw	-ARDG-001384-Kw	-ARDG-001385-Kw	-ARDG-001386-Kw	-ARDG-001387-Kw
	a-s	a-s	a-s	a-s	a-s
Sample weight [g]	2.02	2.01	2.00	2.00	2.00
HCl_add [mL]	80.00	40.00	30.01	30.00	40.00
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]	33.38	22.45	17.19	13.88	23.34
Final pH [no unit]	1.84	1.56	1.72	1.83	1.51
NP [t CaCO3/1000 t]	115	43.7	32.0	40.3	41.6
AP [t CaCO3/1000 t]	50.9	10.3	2.19	4.69	5.62
Net NP [t CaCO3/1000 t]	64.5	33.4	29.8	35.6	36.0
NP/AP [ratio]	2.27	4.24	14.6	8.60	7.40
S [%]	1.79	0.650	0.124	0.229	0.199
Acid Leachable SO4-S [%]	0.16	0.32	0.05	0.08	< 0.04
Sulphide [%]	1.63	0.33	0.07	0.15	0.18
C [%]	1.99	0.763	0.468	0.580	0.556
CO3 (HCl) as %CO3 [%]	9.44	2.82	2.02	2.57	2.43

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0074-SEP24													
Carbon (total)	0.005	%	<0.005			0	20				96	70	13
Sulphur (total)	0.005	%	<0.005			9	20				99	70	13
Carbon/Sulphur - QCBatchID: ECS0078-SEP24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0079-SEP24													
Sulphide	0.04	%	< 0.01			7	20	98	80	120			



SGS Canada Inc.

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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

18-October-2024

Date Rec. : 24 September 2024
LR Report: CA19437-SEP24
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: TIR01C-10025M S31-ARDG-001 375-Kwa-s	6: TIR01C-10025M S31-ARDG-001 376-Kwa-s	7: TIR01C-10025M S31-ARDG-001 377-Kwa-s	8: TIR01C-10025M S31-ARDG-001 378-Kwa-s	9: TIR01C-10025M S31-ARDG-001 379-Kwa-s	10: TIR01C-10025M S31-ARDG-001 380-Kwa-s	11: TIR01C-10025M S31-ARDG-001 381-Kwa-s
Sample Date & Time					10-Sep-24	10-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24
Ag [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	48000	88000	74000	77000	77000	74000	79000
As [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	210	230	190	70	100	150	49
Ba [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	360	720	300	69	100	130	810
Be [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	0.73	1.5	0.49	0.31	0.34	0.50	1.3
Bi [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	0.32	0.36	< 0.09	< 0.09	< 0.09	< 0.09	0.28
Ca [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	36000	18000	95000	83000	85000	76000	14000
Cd [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	0.24	0.15	0.19	0.10	0.13	0.14	0.15
Co [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	11	19	46	50	46	47	20
Cr [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	64	88	96	90	85	87	120
Cu [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	67	72	110	99	100	100	64
Fe [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	110000	81000	69000	71000	71000	72000	46000
K [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	7000	17000	4800	2700	5200	9500	17000
Li [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	29	44	67	56	65	35	39
Mg [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	10000	15000	19000	22000	20000	22000	14000
Mn [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	980	510	2100	2000	2100	2300	390
Mo [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	2.8	2.3	0.4	0.2	0.3	0.4	1.9

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025MTIR01C-10025M S31-ARDG-001 375-Kwa-s	6: TIR01C-10025MTIR01C-10025M S31-ARDG-001 376-Kwa-s	7: TIR01C-10025MTIR01C-10025M S31-ARDG-001 377-Kwa-s	8: TIR01C-10025MTIR01C-10025M S31-ARDG-001 378-Kwa-s	9: TIR01C-10025MTIR01C-10025M S31-ARDG-001 379-Kwa-s	10: TIR01C-10025MTIR01C-10025M S31-ARDG-001 380-Kwa-s	11: TIR01C-10025MTIR01C-10025M S31-ARDG-001 381-Kwa-s
Ni [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	29	61	99	110	100	110	69
P [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	740	600	260	280	270	250	460
Pb [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	40	13	6	4	4	6	13
Sb [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	0.7	0.8	0.5	0.4	0.4	0.4	0.4
Sn [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	270	300	130	99	110	130	300
Ti [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	1200	2100	4500	3500	4500	4300	1400
Tl [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	0.16	0.39	0.22	0.11	0.21	0.44	0.41
U [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	1.4	1.7	0.071	0.077	0.058	0.25	1.7
V [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	54	85	240	240	250	230	88
Y [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	7.1	7.9	8.6	7.6	7.6	5.4	6.4
Zn [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	88	110	110	100	110	110	91

Analysis	12: TIR01C-10025MTIR01C-10025M S31-ARDG-001 382-Kwa-s	13: TIR01C-10025MTIR01C-10025M S31-ARDG-001 383-Kwa-s	14: TIR01C-10025MTIR01C-10025M S31-ARDG-001 384-Kwa-s	15: TIR01C-10025MTIR01C-10025M S31-ARDG-001 385-Kwa-s	16: TIR01C-10025MTIR01C-10025M S31-ARDG-001 386-Kwa-s	17: TIR01C-10025MTIR01C-10025M S31-ARDG-001 387-Kwa-s
Sample Date & Time	16-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24	17-Sep-24	17-Sep-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	73000	41000	89000	85000	81000	74000
As [µg/g]	150	120	26	110	58	53
Ba [µg/g]	940	160	890	930	550	560
Be [µg/g]	1.4	0.31	1.3	1.4	1.1	1.2
Bi [µg/g]	0.48	0.28	0.33	0.28	0.18	0.16
Ca [µg/g]	15000	44000	16000	11000	14000	12000
Cd [µg/g]	0.12	0.23	0.10	0.08	0.10	0.12
Co [µg/g]	16	8.2	23	23	21	21
Cr [µg/g]	110	72	120	150	120	120
Cu [µg/g]	74	88	68	48	55	51
Fe [µg/g]	57000	110000	48000	46000	37000	37000
K [µg/g]	19000	2900	19000	26000	19000	19000

Analysis	12:	13:	14:	15:	16:	17:
	TIR01C-10025M	TIR01C-10025M	TIR01C-10025M	TIR01C-10025M	TIR01C-10025M	TIR01C-10025M
	S31-ARDG-001	S31-ARDG-001	S31-ARDG-001	S31-ARDG-001	S31-ARDG-001	S31-ARDG-001
	382-Kwa-s	383-Kwa-s	384-Kwa-s	385-Kwa-s	386-Kwa-s	387-Kwa-s
Li [µg/g]	42	32	38	49	37	38
Mg [µg/g]	14000	11000	14000	17000	15000	14000
Mn [µg/g]	370	1000	380	350	410	390
Mo [µg/g]	1.9	1.5	1.8	1.8	1.5	1.5
Ni [µg/g]	53	25	71	87	72	70
P [µg/g]	520	670	480	470	450	450
Pb [µg/g]	37	5	11	12	14	12
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.6	0.6	0.5	0.3	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	280	200	320	260	290	280
Ti [µg/g]	2300	990	1500	1800	990	1100
Tl [µg/g]	0.43	0.05	0.44	0.60	0.44	0.45
U [µg/g]	1.5	0.74	1.7	1.7	1.5	1.5
V [µg/g]	75	35	92	130	98	92
Y [µg/g]	5.1	6.3	7.1	5.4	6.3	5.3
Zn [µg/g]	90	85	83	100	84	84

Bulk Metals Suite



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

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: EMS0317-SEP24													
Calcium	3	µg/g	<3			3		105			96		
Phosphorus	3	µg/g	<3			4		103			90		
Potassium	3	µg/g	<3			3		106			98		
Metals - Microwave/ICP-MS - QCBatchID: EMS0317-SEP24													
Aluminum	3	µg/g	<3			4	20	108	70	130	102	70	130
Antimony	0.8	µg/g	<0.8			ND	20	102	70	130	76	70	130
Arsenic	0.5	µg/g	<0.5			15	20	105	70	130	108	70	130
Barium	0.01	µg/g	<0.01			3	20	100	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			1	20	96	70	130	81	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	99	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			6	20	104	70	130	86	70	130
Cobalt	0.01	µg/g	<0.01			2	20	104	70	130	93	70	130
Copper	0.1	µg/g	<0.1			8	20	105	70	130	99	70	130
Iron	3	µg/g	<3			4	20	103	70	130	96	70	130
Lead	0.05	µg/g	<0.05			2	20	101	70	130	98	70	130
Lithium	2	µg/g	<2			1	20	94	70	130	93	70	130
Magnesium	3	µg/g	<3			4	20	109	70	130	100	70	130
Manganese	0.1	µg/g	<0.1			1	20	108	70	130	100	70	130
Molybdenum	0.1	µg/g	<0.1			18	20	105	70	130	100	70	130
Nickel	0.1	µg/g	<0.1			2	20	105	70	130	104	70	130
Selenium	0.1	µg/g	<0.1			5	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	105	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	106	70	130	102	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	101	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	101	70	130	85	70	130
Uranium	0.002	µg/g	<0.002			2	20	102	70	130	87	70	130
Vanadium	1	µg/g	<1			2	20	108	70	130	99	70	130
Yttrium	0.004	µg/g	<0.004			3	20	103	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			4	20	110	70	130	99	70	130

22-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 24 September 2024
LR Report: CA19438-SEP24
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: TIR01C-10025 MS31-ARDG- 001375-Kwa-	6: TIR01C-10025 MS31-ARDG- 001376-Kwa-	7: TIR01C-10025 MS31-ARDG- 001377-Kwa-	8: TIR01C-10025 MS31-ARDG- 001378-Kwa-	9: TIR01C-10025 MS31-ARDG- 001379-Kwa-	10: TIR01C-10025 MS31-ARDG- 001380-Kwa-	11: TIR01C-10025 MS31-ARDG- 001381-Kwa-
Sample Date & Time					10-Sep-24	10-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24
Sample weight [g]	30-Sep-24	13:05	03-Oct-24	16:25	249	250	250	250	250	250	250
Volume D.I. Water [mL]	02-Oct-24	06:30	03-Oct-24	16:25	750	750	750	750	750	750	750
pH [no unit]	03-Oct-24	06:12	03-Oct-24	16:25	7.88	8.15	8.76	8.69	8.74	8.69	8.80
pH [No unit]	03-Oct-24	13:56	04-Oct-24	11:06	8.05	7.93	8.10	7.95	8.01	8.08	7.91
Conductivity [uS/cm]	03-Oct-24	13:56	04-Oct-24	11:06	554	488	229	213	218	331	363
Alkalinity [mg/L as Ca]	03-Oct-24	13:56	04-Oct-24	11:06	80	56	49	56	55	72	45
SO4 [mg/L]	03-Oct-24	15:15	22-Oct-24	10:32	150	140	27	20	25	50	38
Hg (diss) [mg/L]	04-Oct-24	15:46	04-Oct-24	15:21	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.073	0.172	0.841	0.616	0.626	0.417	0.581
As (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.0014	0.0042	0.0462	0.0170	0.0246	0.0702	0.0391
Ba (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.0123	0.0120	0.00113	0.00068	0.00056	0.00139	0.00493
B (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.014	0.017	0.013	0.009	0.011	0.029	0.017
Be (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Online LIMS

0001060300

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025 MS31-ARDG- 001375-Kwa-	6: TIR01C-10025 MS31-ARDG- 001376-Kwa-	7: TIR01C-10025 MS31-ARDG- 001377-Kwa-	8: TIR01C-10025 MS31-ARDG- 001378-Kwa-	9: TIR01C-10025 MS31-ARDG- 001379-Kwa-	10: TIR01C-10025 MS31-ARDG- 001380-Kwa-	11: TIR01C-10025 MS31-ARDG- 001381-Kwa-
Ca (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	71.6	48.5	12.0	13.1	12.6	13.4	14.3
Cd (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.000010	< 0.000003	< 0.000003	0.000005	0.000003	< 0.000003	0.000004
Co (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.000131	0.000103	0.000032	0.000030	0.000042	0.000118	0.000164
Cr (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.00008	0.00017	0.00011	< 0.00008	0.00012	0.00009	0.00010
Cu (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	10.4	19.3	4.18	2.62	4.40	11.3	18.4
Li (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.0027	0.0023	0.0011	0.0012	0.0013	0.0014	0.0011
Mg (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	10.7	9.18	2.02	3.53	3.54	6.45	3.79
Mn (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.0561	0.0166	0.00279	0.00334	0.00383	0.00566	0.00136
Mo (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.0120	0.0061	0.0029	0.0106	0.0113	0.0041	0.0180
Na (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	17.8	21.0	27.0	22.5	22.6	36.7	38.7
Ni (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.0004	0.0003	< 0.0001	< 0.0001	< 0.0001	0.0007	< 0.0001
Pb (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.00082	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.0010	0.0024	0.0047	0.0019	0.0047	0.0046	0.0057
Se (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.00114	0.00113	0.00114	0.00071	0.00115	0.00193	0.00064
Si (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	1.20	1.32	1.01	1.02	0.97	1.19	1.28
Sn (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.548	0.309	0.0176	0.0202	0.0163	0.0278	0.0845
Ti (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.0001	< 0.0001	0.0002	0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000011	< 0.000005
U (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.000700	0.000309	0.000014	0.000007	0.000011	0.000129	0.000154
V (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.00007	0.00010	0.00173	0.00098	0.00098	0.00097	0.00084
W (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	0.0012	0.0016	0.0013	0.0008	0.0009	0.0008	0.0012
Y (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	04-Oct-24	14:46	08-Oct-24	10:43	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	12: TIR01C-10025TIR01C-10025TIR01C-10025TIR01C-10025TIR01C-10025TIR01C-10025	13: MS31-ARDG- MS31-ARDG- MS31-ARDG- MS31-ARDG- MS31-ARDG- MS31-ARDG- MS31-ARDG- MS31-ARDG-	14: 001382-Kwa- 001383-Kwa- 001384-Kwa- 001385-Kwa- 001386-Kwa- 001387-Kwa- 001387-Kwa-	15:	16:	17:	18:	19:BLK: \$D.I. Leachate Blank
Sample Date & Time	16-Sep-24	16-Sep-24	16-Sep-24	16-Sep-24	17-Sep-24	17-Sep-24		
Sample weight [g]	249	250	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750
pH [no unit]	8.54	7.75	9.01	9.11	9.16	9.18	9.19	5.61
pH [No unit]	7.90	8.01	7.96	8.20	8.17	8.17	8.09	5.89
Conductivity [uS/cm]	403	607	190	200	170	174	165	4
Alkalinity [mg/L as Ca]	47	88	47	56	50	50	50	< 2
SO4 [mg/L]	45	140	22	14	17	17	16	< 2
Hg (diss) [mg/L]	< 0.00001	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	< 0.00005
Al (diss) [mg/L]	0.494	0.046	0.790	0.490	0.503	0.488	0.498	< 0.001
As (diss) [mg/L]	0.0115	0.0007	0.0211	0.109	0.0464	0.0484	0.0480	< 0.0002
Ba (diss) [mg/L]	0.00660	0.00775	0.00242	0.00283	0.00197	0.00224	0.00200	< 0.00008
B (diss) [mg/L]	0.016	0.009	0.012	0.047	0.040	0.042	0.040	< 0.002
Be (diss) [mg/L]	< 0.000007	< 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	< 0.00001
Ca (diss) [mg/L]	18.7	83.9	9.03	6.84	6.92	7.19	7.08	< 0.01
Cd (diss) [mg/L]	< 0.000003	0.000009	0.000008	0.000004	0.000018	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000153	0.000057	0.000019	0.000047	0.000031	0.000031	0.000023	< 0.000004
Cr (diss) [mg/L]	0.00016	< 0.00008	0.00013	0.00024	0.00017	0.00020	0.00016	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	0.012	0.009	0.008	0.007	< 0.007
K (diss) [mg/L]	18.4	4.42	16.0	19.9	14.7	14.9	14.2	0.109
Li (diss) [mg/L]	0.0013	0.0025	0.0006	0.0008	0.0008	0.0008	0.0008	< 0.0001
Mg (diss) [mg/L]	4.22	13.3	1.93	1.60	1.68	1.73	1.63	0.001
Mn (diss) [mg/L]	0.00184	0.0627	0.00070	0.00044	0.00030	0.00024	0.00021	0.00002
Mo (diss) [mg/L]	0.0083	0.0134	0.0142	0.0117	0.0039	0.0038	0.0063	< 0.0004
Na (diss) [mg/L]	40.1	14.6	15.9	19.1	16.2	16.9	15.8	0.03
Ni (diss) [mg/L]	< 0.0001	0.0006	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Analysis	12: TIR01C-10025 MS31-ARDG- 001382-Kwa-	13: TIR01C-10025 MS31-ARDG- 001383-Kwa-	14: TIR01C-10025 MS31-ARDG- 001384-Kwa-	15: TIR01C-10025 MS31-ARDG- 001385-Kwa-	16: TIR01C-10025 MS31-ARDG- 001386-Kwa-	17: TIR01C-10025 MS31-ARDG- 001387-Kwa-	18: TIR01C-10025 MS31-ARDG- 001387-Kwa-	19:BLK: \$D.I. Leachate Blank
Pb (diss) [mg/L]	0.00010	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0044	< 0.0009	0.0062	0.0070	0.0067	0.0070	0.0067	< 0.0009
Se (diss) [mg/L]	0.00071	0.00067	0.00025	0.00027	0.00023	0.00024	0.00023	< 0.00004
Si (diss) [mg/L]	1.26	1.07	1.36	1.68	1.75	1.74	1.79	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.130	0.779	0.0453	0.0312	0.0296	0.0297	0.0293	< 0.00008
Ti (diss) [mg/L]	< 0.0001	< 0.0001	0.0002	0.0010	0.0008	0.0006	0.0006	< 0.0001
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000028	0.000034	0.000044	< 0.000005
U (diss) [mg/L]	0.000243	0.000122	0.000115	0.000129	0.000213	0.000234	0.000199	< 0.000002
V (diss) [mg/L]	0.00032	< 0.00001	0.00121	0.00220	0.00222	0.00224	0.00221	0.00003
W (diss) [mg/L]	0.0053	0.0007	0.0016	0.0024	0.0018	0.0019	0.0017	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	0.00003	0.00006	0.00002	0.00003	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0072-OCT24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8011-OCT24													
Sulphate	2	mg/L	<2			ND	20	105	80	120	103	75	125
Conductivity - QCBatchID: EWL0072-OCT24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0008-OCT24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	119	80	120	115	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0044-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	99	90	110	104	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			3	20	98	90	110	88	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			0	20	99	90	110	98	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			10	20	99	90	110	101	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	91	90	110	109	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	95	90	110	101	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			8	20	92	90	110	108	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	102	90	110	96	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	98	90	110	98	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			6	20	103	90	110	101	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	101	90	110	92	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	92	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			4	20	96	90	110	105	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	101	90	110	98	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	100	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			5	20	100	90	110	94	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			5	20	100	90	110	99	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	109	90	110	96	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	95	90	110	97	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	99	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	97	90	110	76	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	103	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	94	90	110	98	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	99	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			2	20	100	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			4	20	93	90	110	98	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			4	20	100	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	94	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	95	90	110	100	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0062-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	101	90	110	86	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	102	90	110	114	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	98	90	110	111	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	98	90	110	100	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	100	90	110	97	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	96	90	110	89	70	130
Boron (dissolved)	0.002	mg/L	<0.002			0	20	104	90	110	99	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	94	90	110	99	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	98	90	110	100	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	99	90	110	100	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			9	20	92	90	110	96	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	102	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	94	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	101	90	110	73	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	102	90	110	101	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	96	90	110	99	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			2	20	104	90	110	72	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			2	20	97	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	101	90	110	95	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			12	20	95	90	110	104	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			4	20	101	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	93	90	110	83	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	98	90	110	106	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	97	90	110	98	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			15	20	97	90	110	97	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	107	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	106	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			1	20	108	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	95	90	110	101	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			0	20	97	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	91	90	110	NV	70	130

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
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	96	90	110	105	70	130
pH - QCBatchID: EWL0072-OCT24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

11-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 26 September 2024
 LR Report: CA19445-SEP24
 Reference: Meliandine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001388-T Completed IR01C-10045MS Time	5: ARDG-001389-T IR01C-10045MS 92-Ksc-wa	6: ARDG-001390-T IR01C-10045MS 92-Ksc-wa	7: IR01C-10045MS 92-Ksc-wa
Sample Date & Time					19-Sep-24	19-Sep-24	19-Sep-24
Paste pH [no unit]	04-Oct-24	18:44	07-Oct-24	08:57	9.05	9.18	9.04
Fizz Rate [rating]	03-Oct-24	15:23	07-Oct-24	08:57	4	4	4
Sample weight [g]	02-Oct-24	17:23	07-Oct-24	08:57	2.02	2.01	2.01
HCl_add [mL]	03-Oct-24	14:49	07-Oct-24	08:57	55.00	55.00	55.00
HCl [Normality]	03-Oct-24	15:58	07-Oct-24	08:57	0.10	0.10	0.10
NaOH [Normality]	03-Oct-24	15:58	07-Oct-24	08:57	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	03-Oct-24	16:08	07-Oct-24	08:57	31.28	30.03	25.44
Final pH [no unit]	03-Oct-24	15:58	07-Oct-24	08:57	1.61	1.72	1.76
NP [t CaCO3/1000 t]	03-Oct-24	18:58	07-Oct-24	08:57	58.7	62.1	73.5
AP [t CaCO3/1000 t]	03-Oct-24	18:58	07-Oct-24	08:57	3.44	2.50	6.88
Net NP [t CaCO3/1000 t]	03-Oct-24	18:58	07-Oct-24	08:57	55.3	59.6	66.6
NP/AP [ratio]	03-Oct-24	18:58	07-Oct-24	08:57	17.1	24.8	10.7
S [%]	03-Oct-24	06:03	03-Oct-24	16:34	0.209	0.158	0.444
Acid Leachable SO4-S [%]	03-Oct-24	16:34	03-Oct-24	16:34	0.10	0.08	0.22
Sulphide [%]	03-Oct-24	16:28	03-Oct-24	16:34	0.11	0.08	0.22
C [%]	03-Oct-24	06:03	03-Oct-24	16:34	0.785	0.833	0.970
CO3 (HCl) as %CO3 [%]	04-Oct-24	08:21	04-Oct-24	09:24	3.55	3.84	4.60

Analysis	8: ARDG-001391-T IR01C-10045MS 92-Ksc-wa	9: ARDG-001392-T IR01C-10045MS 92-Ksc-wa	10: ARDG-001393-T IR01C-10045MS 92-Ksc-wa
Sample Date & Time	19-Sep-24	19-Sep-24	19-Sep-24
Paste pH [no unit]	9.20	9.11	9.06
Fizz Rate [rating]	4	4	4
Sample weight [g]	2.00	2.01	2.01
HCl_add [mL]	40.00	50.00	51.40
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10

Analysis	8:	9:	10:
	ARDG-001391-T	ARDG-001392-T	ARDG-001393-T
	IR01C-10045MS	IR01C-10045MS	IR01C-10045MS
	92-Ksc-wa	92-Ksc-wa	92-Ksc-wa
Vol NaOH to pH=8.3 [mL]	23.87	27.21	29.77
Final pH [no unit]	1.72	1.73	1.62
NP [t CaCO ₃ /1000 t]	40.3	56.7	53.8
AP [t CaCO ₃ /1000 t]	1.56	1.56	2.19
Net NP [t CaCO ₃ /1000 t]	38.7	55.1	51.6
NP/AP [ratio]	25.8	36.3	24.6
S [%]	0.108	0.112	0.132
Acid Leachable SO ₄ -S [%]	0.06	0.06	0.06
Sulphide [%]	0.05	0.05	0.07
C [%]	0.537	0.765	0.688
CO ₃ (HCl) as %CO ₃ [%]	2.43	3.57	3.26

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.

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	g	NA	Sample weight
	mL		MEND PROJECT 1.16.1B
	mL	NA	MEND PROJECT 1.16.1B
	no unit	NA	SM 4500
	Normality	NA	MEND PROJECT 1.16.1B
	rating	NA	MEND PROJECT 1.16.1B
	ratio	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
	t CaCO ₃ /1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Acid Potential	t CaCO ₃ /1000 t	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	t CaCO ₃ /1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	no unit	ME-CA-[ENV]ARD-LAK-AN-005	ARD Prediction Manual 2009

Catharine Arnold

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

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: ECS0011-OCT24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0012-OCT24													
Carbon (total)	0.005	%	<0.005			0	20				97	70 130	
Sulphur (total)	0.005	%	<0.005			2	20				104	70 130	
Carbon/Sulphur - QCBatchID: ECS0017-OCT24													
Sulphide	0.04	%	< 0.01			14	20	102	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine

, Nunavut

X0C 0A0, Canada

Phone: (819) 759-3555

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

28-October-2024

Date Rec. : 26 September 2024
LR Report: CA19446-SEP24
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-001388-T IR01C-10045MS 92-Ksc-wa	6: ARDG-001389-T IR01C-10045MS 92-Ksc-wa	7: ARDG-001390-T IR01C-10045MS 92-Ksc-wa	8: ARDG-001391-T IR01C-10045MS 92-Ksc-wa	9: ARDG-001392-T IR01C-10045MS 92-Ksc-wa	10: ARDG-001393-T IR01C-10045MS 92-Ksc-wa
Sample Date & Time					19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24
Ag [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	64000	66000	64000	71000	66000	66000
As [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	62	40	27	11	25	12
Ba [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	470	500	390	490	520	530
Be [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	1.1	1.2	0.89	1.2	1.1	1.2
Bi [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.12	0.11	0.15	< 0.09	< 0.09	< 0.09
Ca [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	22000	23000	29000	16000	20000	18000
Cd [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.09	0.09	0.10	0.07	0.08	0.09
Co [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	8.9	8.6	7.8	8.7	9.6	9.6
Cr [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	28	29	25	46	35	47
Cu [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	32	32	41	21	23	22
Fe [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	93000	84000	90000	63000	85000	88000
K [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	14000	15000	12000	13000	18000	18000
Li [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	32	32	27	30	35	35
Mg [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	7800	8000	7700	7600	8300	8100
Mn [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	320	330	410	260	310	310
Mo [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	1.3	1.2	1.3	1.0	1.0	1.1
Ni [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	20	24	17	20	25	26
P [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	450	400	470	360	420	570
Pb [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	6	7	8	11	7	7

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001388-T IR01C-10045MS 92-Ksc-wa	6: ARDG-001389-T IR01C-10045MS 92-Ksc-wa	7: ARDG-001390-T IR01C-10045MS 92-Ksc-wa	8: ARDG-001391-T IR01C-10045MS 92-Ksc-wa	9: ARDG-001392-T IR01C-10045MS 92-Ksc-wa	10: ARDG-001393-T IR01C-10045MS 92-Ksc-wa
Sb [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.2	0.2	0.2	0.2	0.1	0.2
Sn [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	310	320	340	350	250	240
Ti [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	1900	2000	1800	2000	2100	2100
Tl [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.25	0.27	0.20	0.24	0.30	0.30
U [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.89	0.91	0.85	0.99	1.04	1.07
V [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	38	40	35	37	44	45
Y [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	5.5	5.6	5.4	5.4	5.8	5.9
Zn [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	56	56	58	64	63	61

Bulk Metals Suite

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	µg/g	ME-CA-[ENV]SPE-LAK-AN-001	EPA 3052/200.8
	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8

Catharine Arnold

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

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: EMS0219-OCT24													
Calcium	3	µg/g	<3			1		101			89		
Phosphorus	3	µg/g	<3			2		98			81		
Potassium	3	µg/g	<3			0		100			88		
Metals - Microwave/ICP-MS - QCBatchID: EMS0219-OCT24													
Aluminum	3	µg/g	<3			0	20	105	70	130	91	70	130
Antimony	0.8	µg/g	<0.8			ND	20	103	70	130	104	70	130
Arsenic	0.5	µg/g	<0.5			1	20	105	70	130	90	70	130
Barium	0.01	µg/g	<0.01			3	20	99	70	130	97	70	130
Beryllium	0.02	µg/g	<0.02			0	20	102	70	130	88	70	130
Bismuth	0.09	µg/g	<0.09			18	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			16	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	101	70	130	71	70	130
Cobalt	0.01	µg/g	<0.01			1	20	104	70	130	86	70	130
Copper	0.1	µg/g	<0.1			2	20	106	70	130	96	70	130
Iron	3	µg/g	<3			0	20	101	70	130	93	70	130
Lead	0.05	µg/g	<0.05			4	20	101	70	130	98	70	130
Lithium	2	µg/g	<2			0	20	99	70	130	96	70	130
Magnesium	3	µg/g	<3			0	20	101	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			0	20	105	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	105	70	130	101	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			12	20	105	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	103	70	130	101	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	101	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			0	20	105	70	130	82	70	130
Uranium	0.002	µg/g	<0.002			3	20	100	70	130	85	70	130
Vanadium	1	µg/g	<1			0	20	105	70	130	89	70	130
Yttrium	0.004	µg/g	<0.004			1	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	109	70	130	96	70	130

07-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 26 September 2024
LR Report: CA19447-SEP24
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-001388-T IR01C-10045MS 92-Ksc-wa	6: ARDG-001389-T IR01C-10045MS 92-Ksc-wa	7: ARDG-001390-T IR01C-10045MS 92-Ksc-wa	8: ARDG-001391-T IR01C-10045MS 92-Ksc-wa	9: ARDG-001392-T IR01C-10045MS 92-Ksc-wa	10: ARDG-001393-T IR01C-10045MS 92-Ksc-wa	11: ARDG-001393-T IR01C-10045MS 92-Ksc-wa
Sample Date & Time					19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	19-Sep-24	
Sample weight [g]	30-Sep-24	12:53	03-Oct-24	16:23	250	250	251	251	250	251	250
Volume D.I. Water [mL]	01-Oct-24	07:00	03-Oct-24	16:23	750	750	750	750	750	750	750
pH [no unit]	02-Oct-24	06:13	03-Oct-24	16:23	8.95	9.14	8.91	9.32	9.05	8.98	8.95
pH [No unit]	02-Oct-24	12:48	03-Oct-24	09:55	8.75	8.46	8.12	8.23	8.26	8.18	8.09
Conductivity [uS/cm]	02-Oct-24	12:48	03-Oct-24	09:55	163	162	177	178	166	169	171
Alkalinity [mg/L as CaCO3]	02-Oct-24	12:48	03-Oct-24	09:55	55	52	51	51	54	55	55
SO4 [mg/L]	02-Oct-24	11:11	02-Oct-24	15:42	10	9	18	11	9	9	9
Hg (diss) [mg/L]	03-Oct-24	14:56	04-Oct-24	10:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.649	0.681	0.706	0.532	0.762	0.801	0.809
As (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.0017	0.0017	0.0021	0.0032	0.0020	0.0020	0.0021
Ba (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.00293	0.00303	0.00307	0.00289	0.00313	0.00329	0.00386
B (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.039	0.041	0.013	0.045	0.013	0.012	0.013
Be (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	7.88	7.48	10.4	6.82	8.39	8.80	8.83
Cd (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.000012	0.000031	0.000007	0.000008	< 0.000003	0.000004	0.000008
Co (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.000121	0.000033	0.000172	0.000029	0.000077	0.000057	0.000020
Cr (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.012	0.010	< 0.007	0.033	< 0.007	< 0.007	< 0.007

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Date	4: Analysis ARDG-001388-T Completed IR01C-10045MS Time	5: ARDG-001389-T 92-Ksc-wa	6: ARDG-001390-T 92-Ksc-wa	7: ARDG-001391-T 92-Ksc-wa	8: ARDG-001392-T 92-Ksc-wa	9: ARDG-001393-T 92-Ksc-wa	10: ARDG-001393-T 92-Ksc-wa	11: ARDG-001393-T 92-Ksc-wa
K (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	15.5	15.0	13.8	12.2	21.7	22.4	23.5
Li (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.0012	0.0013	0.0009	0.0009	0.0010	0.0010	0.0011
Mg (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.827	0.907	1.14	0.902	1.16	1.21	1.22
Mn (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.00046	0.00030	0.00129	0.00024	0.00063	0.00065	0.00067
Mo (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.0034	0.0055	0.0059	0.0034	0.0028	0.0080	0.0029
Na (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	13.0	13.2	12.7	19.0	7.90	8.34	8.60
Ni (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.0053	0.0012	0.0041	0.0006	0.0021	0.0006	0.0005
Pb (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.0013	0.0012	0.0021	0.0032	0.0013	0.0013	0.0013
Se (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.00018	0.00015	0.00011	0.00019	0.00009	0.00007	0.00012
Si (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	1.12	1.16	1.09	1.60	0.90	0.94	0.99
Sn (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.0842	0.0773	0.106	0.0552	0.0949	0.0973	0.0959
Ti (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.0003	0.0003	< 0.0001	0.0010	< 0.0001	< 0.0001	0.0002
Tl (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.000009	0.000032	< 0.000005	0.000008	0.000006	0.000007	0.000008
U (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.000095	0.000051	0.000089	0.000149	0.000150	0.000036	0.000077
V (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.00030	0.00036	0.00024	0.00075	0.00024	0.00021	0.00024
W (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	0.00112	0.00091	0.00182	0.00184	0.00105	0.00112	0.00113
Y (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	< 0.00002	< 0.00002	< 0.00002	0.00004	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	03-Oct-24	08:41	04-Oct-24	10:12	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0037-OCT24													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5000-OCT24													
Sulphate	2	mg/L	<2			0	20	104	80	120	102	75	125
Conductivity - QCBatchID: EWL0037-OCT24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0005-OCT24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	115	80	120	129	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0025-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	104	90	110	97	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	98	90	110	100	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			1	20	98	90	110	80	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	98	90	110	96	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			1	20	98	90	110	72	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	100	90	110	76	70	130
Boron (dissolved)	0.002	mg/L	<0.002			0	20	104	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			1	20	101	90	110	96	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	101	90	110	96	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	100	90	110	80	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			1	20	95	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			2	20	97	90	110	97	70	130
Iron (dissolved)	0.007	mg/L	<0.007			3	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			2	20	98	90	110	88	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	104	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			3	20	99	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	99	90	110	94	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			3	20	106	90	110	100	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			2	20	98	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	100	90	110	95	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			3	20	99	90	110	93	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	99	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	70	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	100	90	110	110	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	100	90	110	123	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			2	20	103	90	110	99	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	103	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			5	20	103	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	108	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	101	90	110	101	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	93	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			0	20	97	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			1	20	97	90	110	102	70	130
pH - QCBatchID: EWL0037-OCT24													
pH	0.05	No unit	NA			1		100			NA		

25-September-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 06 September 2024
LR Report: CA19572-SEP24
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-001343 -TIR01D-1003 OMS01-Mv	6: ARDG-001344 -TIR01D-1003 OMS01-Mv	7: ARDG-001345 -TIR01D-1003 OMS01-Ksc-w a	8: ARDG-001346 -TIR01D-1003 OMS01-Ksc-w a	9: ARDG-001347 -TIR01D-1003 OMS01-Ksc-w a	10: ARDG-001348 -TIR01D-1003 OMS01-Mv
Sample Date & Time					29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	01-Sep-24
Paste pH [no unit]	12-Sep-24	09:55	13-Sep-24	13:10	8.99	8.67	8.89	8.92	8.54	8.90
Fizz Rate [rating]	11-Sep-24	16:26	13-Sep-24	13:10	4	4	4	4	4	4
Sample weight [g]	11-Sep-24	16:34	13-Sep-24	13:10	2.01	2.00	2.03	2.00	2.03	2.04
HCl_add [mL]	12-Sep-24	14:43	13-Sep-24	13:10	163.00	55.00	80.00	60.00	80.00	180.00
HCl [Normality]	11-Sep-24	16:34	13-Sep-24	13:10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	11-Sep-24	16:30	13-Sep-24	13:10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12-Sep-24	16:37	13-Sep-24	13:10	70.91	26.66	42.05	34.37	48.96	78.05
Final pH [no unit]	12-Sep-24	16:25	13-Sep-24	13:10	1.59	1.91	1.63	1.64	1.67	1.61
NP [t CaCO3/1000 t]	12-Sep-24	16:48	13-Sep-24	13:10	229	70.8	93.5	64.1	76.5	250
AP [t CaCO3/1000 t]	13-Sep-24	14:07	13-Sep-24	14:07	2.50	5.94	4.69	4.69	6.88	8.75
Net NP [t CaCO3/1000 t]	13-Sep-24	14:07	13-Sep-24	14:07	227	64.9	88.8	59.4	69.6	241
NP/AP [ratio]	13-Sep-24	14:07	13-Sep-24	14:07	91.6	11.9	19.9	13.7	11.13	28.6
S [%]	12-Sep-24	13:04	13-Sep-24	14:07	0.123	0.233	0.204	0.195	0.292	0.364
Acid Leachable SO4-S [%]	13-Sep-24	13:03	13-Sep-24	14:07	< 0.04	< 0.04	0.05	< 0.04	0.07	0.08
Sulphide [%]	13-Sep-24	13:01	13-Sep-24	14:07	0.08	0.19	0.15	0.15	0.22	0.28



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19572-SEP24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001343 -TIR01D-1003 OMS01-Mv	6: ARDG-001344 -TIR01D-1003 OMS01-Mv	7: ARDG-001345 -TIR01D-1003 OMS01-Ksc-w a	8: ARDG-001346 -TIR01D-1003 OMS01-Ksc-w a	9: ARDG-001347 -TIR01D-1003 OMS01-Ksc-w a	10: ARDG-001348 -TIR01D-1003 OMS01-Mv
C [%]	12-Sep-24	13:04	13-Sep-24	10:03	2.86	1.01	1.43	1.00	1.23	3.65
CO3 (HCl) as %CO3 [%]	13-Sep-24	07:59	13-Sep-24	10:03	14.1	4.94	6.78	4.67	6.03	18.0

Analysis	11: ARDG-001349 -TIR01D-1003 OMS01-kwa	12: ARDG-001350 -TIR01D-1003 OMS01-kwa
Sample Date & Time	02-Sep-24	02-Sep-24
Paste pH [no unit]	9.16	9.17
Fizz Rate [rating]	4	4
Sample weight [g]	2.03	2.02
HCl_add [mL]	40.00	40.00
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19.62	20.56
Final pH [no unit]	1.96	1.86
NP [t CaCO3/1000 t]	50.2	48.1
AP [t CaCO3/1000 t]	3.75	3.44
Net NP [t CaCO3/1000 t]	46.4	44.7
NP/AP [ratio]	13.4	14.0
S [%]	0.166	0.175
Acid Leachable SO4-S [%]	< 0.04	0.06
Sulphide [%]	0.12	0.11
C [%]	0.752	0.719
CO3 (HCl) as %CO3 [%]	3.41	3.20

ABA - Modified Sobek

$$\begin{aligned}
 &*NP \text{ (Neutralization Potential)} \\
 &= 50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added}) \\
 &\text{-----} \\
 &\text{Weight of Sample}
 \end{aligned}$$



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19572-SEP24

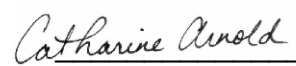
*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*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

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: ECS0027-SEP24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	95	80	120			
Carbon/Sulphur - QCBatchID: ECS0034-SEP24													
Carbon (total)	0.005	%	<0.005			0	20				98	70 130	
Sulphur (total)	0.005	%	<0.005			2	20				104	70 130	
Carbon/Sulphur - QCBatchID: ECS0037-SEP24													
Sulphide	0.04	%	< 0.01			5	20	92	80	120			

04-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 06 September 2024
LR Report: CA19573-SEP24
Reference: Meliadine - PO#1254179

Copy: #1

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

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:	11:	12:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-001343-TARDG-001344-TARDG-001345-TARDG-001346-TARDG-001347-TARDG-001348-TARDG-001349-TARDG-001350-T IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS 01-Mv 01-Mv 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Mv 01-kwa 01-kwa							
Sample Date & Time					29-Aug-24	29-Aug-24	30-Aug-24	30-Aug-24	31-Aug-24	01-Sep-24	02-Sep-24	02-Sep-24
CN(T) [µg/g]	01-Oct-24	08:14	03-Oct-24	15:26	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
CN(Free) [µg/g]	25-Sep-24	08:15	25-Sep-24	13:48	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	01-Oct-24	08:14	03-Oct-24	15:26	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ag [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	70000	82000	87000	75000	53000	72000	77000	76000
As [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	24	520	350	180	37	120	100	94
Ba [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	87	630	660	680	390	420	580	580
Be [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	0.34	1.6	1.4	1.5	1.0	0.83	1.2	1.2
Bi [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	< 0.09	0.17	0.13	0.18	0.10	< 0.09	0.13	0.14
Ca [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	85000	22000	27000	15000	22000	70000	18000	17000
Cd [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	0.09	0.15	0.08	0.04	0.06	0.10	0.11	0.10
Co [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	43	21	23	24	7.2	40	18	20
Cr [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	110	93	92	160	90	150	81	80
Cu [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	98	40	40	48	18	78	37	36
Fe [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	76000	68000	51000	51000	150000	68000	36000	35000
K [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	2500	18000	23000	23000	7900	17000	18000	18000
Li [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	92	39	22	27	21	34	30	29
Mg [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	30000	15000	14000	14000	11000	24000	11000	11000
Mn [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	1500	370	400	310	400	1400	420	400
Mo [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	0.2	2.2	1.4	2.6	1.0	1.9	1.5	2.4

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001343-TARDG-001344-TARDG-001345-TARDG-001346-TARDG-001347-TARDG-001348-TARDG-001349-TARDG-001350-T IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS IR01D-10030MS 01-Mv 01-Mv 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Mv 01-kwa 01-kwa	6:	7:	8:	9:	10:	11:	12:
Ni [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	120	74	67	80	19	110	62	60
P [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	230	560	650	490	560	300	420	410
Pb [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	5	12	5	6	6	10	13	13
Sb [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	0.2	0.2	0.2	0.2	0.1	0.3	0.2	0.2
Sn [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	180	150	170	130	260	320	330	320
Ti [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	510	2500	3400	3000	1600	3200	2800	2700
Tl [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	0.11	0.69	0.60	0.63	0.19	0.57	0.44	0.42
U [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	0.14	1.6	1.6	1.5	1.0	0.5	1.6	1.6
V [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	220	110	130	120	39	190	78	78
Y [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	8.8	8.3	7.8	6.2	4.4	6.4	5.8	5.9
Zn [µg/g]	27-Sep-24	01:40	27-Sep-24	16:19	79	80	55	60	48	60	59	57

Bulk Metals Suite



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

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: EMS0275-SEP24													
Calcium	3	µg/g	<3			1		103			88		
Phosphorus	3	µg/g	<3			16		100			93		
Potassium	3	µg/g	<3			1		103			96		
Cyanide by SFA - QCBatchID: SKA5082-SEP24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	97	80	120	87	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0275-SEP24													
Aluminum	3	µg/g	<3			1	20	102	70	130	88	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	82	70	130
Arsenic	0.5	µg/g	<0.5			2	20	101	70	130	100	70	130
Barium	0.01	µg/g	<0.01			1	20	101	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			4	20	106	70	130	81	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	108	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			17	20	106	70	130	86	70	130
Cobalt	0.01	µg/g	<0.01			1	20	101	70	130	95	70	130
Copper	0.1	µg/g	<0.1			1	20	107	70	130	106	70	130
Iron	3	µg/g	<3			2	20	99	70	130	98	70	130
Lead	0.05	µg/g	<0.05			0	20	103	70	130	99	70	130
Lithium	2	µg/g	<2			0	20	105	70	130	92	70	130
Magnesium	3	µg/g	<3			0	20	107	70	130	96	70	130
Manganese	0.1	µg/g	<0.1			2	20	105	70	130	94	70	130
Molybdenum	0.1	µg/g	<0.1			6	20	99	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			0	20	106	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			20	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	104	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	98	70	130	95	70	130
Thallium	0.02	µg/g	<0.02			ND	20	91	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	101	70	130	Error!	70	130
Titanium	0.1	µg/g	<0.1			1	20	95	70	130	84	70	130
Uranium	0.002	µg/g	<0.002			0	20	95	70	130	90	70	130
Vanadium	1	µg/g	<1			1	20	112	70	130	101	70	130
Yttrium	0.004	µg/g	<0.004			1	20	94	70	130	Error!	70	130
Zinc	0.7	µg/g	<0.7			2	20	103	70	130	93	70	130



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/Alexandre Langlais-Bourassa

Meliadine,

Canada, X0C 0A0

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

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

24-September-2024

Date Rec. : 06 September 2024
LR Report: CA19574-SEP24
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-001343 -TIR01D-1003 OMS01-Mv	6: ARDG-001344 -TIR01D-1003 OMS01-Mv	7: ARDG-001345 -TIR01D-1003 OMS01-Ksc-w a	8: ARDG-001346 -TIR01D-1003 OMS01-Ksc-w a	9: ARDG-001347 -TIR01D-1003 OMS01-Ksc-w a	10: ARDG-001348 -TIR01D-1003 OMS01-Mv
Sample Date & Time					29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	29-Aug-24	01-Sep-24
Sample weight [g]	11-Sep-24	16:36	13-Sep-24	13:12	250	250	251	251	250	250
Volume D.I. Water [mL]	12-Sep-24	06:40	13-Sep-24	13:12	750	750	750	750	750	750
pH [no unit]	13-Sep-24	06:15	13-Sep-24	13:12	8.80	8.79	8.91	8.86	8.27	8.52
pH [No unit]	13-Sep-24	14:07	17-Sep-24	14:19	8.10	8.08	8.07	8.34	8.22	8.34
Conductivity [uS/cm]	13-Sep-24	14:07	17-Sep-24	14:19	166	353	296	270	295	274
Alkalinity [mg/L as CaCO3]	13-Sep-24	14:07	17-Sep-24	14:19	45	55	70	59	76	81
SO4 [mg/L]	17-Sep-24	09:24	18-Sep-24	09:24	11	34	13	14	51	41
Hg (diss) [mg/L]	16-Sep-24	20:32	20-Sep-24	10:21	< 0.00001	0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.596	0.473	0.613	0.615	0.251	0.422
As (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.0026	0.0207	0.0290	0.0374	0.0009	0.0303
Ba (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.00205	0.00507	0.00293	0.00294	0.0101	0.00307
B (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.024	0.036	0.017	0.020	0.021	0.027
Be (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.00001	0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001

Online LIMS

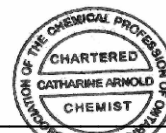
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001343 -TIR01D-1003 OMS01-Mv	6: ARDG-001344 -TIR01D-1003 OMS01-Mv	7: ARDG-001345 -TIR01D-1003 OMS01-Ksc-w a	8: ARDG-001346 -TIR01D-1003 OMS01-Ksc-w a	9: ARDG-001347 -TIR01D-1003 OMS01-Ksc-w a	10: ARDG-001348 -TIR01D-1003 OMS01-Mv
Ca (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	10.1	12.0	11.6	10.5	27.9	15.3
Cd (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.000003	0.000019	0.000011	0.000041	0.000009	0.000004
Co (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.000018	0.000016	0.000034	0.000037	0.000016	0.000079
Cr (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.00008	< 0.00008	< 0.00008	0.00027	< 0.00008	< 0.00008
Cu (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.001	< 0.001	< 0.001	0.058	< 0.001	< 0.001
Fe (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.007	< 0.007	< 0.007	0.030	< 0.007	< 0.007
K (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	4.90	19.2	24.6	24.2	12.7	20.8
Li (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.0008	0.0009	0.0006	0.0006	0.0015	0.0015
Mg (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	2.13	3.72	4.02	3.56	7.92	9.71
Mn (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.00127	0.00139	0.00141	0.00095	0.00606	0.00387
Mo (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.0029	0.0275	0.0243	0.0076	0.0233	0.0057
Na (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	19.8	45.4	26.2	26.7	16.3	18.9
Ni (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.0001	0.0003	0.0001	0.0002	0.0001	0.0004
Pb (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.00009	< 0.00009	< 0.00009	0.00459	< 0.00009	< 0.00009
Sb (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.0012	0.0021	0.0036	0.0040	< 0.0009	0.0043
Se (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.00017	0.00032	0.00014	0.00018	0.00027	0.00086
Si (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.97	1.35	1.38	1.31	1.14	1.27
Sn (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.00006	< 0.00006	< 0.00006	0.00114	< 0.00006	< 0.00006
Sr (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.0374	0.0581	0.0345	0.0308	0.191	0.0544
Ti (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.0001	0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.000005	0.000013	0.000010	0.000008	0.000007	0.000010
U (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.000012	0.000290	0.000083	0.000092	0.000280	0.000101
V (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.00071	0.00052	0.00092	0.00098	0.00007	0.00069
W (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	0.00057	0.00122	0.00136	0.00133	0.00121	0.00200
Y (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	18-Sep-24	19:15	20-Sep-24	10:21	< 0.002	< 0.002	< 0.002	0.026	< 0.002	< 0.002

Analysis	11: ARDG-001349 -TIR01D-1003 OMS01-kwa	12: ARDG-001350 -TIR01D-1003 OMS01-kwa
Sample Date & Time	02-Sep-24	02-Sep-24
Sample weight [g]	250	251
Volume D.I. Water [mL]	750	750
pH [no unit]	8.90	8.95
pH [No unit]	8.99	8.87
Conductivity [uS/cm]	251	258
Alkalinity [mg/L as CaCO3]	57	64
SO4 [mg/L]	30	29
Hg (diss) [mg/L]	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.336	0.337
As (diss) [mg/L]	0.206	0.206
Ba (diss) [mg/L]	0.00393	0.00386
B (diss) [mg/L]	0.055	0.052
Be (diss) [mg/L]	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001
Ca (diss) [mg/L]	9.91	9.77
Cd (diss) [mg/L]	0.000009	< 0.000003
Co (diss) [mg/L]	0.000026	0.000022
Cr (diss) [mg/L]	0.00037	0.00030
Cu (diss) [mg/L]	< 0.001	< 0.001
Fe (diss) [mg/L]	0.010	0.008
K (diss) [mg/L]	19.3	19.5
Li (diss) [mg/L]	0.0010	0.0010
Mg (diss) [mg/L]	2.34	2.38
Mn (diss) [mg/L]	0.00045	0.00032
Mo (diss) [mg/L]	0.0270	0.0110
Na (diss) [mg/L]	30.4	29.0
Ni (diss) [mg/L]	0.0003	0.0003
Pb (diss) [mg/L]	< 0.00009	< 0.00009

Analysis	11: ARDG-001349 -TIR01D-1003 0MS01-kwa	12: ARDG-001350 -TIR01D-1003 0MS01-kwa
Sb (diss) [mg/L]	0.0090	0.0087
Se (diss) [mg/L]	0.00027	0.00024
Si (diss) [mg/L]	1.84	1.80
Sn (diss) [mg/L]	0.00035	< 0.00006
Sr (diss) [mg/L]	0.0445	0.0449
Ti (diss) [mg/L]	0.0006	0.0005
Tl (diss) [mg/L]	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000413	0.000377
V (diss) [mg/L]	0.00212	0.00215
W (diss) [mg/L]	0.00277	0.00262
Y (diss) [mg/L]	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 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



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: EWL0282-SEP24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Alkalinity - QCBatchID: EWL0299-SEP24													
Alkalinity	2	mg/L as Ca	< 2			ND	20	94	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO5011-SEP24													
Sulphate	2	mg/L	<2			ND	20	104	80	120	101	75 125	
Conductivity - QCBatchID: EWL0282-SEP24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Conductivity - QCBatchID: EWL0299-SEP24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0023-SEP24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	114	80	120	NV	70 130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0153-SEP24													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	100	90	110	106	70 130	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	100	90	110	102	70 130	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	101	70 130	
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	103	90	110	97	70 130	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	108	90	110	88	70 130	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	106	90	110	103	70 130	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	109	90	110	103	70 130	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	102	90	110	97	70 130	
Calcium (dissolved)	0.01	mg/L	<0.01			ND	20	101	90	110	105	70 130	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	104	90	110	93	70 130	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	102	90	110	94	70 130	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	99	90	110	91	70 130	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	105	90	110	100	70 130	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	104	90	110	100	70 130	
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	104	90	110	87	70 130	
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	100	90	110	101	70 130	
Manganese (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	95	70 130	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			5	20	103	90	110	84	70 130	
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	102	90	110	91	70 130	
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	103	90	110	99	70 130	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	102	90	110	96	70 130	
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	98	90	110	NV	70 130	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	100	90	110	70	70 130	

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
Sodium (dissolved)	0.01	mg/L	<0.01			9	20	104	90	110	107	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			ND	20	98	90	110	98	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	107	90	110	103	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	100	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	106	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	105	90	110	96	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			0	20	98	90	110	94	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	100	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	103	90	110	100	70	130
pH - QCBatchID: EWL0282-SEP24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0299-SEP24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0311-SEP24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

04-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 03 October 2024

LR Report: CA19626-OCT24

Reference: Meliadine - PO#1380289

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-001394 ARDG-001395 ARDG-001396 -TIR01C-1002 5MS33-Kwa-s	6: ARDG-001395 ARDG-001396 ARDG-001396 -TIR01C-1002 5MS33-Kwa-s	7: ARDG-001396 ARDG-001396 ARDG-001396 -TIR01C-1002 5MS33-Kwa-s
Sample Date & Time					27-Sep-24	27-Sep-24	27-Sep-24
Paste pH [no unit]	15-Oct-24	16:31	16-Oct-24	13:15	9.15	9.17	9.33
Fizz Rate [rating]	31-Oct-24	15:54	16-Oct-24	13:15	3	3	3
Sample weight [g]	31-Oct-24	13:41	04-Nov-24	13:31	2.04	2.00	2.01
HCl_add [mL]	01-Nov-24	14:44	04-Nov-24	13:31	20.00	20.00	20.00
HCl [Normality]	31-Oct-24	16:18	04-Nov-24	13:31	0.10	0.10	0.10
NaOH [Normality]	31-Oct-24	16:18	04-Nov-24	13:31	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	01-Nov-24	16:28	04-Nov-24	13:31	25.23	25.86	24.10
Final pH [no unit]	01-Nov-24	16:16	04-Nov-24	13:31	1.39	1.46	1.51
NP [t CaCO3/1000 t]	01-Nov-24	16:39	04-Nov-24	13:31	-12.8	-14.7	-10.2
AP [t CaCO3/1000 t]	01-Nov-24	16:39	04-Nov-24	13:32	5.00	3.75	5.31
Net NP [t CaCO3/1000 t]	01-Nov-24	16:39	04-Nov-24	13:32	-17.80	-18.45	-15.51
NP/AP [ratio]	01-Nov-24	16:39	04-Nov-24	13:32	-2.56	-3.92	-1.92
S [%]	10-Oct-24	15:48	15-Oct-24	11:35	0.233	0.160	0.208
Acid Leachable SO4-S [%]	15-Oct-24	08:18	15-Oct-24	11:35	0.07	0.04	< 0.04
Sulphide [%]	15-Oct-24	08:17	15-Oct-24	11:35	0.16	0.12	0.17
C [%]	10-Oct-24	15:48	11-Oct-24	12:12	0.536	0.506	0.557
CO3 (HCl) as %CO3 [%]	11-Oct-24	11:08	11-Oct-24	12:12	2.11	2.07	2.44

Analysis	8: ARDG-001397 -TIR01C-1002 5MS33-Kwa-s	9: ARDG-001398 -TIR01C-1002 5MS33-Kwa-s	10: ARDG-001399 -TIR01C-1002 5MS33-Kwa-s	11: ARDG-001400 -TIR01C-1002 5MS33-Kwa-s	12: ARDG-001401 -TIR01C-1002 5MS33-Kwa-s	13: ARDG-001402 -TIR01C-1002 5MS33-Kwa-s	14: ARDG-001403 -TIR01C-1002 5MS33-Kwa-s
Sample Date & Time	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24
Paste pH [no unit]	9.30	9.13	9.35	9.33	8.95	8.99	9.03
Fizz Rate [rating]	3	3	3	3	4	3	3
Sample weight [g]	2.02	2.03	2.03	2.05	2.03	2.01	2.04
HCl_add [mL]	20.00	25.10	20.00	20.00	140.00	40.30	20.00

Online LIMS

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**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19626-OCT24

Analysis	8:	9:	10:	11:	12:	13:	14:
	ARDG-001397	ARDG-001398	ARDG-001399	ARDG-001400	ARDG-001401	ARDG-001402	ARDG-001403
	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002
	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s
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]	23.82	22.50	23.56	20.34	46.80	26.58	27.78
Final pH [no unit]	1.44	1.65	1.47	1.61	1.75	1.55	1.43
NP [t CaCO3/1000 t]	-9.5	6.4	-8.8	-0.8	230	34.1	-19.1
AP [t CaCO3/1000 t]	5.00	10.0	5.00	7.81	10.3	4.69	4.69
Net NP [t CaCO3/1000 t]	-14.50	-3.60	-13.80	-8.61	219	29.4	-23.79
NP/AP [ratio]	-1.90	0.64	-1.76	-0.10	22.3	7.27	-4.07
S [%]	0.223	0.473	0.256	0.357	0.382	0.223	0.195
Acid Leachable SO4-S [%]	0.06	0.15	0.10	0.11	0.05	0.07	0.04
Sulphide [%]	0.16	0.32	0.16	0.25	0.33	0.15	0.15
C [%]	0.560	0.866	0.609	0.650	3.70	0.454	0.428
CO3 (HCl) as %CO3 [%]	2.47	3.79	2.66	2.99	18.2	1.88	1.81

Analysis	15:	16:	17:	18:
	ARDG-001404	ARDG-001405	ARDG-001406	ARDG-001407
	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002
	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s
Sample Date & Time	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24
Paste pH [no unit]	8.92	8.93	8.88	8.89
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.01	2.02	2.03	2.02
HCl_add [mL]	108.00	140.40	160.70	160.70
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]	28.80	68.90	82.82	81.22
Final pH [no unit]	1.78	1.51	1.53	1.53
NP [t CaCO3/1000 t]	197	177	192	197
AP [t CaCO3/1000 t]	4.06	5.62	7.81	8.75
Net NP [t CaCO3/1000 t]	193	171	184	188
NP/AP [ratio]	48.5	31.5	24.6	22.5
S [%]	0.140	0.189	0.289	0.316
Acid Leachable SO4-S [%]	< 0.04	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.13	0.18	0.25	0.28
C [%]	2.52	2.34	2.49	2.60
CO3 (HCl) as %CO3 [%]	12.1	11.4	12.0	12.7

ABA - Modified Sobek

*NP (Neutralization Potential)

= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$ -----
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	Units	Description	SGS Method Code	Reference Method Code	CALA	PALA
Acid Leachable SO ₄ -S	%	Acid Leachable SO ₄ by ECS	ME-CA-[ENV]ARD-LAK-AN-020	ASTM E1915-07A	Y	N
AP	t CaCO ₃ /1000 t	ABA	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B	Y	Y
Carbon (total)	%	ASTM 1915 Total Carbon	ME-CA-[ENV]ARD-LAK-AN-019	ASTM E1915-07A	Y	N
Carbonate (HCl) as %CO ₃	%	CO ₃ by ECS	ME-CA-[ENV]ARD-LAK-AN-020	ASTM E1915-07A	Y	N
Final pH	no unit	Final pH - Glass Electrode	NA	SM 4500	N	N
Fizz Rate	rating	Fizz test rating 1-4	NA	MEND PROJECT 1.16.1B	N	N
HCl	Normality	ABA	NA	MEND PROJECT 1.16.1B	N	N
HCl Added	mL	HCl volume added @ 6 Hr. check.		MEND PROJECT 1.16.1B	N	N
NaOH	Normality	Normality of NaOH used for ABA Titration	NA	MEND PROJECT 1.16.1B	N	N
NaOH to pH=8.3	mL	NaOH to pH=8.3 for back titration curve	NA	MEND PROJECT 1.16.1B	N	N
Net NP	t CaCO ₃ /1000 t	ABA	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B	N	N
NP	t CaCO ₃ /1000 t	ABA	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B	N	Y
NP/AP	ratio	ABA	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B	N	N
Paste pH	no unit	10g sample/20mL D.I.	ME-CA-[ENV]ARD-LAK-AN-005	ARD Prediction Manual 2009	Y	N
Sample weight	g	Weight of Sample used.	NA	Sample weight	N	N
Sulphide	%	Sulphide-S by ECS	ME-CA-[ENV]ARD-LAK-AN-020	ASTM E1915-07A	Y	N
Sulphur (total)	%	ASTM 1915 Total Sulfur	ME-CA-[ENV]ARD-LAK-AN-019	ASTM E1915-07A	Y	Y

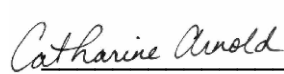
Accreditation Descriptions

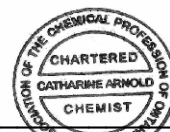
CALA:

SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at <https://directory.cala.ca/#>. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:

SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation


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





Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555
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Works #: Waste Rock OP TIR01
Project : PO#1380289

28-October-2024

Date Rec. : 03 October 2024
LR Report: CA19627-OCT24
Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

[illegible]

Analysis	13:	14:	15:	16:	17:	18:
	ARDG-001402-TIARDG-001403-TIARDG-001404-TIARDG-001405-TIARDG-001406-TIARDG-001407-TI					
	R01C-10025MS3R01C-10025MS3R01C-10025MS3R01C-10025MS3R01C-10025MS3R01C-10025MS3					
	3-Kwa-s	3-Kwa-s	3-Kwa-s	3-Kwa-s	3-Kwa-s	3-Kwa-s
Sample Date & Time	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	75000	76000	66000	65000	66000	67000
As [µg/g]	55	68	9.4	14	15	16
Ba [µg/g]	690	710	5	44	160	200
Be [µg/g]	1.3	1.2	0.28	0.34	0.32	0.35
Bi [µg/g]	0.40	0.37	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	9400	8500	92000	92000	77000	80000
Cd [µg/g]	0.13	0.10	0.12	0.16	0.22	0.26
Co [µg/g]	23	20	49	48	45	46
Cr [µg/g]	85	95	130	130	100	93
Cu [µg/g]	48	53	130	120	110	110
Fe [µg/g]	41000	41000	78000	77000	75000	74000
K [µg/g]	18000	19000	98	620	4300	5700
Li [µg/g]	44	45	58	49	54	54
Mg [µg/g]	15000	15000	27000	28000	23000	22000
Mn [µg/g]	340	330	1800	1700	1900	1900
Mo [µg/g]	1.7	1.6	0.4	0.4	0.4	0.4
Ni [µg/g]	78	77	130	140	110	110
P [µg/g]	440	440	180	180	230	240
Pb [µg/g]	12	11	3	3	3	3

Analysis	13:	14:	15:	16:	17:	18:
	ARDG-001402-TIARDG-001403-TIARDG-001404-TIARDG-001405-TIARDG-001406-TIARDG-001407-TI					
	R01C-10025MS3R01C-10025MS3R01C-10025MS3R01C-10025MS3R01C-10025MS3R01C-10025MS3					
	3-Kwa-s	3-Kwa-s	3-Kwa-s	3-Kwa-s	3-Kwa-s	3-Kwa-s
Sb [µg/g]	< 0.8	< 0.8	1.0	1.0	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.5	0.5	0.5	0.5
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	250	250	140	140	88	87
Ti [µg/g]	880	810	4100	4200	4500	4200
Tl [µg/g]	0.49	0.50	< 0.02	0.03	0.22	0.31
U [µg/g]	1.3	1.3	0.059	0.064	0.066	0.069
V [µg/g]	95	110	240	230	240	220
Y [µg/g]	4.9	4.7	16	15	15	14
Zn [µg/g]	92	87	99	92	120	130

Bulk Metals Suite

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	µg/g	ME-CA-[ENV]SPE-LAK-AN-001	EPA 3052/200.8
	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8

Catharine Arnold

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

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: EMS0219-OCT24													
Calcium	3	µg/g	<3			1		101			89		
Phosphorus	3	µg/g	<3			2		98			81		
Potassium	3	µg/g	<3			0		100			88		
Metals - Microwave/ICP-MS - QCBatchID: EMS0219-OCT24													
Aluminum	3	µg/g	<3			0	20	105	70	130	91	70	130
Antimony	0.8	µg/g	<0.8			ND	20	103	70	130	104	70	130
Arsenic	0.5	µg/g	<0.5			1	20	105	70	130	90	70	130
Barium	0.01	µg/g	<0.01			3	20	99	70	130	97	70	130
Beryllium	0.02	µg/g	<0.02			0	20	102	70	130	88	70	130
Bismuth	0.09	µg/g	<0.09			18	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			16	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	101	70	130	71	70	130
Cobalt	0.01	µg/g	<0.01			1	20	104	70	130	86	70	130
Copper	0.1	µg/g	<0.1			2	20	106	70	130	96	70	130
Iron	3	µg/g	<3			0	20	101	70	130	93	70	130
Lead	0.05	µg/g	<0.05			4	20	101	70	130	98	70	130
Lithium	2	µg/g	<2			0	20	99	70	130	96	70	130
Magnesium	3	µg/g	<3			0	20	101	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			0	20	105	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	105	70	130	101	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			12	20	105	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	103	70	130	101	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	101	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			0	20	105	70	130	82	70	130
Uranium	0.002	µg/g	<0.002			3	20	100	70	130	85	70	130
Vanadium	1	µg/g	<1			0	20	105	70	130	89	70	130
Yttrium	0.004	µg/g	<0.004			1	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	109	70	130	96	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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Works #: Waste Rock OP TIR01

Project : PO#1254179

31-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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

Date Rec. : 10 October 2024

LR Report: CA19685-OCT24

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-001420-T IR01C-10035MS 96-Kwa-s	6: ARDG-001421-T IR01C-10035MS 96-Kwa-s	7: ARDG-001422-T IR01C-10035MS 96-Kwa-s
Sample Date & Time					04-Oct-24	06-Oct-24	06-Oct-24
Paste pH [no unit]	17-Oct-24	18:22	18-Oct-24	16:22	8.95	9.31	9.09
Fizz Rate [rating]	16-Oct-24	18:22	18-Oct-24	16:22	4	4	4
Sample weight [g]	16-Oct-24	14:34	18-Oct-24	16:22	2.03	2.02	2.01
HCl_add [mL]	17-Oct-24	13:51	18-Oct-24	16:22	55.00	40.00	50.00
HCl [Normality]	16-Oct-24	15:23	18-Oct-24	16:22	0.10	0.10	0.10
NaOH [Normality]	16-Oct-24	15:23	18-Oct-24	16:22	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Oct-24	16:06	18-Oct-24	16:22	33.09	21.75	27.13
Final pH [no unit]	17-Oct-24	15:20	18-Oct-24	16:22	1.56	1.72	1.58
NP [t CaCO3/1000 t]	17-Oct-24	16:07	18-Oct-24	16:22	54.0	45.2	56.9
AP [t CaCO3/1000 t]	17-Oct-24	16:07	18-Oct-24	16:22	1.88	5.94	10.3
Net NP [t CaCO3/1000 t]	17-Oct-24	16:07	18-Oct-24	16:22	52.1	39.3	46.6
NP/AP [ratio]	17-Oct-24	16:07	18-Oct-24	16:22	28.8	7.61	5.52
S [%]	17-Oct-24	08:49	17-Oct-24	15:58	0.115	0.246	0.396
Acid Leachable SO4-S [%]	17-Oct-24	15:58	17-Oct-24	15:58	0.06	0.06	0.07
Sulphide [%]	17-Oct-24	14:36	17-Oct-24	15:58	0.06	0.19	0.33
C [%]	17-Oct-24	08:49	17-Oct-24	15:58	0.825	0.690	0.965
CO3 (HCl) as %CO3 [%]	18-Oct-24	07:52	30-Oct-24	16:19	3.86	3.24	4.27

Analysis	8: ARDG-001423-T IR01C-10035MS 96-Kwa-s	9: ARDG-001424-T IR01C-10035MS 96-Kwa-s	10: ARDG-001425-T IR01C-10035MS 96-Kwa-s	11: ARDG-001426-T IR01C-10035MS 96-Kwa-s
Sample Date & Time	06-Oct-24	06-Oct-24	06-Oct-24	06-Oct-24
Paste pH [no unit]	8.78	8.75	8.96	8.79
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.02	2.04	2.03	2.03
HCl_add [mL]	60.50	60.00	40.00	45.00
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10

Analysis	8:	9:	10:	11:
	ARDG-001423-T	ARDG-001424-T	ARDG-001425-T	ARDG-001426-T
	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS	IR01C-10035MS
	96-Kwa-s	96-Kwa-s	96-Kwa-s	96-Kwa-s
Vol NaOH to pH=8.3 [mL]	35.03	34.88	19.91	21.87
Final pH [no unit]	1.57	1.56	1.94	1.88
NP [t CaCO3/1000 t]	63.0	61.6	49.5	57.0
AP [t CaCO3/1000 t]	6.56	6.88	2.50	2.19
Net NP [t CaCO3/1000 t]	56.4	54.7	47.0	54.8
NP/AP [ratio]	9.60	8.96	19.8	26.1
S [%]	0.249	0.279	0.129	0.127
Acid Leachable SO4-S [%]	< 0.04	0.06	0.05	0.06
Sulphide [%]	0.21	0.22	0.08	0.07
C [%]	0.851	0.860	0.723	0.839
CO3 (HCl) as %CO3 [%]	4.16	4.24	3.49	4.08

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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	Units	SGS Method Code	Reference Method Code
	g	NA	Sample weight
	mL		MEND PROJECT 1.16.1B
	mL	NA	MEND PROJECT 1.16.1B
	no unit	NA	SM 4500
	Normality	NA	MEND PROJECT 1.16.1B
	rating	NA	MEND PROJECT 1.16.1B
	ratio	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Acid Potential	t CaCO3/1000 t	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	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	no unit	ME-CA-[ENV]ARD-LAK-AN-005	ARD Prediction Manual 2009

Catharine Arnold

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

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: ECS0042-OCT24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	13
Sulphur (total)	0.005	%	<0.005			0	20				104	70	13
Carbon/Sulphur - QCBatchID: ECS0043-OCT24													
Sulphide	0.04	%	< 0.01			ND	20	115	80	120			
Carbon/Sulphur - QCBatchID: ECS0045-OCT24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			16	20	103	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289

22-October-2024

Date Rec. : 03 October 2024
LR Report: CA19628-OCT24
Reference: Meliadine - PO#1380289

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-001394 -TIR01C-1002 5MS33-Kwa-s	6: ARDG-001395 -TIR01C-1002 5MS33-Kwa-s	7: ARDG-001396 -TIR01C-1002 5MS33-Kwa-s	8: ARDG-001397 -TIR01C-1002 5MS33-Kwa-s	9: ARDG-001398 -TIR01C-1002 5MS33-Kwa-s	10: ARDG-001399 -TIR01C-1002 5MS33-Kwa-s
Sample Date & Time					27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24
Sample weight [g]	09-Oct-24	12:56	11-Oct-24	14:39	251	250	250	250	250	249
Volume D.I. Water [mL]	10-Oct-24	07:15	11-Oct-24	14:39	750	750	750	750	750	750
pH [no unit]	11-Oct-24	06:16	11-Oct-24	14:39	8.89	8.74	9.27	9.17	8.99	9.24
pH [No unit]	11-Oct-24	09:46	15-Oct-24	15:53	8.28	8.07	8.24	8.47	8.31	8.59
Conductivity [uS/cm]	11-Oct-24	09:46	15-Oct-24	15:53	297	330	216	232	236	174
Alkalinity [mg/L as CaCO	11-Oct-24	09:46	15-Oct-24	15:53	53	60	51	54	58	58
SO4 [mg/L]	15-Oct-24	09:19	17-Oct-24	15:01	32	27	14	14	27	12
Hg (diss) [mg/L]	15-Oct-24	16:26	17-Oct-24	07:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.382	0.451	0.494	0.470	0.464	0.473
As (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.0457	0.0292	0.0305	0.0292	0.0969	0.0873
Ba (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.00310	0.00424	0.00273	0.00265	0.00347	0.00266
B (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.041	0.017	0.037	0.039	0.034	0.038
Be (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001
Ca (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	9.14	11.2	6.80	6.44	9.26	5.82
Cd (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.000004	0.000015	0.000011	< 0.000003	0.000003	0.000013

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001394 -TIR01C-1002 5MS33-Kwa-s	6: ARDG-001395 -TIR01C-1002 5MS33-Kwa-s	7: ARDG-001396 -TIR01C-1002 5MS33-Kwa-s	8: ARDG-001397 -TIR01C-1002 5MS33-Kwa-s	9: ARDG-001398 -TIR01C-1002 5MS33-Kwa-s	10: ARDG-001399 -TIR01C-1002 5MS33-Kwa-s
Co (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.000030	0.000033	0.000044	0.000037	0.000033	0.000034
Cr (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.00008	< 0.00008	0.00011	< 0.00008	< 0.00008	0.00013
Cu (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.007	< 0.007	0.009	< 0.007	< 0.007	0.016
K (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	17.7	19.5	12.8	13.5	15.7	13.7
Li (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.0007	0.0015	0.0009	0.0009	0.0011	0.0008
Mg (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	2.19	3.79	1.65	1.75	2.76	1.69
Mn (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.00044	0.00157	0.00076	0.00018	0.00056	0.00022
Mo (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.0080	0.0430	0.0321	0.0050	0.0060	0.0310
Na (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	32.5	33.7	24.2	25.4	21.8	17.3
Ni (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.0001	0.0003	0.0002	< 0.0001	0.0001	0.0001
Pb (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.0081	0.0052	0.0071	0.0068	0.0064	0.0069
Se (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.00022	0.00028	0.00025	0.00024	0.00040	0.00019
Si (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	1.48	1.45	1.66	1.64	1.42	1.73
Sn (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.00009	0.00014	0.00017	< 0.00006	0.00094	< 0.00006
Sr (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.0492	0.0729	0.0323	0.0332	0.0370	0.0255
Ti (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.0002	< 0.0001	0.0004	0.0002	0.0001	0.0006
Tl (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.000005	0.000008	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.000151	0.000132	0.000343	0.000335	0.000128	0.000317
V (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.00123	0.00068	0.00232	0.00238	0.00123	0.00282
W (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	0.0014	0.0017	0.0021	0.0024	0.0015	0.0028
Y (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00003
Zn (diss) [mg/L]	16-Oct-24	11:07	17-Oct-24	07:58	< 0.002	< 0.002	0.007	< 0.002	< 0.002	< 0.002

Analysis	11: ARDG-001400 -TIR01C-1002 5MS33-Kwa-s	12: ARDG-001401 -TIR01C-1002 5MS33-Kwa-s	13: ARDG-001402 -TIR01C-1002 5MS33-Kwa-s	14: ARDG-001403 -TIR01C-1002 5MS33-Kwa-s	15: ARDG-001404 -TIR01C-1002 5MS33-Kwa-s	16: ARDG-001405 -TIR01C-1002 5MS33-Kwa-s	17: ARDG-001406 -TIR01C-1002 5MS33-Kwa-s	18: ARDG-001407 -TIR01C-1002 5MS33-Kwa-s	19: ARDG-001407 -TIR01C-1002 5MS33-Kwa-s	20:BLK: \$D.I. Leachate Blank
Sample Date & Time	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24	27-Sep-24		
Sample weight [g]	249	250	251	250	249	251	249	251	251	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750	750



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Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19628-OCT24

Analysis	11:	12:	13:	14:	15:	16:	17:	18:	19:	20:BLK:
	ARDG-001400	ARDG-001401	ARDG-001402	ARDG-001403	ARDG-001404	ARDG-001405	ARDG-001406	ARDG-001407	ARDG-001407	\$D.I.
	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	Leachate
	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	Blank
pH [no unit]	9.15	8.80	8.82	9.00	8.87	8.78	8.77	8.88	8.87	5.64
pH [No unit]	7.96	8.18	7.87	7.86	7.89	7.80	7.88	7.85	7.81	6.16
Conductivity [uS/cm]	189	276	416	376	273	303	329	359	352	2
Alkalinity [mg/L as CaCO ₃]	39	75	45	43	40	39	39	39	40	2
SO ₄ [mg/L]	32	35	54	50	17	29	37	42	41	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 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	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.717	0.506	0.468	0.491	0.513	0.452	0.517	0.476	0.479	0.005
As (diss) [mg/L]	0.0050	0.0667	0.0585	0.0506	0.0018	0.0012	0.0017	0.0017	0.0017	< 0.0002
Ba (diss) [mg/L]	0.00298	0.00184	0.00457	0.00422	0.00108	0.00245	0.00201	0.00227	0.00222	< 0.00008
B (diss) [mg/L]	0.009	0.014	0.018	0.019	0.008	0.014	0.013	0.013	0.013	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 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	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	9.73	12.9	13.1	12.9	13.7	14.6	14.6	15.9	15.8	< 0.01
Cd (diss) [mg/L]	0.000004	0.000006	0.000013	0.000003	0.000009	0.000004	0.000003	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000010	0.000091	0.000080	0.000074	0.000026	0.000013	0.000024	0.000020	0.000018	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	13.3	5.76	20.3	17.5	1.03	2.63	6.06	6.26	6.28	0.322
Li (diss) [mg/L]	0.0007	0.0020	0.0012	0.0011	0.0009	0.0007	0.0008	0.0008	0.0008	< 0.0001
Mg (diss) [mg/L]	2.16	7.67	4.89	4.31	3.23	3.61	3.35	3.80	3.74	0.001
Mn (diss) [mg/L]	0.00093	0.00436	0.00169	0.00164	0.00257	0.00195	0.00302	0.00302	0.00297	0.00008
Mo (diss) [mg/L]	0.0108	0.0133	0.0381	0.0067	0.0273	0.0114	0.0077	0.0055	0.0055	0.0008
Na (diss) [mg/L]	13.5	27.6	42.5	37.7	29.1	33.4	36.9	40.2	39.6	< 0.01
Ni (diss) [mg/L]	< 0.0001	0.0004	0.0003	0.0004	< 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	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0056	0.0066	0.0061	0.0055	0.0021	0.0015	0.0023	0.0024	0.0024	< 0.0009
Se (diss) [mg/L]	0.00027	0.00066	0.00070	0.00073	0.00030	0.00028	0.00052	0.00052	0.00058	< 0.00004
Si (diss) [mg/L]	1.43	1.19	1.47	1.40	1.01	1.02	0.98	1.02	1.01	< 0.02
Sn (diss) [mg/L]	0.00008	0.00013	< 0.00006	0.00007	0.00008	0.00006	0.00017	< 0.00006	0.00014	< 0.00006
Sr (diss) [mg/L]	0.0455	0.0209	0.0703	0.0641	0.0284	0.0401	0.0310	0.0344	0.0329	< 0.00008



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

mel
Works #: Waste Rock OP TIR01
Project : PO#1380289
LR Report : CA19628-OCT24

Analysis	11:	12:	13:	14:	15:	16:	17:	18:	19:	20:BLK:
	ARDG-001400	ARDG-001401	ARDG-001402	ARDG-001403	ARDG-001404	ARDG-001405	ARDG-001406	ARDG-001407	ARDG-001407	\$D.I.
	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	-TIR01C-1002	Leachate
	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	5MS33-Kwa-s	Blank
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	0.000007	< 0.000005	0.000007	0.000007	< 0.000005	< 0.000005	0.000011	0.000010	0.000010	< 0.000005
U (diss) [mg/L]	0.000145	0.000033	0.000201	0.000151	0.000009	0.000003	0.000007	0.000007	0.000010	< 0.000002
V (diss) [mg/L]	0.00142	0.00110	0.00096	0.00092	0.00062	0.00048	0.00069	0.00068	0.00069	< 0.00001
W (diss) [mg/L]	0.0635	0.0019	0.0013	0.0013	0.0009	0.0020	0.0015	0.0014	0.0014	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

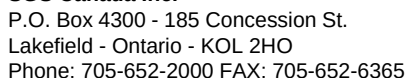
SFE 3:1 ratio 24hr (MEND) prefilter pH

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

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: EWL0295-OCT24													
Alkalinity	2	mg/L as Ca	< 2			0	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8030-OCT24													
Sulphate	2	mg/L	<2			ND	20	103	80	120	102	75	125
Conductivity - QCBatchID: EWL0275-OCT24													
Conductivity	2	uS/cm	< 2			0	20	97	90	110	NA		
Conductivity - QCBatchID: EWL0295-OCT24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0027-OCT24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	107	80	120	112	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0157-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			2	20	95	90	110	107	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	98	90	110	103	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	101	90	110	101	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	100	90	110	99	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	92	90	110	104	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	87	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	96	90	110	90	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	100	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	97	90	110	92	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			11	20	97	90	110	94	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			17	20	93	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	95	90	110	98	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	98	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			1	20	94	90	110	98	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	101	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			3	20	97	90	110	93	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	97	90	110	103	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			2	20	99	90	110	92	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	100	90	110	99	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	97	90	110	88	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			11	20	97	90	110	103	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	99	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	98	90	110	101	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	96	90	110	101	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	95	90	110	95	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	97	90	110	99	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			1	20	102	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	107	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	96	90	110	100	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	96	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			7	20	99	90	110	100	70	130
pH - QCBatchID: EWL0295-OCT24													
pH	0.05	No unit	NA			0		100			NA		



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

Agnico Eagle Mines Limited
Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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

28-October-2024

Date Rec. : 10 October 2024
LR Report: CA19686-OCT24
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-001420-TIAR R01C-10035MS9R01C- 6-Kwa-s	ARDG-001421-TIAR R01C-10035MS9R01C- 6-Kwa-s	ARDG-001422-TIAR R01C-10035MS9R01C- 6-Kwa-s	ARDG-001423-TIAR R01C-10035MS9R01C- 6-Kwa-s	ARDG-001424-TIAR R01C-10035MS9R01C- 6-Kwa-s
					04-Oct-24	06-Oct-24	06-Oct-24	06-Oct-24	06-Oct-24
					< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
					73000	84000	79000	68000	65000
					56	69	210	22	15
Ag [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	610	660	640	490	430
Al [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	1.0	1.1	1.1	1.0	0.91
As [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	0.13	0.19	0.20	0.31	0.15
Ba [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	21000	13000	17000	24000	24000
Be [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	0.08	0.07	0.09	0.10	0.09
Bi [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	8.2	20	16	10	8.5
Cd [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	19	62	85	29	30
Ca [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	23	43	33	37	39
Ce [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	70000	38000	52000	92000	95000
Co [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	14000	20000	19000	14000	12000
Cr [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	26	25	25	35	34
Cu [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	8000	12000	11000	8800	8400
Fe [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	290	290	320	390	370
K [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	1.3	2.1	1.6	1.5	1.1
Li [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	18	66	53	27	23
Mg [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	440	440	460	580	620
Mn [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	8	8	13	12	7
Mo [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Ni [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	0.2	0.3	0.3	0.2	0.2
P [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	< 6	< 6	< 6	< 6	< 6
Pb [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	510	260	300	380	370
Sb [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	1800	3000	2500	2000	1900
Se [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	0.24	0.46	0.46	0.22	0.19
Sn [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	1.1	1.7	1.6	1.0	0.9
Sr [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	38	87	84	48	43
Ti [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	6.2	7.1	7.2	7.1	7.0
Tl [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	58	63	59	62	63
U [µg/g]									
V [µg/g]									
Y [µg/g]									
Zn [µg/g]									

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

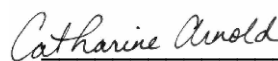
LR Report : CA19686-OCT24

Analysis	10: ARDG-001425-TIARDG-001426-TI R01C-10035MS9R01C-10035MS9 6-Kwa-s	11: 6-Kwa-s
Sample Date & Time	06-Oct-24	06-Oct-24
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	74000	76000
As [µg/g]	63	68
Ba [µg/g]	650	650
Be [µg/g]	1.1	1.2
Bi [µg/g]	0.13	0.22
Ca [µg/g]	20000	23000
Cd [µg/g]	0.07	0.08
Co [µg/g]	8.2	8.6
Cr [µg/g]	38	36
Cu [µg/g]	21	23
Fe [µg/g]	70000	70000
K [µg/g]	15000	15000
Li [µg/g]	27	29
Mg [µg/g]	8800	9300
Mn [µg/g]	280	320
Mo [µg/g]	1.6	1.1
Ni [µg/g]	22	23
P [µg/g]	420	440
Pb [µg/g]	16	16
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	0.2	0.2
Sn [µg/g]	< 6	< 6
Sr [µg/g]	460	500
Ti [µg/g]	1800	1800
Tl [µg/g]	0.28	0.27
U [µg/g]	1.2	1.2
V [µg/g]	38	41
Y [µg/g]	6.2	6.4
Zn [µg/g]	60	61

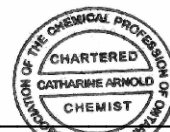
Bulk Metals Suite

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	µg/g	ME-CA-[ENV]SPE-LAK-AN-001	EPA 3052/200.8
	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8



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



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: EMS0286-OCT24													
Calcium	3	µg/g	<3			1		97			95		
Phosphorus	3	µg/g	<3			1		99			88		
Potassium	3	µg/g	<3			1		97			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0286-OCT24													
Aluminum	3	µg/g	<3			1	20	98	70	130	98	70	130
Antimony	0.8	µg/g	<0.8			ND	20	100	70	130	95	70	130
Arsenic	0.5	µg/g	<0.5			6	20	102	70	130	92	70	130
Barium	0.01	µg/g	<0.01			2	20	99	70	130	103	70	130
Beryllium	0.02	µg/g	<0.02			2	20	93	70	130	79	70	130
Bismuth	0.09	µg/g	<0.09			13	20	91	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			18	20	105	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	102	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			4	20	102	70	130	90	70	130
Copper	0.1	µg/g	<0.1			0	20	100	70	130	98	70	130
Iron	3	µg/g	<3			0	20	98	70	130	92	70	130
Lead	0.05	µg/g	<0.05			3	20	94	70	130	94	70	130
Lithium	2	µg/g	<2			1	20	95	70	130	92	70	130
Magnesium	3	µg/g	<3			1	20	102	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			0	20	101	70	130	97	70	130
Molybdenum	0.1	µg/g	<0.1			3	20	97	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			0	20	104	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			5	20	101	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	105	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	102	70	130	104	70	130
Thallium	0.02	µg/g	<0.02			5	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	99	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	96	70	130	84	70	130
Uranium	0.002	µg/g	<0.002			3	20	93	70	130	87	70	130
Vanadium	1	µg/g	<1			0	20	106	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			2	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	105	70	130	96	70	130

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Works #: Waste Rock OP TIR01

Project : PO#1254179

28-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 10 October 2024
LR Report: CA19690-OCT24
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:	8:
	Analysis Start	Analysis Start	Analysis	Analysis	ARDG-001408-TI	ARDG-001409-TI	ARDG-001410-TI	ARDG-001411-TI
	Date	Time	Completed	Completed	R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9	R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9	R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9	R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9
				Time	4-Kwa-s	4-Kwa-s	4-Kwa-s	4-Kwa-s
Sample Date & Time					01-Oct-24	01-Oct-24	01-Oct-24	01-Oct-24
Sample weight [g]	16-Oct-24	13:21	18-Oct-24	16:09	250	249	249	250
Volume D.I. Water [mL]	17-Oct-24	06:30	18-Oct-24	16:09	750	750	750	750
pH [no unit]	18-Oct-24	06:13	18-Oct-24	16:09	8.84	9.00	9.16	8.89
pH [No unit]	18-Oct-24	14:02	21-Oct-24	12:29	7.94	8.08	8.04	7.96
Conductivity [uS/cm]	18-Oct-24	14:02	21-Oct-24	12:29	149	257	254	157
Alkalinity [mg/L as CaCO3]	18-Oct-24	14:02	21-Oct-24	12:29	46	61	56	53
SO4 [mg/L]	18-Oct-24	12:19	21-Oct-24	14:06	11	16	16	11
Hg (diss) [mg/L]	21-Oct-24	14:41	22-Oct-24	11:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.779	0.400	0.452	0.658
As (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.0011	0.0277	0.0180	0.0009
Ba (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.00261	0.00349	0.00538	0.00270
B (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.013	0.053	0.046	0.013
Be (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	10.6	6.69	7.26	12.0
Cd (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.000021	< 0.000003	0.000010	0.000009
Co (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.000013	0.000090	0.000091	0.000026
Cr (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.00008	0.00010	0.00067	0.00010
Cu (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.007	0.043	0.032	0.011
K (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	11.2	18.8	18.9	12.0
Li (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.0007	0.0022	0.0018	0.0009
Mg (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	1.28	1.28	1.33	1.56
Mn (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.00099	0.00061	0.00098	0.00104
Mo (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.0427	0.0072	0.0308	0.0273
Na (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	10.6	30.4	28.8	8.75
Ni (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.0002	0.0006	0.0010	0.0002
Pb (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.00009	< 0.00009	0.00272	< 0.00009
Sb (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.0021	0.0064	0.0064	0.0014
Se (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.00006	0.00018	0.00020	0.00006
Si (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	1.02	2.17	1.91	1.02
Sn (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.00008	0.00008	0.00017	0.00012
Sr (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.0696	0.0394	0.0424	0.0861
Ti (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.0001	0.0016	0.0011	< 0.0001

**SGS Canada Inc.**

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 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19690-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001408-TIARDG-001409-TIARDG-001410-TIARDG-001411-TI R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9 4-Kwa-s	6: 4-Kwa-s	7: 4-Kwa-s	8: 4-Kwa-s
TI (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.000005	0.000005	0.000009	< 0.000005
U (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.000113	0.000737	0.000487	0.000066
V (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.00025	0.00206	0.00166	0.00019
W (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	0.0009	0.0026	0.0019	0.0014
Y (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.00002	0.00003	0.00003	< 0.00002
Zn (diss) [mg/L]	21-Oct-24	17:39	22-Oct-24	11:09	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: ARDG-001412-TIARDG-001413-TIARDG-001414-TIARDG-001415-TIARDG-001416-TIARDG-001417-TIARDG-001418-TIARDG-001419-TI R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9 4-Kwa-s	10: 4-Kwa-s	11: 4-Kwa-s	12: 4-Kwa-s	13: 4-Kwa-s	14: 4-Kwa-s	15: 4-Kwa-s	16: 4-Kwa-s
Sample Date & Time	02-Oct-24	02-Oct-24	02-Oct-24	03-Oct-24	03-Oct-24	03-Oct-24	03-Oct-24	03-Oct-24
Sample weight [g]	250	249	250	250	249	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750
pH [no unit]	8.92	9.10	9.18	9.16	9.47	9.10	9.28	9.32
pH [No unit]	7.92	8.04	8.01	8.03	8.11	8.09	7.96	8.08
Conductivity [uS/cm]	134	166	166	188	163	191	157	157
Alkalinity [mg/L as CaCO3]	44	51	52	53	52	54	52	51
SO4 [mg/L]	6	11	12	14	8	13	8	8
Hg (diss) [mg/L]	< 0.00001	< 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	< 0.00005
Al (diss) [mg/L]	0.962	0.667	0.561	0.478	0.598	0.528	0.707	0.708
As (diss) [mg/L]	0.0008	0.0073	0.0037	0.0016	0.0050	0.0039	0.0021	0.0020
Ba (diss) [mg/L]	0.00210	0.00232	0.00226	0.00283	0.00219	0.00258	0.00200	0.00195
B (diss) [mg/L]	0.009	0.045	0.042	0.040	0.045	0.043	0.035	0.034
Be (diss) [mg/L]	< 0.000007	< 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	< 0.00001
Ca (diss) [mg/L]	9.34	5.62	6.58	8.06	5.17	6.76	5.95	6.23
Cd (diss) [mg/L]	0.000010	< 0.000003	< 0.000003	0.000008	< 0.000003	0.000015	0.000010	0.000007
Co (diss) [mg/L]	0.000143	0.000010	0.000010	0.000009	0.000022	0.000033	0.000012	0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00009	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.058	0.036	0.018	0.065	0.037	0.024	0.018
K (diss) [mg/L]	11.9	13.6	12.1	14.2	14.2	15.7	12.3	12.7
Li (diss) [mg/L]	0.0005	0.0010	0.0010	0.0012	0.0009	0.0009	0.0007	0.0007
Mg (diss) [mg/L]	0.889	0.665	0.770	1.12	0.700	0.879	0.502	0.547
Mn (diss) [mg/L]	0.00308	0.00032	0.00026	0.00057	0.00045	0.00032	0.00037	0.00018
Mo (diss) [mg/L]	0.0309	0.0046	0.0050	0.0169	0.0037	0.0306	0.0314	0.0305
Na (diss) [mg/L]	8.93	19.4	18.0	18.9	18.5	20.3	17.4	17.3
Ni (diss) [mg/L]	0.0012	< 0.0001	< 0.0001	0.0004	0.0003	0.0002	0.0002	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0020	0.0029	0.0023	0.0020	0.0031	0.0024	0.0038	0.0035
Se (diss) [mg/L]	0.00006	0.00012	0.00012	0.00012	0.00012	0.00015	0.00019	0.00016
Si (diss) [mg/L]	0.87	1.71	1.60	1.38	1.67	1.47	1.41	1.32
Sn (diss) [mg/L]	0.00011	0.00018	0.00008	0.00008	0.00022	0.00010	0.00010	0.00013
Sr (diss) [mg/L]	0.0730	0.0443	0.0585	0.0773	0.0285	0.0494	0.0467	0.0477
Ti (diss) [mg/L]	< 0.0001	0.0013	0.0008	0.0005	0.0015	0.0007	0.0003	0.0004
TI (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000036	0.000203	0.000151	0.000078	0.000160	0.000110	0.000132	0.000118
V (diss) [mg/L]	0.00020	0.00108	0.00068	0.00042	0.00097	0.00063	0.00066	0.00060
W (diss) [mg/L]	0.0010	0.0021	0.0023	0.0015	0.0011	0.0012	0.0021	0.0021
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19690-OCT24

Analysis	17: ARDG-001419-TI R01C-10035MS9 4-Kwa-s	18:BLK: D.I. Leachate Blank
Sample Date & Time		
Sample weight [g]	250	---
Volume D.I. Water [mL]	750	750
pH [no unit]	9.35	5.61
pH [No unit]	8.08	6.87
Conductivity [uS/cm]	158	2
Alkalinity [mg/L as CaCO3]	52	2
SO4 [mg/L]	9	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.704	0.002
As (diss) [mg/L]	0.0020	< 0.0002
Ba (diss) [mg/L]	0.00196	0.00019
B (diss) [mg/L]	0.035	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001
Ca (diss) [mg/L]	6.17	< 0.01
Cd (diss) [mg/L]	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000005	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001
Fe (diss) [mg/L]	0.019	< 0.007
K (diss) [mg/L]	12.4	< 0.009
Li (diss) [mg/L]	0.0007	< 0.0001
Mg (diss) [mg/L]	0.527	0.002
Mn (diss) [mg/L]	0.00017	0.00013
Mo (diss) [mg/L]	0.0042	< 0.0004
Na (diss) [mg/L]	18.0	< 0.01
Ni (diss) [mg/L]	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0034	< 0.0009
Se (diss) [mg/L]	0.00016	< 0.00004
Si (diss) [mg/L]	1.30	< 0.02
Sn (diss) [mg/L]	0.00015	0.00013
Sr (diss) [mg/L]	0.0473	< 0.00008
Ti (diss) [mg/L]	0.0003	< 0.0001
Tl (diss) [mg/L]	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000113	< 0.000002
V (diss) [mg/L]	0.00059	< 0.00001
W (diss) [mg/L]	0.0020	< 0.0002
Y (diss) [mg/L]	0.00004	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002

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

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	g	NA	Sample weight
	mL	NA	Volume
	no unit	NA	
Alkalinity	mg/L as CaCO3	ME-CA-[ENV]EWL-LAK-AN-006	SM 2320
Anions by discrete analyzer	mg/L	ME-CA-[ENV]EWL-LAK-AN-026	US EPA 375.4
Conductivity	uS/cm	ME-CA-[ENV]EWL-LAK-AN-006	SM 2510

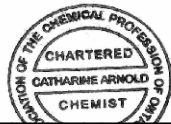
**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01**Project :** PO#1254179**LR Report :** CA19690-OCT24

Parameter	Units	SGS Method Code	Reference Method Code
Mercury by CVAAS	mg/L	ME-CA-[ENV]SPE-LAK-AN-004	EPA 7471A/SM 3112B
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	SM 3030/EPA 200.8
pH	No unit	ME-CA-[ENV]EWL-LAK-AN-006	SM 4500



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

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: EWL0436-OCT24													
Alkalinity	2	mg/L as Ca	< 2			0	20	98	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8044-OCT24													
Sulphate	2	mg/L	<2			ND	20	107	80	120	102	75	125
Anions by discrete analyzer - QCBatchID: DIO8045-OCT24													
Sulphate	2	mg/L	<2			ND	20	105	80	120	103	75	125
Conductivity - QCBatchID: EWL0436-OCT24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0041-OCT24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			12	20	114	80	120	121	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0226-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			2	20	102	90	110	100	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	110	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			1	20	97	90	110	96	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			7	20	94	90	110	89	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	93	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	83	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			0	20	99	90	110	100	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	98	90	110	90	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	96	90	110	100	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			13	20	92	90	110	93	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	99	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	96	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			0	20	105	90	110	90	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	97	90	110	97	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			3	20	98	90	110	95	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	103	90	110	103	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	99	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	98	90	110	94	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	92	90	110	101	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			5	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	110	90	110	NV	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			3	20	97	90	110	107	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	97	90	110	94	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			0	20	98	90	110	95	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			5	20	105	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			9	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	104	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	97	90	110	95	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			5	20	96	90	110	92	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	103	90	110	101	70	130
pH - QCBatchID: EWL0436-OCT24													
pH	0.05	No unit	NA			0	No unit	100			NA		

SGS Canada Inc.

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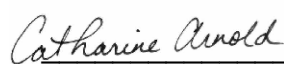
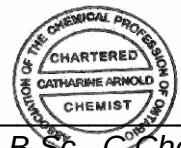
mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19687-OCT24

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	g	NA	Sample weight
	mL	NA	Volume
	no unit	NA	
Alkalinity	mg/L as CaCO ₃	ME-CA-[ENV]EWL-LAK-AN-006	SM 2320
Anions by discrete analyzer	mg/L	ME-CA-[ENV]EWL-LAK-AN-026	US EPA 375.4
Conductivity	uS/cm	ME-CA-[ENV]EWL-LAK-AN-006	SM 2510
Mercury by CVAAS	mg/L	ME-CA-[ENV]SPE-LAK-AN-004	EPA 7471A/SM 3112B
Metals in aqueous samples - ICP-MS	mg/L	ME-CA-[ENV]SPE-LAK-AN-006	SM 3030/EPA 200.8
pH	No unit	ME-CA-[ENV]EWL-LAK-AN-006	SM 4500



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

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: EWL0369-OCT24													
Alkalinity	2	mg/L as Ca	< 2			8	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8044-OCT24													
Sulphate	2	mg/L	<2			ND	20	107	80	120	102	75 125	
Anions by discrete analyzer - QCBatchID: DIO8045-OCT24													
Sulphate	2	mg/L	<2			ND	20	105	80	120	103	75 125	
Anions by discrete analyzer - QCBatchID: DIO8046-OCT24													
Sulphate	2	mg/L	<2			ND	20	101	80	120	103	75 125	
Conductivity - QCBatchID: EWL0369-OCT24													
Conductivity	2	uS/cm	< 2			1	20	97	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0033-OCT24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	116	80	120	127	70 130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0188-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	99	90	110	73	70 130	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	103	70 130	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			1	20	97	90	110	103	70 130	
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	94	90	110	99	70 130	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	92	90	110	96	70 130	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	104	70 130	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	97	70 130	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	100	90	110	110	70 130	
Calcium (dissolved)	0.01	mg/L	<0.01			5	20	99	90	110	90	70 130	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	106	70 130	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			9	20	94	90	110	100	70 130	
Copper (dissolved)	0.001	mg/L	<0.001			0	20	94	90	110	95	70 130	
Iron (dissolved)	0.007	mg/L	<0.007			11	20	97	90	110	75	70 130	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	96	70 130	
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	100	90	110	104	70 130	
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	99	90	110	86	70 130	
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	97	90	110	72	70 130	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	103	90	110	96	70 130	
Nickel (dissolved)	0.0001	mg/L	<0.0001			16	20	100	90	110	99	70 130	
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	94	90	110	129	70 130	
Selenium (dissolved)	0.00004	mg/L	<0.00004			1	20	100	90	110	106	70 130	
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	97	90	110	NV	70 130	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	102	90	110	85	70 130	

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
Sodium (dissolved)	0.01	mg/L	<0.01			3	20	102	90	110	111	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	93	90	110	86	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			1	20	98	90	110	100	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	104	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			1	20	105	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	98	90	110	77	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			4	20	94	90	110	96	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	97	90	110	101	70	130
pH - QCBatchID: EWL0369-OCT24													
pH	0.05	No unit	NA			1		99			NA		

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1254179

28-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax: (819) 759-3663

Date Rec. : 10 October 2024

LR Report: CA19689-OCT24

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-001408-TIARDG-001409-TIARDG-001410-TIARDG-001411-TIARDG-001412-TI CompletedR01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9 4-Kwa-s	6: ARDG-001408-TIARDG-001409-TIARDG-001410-TIARDG-001411-TIARDG-001412-TI CompletedR01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9 4-Kwa-s	7: ARDG-001408-TIARDG-001409-TIARDG-001410-TIARDG-001411-TIARDG-001412-TI CompletedR01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9 4-Kwa-s	8: ARDG-001408-TIARDG-001409-TIARDG-001410-TIARDG-001411-TIARDG-001412-TI CompletedR01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9 4-Kwa-s	9: ARDG-001408-TIARDG-001409-TIARDG-001410-TIARDG-001411-TIARDG-001412-TI CompletedR01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9R01C-10035MS9 4-Kwa-s
Sample Date & Time					01-Oct-24	01-Oct-24	01-Oct-24	01-Oct-24	02-Oct-24
Ag [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	74000	76000	81000	69000	70000
As [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	7.3	18	33	4.9	7.2
Ba [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	500	640	700	390	420
Be [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	1.1	1.2	1.2	0.92	0.95
Bi [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	0.20	0.20	0.16	< 0.09	0.13
Ca [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	20000	29000	25000	26000	23000
Cd [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	0.08	0.10	0.09	0.09	0.07
Co [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	11	9.6	9.1	9.2	9.2
Cr [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	29	27	29	36	35
Cu [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	29	20	17	25	17
Fe [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	84000	29000	39000	96000	98000
K [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	12000	18000	19000	11000	12000
Li [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	34	24	29	34	36
Mg [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	10000	6200	7400	9800	9700
Mn [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	390	310	310	450	450
Mo [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	1.1	0.9	0.9	1.3	1.2
Ni [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	26	20	21	23	24
P [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	410	380	420	420	410
Pb [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	8	10	9	6	49
Sb [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	0.2	0.2	0.1	0.2	0.2
Sn [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	280	340	310	260	250
Ti [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	2100	2400	2300	1900	2000
Tl [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	0.18	0.29	0.30	0.18	0.19
U [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	1.51	0.88	1.10	1.09	1.07
V [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	50	40	43	43	44
Y [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	6.3	5.9	6.5	6.1	6.2
Zn [µg/g]	25-Oct-24	13:49	28-Oct-24	12:42	70	38	44	65	63

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: EMS0286-OCT24													
Calcium	3	µg/g	<3			1		97			95		
Phosphorus	3	µg/g	<3			1		99			88		
Potassium	3	µg/g	<3			1		97			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0286-OCT24													
Aluminum	3	µg/g	<3			1	20	98	70	130	98	70	130
Antimony	0.8	µg/g	<0.8			ND	20	100	70	130	95	70	130
Arsenic	0.5	µg/g	<0.5			6	20	102	70	130	92	70	130
Barium	0.01	µg/g	<0.01			2	20	99	70	130	103	70	130
Beryllium	0.02	µg/g	<0.02			2	20	93	70	130	79	70	130
Bismuth	0.09	µg/g	<0.09			13	20	91	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			18	20	105	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	102	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			4	20	102	70	130	90	70	130
Copper	0.1	µg/g	<0.1			0	20	100	70	130	98	70	130
Iron	3	µg/g	<3			0	20	98	70	130	92	70	130
Lead	0.05	µg/g	<0.05			3	20	94	70	130	94	70	130
Lithium	2	µg/g	<2			1	20	95	70	130	92	70	130
Magnesium	3	µg/g	<3			1	20	102	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			0	20	101	70	130	97	70	130
Molybdenum	0.1	µg/g	<0.1			3	20	97	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			0	20	104	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			5	20	101	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	105	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	102	70	130	104	70	130
Thallium	0.02	µg/g	<0.02			5	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	99	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	96	70	130	84	70	130
Uranium	0.002	µg/g	<0.002			3	20	93	70	130	87	70	130
Vanadium	1	µg/g	<1			0	20	106	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			2	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	105	70	130	96	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

31-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 10 October 2024

LR Report: CA19688-OCT24

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-001408-T IR01C-10035MS 94-Kwa-s	6: ARDG-001409-T IR01C-10035MS 94-Kwa-s	7: ARDG-001410-T IR01C-10035MS 94-Kwa-s
Sample Date & Time					01-Oct-24	01-Oct-24	01-Oct-24
Paste pH [no unit]	21-Oct-24	20:49	22-Oct-24	13:36	8.85	9.35	9.24
Fizz Rate [rating]	21-Oct-24	08:18	22-Oct-24	13:36	4	4	4
Sample weight [g]	21-Oct-24	06:45	22-Oct-24	13:36	2.00	2.01	2.01
HCl_add [mL]	22-Oct-24	07:10	22-Oct-24	13:36	50.80	60.00	51.80
HCl [Normality]	21-Oct-24	08:26	22-Oct-24	13:36	0.10	0.10	0.10
NaOH [Normality]	21-Oct-24	08:26	22-Oct-24	13:36	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	22-Oct-24	09:24	22-Oct-24	13:36	31.55	30.86	27.14
Final pH [no unit]	22-Oct-24	08:26	22-Oct-24	13:36	1.59	1.63	1.62
NP [t CaCO3/1000 t]	22-Oct-24	09:24	22-Oct-24	13:36	48.1	72.5	61.3
AP [t CaCO3/1000 t]	22-Oct-24	09:24	30-Oct-24	15:43	2.81	1.25	1.25
Net NP [t CaCO3/1000 t]	22-Oct-24	09:24	30-Oct-24	15:43	45.3	71.2	60.0
NP/AP [ratio]	22-Oct-24	09:24	30-Oct-24	15:43	17.1	58.0	49.0
S [%]	21-Oct-24	13:53	25-Oct-24	12:13	0.168	0.065	0.060
Acid Leachable SO4-S [%]	23-Oct-24	07:26	25-Oct-24	12:13	0.08	0.06	0.04
Sulphide [%]	23-Oct-24	07:24	25-Oct-24	12:13	0.09	< 0.04	< 0.04
C [%]	21-Oct-24	13:53	25-Oct-24	12:13	0.685	1.01	0.845
CO3 (HCl) as %CO3 [%]	23-Oct-24	08:21	25-Oct-24	12:13	3.13	4.68	3.85

Analysis	8: ARDG-001411-T IR01C-10035MS 94-Kwa-s	9: ARDG-001412-T IR01C-10035MS 94-Kwa-s	10: ARDG-001413-T IR01C-10035MS 94-Kwa-s	11: ARDG-001414-T IR01C-10035MS 94-Kwa-s	12: ARDG-001415-T IR01C-10035MS 94-Kwa-s	13: ARDG-001416-T IR01C-10035MS 94-Kwa-s	14: ARDG-001417-T IR01C-10035MS 94-Kwa-s
Sample Date & Time	01-Oct-24	02-Oct-24	02-Oct-24	02-Oct-24	03-Oct-24	03-Oct-24	03-Oct-24
Paste pH [no unit]	8.73	8.79	9.11	8.99	9.08	9.20	9.09
Fizz Rate [rating]	4	4	4	4	4	4	4
Sample weight [g]	2.00	2.00	2.00	2.00	2.01	2.00	2.00
HCl_add [mL]	66.00	52.60	50.00	50.30	54.40	40.00	48.90
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

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19688-OCT24

Analysis	8: ARDG-001411-T IR01C-10035MS 94-Kwa-s	9: ARDG-001412-T IR01C-10035MS 94-Kwa-s	10: ARDG-001413-T IR01C-10035MS 94-Kwa-s	11: ARDG-001414-T IR01C-10035MS 94-Kwa-s	12: ARDG-001415-T IR01C-10035MS 94-Kwa-s	13: ARDG-001416-T IR01C-10035MS 94-Kwa-s	14: ARDG-001417-T IR01C-10035MS 94-Kwa-s
Vol NaOH to pH=8.3 [mL]	39.29	29.53	29.92	28.38	34.80	24.25	30.22
Final pH [no unit]	1.71	1.73	1.71	1.61	1.62	1.67	1.60
NP [t CaCO3/1000 t]	66.8	57.7	50.2	54.8	48.8	39.4	46.7
AP [t CaCO3/1000 t]	4.38	2.50	1.88	2.50	1.88	1.56	2.19
Net NP [t CaCO3/1000 t]	62.4	55.2	48.3	52.3	46.9	37.8	44.5
NP/AP [ratio]	15.3	23.1	26.8	21.9	26.0	25.2	21.3
S [%]	0.208	0.127	0.105	0.138	0.112	0.089	0.109
Acid Leachable SO4-S [%]	0.07	0.05	0.04	0.06	0.05	< 0.04	< 0.04
Sulphide [%]	0.14	0.08	0.06	0.08	0.06	0.05	0.07
C [%]	0.881	0.792	0.703	0.771	0.688	0.554	0.629
CO3 (HCl) as %CO3 [%]	3.99	3.73	3.16	3.55	3.09	2.47	2.81

Analysis	15: ARDG-001418-T IR01C-10035MS 94-Kwa-s	16: ARDG-001419-T IR01C-10035MS 94-Kwa-s
Sample Date & Time	03-Oct-24	03-Oct-24
Paste pH [no unit]	9.04	8.96
Fizz Rate [rating]	4	4
Sample weight [g]	2.01	2.00
HCl_add [mL]	58.90	66.00
HCl [Normality]	0.10	0.10
NaOH [Normality]	0.10	0.10
Vol NaOH to pH=8.3 [mL]	30.85	39.08
Final pH [no unit]	1.62	1.60
NP [t CaCO3/1000 t]	69.8	67.3
AP [t CaCO3/1000 t]	3.12	4.06
Net NP [t CaCO3/1000 t]	66.7	63.2
NP/AP [ratio]	22.3	16.6
S [%]	0.178	0.161
Acid Leachable SO4-S [%]	0.08	< 0.04
Sulphide [%]	0.10	0.13
C [%]	0.966	0.929
CO3 (HCl) as %CO3 [%]	4.39	4.30

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

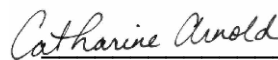
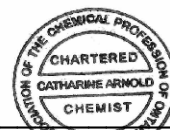
NP/AP Ratio = NP/AP

*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.

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	g	NA	Sample weight
	mL		MEND PROJECT 1.16.1B
	mL	NA	MEND PROJECT 1.16.1B
	no unit	NA	SM 4500
	Normality	NA	MEND PROJECT 1.16.1B
	rating	NA	MEND PROJECT 1.16.1B
	ratio	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Acid Potential	t CaCO3/1000 t	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	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	no unit	ME-CA-[ENV]ARD-LAK-AN-005	ARD Prediction Manual 2009



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

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: ECS0051-OCT24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0052-OCT24													
Carbon (total)	0.005	%	<0.005			3	20				100	70 130	
Sulphur (total)	0.005	%	<0.005			4	20				109	70 130	
Carbon/Sulphur - QCBatchID: ECS0056-OCT24													
Sulphide	0.04	%	< 0.01			9	20	80	80	120			

25-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 24 October 2024
LR Report: CA19841-OCT24
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-001439-T IR01D-10030MS 05-Mv	6: ARDG-001440-T IR01D-10030MS 05-Kwa-s	7: ARDG-001441-T IR01D-10030MS 05-Kwa-s	8: ARDG-001442-T IR01D-10030MS 05-Kwa-s	9: ARDG-001443-T IR01D-10030MS 05-Kwa-s	10: ARDG-001444-T IR01D-10030MS 05-Kwa-s	11: ARDG-001445-T IR01D-10030MS 05-Kwa-s
Sample Date & Time					19-Oct-24	19-Oct-24	19-Oct-24	19-Oct-24	19-Oct-24	19-Oct-24	19-Oct-24
Ag [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	76000	78000	78000	88000	87000	89000	83000
As [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	9.1	58	50	63	29	79	110
Ba [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	51	640	670	1200	710	700	700
Be [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	0.42	1.2	1.2	1.6	1.3	1.4	1.4
Bi [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	< 0.09	0.19	0.24	0.11	0.16	0.20	0.16
Ca [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	96000	13000	12000	16000	16000	15000	14000
Cd [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	0.11	0.08	0.09	0.10	0.07	0.09	0.08
Co [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	48	25	23	21	20	25	23
Cr [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	110	80	72	70	70	88	80
Cu [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	170	57	61	44	48	40	42
Fe [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	68000	41000	39000	41000	40000	50000	49000
K [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	3900	18000	19000	23000	20000	19000	19000
Li [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	68	35	34	36	34	45	45
Mg [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	23000	14000	13000	13000	12000	15000	14000
Mn [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	2000	390	340	410	340	480	450
Mo [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	0.3	1.6	1.6	1.6	1.5	1.6	1.6
Ni [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	110	71	68	68	67	76	74
P [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	260	460	440	480	470	530	520
Pb [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	3.3	21	22	41	8.0	10	9.8
Sb [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001439-T Completed IR01D-10030MS Time	5: ARDG-001440-T 05-Mv	6: ARDG-001441-T 05-Kwa-s	7: ARDG-001442-T 05-Kwa-s	8: ARDG-001443-T 05-Kwa-s	9: ARDG-001444-T 05-Kwa-s	10: ARDG-001445-T 05-Kwa-s	11: ARDG-001445-T 05-Kwa-s
Se [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	0.4	0.3	0.3	0.3	0.2	0.3	0.2
Sn [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	170	250	230	390	300	290	280
Ti [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	480	3000	2900	3500	3100	3400	3300
Tl [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	0.13	0.41	0.43	0.57	0.45	0.40	0.41
U [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	0.062	1.4	1.6	1.7	1.7	1.9	1.9
V [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	220	97	91	100	94	110	110
Y [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	12	6.3	6.3	7.9	7.5	8.1	7.3
Zn [µg/g]	20-Nov-24	21:11	22-Nov-24	10:30	91	77	72	75	69	80	79

Bulk Metals Suite



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

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: EMS0210-NOV24													
Calcium	3	µg/g	<3			1		98			92		
Phosphorus	3	µg/g	<3			3		96			92		
Potassium	3	µg/g	<3			0		99			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0210-NOV24													
Aluminum	3	µg/g	<3			1	20	104	70	130	98	70	130
Antimony	0.8	µg/g	<0.8			ND	20	101	70	130	84	70	130
Arsenic	0.5	µg/g	<0.5			16	20	105	70	130	98	70	130
Barium	0.01	µg/g	<0.01			2	20	101	70	130	103	70	130
Beryllium	0.02	µg/g	<0.02			8	20	99	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			5	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			17	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			9	20	109	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	108	70	130	98	70	130
Copper	0.1	µg/g	<0.1			1	20	106	70	130	102	70	130
Iron	3	µg/g	<3			0	20	99	70	130	98	70	130
Lead	0.05	µg/g	<0.05			3	20	96	70	130	98	70	130
Lithium	2	µg/g	<2			1	20	104	70	130	104	70	130
Magnesium	3	µg/g	<3			1	20	103	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			0	20	109	70	130	101	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	103	70	130	107	70	130
Nickel	0.1	µg/g	<0.1			1	20	104	70	130	107	70	130
Selenium	0.1	µg/g	<0.1			11	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	103	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			7	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	108	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	94	70	130	85	70	130
Uranium	0.002	µg/g	<0.002			6	20	97	70	130	91	70	130
Vanadium	1	µg/g	<1			2	20	109	70	130	100	70	130
Yttrium	0.004	µg/g	<0.004			1	20	104	70	130	93	70	130
Zinc	0.7	µg/g	<0.7			1	20	108	70	130	100	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

12-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 22 October 2024

LR Report: CA19754-OCT24

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: TIR01C-10030MS 37-ARDG-00142737 -Kwa-s	6: TIR01C-10030MS 37-ARDG-00142837 -Kwa-s	7: TIR01C-10030MS 37-ARDG-00142937 -Kwa-s	8: TIR01C-10030MS 37-ARDG-00143037 -Kwa-s
Sample Date & Time					14-Oct-24	14-Oct-24	14-Oct-24	14-Oct-24
Paste pH [no unit]	04-Nov-24	09:50	06-Nov-24	10:22	9.22	9.22	9.03	9.19
Fizz Rate [rating]	04-Nov-24	08:08	06-Nov-24	10:22	4	4	3	3
Sample weight [g]	04-Nov-24	08:08	06-Nov-24	10:22	2.00	2.00	2.00	2.00
HCl_add [mL]	05-Nov-24	06:31	06-Nov-24	10:22	40.00	40.00	37.10	28.00
HCl [Normality]	04-Nov-24	08:30	06-Nov-24	10:22	0.10	0.10	0.10	0.10
NaOH [Normality]	04-Nov-24	08:30	06-Nov-24	10:22	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	05-Nov-24	09:00	06-Nov-24	10:22	22.34	22.23	21.59	14.79
Final pH [no unit]	05-Nov-24	08:32	06-Nov-24	10:22	1.60	1.54	1.56	1.74
NP [t CaCO3/1000 t]	05-Nov-24	09:00	06-Nov-24	10:22	44.2	44.4	38.8	33.0
AP [t CaCO3/1000 t]	05-Nov-24	09:00	06-Nov-24	10:22	4.06	3.75	6.56	5.94
Net NP [t CaCO3/1000 t]	05-Nov-24	09:00	06-Nov-24	10:22	40.1	40.6	32.2	27.1
NP/AP [ratio]	05-Nov-24	09:00	06-Nov-24	10:22	10.9	11.8	5.91	5.56
S [%]	28-Oct-24	13:48	29-Oct-24	15:26	0.210	0.214	0.328	0.297
Acid Leachable SO4-S [%]	29-Oct-24	13:34	29-Oct-24	15:26	0.08	0.09	0.12	0.11
Sulphide [%]	29-Oct-24	13:26	29-Oct-24	15:26	0.13	0.12	0.21	0.19
C [%]	28-Oct-24	13:48	29-Oct-24	15:26	0.563	0.576	0.602	0.468
CO3 (HCl) as %CO3 [%]	29-Oct-24	08:27	29-Oct-24	15:26	2.49	2.57	2.37	2.01

Analysis	9: TIR01C-10030MS 37-ARDG-00143137 -Kwa-s	10: TIR01C-10030MS 37-ARDG-00143237 -Kwa-s	11: TIR01C-10030MS 37-ARDG-00143337 -Kwa-s	12: TIR01C-10030MS 37-ARDG-00143437 -Kwa-s	13: TIR01C-10030MS 37-ARDG-00143537 -Kwa-s	14: TIR01C-10030MS 37-ARDG-00143637 -Kwa-s	15: TIR01C-10030MS 37-ARDG-00143737 -Kwa-s	16: TIR01C-10030MS 37-ARDG-00143837 -Kwa-s
Sample Date & Time	14-Oct-24	14-Oct-24	14-Oct-24	15-Oct-24	15-Oct-24	15-Oct-24	15-Oct-24	15-Oct-24
Paste pH [no unit]	9.16	9.15	9.11	9.20	9.23	9.02	9.16	9.17
Fizz Rate [rating]	3	4	4	4	4	4	4	4
Sample weight [g]	2.00	2.02	2.00	2.01	2.01	2.01	2.01	2.00
HCl_add [mL]	30.00	40.00	40.00	40.00	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]	16.63	21.90	25.23	22.26	24.52	23.14	25.30	25.25
Final pH [no unit]	1.74	1.59	1.51	1.60	1.52	1.59	1.49	1.45
NP [t CaCO3/1000 t]	33.4	44.8	36.9	44.1	38.5	42.0	36.6	36.9
AP [t CaCO3/1000 t]	6.25	6.56	3.12	3.12	4.69	5.00	4.38	5.00
Net NP [t CaCO3/1000 t]	27.2	38.2	33.8	41.0	33.8	37.0	32.2	31.9

Online LIMS

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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
Carbon/Sulphur - QCBatchID: ECS0065-OCT24													
Carbon (total)	0.005	%	<0.005			1	20				97	70	13
Sulphur (total)	0.005	%	<0.005			1	20				100	70	13
Carbon/Sulphur - QCBatchID: ECS0066-OCT24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0068-OCT24													
Sulphide	0.04	%	< 0.01			5	20	104	80	120			

**SGS Canada Inc.**

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

mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

12-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 24 October 2024
LR Report: CA19842-OCT24
Reference: Meliadine - PO#1254179

Copy: #1

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

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis ARDG-001439-TARDG-001440-TIARDG-001441-TIARDG-001442-TI Completed IR01D-10030MSR01D-10030MS0R01D-10030MS0R01D-10030MS0 Time	5: 05-Mv	6: 5-Kwa-s	7: 5-Kwa-s	8: 5-Kwa-s
Sample Date & Time					19-Oct-24	19-Oct-24	19-Oct-24	19-Oct-24
Sample weight [g]	29-Oct-24	14:05	31-Oct-24	10:03	251	250	249	251
Volume D.I. Water [mL]	30-Oct-24	06:45	31-Oct-24	10:03	750	750	750	750
pH [no unit]	31-Oct-24	06:14	31-Oct-24	10:03	8.99	8.84	9.00	8.92
pH [No unit]	31-Oct-24	15:53	01-Nov-24	10:59	8.15	8.11	8.19	8.33
Conductivity [uS/cm]	31-Oct-24	15:53	01-Nov-24	10:59	159	248	224	282
Alkalinity [mg/L as CaCO3]	31-Oct-24	15:53	01-Nov-24	10:59	47	53	51	61
SO4 [mg/L]	01-Nov-24	08:43	01-Nov-24	19:08	10	37	28	48
Hg (diss) [mg/L]	01-Nov-24	13:55	04-Nov-24	12:36	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.761	0.569	0.614	0.494
As (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.0007	0.0487	0.0570	0.0048
Ba (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.00073	0.00296	0.00258	0.00709
B (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.013	0.017	0.016	0.013
Be (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	8.88	10.8	9.45	13.4
Cd (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.000003	< 0.000003	0.000003	0.000003
Co (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.000010	0.000035	0.000035	0.000024
Cr (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	5.13	18.4	17.8	22.9
Li (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.0008	0.0011	0.0009	0.0015
Mg (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	1.66	3.90	3.28	5.27
Mn (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.00186	0.00147	0.00106	0.00187
Mo (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.0020	0.0048	0.0303	0.0300
Na (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	17.9	19.5	18.5	19.9
Ni (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.0004	0.0001	0.0013	0.0003
Pb (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.00009	< 0.00009	< 0.00009	0.00017
Sb (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.0009	0.0073	0.0077	0.0070
Se (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.00011	0.00069	0.00061	0.00041
Si (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.83	1.44	1.44	1.47
Sn (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.0297	0.0484	0.0391	0.0767
Ti (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.0001	< 0.0001	0.0001	< 0.0001

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01**Project :** PO#1254179**LR Report :** CA19842-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-001439-TARDG-001440-TIARDG-001441-TIARDG-001442-TI Completed IR01D-10030MSR01D-10030MS0R01D-10030MS0R01D-10030MS0 05-Mv	6: ARDG-001443-TIARDG-001444-TIARDG-001445-TI R01D-10030MS0R01D-10030MS0R01D-10030MS0 5-Kwa-s	7: ARDG-001443-TIARDG-001444-TIARDG-001445-TI R01D-10030MS0R01D-10030MS0R01D-10030MS0 5-Kwa-s	8: ARDG-001443-TIARDG-001444-TIARDG-001445-TI R01D-10030MS0R01D-10030MS0R01D-10030MS0 5-Kwa-s
Tl (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.000005	< 0.000005	0.000005	< 0.000005
U (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.000017	0.000293	0.000228	0.000291
V (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.00095	0.00135	0.00151	0.00081
W (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	0.00063	0.00168	0.00147	0.00175
Y (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	01-Nov-24	13:23	04-Nov-24	12:36	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: ARDG-001443-TIARDG-001444-TIARDG-001445-TI R01D-10030MS0R01D-10030MS0R01D-10030MS0 5-Kwa-s	10: ARDG-001443-TIARDG-001444-TIARDG-001445-TI R01D-10030MS0R01D-10030MS0R01D-10030MS0 5-Kwa-s	11: ARDG-001443-TIARDG-001444-TIARDG-001445-TI R01D-10030MS0R01D-10030MS0R01D-10030MS0 5-Kwa-s
Sample Date & Time	19-Oct-24	19-Oct-24	19-Oct-24
Sample weight [g]	251	249	249
Volume D.I. Water [mL]	750	750	750
pH [no unit]	8.82	9.07	9.06
pH [No unit]	8.28	8.84	8.58
Conductivity [uS/cm]	290	191	186
Alkalinity [mg/L as CaCO3]	55	63	59
SO4 [mg/L]	44	12	12
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.536	0.484	0.514
As (diss) [mg/L]	0.0215	0.0395	0.0380
Ba (diss) [mg/L]	0.00369	0.00243	0.00235
B (diss) [mg/L]	0.014	0.043	0.040
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	12.5	6.31	6.06
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000035	0.000019	0.000007
Cr (diss) [mg/L]	< 0.00008	0.00012	0.00011
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	0.015	0.015
K (diss) [mg/L]	21.1	17.8	17.1
Li (diss) [mg/L]	0.0012	0.0008	0.0009
Mg (diss) [mg/L]	4.58	1.65	1.60
Mn (diss) [mg/L]	0.00135	0.00420	0.00025
Mo (diss) [mg/L]	0.0075	0.0038	0.0038
Na (diss) [mg/L]	24.5	20.2	19.2
Ni (diss) [mg/L]	0.0003	0.0011	0.0004
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0077	0.0069	0.0068
Se (diss) [mg/L]	0.00048	0.00017	0.00017
Si (diss) [mg/L]	1.45	1.64	1.60
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0611	0.0287	0.0266
Ti (diss) [mg/L]	0.0002	0.0015	0.0015
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000320	0.000178	0.000182
V (diss) [mg/L]	0.00101	0.00223	0.00207
W (diss) [mg/L]	0.00120	0.00181	0.00171
Y (diss) [mg/L]	< 0.00002	0.00002	0.00004
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002

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

Page 2 of 5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at <https://www.sgs.ca/en/terms-and-conditions> (Printed copies are available upon request.)

Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

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.

SGS Canada Inc.

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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19842-OCT24

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

Catharine Arnold

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

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: EWL0776-OCT24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8000-NOV24													
Sulphate	2	mg/L	<2			ND	20	111	80	120	111	75	125
Conductivity - QCBatchID: EWL0776-OCT24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0079-OCT24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	110	80	120	102	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0384-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			4	20	100	90	110	96	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	102	90	110	101	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	98	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	99	90	110	97	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	98	90	110	97	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	97	90	110	103	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	98	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	101	90	110	102	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			9	20	102	90	110	100	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	100	90	110	103	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	97	90	110	92	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	101	90	110	101	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	106	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	97	90	110	96	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	93	90	110	94	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			ND	20	108	90	110	99	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			9	20	101	90	110	98	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	101	90	110	94	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			8	20	102	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			7	20	109	90	110	101	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	102	90	110	110	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	101	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	100	90	110	91	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			14	20	102	90	110	98	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			16	20	98	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	92	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	100	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	100	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	98	90	110	103	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	101	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	95	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	102	70	130
pH - QCBatchID: EWL0776-OCT24													
pH	0.05	No unit	NA			1		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock OP TIR01

Project : PO#1254179

21-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 24 October 2024
 LR Report: CA19840-OCT24
 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-001439 -TIR01D-1003 OMS05-Mv	6: ARDG-001440 -TIR01D-1003 OMS05-Kwa-s	7: ARDG-001441 -TIR01D-1003 OMS05-Kwa-s
Sample Date & Time					19-Oct-24	19-Oct-24	19-Oct-24
Paste pH [no unit]	05-Nov-24	17:43	06-Nov-24	16:21	8.72	8.98	8.99
Fizz Rate [rating]	04-Nov-24	15:20	06-Nov-24	16:21	4	3	3
Sample weight [g]	04-Nov-24	13:29	06-Nov-24	16:21	2.03	2.00	2.02
HCl_add [mL]	05-Nov-24	15:21	06-Nov-24	16:21	160.00	42.00	41.00
HCl [Normality]	04-Nov-24	15:31	06-Nov-24	16:21	0.10	0.10	0.10
NaOH [Normality]	04-Nov-24	15:30	06-Nov-24	16:21	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	05-Nov-24	15:56	06-Nov-24	16:21	63.34	23.84	24.28
Final pH [no unit]	05-Nov-24	15:37	06-Nov-24	16:21	1.57	1.70	1.50
NP [t CaCO3/1000 t]	05-Nov-24	18:11	06-Nov-24	16:21	238	45.4	41.4
AP [t CaCO3/1000 t]	05-Nov-24	18:11	06-Nov-24	16:22	4.69	4.69	3.12
Net NP [t CaCO3/1000 t]	05-Nov-24	18:11	06-Nov-24	16:22	233	40.7	38.3
NP/AP [ratio]	05-Nov-24	18:11	06-Nov-24	16:22	50.8	9.69	13.2
S [%]	30-Oct-24	09:51	21-Nov-24	16:38	0.225	0.255	0.200
Acid Leachable SO4-S [%]	01-Nov-24	08:17	21-Nov-24	16:38	0.08	0.10	0.10
Sulphide [%]	01-Nov-24	08:10	21-Nov-24	16:38	0.15	0.15	0.10
C [%]	30-Oct-24	09:51	31-Oct-24	11:18	3.07	0.698	0.638
CO3 (HCl) as %CO3 [%]	31-Oct-24	10:18	31-Oct-24	11:18	14.8	2.91	2.63

Analysis	8: ARDG-001442 -TIR01D-1003 OMS05-Kwa-s	9: ARDG-001443 -TIR01D-1003 OMS05-Kwa-s	10: ARDG-001444 -TIR01D-1003 OMS05-Kwa-s	11: ARDG-001445 -TIR01D-1003 OMS05-Kwa-s
Sample Date & Time	19-Oct-24	19-Oct-24	19-Oct-24	19-Oct-24
Paste pH [no unit]	9.02	8.92	9.04	9.03
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.01	2.00	2.01	2.01
HCl_add [mL]	40.00	40.00	40.00	40.00

Analysis	8:	9:	10:	11:
	ARDG-001442	ARDG-001443	ARDG-001444	ARDG-001445
	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003	-TIR01D-1003
	OMS05-Kwa-s	OMS05-Kwa-s	OMS05-Kwa-s	OMS05-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]	18.64	19.94	22.23	23.13
Final pH [no unit]	1.94	1.76	1.71	1.54
NP [t CaCO3/1000 t]	53.1	50.2	44.2	42.0
AP [t CaCO3/1000 t]	5.94	3.44	2.19	2.50
Net NP [t CaCO3/1000 t]	47.2	46.8	42.0	39.5
NP/AP [ratio]	8.94	14.6	20.2	16.8
S [%]	0.297	0.232	0.161	0.161
Acid Leachable SO4-S [%]	0.11	0.12	0.09	0.08
Sulphide [%]	0.19	0.11	0.07	0.08
C [%]	0.882	0.800	0.690	0.677
CO3 (HCl) as %CO3 [%]	3.82	3.40	2.75	2.72

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

NP/AP Ratio = NP/AP

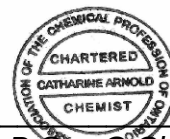
*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material

Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

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



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: ECS0003-NOV24													
Sulphide	0.04	%	< 0.01			3	20	104	80	120			
Carbon/Sulphur - QCBatchID: ECS0070-OCT24													
Carbon (total)	0.005	%	<0.005			0	20				99	70 130	
Sulphur (total)	0.005	%	<0.005			8	20				102	70 130	
Carbon/Sulphur - QCBatchID: ECS0072-OCT24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	99	80	120			



SGS Canada Inc.

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

20-November-2024

Date Rec. : 22 October 2024
LR Report: CA19755-OCT24
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 Time	5: TIR01C-10030M S37-ARDG-0014 27-Kwa-s	6: TIR01C-10030M S37-ARDG-0014 28-Kwa-s	7: TIR01C-10030M S37-ARDG-0014 29-Kwa-s	8: TIR01C-10030M S37-ARDG-0014 30-Kwa-s	9: TIR01C-10030M S37-ARDG-0014 31-Kwa-s	10: TIR01C-10030M S37-ARDG-0014 32-Kwa-s
Sample Date & Time					14-Oct-24	14-Oct-24	14-Oct-24	14-Oct-24	14-Oct-24	14-Oct-24
Ag [µg/g]	08-Nov-24	02:25	08-Nov-24	09:02	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	08-Nov-24	02:25	08-Nov-24	09:02	75000	69000	68000	49000	53000	57000
As [µg/g]	08-Nov-24	02:25	08-Nov-24	09:02	20	15	29	24	26	63
Ba [µg/g]	08-Nov-24	02:25	08-Nov-24	09:02	810	810	810	560	620	520
Be [µg/g]	08-Nov-24	02:25	08-Nov-24	09:02	1.6	1.5	1.6	1.5	1.7	1.5
Bi [µg/g]	08-Nov-24	02:25	08-Nov-24	09:02	0.19	0.18	0.26	0.16	0.13	0.22
Ca [µg/g]	08-Nov-24	02:25	08-Nov-24	09:02	14000	14000	11000	7700	7700	11000
Cd [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	0.07	0.07	0.09	0.10	0.09	0.11
Co [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	20	19	21	21	22	22
Cr [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	76	80	99	120	90	93
Cu [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	46	41	47	48	53	53
Fe [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	36000	35000	43000	34000	37000	35000
K [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	19000	19000	17000	18000	20000	17000
Li [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	50	49	54	50	55	47
Mg [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	13000	13000	13000	12000	13000	12000
Mn [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	270	270	340	250	250	360

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S37-ARDG-0014 27-Kwa-s	6: TIR01C-10030M S37-ARDG-0014 28-Kwa-s	7: TIR01C-10030M S37-ARDG-0014 29-Kwa-s	8: TIR01C-10030M S37-ARDG-0014 30-Kwa-s	9: TIR01C-10030M S37-ARDG-0014 31-Kwa-s	10: TIR01C-10030M S37-ARDG-0014 32-Kwa-s
Mo [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	2.7	2.8	3.0	4.1	3.2	4.1
Ni [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	65	63	71	66	70	68
P [µg/g]	08-Nov-24	02:25	08-Nov-24	09:03	420	420	440	390	420	420
Pb [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	8	9	10	16	24	18
Sb [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	0.3	0.2	0.3	0.3	0.2	0.3
Sn [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	< 6	< 6	< 6	< 6	< 6	78
Sr [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	350	340	290	220	230	270
Ti [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	1400	1300	1600	770	850	1000
Tl [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	0.46	0.47	0.44	0.46	0.52	0.45
U [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	1.7	1.5	1.7	1.8	1.6	1.5
V [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	81	77	79	75	87	79
Y [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	6.9	6.2	5.7	4.8	4.5	4.3
Zn [µg/g]	08-Nov-24	02:25	08-Nov-24	09:09	62	60	75	72	71	77

Analysis	11: TIR01C-10030M S37-ARDG-0014 33-Kwa-s	12: TIR01C-10030M S37-ARDG-0014 34-Kwa-s	13: TIR01C-10030M S37-ARDG-0014 35-Kwa-s	14: TIR01C-10030M S37-ARDG-0014 36-Kwa-s	15: TIR01C-10030M S37-ARDG-0014 37-Kwa-s	16: TIR01C-10030M S37-ARDG-0014 38-Kwa-s
Sample Date & Time	14-Oct-24	15-Oct-24	15-Oct-24	15-Oct-24	15-Oct-24	15-Oct-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	70000	71000	71000	79000	69000	63000
As [µg/g]	49	55	38	140	34	35
Ba [µg/g]	580	870	790	810	750	740
Be [µg/g]	1.7	1.6	1.5	2.1	1.5	1.5
Bi [µg/g]	0.29	0.17	0.19	0.39	0.27	0.25
Ca [µg/g]	9700	12000	12000	11000	10000	9600
Cd [µg/g]	0.12	0.09	0.08	0.12	0.08	0.09
Co [µg/g]	22	20	19	27	21	21
Cr [µg/g]	91	86	87	140	110	109
Cu [µg/g]	49	52	48	52	54	52



SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19755-OCT24

Analysis	11: TIR01C-10030M S37-ARDG-0014 33-Kwa-s	12: TIR01C-10030M S37-ARDG-0014 34-Kwa-s	13: TIR01C-10030M S37-ARDG-0014 35-Kwa-s	14: TIR01C-10030M S37-ARDG-0014 36-Kwa-s	15: TIR01C-10030M S37-ARDG-0014 37-Kwa-s	16: TIR01C-10030M S37-ARDG-0014 38-Kwa-s
Fe [µg/g]	39000	34000	34000	52000	37000	36000
K [µg/g]	19000	19000	17000	26000	18000	18000
Li [µg/g]	57	43	45	72	46	45
Mg [µg/g]	15000	12000	12000	20000	13000	13000
Mn [µg/g]	370	310	320	450	330	320
Mo [µg/g]	3.0	3.6	3.2	3.6	3.5	3.6
Ni [µg/g]	74	64	64	97	72	70
P [µg/g]	440	420	430	500	440	430
Pb [µg/g]	26	9	8	31	14	14
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.3	0.3	0.3	0.3	0.3	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	270	340	330	270	300	280
Ti [µg/g]	840	1600	1200	1100	880	860
Tl [µg/g]	0.45	0.45	0.40	0.68	0.48	0.47
U [µg/g]	1.5	1.6	1.5	2.1	1.8	1.7
V [µg/g]	93	80	79	150	85	82
Y [µg/g]	5.0	5.8	6.5	6.8	5.6	5.0
Zn [µg/g]	92	64	73	110	81	79

Bulk Metals Suite

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

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: EMS0063-NOV24													
Calcium	3	µg/g	<3			3		94			81		
Phosphorus	3	µg/g	<3			2		94			87		
Potassium	3	µg/g	<3			3		99			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0063-NOV24													
Aluminum	3	µg/g	<3			3	20	108	70	130	81	70	130
Antimony	0.8	µg/g	<0.8			1	20	92	70	130	103	70	130
Arsenic	0.5	µg/g	<0.5			2	20	109	70	130	80	70	130
Barium	0.01	µg/g	<0.01			3	20	101	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			3	20	104	70	130	90	70	130
Bismuth	0.09	µg/g	<0.09			1	20	94	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			0	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			10	20	98	70	130	84	70	130
Cobalt	0.01	µg/g	<0.01			2	20	99	70	130	94	70	130
Copper	0.1	µg/g	<0.1			0	20	100	70	130	102	70	130
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			1	20	98	70	130	103	70	130
Lithium	2	µg/g	<2			1	20	101	70	130	99	70	130
Magnesium	3	µg/g	<3			3	20	99	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			2	20	103	70	130	96	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	92	70	130	102	70	130
Nickel	0.1	µg/g	<0.1			5	20	101	70	130	114	70	130
Selenium	0.1	µg/g	<0.1			10	20	101	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	100	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	105	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	104	70	130	77	70	130
Uranium	0.002	µg/g	<0.002			2	20	95	70	130	93	70	130
Vanadium	1	µg/g	<1			2	20	94	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			2	20	97	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	103	70	130	99	70	130



SGS Canada Inc.

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

22-November-2024

Date Rec. : 22 October 2024
LR Report: CA19756-OCT24
Reference: Meliadine - PO#1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S37-ARDG-0014 27-Kwa-s	6: TIR01C-10030M S37-ARDG-0014 28-Kwa-s	7: TIR01C-10030M S37-ARDG-0014 29-Kwa-s	8: TIR01C-10030M S37-ARDG-0014 30-Kwa-s	9: TIR01C-10030M S37-ARDG-0014 31-Kwa-s	10: TIR01C-10030M S37-ARDG-0014 32-Kwa-s
Sample Date & Time					14-Oct-24	14-Oct-24	14-Oct-24	14-Oct-24	14-Oct-24	14-Oct-24
Sample weight [g]	24-Oct-24	15:11	30-Oct-24	15:15	251	250	250	250	249	249
Volume D.I. Water [mL]	29-Oct-24	07:50	30-Oct-24	15:15	750	750	750	750	750	750
pH [no unit]	30-Oct-24	06:31	30-Oct-24	15:15	9.21	9.27	9.06	9.15	9.12	9.16
pH [No unit]	30-Oct-24	16:06	31-Oct-24	12:41	8.59	8.83	8.04	8.87	8.72	8.83
Conductivity [uS/cm]	30-Oct-24	16:06	31-Oct-24	12:41	178	182	189	182	193	197
Alkalinity [mg/L as CaCO3]	30-Oct-24	16:06	31-Oct-24	12:41	55	58	52	56	58	59
SO4 [mg/L]	31-Oct-24	08:48	31-Oct-24	15:03	16	17	24	17	24	19
Hg (diss) [mg/L]	01-Nov-24	14:48	21-Nov-24	17:02	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	< 0.00005	< 0.00005	< 0.00005	0.00006	< 0.00005	< 0.00005
Al (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.524	0.467	0.441	0.452	0.407	0.499
As (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.0463	0.0356	0.0480	0.0385	0.0189	0.0380
Ba (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.00264	0.00269	0.00253	0.00226	0.00230	0.00207
B (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.045	0.050	0.044	0.046	0.046	0.042
Be (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	5.68	5.12	7.92	6.16	7.61	7.40
Cd (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.000009	0.000010	0.000009	0.000005	< 0.000003	< 0.000003

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S37-ARDG-0014 27-Kwa-s	6: TIR01C-10030M S37-ARDG-0014 28-Kwa-s	7: TIR01C-10030M S37-ARDG-0014 29-Kwa-s	8: TIR01C-10030M S37-ARDG-0014 30-Kwa-s	9: TIR01C-10030M S37-ARDG-0014 31-Kwa-s	10: TIR01C-10030M S37-ARDG-0014 32-Kwa-s
Co (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.000035	0.000036	0.000021	0.000031	0.000020	0.000037
Cr (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.00022	0.00020	0.00010	0.00022	0.00015	0.00013
Cu (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	< 0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.030	0.030	0.011	0.025	0.013	0.010
K (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	15.8	16.1	14.1	15.2	16.5	14.8
Li (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.0007	0.0008	0.0009	0.0010	0.0011	0.0014
Mg (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	1.26	1.16	1.79	1.61	1.99	2.10
Mn (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.00031	0.00035	0.00029	0.00050	0.00030	0.00041
Mo (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.0294	0.0258	0.0313	0.0081	0.0062	0.0048
Na (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	19.1	20.2	18.2	18.1	17.7	20.4
Ni (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	< 0.0001	0.0003	< 0.0001	< 0.0001	0.0003	0.0003
Pb (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.00011	< 0.00009	< 0.00009	0.00011	< 0.00009	< 0.00009
Sb (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.0079	0.0074	0.0068	0.0073	0.0071	0.0079
Se (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.00019	0.00022	0.00029	0.00017	0.00020	0.00064
Si (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	1.93	1.99	1.61	1.96	1.74	1.76
Sn (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.0258	0.0242	0.0356	0.0256	0.0337	0.0337
Ti (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.0024	0.0025	0.0008	0.0019	0.0009	0.0011
Tl (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.000191	0.000245	0.000114	0.000277	0.000158	0.000328
V (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.00267	0.00236	0.00144	0.00220	0.00150	0.00199
W (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.00306	0.00338	0.00222	0.00446	0.00288	0.00381
Y (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	0.00006	0.00009	< 0.00002	0.00006	0.00004	0.00003
Zn (diss) [mg/L]	31-Oct-24	12:03	01-Nov-24	10:56	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: TIR01C-10030M S37-ARDG-0014 33-Kwa-s	12: TIR01C-10030M S37-ARDG-0014 34-Kwa-s	13: TIR01C-10030M S37-ARDG-0014 35-Kwa-s	14: TIR01C-10030M S37-ARDG-0014 36-Kwa-s	15: TIR01C-10030M S37-ARDG-0014 37-Kwa-s	16: TIR01C-10030M S37-ARDG-0014 38-Kwa-s	17: TIR01C-10030M S37-ARDG-0014 38-Kwa-s	18:BLK: D.I. Leachate Blank
Sample Date & Time	14-Oct-24	15-Oct-24	15-Oct-24	15-Oct-24	15-Oct-24	15-Oct-24		
Sample weight [g]	250	249	249	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750



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 : CA19756-OCT24

Analysis	11: TIR01C-10030M S37-ARDG-0014 33-Kwa-s	12: TIR01C-10030M S37-ARDG-0014 34-Kwa-s	13: TIR01C-10030M S37-ARDG-0014 35-Kwa-s	14: TIR01C-10030M S37-ARDG-0014 36-Kwa-s	15: TIR01C-10030M S37-ARDG-0014 37-Kwa-s	16: TIR01C-10030M S37-ARDG-0014 38-Kwa-s	17: TIR01C-10030M S37-ARDG-0014 38-Kwa-s	18:BLK: M.D.I. Leachate Blank
pH [no unit]	9.21	9.16	9.33	9.13	9.16	9.16	9.15	5.61
pH [No unit]	8.36	8.91	8.43	8.30	8.33	8.39	8.43	6.29
Conductivity [uS/cm]	199	204	188	228	199	204	205	< 2
Alkalinity [mg/L as CaCO3]	56	64	57	55	57	56	60	< 2
SO4 [mg/L]	26	22	18	34	22	25	26	< 2
Hg (diss) [mg/L]	< 0.00001	< 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	0.00007	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.436	0.410	0.448	0.396	0.413	0.480	0.445	< 0.001
As (diss) [mg/L]	0.0601	0.0713	0.0506	0.0387	0.0721	0.0808	0.0756	< 0.0002
Ba (diss) [mg/L]	0.00247	0.00261	0.00223	0.00259	0.00212	0.00263	0.00267	< 0.00008
B (diss) [mg/L]	0.050	0.046	0.049	0.041	0.047	0.048	0.048	0.002
Be (diss) [mg/L]	< 0.000007	< 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	< 0.00001
Ca (diss) [mg/L]	8.00	6.56	5.84	9.62	6.82	6.45	6.81	0.02
Cd (diss) [mg/L]	0.000013	< 0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000017	0.000022	0.000016	0.000011	0.000014	0.000054	0.000078	< 0.000004
Cr (diss) [mg/L]	0.00012	0.00011	0.00013	< 0.00008	0.00013	0.00020	0.00015	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.011	0.013	0.014	< 0.007	0.008	0.023	0.018	< 0.007
K (diss) [mg/L]	16.2	18.2	15.0	20.1	15.7	17.0	16.9	0.024
Li (diss) [mg/L]	0.0012	0.0011	0.0009	0.0010	0.0010	0.0009	0.0011	< 0.0001
Mg (diss) [mg/L]	2.21	2.16	1.40	2.67	1.85	1.74	1.89	0.002
Mn (diss) [mg/L]	0.00107	0.00064	0.00039	0.00041	0.00028	0.00048	0.00028	0.00029
Mo (diss) [mg/L]	0.0320	0.0052	0.0036	0.0073	0.0053	0.0058	0.0057	< 0.0004
Na (diss) [mg/L]	18.2	20.7	21.4	18.1	20.1	21.5	20.6	< 0.01
Ni (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0002	0.0033	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0075	0.0070	0.0085	0.0070	0.0075	0.0076	0.0076	< 0.0009
Se (diss) [mg/L]	0.00026	0.00037	0.00028	0.00020	0.00026	0.00032	0.00034	< 0.00004
Si (diss) [mg/L]	1.71	1.91	1.87	1.44	1.79	1.95	1.93	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00009	0.00011	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0382	0.0327	0.0259	0.0468	0.0302	0.0288	0.0307	< 0.00008

Analysis	11: TIR01C-10030M S37-ARDG-0014 33-Kwa-s	12: TIR01C-10030M S37-ARDG-0014 34-Kwa-s	13: TIR01C-10030M S37-ARDG-0014 35-Kwa-s	14: TIR01C-10030M S37-ARDG-0014 36-Kwa-s	15: TIR01C-10030M S37-ARDG-0014 37-Kwa-s	16: TIR01C-10030M S37-ARDG-0014 38-Kwa-s	17: TIR01C-10030M S37-ARDG-0014 38-Kwa-s	18:BLK: D.I. Leachate Blank
Ti (diss) [mg/L]	0.0007	0.0010	0.0013	0.0003	0.0006	0.0015	0.0015	< 0.0001
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000147	0.000258	0.000275	0.000114	0.000297	0.000312	0.000309	< 0.000002
V (diss) [mg/L]	0.00173	0.00215	0.00250	0.00117	0.00231	0.00268	0.00230	< 0.00001
W (diss) [mg/L]	0.00215	0.00345	0.00282	0.00174	0.00339	0.00389	0.00384	< 0.0002
Y (diss) [mg/L]	0.00004	0.00003	0.00003	0.00002	0.00003	0.00006	0.00006	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0737-OCT24													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8068-OCT24													
Sulphate	2	mg/L	<2			ND	20	100	80	120	100	75	125
Anions by discrete analyzer - QCBatchID: DIO8069-OCT24													
Sulphate	2	mg/L	<2			15	20	100	80	120	94	75	125
Conductivity - QCBatchID: EWL0737-OCT24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0051-NOV24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	94	80	120	124	70	130
Mercury by CVAAS - QCBatchID: EHG0075-OCT24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			15	20	117	80	120	99	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0371-OCT24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	102	90	110	101	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			2	20	109	90	110	74	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			0	20	100	90	110	98	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	96	90	110	85	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	99	90	110	97	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	101	70	130
Boron (dissolved)	0.002	mg/L	<0.002			2	20	101	90	110	101	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	99	90	110	93	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	100	90	110	72	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			15	20	99	90	110	84	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	95	90	110	89	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	96	90	110	94	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	102	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			3	20	104	90	110	94	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			1	20	98	90	110	93	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	98	90	110	112	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	109	90	110	100	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			17	20	99	90	110	92	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	100	90	110	93	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			9	20	101	90	110	94	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	99	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	105	90	110	73	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	101	90	110	101	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	95	90	110	76	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	103	90	110	97	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			8	20	104	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			9	20	108	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			2	20	103	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	99	90	110	92	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	92	90	110	75	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			18	20	97	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	99	90	110	96	70	130
pH - QCBatchID: EWL0737-OCT24													
pH	0.05	No unit	NA			0		100			NA		

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

26-November-2024

Date Rec. : 31 October 2024
LR Report: CA19890-OCT24
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: TIR01C-10025 MS30-ARDG-0 01454-Kwa-s	6: TIR01C-10025 MS30-ARDG-0 01455-Kwa-s	7: TIR01C-10025 MS30-ARDG-0 01456-Kwa-s	8: TIR01C-10025 MS30-ARDG-0 01457-Kwa-s	9: TIR01C-10025 MS30-ARDG-0 01458-Kwa-s	10: TIR01C-10025 MS30-ARDG-0 01459-Kwa-s
Sample Date & Time					26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24	27-Sep-24	27-Sep-24
Paste pH [no unit]	06-Nov-24	14:53	07-Nov-24	13:43	9.07	9.33	9.22	9.31	9.15	9.18
Fizz Rate [rating]	05-Nov-24	12:55	07-Nov-24	13:43	3	3	3	3	3	3
Sample weight [g]	05-Nov-24	11:22	07-Nov-24	13:43	2.05	2.02	2.01	2.01	2.04	2.00
HCl_add [mL]	06-Nov-24	12:27	07-Nov-24	13:43	50.50	40.00	40.00	50.00	40.00	40.00
HCl [Normality]	05-Nov-24	13:11	07-Nov-24	13:43	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	05-Nov-24	13:15	07-Nov-24	13:43	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Nov-24	14:13	07-Nov-24	13:43	28.50	20.53	20.18	27.68	20.62	20.99
Final pH [no unit]	06-Nov-24	13:34	07-Nov-24	13:43	1.63	1.78	1.95	1.58	1.83	1.71
NP [t CaCO3/1000 t]	06-Nov-24	14:14	07-Nov-24	13:43	53.7	48.2	49.3	55.5	47.5	47.5
AP [t CaCO3/1000 t]	06-Nov-24	14:14	15-Nov-24	10:43	5.31	3.44	4.06	5.62	5.62	6.56
Net NP [t CaCO3/1000 t]	06-Nov-24	14:14	15-Nov-24	10:43	48.4	44.8	45.2	49.9	41.9	40.9
NP/AP [ratio]	06-Nov-24	14:14	15-Nov-24	10:43	10.1	14.0	12.1	9.87	8.44	7.24
S [%]	12-Nov-24	13:31	14-Nov-24	11:00	0.236	0.185	0.202	0.253	0.225	0.256
Acid Leachable SO4-S [%]	13-Nov-24	13:12	14-Nov-24	11:00	0.07	0.08	0.07	0.07	0.04	0.05
Sulphide [%]	13-Nov-24	13:04	14-Nov-24	11:00	0.17	0.11	0.13	0.18	0.18	0.21

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025 MS30-ARDG-0 01454-Kwa-s	6: TIR01C-10025 MS30-ARDG-0 01455-Kwa-s	7: TIR01C-10025 MS30-ARDG-0 01456-Kwa-s	8: TIR01C-10025 MS30-ARDG-0 01457-Kwa-s	9: TIR01C-10025 MS30-ARDG-0 01458-Kwa-s	10: TIR01C-10025 MS30-ARDG-0 01459-Kwa-s
C [%]	12-Nov-24	13:31	14-Nov-24	11:00	0.845	0.730	0.745	0.853	0.770	0.778
CO3 (HCl) as %CO3 [%]	13-Nov-24	08:18	14-Nov-24	11:00	3.66	3.24	3.34	3.96	3.31	3.34

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

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: ECS0012-NOV24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			3	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0025-NOV24													
Carbon (total)	0.005	%	<0.005			1	20				99	70 130	
Sulphur (total)	0.005	%	<0.005			5	20				103	70 130	
Carbon/Sulphur - QCBatchID: ECS0030-NOV24													
Sulphide	0.04	%	< 0.01			20	20	90	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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

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

26-November-2024

Date Rec. : 31 October 2024
LR Report: CA19891-OCT24
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: TIR01C-10025 MS30-ARDG-0 01454-Kwa-s	6: TIR01C-10025 MS30-ARDG-0 01455-Kwa-s	7: TIR01C-10025 MS30-ARDG-0 01456-Kwa-s	8: TIR01C-10025 MS30-ARDG-0 01457-Kwa-s	9: TIR01C-10025 MS30-ARDG-0 01458-Kwa-s	10: TIR01C-10025 MS30-ARDG-0 01459-Kwa-s
Sample Date & Time					26-Sep-24	26-Sep-24	26-Sep-24	26-Sep-24	27-Sep-24	27-Sep-24
Ag [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	68000	64000	70000	72000	67000	74000
As [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	290	640	660	3600	95	100
Ba [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	770	690	660	700	770	780
Be [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	1.5	1.5	1.4	1.6	1.2	1.2
Bi [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	0.24	0.21	0.21	0.98	0.17	0.18
Ca [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	12000	10000	11000	13000	12000	13000
Cd [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	0.16	0.14	0.15	0.19	0.11	0.09
Co [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	25	24	23	24	21	23
Cr [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	130	120	120	120	100	120
Cu [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	59	58	57	49	45	47
Fe [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	40000	38000	38000	40000	35000	36000
K [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	22000	21000	20000	22000	17000	17000
Li [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	35	36	35	32	33	32
Mg [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	15000	14000	14000	15000	13000	13000

Online LIMS

0003940169



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19891-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025 MS30-ARDG-0 01454-Kwa-s	6: TIR01C-10025 MS30-ARDG-0 01455-Kwa-s	7: TIR01C-10025 MS30-ARDG-0 01456-Kwa-s	8: TIR01C-10025 MS30-ARDG-0 01457-Kwa-s	9: TIR01C-10025 MS30-ARDG-0 01458-Kwa-s	10: TIR01C-10025 MS30-ARDG-0 01459-Kwa-s
Mn [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	390	370	380	420	350	360
Mo [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	2.4	2.0	1.9	1.9	1.5	1.6
Ni [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	78	75	74	77	62	64
P [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	450	450	440	400	410	430
Pb [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	22	23	26	73	11	13
Sb [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	< 0.8	< 0.8	< 0.8	1.3	< 0.8	< 0.8
Se [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	0.3	0.2	0.2	0.4	0.2	0.3
Sn [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	360	320	340	330	340	350
Ti [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	2300	3100	3000	3500	1400	1400
Tl [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	0.57	0.51	0.49	0.54	0.43	0.43
U [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	1.8	1.7	1.6	1.7	1.2	1.5
V [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	100	98	96	100	84	83
Y [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	5.1	4.2	4.6	5.1	4.6	6.0
Zn [µg/g]	20-Nov-24	21:11	22-Nov-24	10:41	100	100	98	93	82	80

Bulk Metals Suite

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

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: EMS0210-NOV24													
Calcium	3	µg/g	<3			1		98			92		
Phosphorus	3	µg/g	<3			3		96			92		
Potassium	3	µg/g	<3			0		99			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0210-NOV24													
Aluminum	3	µg/g	<3			1	20	104	70	130	98	70	130
Antimony	0.8	µg/g	<0.8			ND	20	101	70	130	84	70	130
Arsenic	0.5	µg/g	<0.5			16	20	105	70	130	98	70	130
Barium	0.01	µg/g	<0.01			2	20	101	70	130	103	70	130
Beryllium	0.02	µg/g	<0.02			8	20	99	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			5	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			17	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			9	20	109	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	108	70	130	98	70	130
Copper	0.1	µg/g	<0.1			1	20	106	70	130	102	70	130
Iron	3	µg/g	<3			0	20	99	70	130	98	70	130
Lead	0.05	µg/g	<0.05			3	20	96	70	130	98	70	130
Lithium	2	µg/g	<2			1	20	104	70	130	104	70	130
Magnesium	3	µg/g	<3			1	20	103	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			0	20	109	70	130	101	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	103	70	130	107	70	130
Nickel	0.1	µg/g	<0.1			1	20	104	70	130	107	70	130
Selenium	0.1	µg/g	<0.1			11	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	103	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			7	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	108	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	94	70	130	85	70	130
Uranium	0.002	µg/g	<0.002			6	20	97	70	130	91	70	130
Vanadium	1	µg/g	<1			2	20	109	70	130	100	70	130
Yttrium	0.004	µg/g	<0.004			1	20	104	70	130	93	70	130
Zinc	0.7	µg/g	<0.7			1	20	108	70	130	100	70	130

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at <https://www.sgs.ca/en/terms-and-conditions> (Printed copies are available upon request.) Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples. 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.

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
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mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19892-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025MSTIR01C-10025MS 30-ARDG-00145430-ARDG-00145530-ARDG-00145630-ARDG-001457 -Kwa-s	6: TIR01C-10025MSTIR01C-10025MS 30-ARDG-00145430-ARDG-00145530-ARDG-00145630-ARDG-001457 -Kwa-s	7: TIR01C-10025MSTIR01C-10025MS 30-ARDG-00145430-ARDG-00145530-ARDG-00145630-ARDG-001457 -Kwa-s	8: TIR01C-10025MSTIR01C-10025MS 30-ARDG-00145430-ARDG-00145530-ARDG-00145630-ARDG-001457 -Kwa-s
TI (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:42	< 0.000005	< 0.000005	0.000181	0.000005
U (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:42	0.000373	0.000385	0.000351	0.000354
V (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:42	0.00222	0.00337	0.00274	0.00423
W (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:42	0.0041	0.0031	0.0027	0.0044
Y (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:42	0.00003	0.00005	< 0.00002	< 0.00002
Zn (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:42	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: TIR01C-10025MSTIR01C-10025MS 30-ARDG-00145830-ARDG-001459 -Kwa-s	10: TIR01C-10025MSTIR01C-10025MS 30-ARDG-00145830-ARDG-001459 -Kwa-s
Sample Date & Time	27-Sep-24	27-Sep-24
Sample weight [g]	250	250
Volume D.I. Water [mL]	750	750
pH [no unit]	9.25	9.00
pH [No unit]	7.88	8.56
Conductivity [uS/cm]	223	233
Alkalinity [mg/L as CaCO3]	60	69
SO4 [mg/L]	22	23
Hg (diss) [mg/L]	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.636	0.623
As (diss) [mg/L]	0.103	0.103
Ba (diss) [mg/L]	0.00391	0.00349
B (diss) [mg/L]	0.014	0.014
Be (diss) [mg/L]	< 0.000007	0.000010
Bi (diss) [mg/L]	< 0.00001	< 0.00001
Ca (diss) [mg/L]	10.6	10.7
Cd (diss) [mg/L]	< 0.000003	0.000005
Co (diss) [mg/L]	0.000028	0.000034
Cr (diss) [mg/L]	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007
K (diss) [mg/L]	19.8	20.2
Li (diss) [mg/L]	0.0013	0.0013
Mg (diss) [mg/L]	3.77	3.89
Mn (diss) [mg/L]	0.00122	0.00138
Mo (diss) [mg/L]	0.0058	0.0060
Na (diss) [mg/L]	19.7	20.2
Ni (diss) [mg/L]	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0058	0.0060
Se (diss) [mg/L]	0.00033	0.00037
Si (diss) [mg/L]	1.75	1.71
Sn (diss) [mg/L]	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0493	0.0493
Ti (diss) [mg/L]	0.0002	0.0001
TI (diss) [mg/L]	0.000013	0.000023
U (diss) [mg/L]	0.000209	0.000226
V (diss) [mg/L]	0.00183	0.00177
W (diss) [mg/L]	0.0022	0.0023
Y (diss) [mg/L]	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002

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

SGS Canada Inc.

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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19892-OCT24

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

Catharine Arnold

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

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: EWL0167-NOV24													
Alkalinity	2	mg/L as Ca	< 2			2	20	106	80	120	NA		
Alkalinity - QCBatchID: EWL0168-NOV24													
Alkalinity	2	mg/L as Ca	< 2			2	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8015-NOV24													
Sulphate	2	mg/L	<2			ND	20	100	80	120	99	75	125
Conductivity - QCBatchID: EWL0167-NOV24													
Conductivity	2	uS/cm	< 2			0	20	98	90	110	NA		
Conductivity - QCBatchID: EWL0168-NOV24													
Conductivity	2	uS/cm	2			0	20	102	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0023-NOV24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	116	80	120	109	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0103-NOV24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	95	90	110	73	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	112	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			11	20	98	90	110	100	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	97	90	110	99	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	ND	90	110	99	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	92	90	110	90	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	102	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	99	90	110	101	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	97	90	110	89	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	98	90	110	91	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			5	20	94	90	110	105	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	94	90	110	103	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	95	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	95	90	110	97	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	101	90	110	97	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			3	20	98	90	110	92	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	94	90	110	96	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	101	90	110	92	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			13	20	95	90	110	104	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	100	90	110	96	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	101	90	110	96	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	106	90	110	87	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	99	90	110	94	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	92	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	96	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	93	90	110	78	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			14	20	93	90	110	94	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	95	90	110	109	70	130
pH - QCBatchID: EWL0167-NOV24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0168-NOV24													
pH	0.05	No unit	NA			2		99			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

18-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 31 October 2024
 LR Report: CA19893-OCT24
 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: TIR01C-10030M S39-ARDG-0014 46-Kwa-s	6: TIR01C-10030M S39-ARDG-0014 47-Kwa-s	7: TIR01C-10030M S39-ARDG-0014 48-Kwa-s
Sample Date & Time					23-Oct-24	23-Oct-24	23-Oct-24
Paste pH [no unit]	06-Nov-24	14:53	07-Nov-24	13:43	8.61	9.03	9.11
Fizz Rate [rating]	05-Nov-24	12:55	07-Nov-24	13:43	4	4	4
Sample weight [g]	05-Nov-24	11:22	07-Nov-24	13:43	2.01	2.03	2.03
HCl_add [mL]	06-Nov-24	12:27	07-Nov-24	13:43	55.00	50.00	50.00
HCl [Normality]	05-Nov-24	13:11	07-Nov-24	13:43	0.10	0.10	0.10
NaOH [Normality]	05-Nov-24	13:15	07-Nov-24	13:43	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Nov-24	14:13	07-Nov-24	13:43	28.47	26.53	28.22
Final pH [no unit]	06-Nov-24	13:34	07-Nov-24	13:43	1.80	1.59	1.58
NP [t CaCO3/1000 t]	06-Nov-24	14:14	07-Nov-24	13:43	66.0	57.8	53.6
AP [t CaCO3/1000 t]	06-Nov-24	14:14	18-Nov-24	16:47	5.31	3.12	2.50
Net NP [t CaCO3/1000 t]	06-Nov-24	14:14	18-Nov-24	16:47	60.7	54.7	51.1
NP/AP [ratio]	06-Nov-24	14:14	18-Nov-24	16:47	12.4	18.5	21.4
S [%]	14-Nov-24	12:52	18-Nov-24	13:15	0.196	0.129	0.113
Acid Leachable SO4-S [%]	18-Nov-24	12:24	18-Nov-24	13:15	< 0.04	< 0.04	< 0.04
Sulphide [%]	18-Nov-24	12:20	18-Nov-24	13:15	0.17	0.10	0.08
C [%]	14-Nov-24	12:51	18-Nov-24	13:15	0.841	0.854	0.812
CO3 (HCl) as %CO3 [%]	15-Nov-24	09:33	18-Nov-24	13:15	3.94	3.77	3.59

Analysis	8: TIR01C-10030M S39-ARDG-0014 49-Kwa-s	9: TIR01C-10030M S39-ARDG-0014 50-Mv	10: TIR01C-10030M S39-ARDG-0014 51-Mv	11: TIR01C-10030M S39-ARDG-0014 52-Mv	12: TIR01C-10030M S39-ARDG-0014 53-Mv
Sample Date & Time	23-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24
Paste pH [no unit]	9.21	8.82	8.77	8.84	8.82
Fizz Rate [rating]	4	4	4	4	4
Sample weight [g]	2.00	2.01	2.01	2.00	2.01
HCl_add [mL]	40.00	134.50	140.00	140.00	120.00
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]	17.74	58.86	44.24	55.21	34.87
Final pH [no unit]	1.86	1.62	1.77	1.64	1.80

Analysis	8: TIR01C-10030M S39-ARDG-0014 49-Kwa-s	9: TIR01C-10030M S39-ARDG-0014 50-Mv	10: TIR01C-10030M S39-ARDG-0014 51-Mv	11: TIR01C-10030M S39-ARDG-0014 52-Mv	12: TIR01C-10030M S39-ARDG-0014 53-Mv
NP [t CaCO ₃ /1000 t]	55.7	188	238	212	212
AP [t CaCO ₃ /1000 t]	1.56	3.44	20.0	4.69	5.31
Net NP [t CaCO ₃ /1000 t]	54.1	185	218	207	206
NP/AP [ratio]	35.6	54.7	11.9	45.2	39.9
S [%]	0.082	0.118	0.635	0.178	0.228
Acid Leachable SO ₄ -S [%]	< 0.04	< 0.04	< 0.04	< 0.04	0.06
Sulphide [%]	0.05	0.11	0.64	0.15	0.17
C [%]	0.789	2.87	3.23	2.86	2.82
CO ₃ (HCl) as %CO ₃ [%]	3.31	13.9	15.8	13.8	13.6

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold

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

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: ECS0035-NOV24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	13
Sulphur (total)	0.005	%	<0.005			0	20				98	70	13
Carbon/Sulphur - QCBatchID: ECS0037-NOV24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0041-NOV24													
Sulphide	0.04	%	< 0.01			1	20	120	80	120			



SGS Canada Inc.

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

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

26-November-2024

Date Rec. : 31 October 2024
LR Report: CA19894-OCT24
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: TIR01C-10030M S39-ARDG-0014 46-Kwa-s	6: TIR01C-10030M S39-ARDG-0014 47-Kwa-s	7: TIR01C-10030M S39-ARDG-0014 48-Kwa-s	8: TIR01C-10030M S39-ARDG-0014 49-Kwa-s	9: TIR01C-10030M S39-ARDG-0014 50-Mv	10: TIR01C-10030M S39-ARDG-0014 51-Mv	11: TIR01C-10030M S39-ARDG-0014 52-Mv	12: TIR01C-10030M S39-ARDG-0014 53-Mv
Sample Date & Time					23-Oct-24	23-Oct-24	23-Oct-24	23-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24
Ag [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	69000	72000	68000	63000	71000	50000	74000	75000
As [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	47	69	74	5.0	220	46	38	39
Ba [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	450	740	820	520	37	52	90	98
Be [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	1.2	1.2	1.2	1.2	0.40	0.41	0.36	0.38
Bi [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	0.13	0.15	0.17	0.10	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	27000	22000	19000	22000	69000	74000	81000	79000
Cd [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	0.08	0.07	0.07	0.06	0.15	0.15	0.12	0.08
Co [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	10	8.8	8.9	8.0	47	43	51	52
Cr [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	30	36	45	55	160	110	100	120
Cu [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	28	33	37	24	98	81	110	110
Fe [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	100000	61000	49000	77000	82000	55000	78000	79000
K [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	10000	16000	18000	15000	2800	3800	3100	3400
Li [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	35	28	24	29	84	44	61	60
Mg [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	8900	8600	7600	6500	40000	20000	24000	24000
Mn [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	410	270	250	300	1400	1600	2300	2200
Mo [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	1.2	0.8	1.4	1.6	0.5	0.9	0.3	0.2
Ni [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	25	20	20	16	110	88	100	100
P [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	550	390	350	400	260	190	270	280
Pb [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	9.7	9.5	9.2	6.1	4.2	5.0	2.6	2.6
Sb [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8

Online LIMS

0003940177



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 : CA19894-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S39-ARDG-0014 46-Kwa-s	6: TIR01C-10030M S39-ARDG-0014 47-Kwa-s	7: TIR01C-10030M S39-ARDG-0014 48-Kwa-s	8: TIR01C-10030M S39-ARDG-0014 49-Kwa-s	9: TIR01C-10030M S39-ARDG-0014 50-Mv	10: TIR01C-10030M S39-ARDG-0014 51-Mv	11: TIR01C-10030M S39-ARDG-0014 52-Mv	12: TIR01C-10030M S39-ARDG-0014 53-Mv
Se [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	0.2	0.1	0.1	< 0.1	0.3	0.7	0.4	0.5
Sn [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	390	600	590	370	120	120	110	110
Ti [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	2200	2000	2000	2000	530	1500	4000	4000
TI [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	0.17	0.29	0.34	0.24	0.11	0.17	0.15	0.17
U [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	1.00	1.14	0.90	0.67	0.082	0.068	0.058	0.056
V [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	46	37	38	35	220	150	240	250
Y [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	7.4	5.4	3.7	2.9	4.6	6.9	8.2	8.2
Zn [µg/g]	20-Nov-24	21:11	22-Nov-24	10:42	59	65	64	51	110	61	110	110

Bulk Metals Suite

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

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: EMS0210-NOV24													
Calcium	3	µg/g	<3			1		98			92		
Phosphorus	3	µg/g	<3			3		96			92		
Potassium	3	µg/g	<3			0		99			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0210-NOV24													
Aluminum	3	µg/g	<3			1	20	104	70	130	98	70	130
Antimony	0.8	µg/g	<0.8			ND	20	101	70	130	84	70	130
Arsenic	0.5	µg/g	<0.5			16	20	105	70	130	98	70	130
Barium	0.01	µg/g	<0.01			2	20	101	70	130	103	70	130
Beryllium	0.02	µg/g	<0.02			8	20	99	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			5	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			17	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			9	20	109	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	108	70	130	98	70	130
Copper	0.1	µg/g	<0.1			1	20	106	70	130	102	70	130
Iron	3	µg/g	<3			0	20	99	70	130	98	70	130
Lead	0.05	µg/g	<0.05			3	20	96	70	130	98	70	130
Lithium	2	µg/g	<2			1	20	104	70	130	104	70	130
Magnesium	3	µg/g	<3			1	20	103	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			0	20	109	70	130	101	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	103	70	130	107	70	130
Nickel	0.1	µg/g	<0.1			1	20	104	70	130	107	70	130
Selenium	0.1	µg/g	<0.1			11	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	103	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			7	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	108	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	94	70	130	85	70	130
Uranium	0.002	µg/g	<0.002			6	20	97	70	130	91	70	130
Vanadium	1	µg/g	<1			2	20	109	70	130	100	70	130
Yttrium	0.004	µg/g	<0.004			1	20	104	70	130	93	70	130
Zinc	0.7	µg/g	<0.7			1	20	108	70	130	100	70	130

**SGS Canada Inc.**

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

mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

12-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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

Date Rec. : 31 October 2024
LR Report: CA19895-OCT24
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: TIR01C-10030M S39-ARDG-0014 46-Kwa-s	6: TIR01C-10030M S39-ARDG-0014 47-Kwa-s	7: TIR01C-10030M S39-ARDG-0014 48-Kwa-s	8: TIR01C-10030M S39-ARDG-0014 49-Kwa-s
Sample Date & Time					23-Oct-24	23-Oct-24	23-Oct-24	23-Oct-24
Sample weight [g]	06-Nov-24	16:23	08-Nov-24	09:01	251	250	250	249
Volume D.I. Water [mL]	07-Nov-24	07:32	08-Nov-24	09:01	750	750	750	750
pH [no unit]	08-Nov-24	07:18	08-Nov-24	09:01	8.86	9.03	9.07	9.22
pH [No unit]	08-Nov-24	08:31	08-Nov-24	15:32	7.72	8.88	8.94	8.97
Conductivity [uS/cm]	08-Nov-24	08:31	08-Nov-24	15:32	238	227	218	229
Alkalinity [mg/L as CaCO3]	08-Nov-24	08:31	08-Nov-24	15:32	54	79	79	68
SO4 [mg/L]	08-Nov-24	09:46	08-Nov-24	18:36	11	7	4	17
Hg (diss) [mg/L]	08-Nov-24	14:47	12-Nov-24	09:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.574	0.416	0.489	0.537
As (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.0029	0.0145	0.0162	0.0057
Ba (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.00604	0.00551	0.0148	0.00696
B (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.016	0.055	0.067	0.081
Be (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	12.8	9.72	7.44	5.96
Cd (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.000021	< 0.000003	0.000012	0.000004
Co (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.000105	0.000011	0.000021	0.000022
Cr (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.00009	0.00026	0.00032	0.00027
Cu (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.015	0.009	0.038	0.069
K (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	16.9	16.5	18.1	16.9
Li (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.0011	0.0018	0.0018	0.0017
Mg (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	1.87	2.37	1.90	0.779
Mn (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.00106	0.00030	0.00267	0.00190
Mo (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.0058	0.0062	0.0303	0.0052
Na (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	21.7	26.4	28.5	34.0
Ni (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.0004	0.0002	0.0002	0.0001
Pb (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.0015	0.0027	0.0032	0.0013
Se (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.00013	0.00014	0.00011	0.00015
Si (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	1.12	1.51	1.73	2.10
Sn (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.229	0.113	0.0701	0.0440
Ti (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.0002	0.0002	0.0010	0.0019

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01**Project :** PO#1254179**LR Report :** CA19895-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S39-ARDG-0014 46-Kwa-s	6: TIR01C-10030M S39-ARDG-0014 47-Kwa-s	7: TIR01C-10030M S39-ARDG-0014 48-Kwa-s	8: TIR01C-10030M S39-ARDG-0014 49-Kwa-s
TI (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.000008	0.000225	0.000019	< 0.000005
U (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.000048	0.000210	0.000146	0.000145
V (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.00022	0.00039	0.00054	0.00111
W (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.0023	0.0017	0.0019	0.0028
Y (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	0.00007	< 0.00002	0.00003	0.00003
Zn (diss) [mg/L]	11-Nov-24	13:04	12-Nov-24	09:41	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: TIR01C-10030M S39-ARDG-0014 50-Mv	10: TIR01C-10030M S39-ARDG-0014 51-Mv	11: TIR01C-10030M S39-ARDG-0014 52-Mv	12: TIR01C-10030M S39-ARDG-0014 53-Mv	13: TIR01C-10030M S39-ARDG-0014 53-Mv	14:BLK: D.I. Leachate Blank
Sample Date & Time	24-Oct-24	24-Oct-24	24-Oct-24	24-Oct-24		
Sample weight [g]	250	251	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.01	8.65	8.88	8.78	8.80	5.61
pH [No unit]	7.80	7.69	7.74	8.01	7.99	5.65
Conductivity [uS/cm]	168	281	143	150	148	< 2
Alkalinity [mg/L as CaCO3]	63	66	50	50	52	< 2
SO4 [mg/L]	8	55	11	12	11	< 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]	0.399	0.334	0.542	0.543	0.559	0.001
As (diss) [mg/L]	0.0103	0.0037	0.0017	0.0017	0.0017	< 0.0002
Ba (diss) [mg/L]	0.00122	0.00256	0.00098	0.00417	0.00083	0.00019
B (diss) [mg/L]	0.012	0.019	0.004	0.005	0.005	< 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]	11.3	17.0	12.5	12.7	12.4	< 0.01
Cd (diss) [mg/L]	< 0.000003	0.000005	< 0.000003	< 0.000003	0.000013	< 0.000003
Co (diss) [mg/L]	0.000022	0.000044	0.000012	0.000011	0.000013	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	3.27	3.24	2.85	3.00	2.89	0.026
Li (diss) [mg/L]	0.0011	0.0027	0.0013	0.0012	0.0013	< 0.0001
Mg (diss) [mg/L]	6.01	11.9	3.82	3.99	3.88	0.003
Mn (diss) [mg/L]	0.00145	0.00667	0.00306	0.00858	0.00305	0.00008
Mo (diss) [mg/L]	0.0037	0.0122	0.0021	0.0019	0.0297	< 0.0004
Na (diss) [mg/L]	14.1	21.5	10.4	11.1	10.6	< 0.01
Ni (diss) [mg/L]	0.0002	0.0003	< 0.0001	0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0011	0.0026	< 0.0009	< 0.0009	< 0.0009	< 0.0009
Se (diss) [mg/L]	0.00014	0.00093	0.00015	0.00015	0.00016	< 0.00004
Si (diss) [mg/L]	1.24	1.50	0.99	1.05	1.02	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0232	0.0300	0.0335	0.0584	0.0341	< 0.00008
Ti (diss) [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
TI (diss) [mg/L]	0.000005	< 0.000005	< 0.000005	0.000005	0.000009	< 0.000005
U (diss) [mg/L]	0.000025	0.000054	0.000009	0.000004	0.000005	< 0.000002
V (diss) [mg/L]	0.00068	0.00048	0.00058	0.00057	0.00060	< 0.00001
W (diss) [mg/L]	0.0016	0.0988	0.0011	0.0011	0.0012	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

Page 2 of 5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at <https://www.sgs.ca/en/terms-and-conditions> (Printed copies are available upon request.)

Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

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.

SGS Canada Inc.

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mel

Works #: Waste Rock OP TIR01

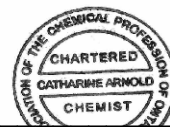
Project : PO#1254179

LR Report : CA19895-OCT24

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

Catharine Arnold



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

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: EWL0168-NOV24													
Alkalinity	2	mg/L as Ca	< 2			2	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8015-NOV24													
Sulphate	2	mg/L	<2			ND	20	100	80	120	99	75	125
Conductivity - QCBatchID: EWL0168-NOV24													
Conductivity	2	uS/cm	2			0	20	102	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0023-NOV24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	116	80	120	109	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0103-NOV24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	95	90	110	73	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	103	90	110	112	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			11	20	98	90	110	100	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	97	90	110	99	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	ND	90	110	99	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	92	90	110	90	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	102	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	99	90	110	101	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	97	90	110	89	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	98	90	110	91	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			5	20	94	90	110	105	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	94	90	110	103	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	95	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	95	90	110	97	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	101	90	110	97	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			3	20	98	90	110	92	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			1	20	94	90	110	96	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	101	90	110	92	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			13	20	95	90	110	104	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			0	20	100	90	110	96	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	101	90	110	96	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	106	90	110	87	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	99	90	110	94	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	92	90	110	94	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	96	90	110	96	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	93	90	110	78	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			14	20	93	90	110	94	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	92	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	95	90	110	109	70	130
pH - QCBatchID: EWL0168-NOV24													
pH	0.05	No unit	NA			2		99			NA		

**SGS Canada Inc.**

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mel
Works #: sys_loc_code=Waste Rock
Project : PO# 1254179

23-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 12 November 2024
LR Report: CA19086-NOV24
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: TIR01C-10030M S41-ARDG-0014 65-Mv	6: TIR01C-10030M S41-ARDG-0014 66-Mv	7: TIR01C-10030M S41-ARDG-0014 67-Mv
Sample Date & Time					02-Nov-24	02-Nov-24	02-Nov-24
Ag [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	71000	74000	73000
As [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	450	140	77
Ba [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	66	76	44
Be [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.42	0.68	0.48
Bi [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	< 0.09	< 0.09	< 0.09
Ca [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	83000	83000	75000
Cd [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.28	0.15	0.12
Co [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	45	49	43
Cr [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	150	170	170
Cu [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	100	93	98
Fe [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	70000	74000	74000
K [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	3800	6100	3700
Li [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	69	73	74
Mg [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	26000	27000	28000
Mn [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	1700	1600	1600
Mo [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.4	0.5	0.3
Ni [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	120	120	120
P [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	260	240	260
Pb [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	9	9	5
Sb [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.4	0.4	0.4
Sn [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	< 6	< 6	< 6
Sr [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	130	130	110
Ti [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	1800	1100	970
Tl [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.17	0.35	0.21
U [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.13	0.38	0.17
V [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	220	240	230
Y [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	8.1	9.1	7.7
Zn [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	160	120	110

Online LIMS

0003969682

Analysis	8: TIR01C-10030M S41-ARDG-0014 68-Ksc-wa	9: TIR01C-10030M S41-ARDG-0014 69-Mv	10: TIR01C-10030M S41-ARDG-0014 70-Ksc-wa	11: TIR01C-10030M S41-ARDG-0014 71-Ksc-wa	12: TIR01C-10030M S41-ARDG-0014 72-Ksc-wa
Sample Date & Time	03-Nov-24	04-Nov-24	04-Nov-24	04-Nov-24	04-Nov-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	0.7	< 0.5
Al [µg/g]	53000	67000	67000	63000	62000
As [µg/g]	7.8	25	17	20	39
Ba [µg/g]	470	150	760	270	290
Be [µg/g]	1.1	0.53	1.3	0.99	1.1
Bi [µg/g]	< 0.09	< 0.09	0.23	1.2	0.71
Ca [µg/g]	17000	83000	16000	36000	32000
Cd [µg/g]	0.08	0.16	0.07	0.10	0.09
Co [µg/g]	8.7	47	10.0	8.5	9.0
Cr [µg/g]	40	110	49	38	38
Cu [µg/g]	20	120	23	33	24
Fe [µg/g]	49000	76000	50000	82000	77000
K [µg/g]	14000	7400	20000	6900	7500
Li [µg/g]	33	64	38	31	31
Mg [µg/g]	6200	27000	9400	8100	7900
Mn [µg/g]	240	1900	310	480	460
Mo [µg/g]	0.7	0.5	1.3	0.9	0.8
Ni [µg/g]	19	110	26	22	22
P [µg/g]	310	250	400	360	350
Pb [µg/g]	7	6	16	95	56
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.1	0.6	0.1	0.2	0.1
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	270	120	250	450	410
Ti [µg/g]	2100	2400	2300	2100	2100
Tl [µg/g]	0.28	0.49	0.38	0.11	0.11
U [µg/g]	0.53	0.23	1.21	0.78	0.72
V [µg/g]	36	220	46	39	38
Y [µg/g]	2.4	11	4.5	5.6	4.9
Zn [µg/g]	57	100	62	59	55

Bulk Metals Suite



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

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: EMS0315-NOV24													
Calcium	3	µg/g	<3			3		102			95		
Phosphorus	3	µg/g	<3			0		100			91		
Potassium	3	µg/g	<3			3		103			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0315-NOV24													
Aluminum	3	µg/g	<3			4	20	105	70	130	97	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	110	70	130
Arsenic	0.5	µg/g	<0.5			1	20	105	70	130	96	70	130
Barium	0.01	µg/g	<0.01			1	20	106	70	130	107	70	130
Beryllium	0.02	µg/g	<0.02			1	20	102	70	130	87	70	130
Bismuth	0.09	µg/g	<0.09			3	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			20	20	104	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	104	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			2	20	104	70	130	93	70	130
Copper	0.1	µg/g	<0.1			3	20	106	70	130	102	70	130
Iron	3	µg/g	<3			4	20	98	70	130	95	70	130
Lead	0.05	µg/g	<0.05			10	20	103	70	130	106	70	130
Lithium	2	µg/g	<2			2	20	108	70	130	109	70	130
Magnesium	3	µg/g	<3			3	20	104	70	130	96	70	130
Manganese	0.1	µg/g	<0.1			3	20	107	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	96	70	130	97	70	130
Nickel	0.1	µg/g	<0.1			3	20	108	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			3	20	108	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	108	70	130	104	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	99	70	130	87	70	130
Uranium	0.002	µg/g	<0.002			2	20	99	70	130	94	70	130
Vanadium	1	µg/g	<1			5	20	106	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			0	20	106	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	106	70	130	100	70	130

**SGS Canada Inc.**

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mel

Works #: sys_loc_code=Waste Rock

Project : PO# 1254179

23-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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Phone: (819) 759-3555

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Date Rec. : 12 November 2024

LR Report: CA19085-NOV24

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: TIR01C-10030M S41-ARDG-0014 65-Mv	6: TIR01C-10030M S41-ARDG-0014 66-Mv	7: TIR01C-10030M S41-ARDG-0014 67-Mv
Sample Date & Time					02-Nov-24	02-Nov-24	02-Nov-24
Paste pH [no unit]	20-Nov-24	13:20	22-Nov-24	15:28	8.90	8.76	8.86
Fizz Rate [rating]	20-Nov-24	08:01	22-Nov-24	15:28	4	3	3
Sample weight [g]	20-Nov-24	07:24	22-Nov-24	15:28	2.00	2.00	2.00
HCl_add [mL]	21-Nov-24	08:32	22-Nov-24	15:28	150.00	140.10	125.00
HCl [Normality]	20-Nov-24	09:40	22-Nov-24	15:28	0.10	0.10	0.10
NaOH [Normality]	20-Nov-24	09:40	22-Nov-24	15:28	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Nov-24	12:26	22-Nov-24	15:28	51.71	46.68	40.05
Final pH [no unit]	21-Nov-24	10:20	22-Nov-24	15:28	1.70	1.66	1.77
NP [t CaCO3/1000 t]	21-Nov-24	12:26	22-Nov-24	15:28	246	234	212
AP [t CaCO3/1000 t]	21-Nov-24	12:26	25-Nov-24	11:55	5.00	5.62	4.69
Net NP [t CaCO3/1000 t]	21-Nov-24	12:26	25-Nov-24	11:55	241	228	208
NP/AP [ratio]	21-Nov-24	12:26	25-Nov-24	11:55	49.1	41.5	45.3
S [%]	21-Nov-24	14:12	25-Nov-24	11:55	0.266	0.248	0.171
Acid Leachable SO4-S [%]	22-Nov-24	15:22	25-Nov-24	11:55	0.11	0.07	< 0.04
Sulphide [%]	22-Nov-24	15:20	25-Nov-24	11:55	0.16	0.18	0.15
C [%]	21-Nov-24	14:12	25-Nov-24	11:55	3.44	3.12	2.83
CO3 (HCl) as %CO3 [%]	25-Nov-24	08:10	25-Nov-24	11:55	16.5	15.0	13.5

Analysis	8: TIR01C-10030M S41-ARDG-0014 68-Ksc-wa	9: TIR01C-10030M S41-ARDG-0014 69-Mv	10: TIR01C-10030M S41-ARDG-0014 70-Ksc-wa	11: TIR01C-10030M S41-ARDG-0014 71-Ksc-wa	12: TIR01C-10030M S41-ARDG-0014 72-Ksc-wa
Sample Date & Time	03-Nov-24	04-Nov-24	04-Nov-24	04-Nov-24	04-Nov-24
Paste pH [no unit]	9.19	8.77	9.20	8.80	8.82
Fizz Rate [rating]	3	3	3	3	3
Sample weight [g]	2.00	2.01	2.02	2.01	2.03
HCl_add [mL]	40.00	156.10	40.00	60.00	60.00
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]	20.90	58.10	22.93	25.44	27.34
Final pH [no unit]	1.59	1.63	1.53	1.66	1.66

Analysis	8: TIR01C-10030M S41-ARDG-0014 68-Ksc-wa	9: TIR01C-10030M S41-ARDG-0014 69-Mv	10: TIR01C-10030M S41-ARDG-0014 70-Ksc-wa	11: TIR01C-10030M S41-ARDG-0014 71-Ksc-wa	12: TIR01C-10030M S41-ARDG-0014 72-Ksc-wa
NP [t CaCO ₃ /1000 t]	47.7	244	42.2	86.0	80.5
AP [t CaCO ₃ /1000 t]	1.88	9.38	4.06	8.75	6.56
Net NP [t CaCO ₃ /1000 t]	45.8	234	38.1	77.2	73.9
NP/AP [ratio]	25.4	26.0	10.4	9.83	12.3
S [%]	0.078	0.331	0.134	0.348	0.232
Acid Leachable SO ₄ -S [%]	< 0.04	< 0.04	< 0.04	0.07	< 0.04
Sulphide [%]	0.06	0.30	0.13	0.28	0.21
C [%]	0.654	3.38	0.592	1.14	1.06
CO ₃ (HCl) as %CO ₃ [%]	2.84	16.3	2.48	5.32	4.90

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0050-NOV24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0053-NOV24													
Carbon (total)	0.005	%	<0.005			0	20				97	70	
Sulphur (total)	0.005	%	<0.005			0	20				106	70	
Carbon/Sulphur - QCBatchID: ECS0058-NOV24													
Sulphide	0.04	%	< 0.01			1	20	109	80	120			

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

23-December-2024

Date Rec. : 12 November 2024
LR Report: CA19087-NOV24
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: TIR01C-10030 MS41-ARDG-0 01465-Mv	6: TIR01C-10030 MS41-ARDG-0 01466-Mv	7: TIR01C-10030 MS41-ARDG-0 01467-Mv	8: TIR01C-10030 MS41-ARDG-0 01468-Ksc-wa	9: TIR01C-10030 MS41-ARDG-0 01469-Mv	10: TIR01C-10030 MS41-ARDG-0 01470-Ksc-wa
Sample Date & Time					02-Nov-24	02-Nov-24	02-Nov-24	03-Nov-24	04-Nov-24	04-Nov-24
Sample weight [g]	14-Nov-24	17:19	18-Nov-24	15:40	249	250	250	252	249	250
Volume D.I. Water [mL]	17-Nov-24	09:46	18-Nov-24	15:40	750	750	750	750	750	750
pH [no unit]	18-Nov-24	08:11	18-Nov-24	15:40	8.76	8.70	8.72	9.17	8.53	9.01
pH [No unit]	19-Nov-24	09:44	20-Nov-24	09:52	8.15	8.14	8.09	8.85	8.07	8.66
Conductivity [uS/cm]	19-Nov-24	09:44	20-Nov-24	09:52	185	230	197	172	244	194
Alkalinity [mg/L as CaCO3]	19-Nov-24	09:44	20-Nov-24	09:52	72	66	65	54	71	55
SO4 [mg/L]	19-Nov-24	12:14	19-Nov-24	16:38	7	8	8	7	43	10
Hg (diss) [mg/L]	20-Nov-24	07:11	21-Nov-24	10:37	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.528	0.481	0.458	0.599	0.318	0.471
As (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.0302	0.0278	0.0155	0.0042	0.0006	0.0149
Ba (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.00051	0.00085	0.00080	0.00281	0.00099	0.00334
B (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.010	0.018	0.013	0.034	0.008	0.040
Be (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007



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Lakefield - Ontario - KOL 2HO

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mel
Works #: sys_loc_code=Waste Rock OP TIR01
Project : PO# 1254179
LR Report : CA19087-NOV24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030 MS41-ARDG-0 01465-Mv	6: TIR01C-10030 MS41-ARDG-0 01466-Mv	7: TIR01C-10030 MS41-ARDG-0 01467-Mv	8: TIR01C-10030 MS41-ARDG-0 01468-Ksc-wa	9: TIR01C-10030 MS41-ARDG-0 01469-Mv	10: TIR01C-10030 MS41-ARDG-0 01470-Ksc-wa
Bi (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	10.7	11.1	10.8	6.06	17.4	6.76
Cd (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.000004	< 0.000003	< 0.000003	< 0.000003	0.000003	0.000005
Co (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.000039	0.000033	0.000027	0.000020	0.000013	0.000018
Cr (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00008
Cu (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.007	< 0.007	< 0.007	0.037	< 0.007	0.038
K (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	3.18	6.63	4.42	13.2	8.30	18.8
Li (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.0018	0.0013	0.0014	0.0011	0.0016	0.0011
Mg (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	5.30	4.91	4.84	0.902	9.10	0.945
Mn (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.00247	0.00238	0.00210	0.00029	0.00582	0.00056
Mo (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.0028	0.0022	0.0018	0.0043	0.0042	0.0039
Na (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	19.2	23.9	19.3	19.0	13.1	19.6
Ni (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.0003	0.0002	0.0003	0.0003	< 0.0001	0.0004
Pb (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.0032	0.0031	0.0031	0.0026	0.0033	0.0048
Se (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.00027	0.00029	0.00026	0.00007	0.00098	0.00016
Si (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	1.08	1.02	1.03	1.66	1.08	1.81
Sn (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.0157	0.0258	0.0229	0.0431	0.0312	0.0370
Ti (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.0001	< 0.0001	< 0.0001	0.0011	< 0.0001	0.0013
Tl (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.000005	0.000005	< 0.000005	< 0.000005	0.000016	< 0.000005
U (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.000004	0.000019	0.000006	0.000143	0.000032	0.000138
V (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.00089	0.00071	0.00070	0.00109	0.00035	0.00115
W (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	0.00092	0.00067	0.00068	0.00158	0.00078	0.00113
Y (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.00002	< 0.00002	< 0.00002	0.00003	< 0.00002	< 0.00002
Zn (diss) [mg/L]	19-Nov-24	11:51	21-Nov-24	10:37	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: TIR01C-10030 MS41-ARDG-0 01471-Ksc-wa	12: TIR01C-10030 MS41-ARDG-0 01472-Ksc-wa	13: TIR01C-10030 MS41-ARDG-0 01472-Ksc-wa	14:BLK: \$D.I. Leachate Blank
Sample Date & Time	04-Nov-24	04-Nov-24		
Sample weight [g]	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	8.90	8.96	8.99	5.61
pH [No unit]	7.95	7.99	8.02	5.30
Conductivity [uS/cm]	151	150	145	2
Alkalinity [mg/L as CaCO3]	44	46	41	< 2
SO4 [mg/L]	5	6	5	< 2
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]	0.811	0.796	0.852	0.001
As (diss) [mg/L]	0.0014	0.0015	0.0017	< 0.0002
Ba (diss) [mg/L]	0.00185	0.00182	0.00172	0.00025
B (diss) [mg/L]	0.011	0.011	0.011	< 0.002
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]	9.59	9.72	8.88	0.01
Cd (diss) [mg/L]	< 0.000003	0.000006	< 0.000003	< 0.000003
Co (diss) [mg/L]	< 0.000004	0.000007	0.000004	0.000008
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	6.59	5.96	5.61	0.238
Li (diss) [mg/L]	0.0007	0.0007	0.0006	< 0.0001
Mg (diss) [mg/L]	0.846	0.862	0.750	0.004
Mn (diss) [mg/L]	0.00078	0.00083	0.00073	0.00009
Mo (diss) [mg/L]	0.0057	0.0057	0.0055	< 0.0004
Na (diss) [mg/L]	15.9	15.7	15.5	< 0.01

Analysis	11: TIR01C-10030 MS41-ARDG-0 01471-Ksc-wa	12: TIR01C-10030 MS41-ARDG-0 01472-Ksc-wa	13: TIR01C-10030 MS41-ARDG-0 01472-Ksc-wa	14:BLK: \$D.I. Leachate Blank
Ni (diss) [mg/L]	< 0.0001	0.0004	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0020	0.0020	0.0025	< 0.0009
Se (diss) [mg/L]	0.00004	0.00005	< 0.00004	< 0.00004
Si (diss) [mg/L]	1.15	1.18	1.16	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.101	0.102	0.0993	< 0.00008
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000008
U (diss) [mg/L]	0.000032	0.000030	0.000034	< 0.000002
V (diss) [mg/L]	0.00036	0.00036	0.00042	< 0.00001
W (diss) [mg/L]	0.00093	0.00092	0.00098	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0386-NOV24													
Alkalinity	2	mg/L as Ca	< 2			1	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8031-NOV24													
Sulphate	2	mg/L	<2			ND	20	100	80	120	99	75	125
Conductivity - QCBatchID: EWL0386-NOV24													
Conductivity	2	uS/cm	< 2			1	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0047-NOV24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	100	80	120	84	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0212-NOV24													
Aluminum (dissolved)	0.001	mg/L	<0.001			8	20	97	90	110	99	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	102	90	110	100	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	100	90	110	95	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			14	20	97	90	110	97	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	96	90	110	94	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	93	90	110	79	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	93	90	110	89	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	97	90	110	98	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			9	20	105	90	110	102	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	99	90	110	92	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			13	20	97	90	110	94	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	99	90	110	98	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	101	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	95	90	110	95	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	103	90	110	100	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	102	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			3	20	99	90	110	101	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	99	90	110	100	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	93	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	103	90	110	82	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	98	90	110	103	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	95	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	93	90	110	91	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	100	90	110	95	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			ND	20	98	90	110	95	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	94	90	110	93	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	100	90	110	NV	70	130



SGS Canada Inc.

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mel
Works #: sys_loc_code=Waste Rock OP TIR01
Project : PO# 1254179
LR Report : CA19087-NOV24

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)	0.0001	mg/L	<0.0001			ND	20	105	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	95	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	94	90	110	96	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	100	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	98	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	112	70	130
pH - QCBatchID: EWL0386-NOV24													
pH	0.05	No unit	NA			0		100			NA		

11-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 05 November 2024
LR Report: CA19021-NOV24
Reference: Meliadine - PO#1254179

Copy: #1

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

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-1002MS TIR01D-1002MS 21-ARDG-00146 0-Mv	6: TIR01D-1002MS TIR01D-1002MS 21-ARDG-00146 1-Mv	7: TIR01D-1002MS TIR01D-1002MS 21-ARDG-00146 2-Kwa-s	8: TIR01D-1002MS TIR01D-1002MS 21-ARDG-00146 3-Ksc-wa	9: TIR01D-1002MS TIR01D-1002MS 21-ARDG-00146 4-Ksc-wa
Sample Date & Time					28-Oct-24	28-Oct-24	29-Oct-24	29-Oct-24	29-Oct-24
Paste pH [no unit]	14-Nov-24	12:33	15-Nov-24	13:38	8.95	8.60	9.10	8.45	8.55
Fizz Rate [rating]	14-Nov-24	08:31	15-Nov-24	13:38	4	4	3	4	4
Sample weight [g]	14-Nov-24	08:12	15-Nov-24	13:38	2.01	2.00	2.01	2.00	2.00
HCl_add [mL]	15-Nov-24	06:45	15-Nov-24	13:38	78.20	71.00	45.00	75.00	80.00
HCl [Normality]	14-Nov-24	08:45	15-Nov-24	13:38	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	14-Nov-24	08:45	15-Nov-24	13:38	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Nov-24	09:07	15-Nov-24	13:38	37.78	30.34	28.19	29.59	34.40
Final pH [no unit]	15-Nov-24	08:45	15-Nov-24	13:38	1.68	1.71	1.56	1.68	1.64
NP [t CaCO3/1000 t]	15-Nov-24	09:07	15-Nov-24	13:38	101	102	41.8	114	114
AP [t CaCO3/1000 t]	15-Nov-24	09:07	19-Nov-24	16:05	8.12	7.19	4.06	25.6	21.0
Net NP [t CaCO3/1000 t]	15-Nov-24	09:07	19-Nov-24	16:05	92.5	94.4	37.7	87.9	93.0
NP/AP [ratio]	15-Nov-24	09:07	19-Nov-24	16:05	12.4	14.1	10.3	4.43	5.43
S [%]	18-Nov-24	09:06	09-Dec-24	13:26	0.272	0.294	0.183	0.968	0.767
Acid Leachable SO4-S [%]	19-Nov-24	11:43	10-Dec-24	10:33	< 0.04	0.06	0.05	0.15	0.10
Sulphide [%]	06-Dec-24	10:09	21-Nov-24	16:31	0.26	0.23	0.13	0.82	0.67
C [%]	18-Nov-24	09:06	04-Dec-24	11:54	1.49	1.52	0.573	1.57	1.59
CO3 (HCl) as %CO3 [%]	19-Nov-24	08:04	21-Nov-24	16:23	7.03	7.21	2.60	7.49	7.52

ABA - Modified Sobek

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

Page 1 of 3

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at <https://www.sgs.ca/en/terms-and-conditions> (Printed copies are available upon request.)

Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
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.



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19021-NOV24

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

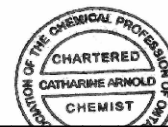
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold

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



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-DEC24													
Sulphide	0.04	%	< 0.01			0	20	81	80	120			
Carbon/Sulphur - QCBatchID: ECS0025-DEC24													
Sulphur (total)	0.005	%	<0.005			ND	20				105	70	13
Carbon/Sulphur - QCBatchID: ECS0038-NOV24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0039-NOV24													
Carbon (total)	0.005	%	<0.005			6	20				99	70	13
Sulphur (total)	0.005	%	<0.005			3	20				95	70	13
Carbon/Sulphur - QCBatchID: ECS0044-NOV24													
Sulphide	0.04	%	< 0.01			7	20	116	80	120			

27-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 05 November 2024
LR Report: CA19022-NOV24
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: TIR01D-1002MS 21-ARDG-00146 0-Mv	6: TIR01D-1002MS 21-ARDG-00146 1-Mv	7: TIR01D-1002MS 21-ARDG-00146 2-Kwa-s	8: TIR01D-1002MS 21-ARDG-00146 3-Ksc-wa	9: TIR01D-1002MS 21-ARDG-00146 4-Ksc-wa
Sample Date & Time					28-Oct-24	28-Oct-24	29-Oct-24	29-Oct-24	29-Oct-24
Ag [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	< 0.5	< 0.5	1.8	< 0.5	< 0.5
Al [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	78000	79000	70000	76000	75000
As [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	430	390	210	540	550
Ba [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	1600	1500	540	480	480
Be [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	1.7	1.7	1.3	1.4	1.3
Bi [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	0.30	0.39	0.28	0.30	0.18
Ca [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	25000	26000	9400	37000	35000
Cd [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	0.07	0.07	0.08	0.07	0.06
Co [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	26	20	22	24	22
Cr [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	88	64	80	80	92
Cu [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	56	44	51	84	80
Fe [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	38000	39000	37000	36000	35000
K [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	25000	25000	16000	21000	20000
Li [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	27	27	29	27	27
Mg [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	14000	14000	12000	8500	9100
Mn [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	480	500	340	540	560
Mo [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	1.4	1.4	1.3	1.8	1.3
Ni [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	110	74	76	74	62
P [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	800	720	380	520	490
Pb [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	46	64	17	16	15

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-1002MS Completed 21-ARDG-00146 0-Mv	6: TIR01D-1002MS Completed 21-ARDG-00146 1-Mv	7: TIR01D-1002MS Completed 21-ARDG-00146 2-Kwa-s	8: TIR01D-1002MS Completed 21-ARDG-00146 3-Ksc-wa	9: TIR01D-1002MS Completed 21-ARDG-00146 4-Ksc-wa
Sb [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	0.4	0.4	0.3	0.7	0.6
Sn [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	300	290	220	230	220
Ti [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	1600	1500	2600	1300	1200
Tl [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	1.3	1.2	0.46	1.1	1.1
U [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	1.7	1.7	1.6	1.8	1.6
V [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	86	88	90	100	110
Y [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	11	11	5.3	10	9.5
Zn [µg/g]	25-Nov-24	14:29	26-Nov-24	09:50	64	63	92	56	57

Bulk Metals Suite



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

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: EMS0285-NOV24													
Calcium	3	µg/g	<3			1		101			88		
Phosphorus	3	µg/g	<3			0		102			79		
Potassium	3	µg/g	<3			1		103			84		
Metals - Microwave/ICP-MS - QCBatchID: EMS0285-NOV24													
Aluminum	3	µg/g	<3			0	20	102	70	130	98	70	130
Antimony	0.8	µg/g	<0.8			3	20	105	70	130	104	70	130
Arsenic	0.5	µg/g	<0.5			10	20	106	70	130	102	70	130
Barium	0.01	µg/g	<0.01			2	20	99	70	130	102	70	130
Beryllium	0.02	µg/g	<0.02			4	20	91	70	130	104	70	130
Bismuth	0.09	µg/g	<0.09			3	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			5	20	100	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			2	20	102	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			6	20	106	70	130	99	70	130
Copper	0.1	µg/g	<0.1			1	20	101	70	130	103	70	130
Iron	3	µg/g	<3			1	20	104	70	130	94	70	130
Lead	0.05	µg/g	<0.05			4	20	98	70	130	108	70	130
Lithium	2	µg/g	<2			4	20	99	70	130	126	70	130
Magnesium	3	µg/g	<3			0	20	106	70	130	92	70	130
Manganese	0.1	µg/g	<0.1			1	20	104	70	130	101	70	130
Molybdenum	0.1	µg/g	<0.1			10	20	91	70	130	88	70	130
Nickel	0.1	µg/g	<0.1			1	20	104	70	130	109	70	130
Selenium	0.1	µg/g	<0.1			2	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	103	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	101	70	130	107	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			1	20	93	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			0	20	100	70	130	73	70	130
Uranium	0.002	µg/g	<0.002			1	20	96	70	130	102	70	130
Vanadium	1	µg/g	<1			0	20	104	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			3	20	101	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	107	70	130	105	70	130

25-November-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Date Rec. : 05 November 2024
LR Report: CA19023-NOV24
Reference: Meliadine - PO#1254179

Copy: #1

Phone: (819) 759-3555
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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: TIR01D-1002MS 21-ARDG-00146 0-Mv	6: TIR01D-1002MS 21-ARDG-00146 1-Mv	7: TIR01D-1002MS 21-ARDG-00146 2-Kwa-s	8: TIR01D-1002MS 21-ARDG-00146 3-Ksc-wa	9: TIR01D-1002MS 21-ARDG-00146 4-Ksc-wa	10: TIR01D-1002MS 21-ARDG-00146 4-Ksc-wa	11:BLK: D.I. Leachate Blank
Sample Date & Time					28-Oct-24	28-Oct-24	29-Oct-24	29-Oct-24	29-Oct-24		
Sample weight [g]	12-Nov-24	16:11	14-Nov-24	16:11	250	251	250	250	250	250	---
Volume D.I. Water [mL]	13-Nov-24	07:01	14-Nov-24	16:11	750	750	750	750	750	750	750
pH [no unit]	14-Nov-24	06:17	14-Nov-24	16:11	8.99	8.88	9.22	8.54	8.56	8.56	5.64
pH [No unit]	14-Nov-24	16:17	15-Nov-24	12:08	8.40	8.51	8.09	7.88	7.78	7.84	7.51
Conductivity [uS/cm]	14-Nov-24	16:17	15-Nov-24	12:08	363	506	216	493	480	480	15
Alkalinity [mg/L as CaCO3]	14-Nov-24	16:17	15-Nov-24	12:08	64	73	51	55	53	53	7
SO4 [mg/L]	14-Nov-24	14:54	15-Nov-24	12:03	21	19	25	130	120	130	< 2
Hg (diss) [mg/L]	18-Nov-24	07:37	19-Nov-24	11:08	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.499	0.446	0.621	0.226	0.233	0.238	0.002
As (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.0509	0.0461	0.0825	0.0090	0.0096	0.0095	< 0.0002
Ba (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.00747	0.0107	0.00205	0.00592	0.00561	0.00593	0.00013
B (diss) [mg/L]	2122819.715306	0.000281	19-Nov-24	11:08	0.020	0.021	0.013	0.058	0.058	0.057	< 0.002
Be (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	13.3	16.8	8.82	32.5	31.9	32.1	0.01
Cd (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.000005	0.000005	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003
Co (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.000119	0.000181	0.000053	0.000165	0.000091	0.000137	0.000006
Cr (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-1002MS 0-Mv	6: TIR01D-1002MS 1-Mv	7: TIR01D-1002MS 2-Kwa-s	8: TIR01D-1002MS 3-Ksc-wa	9: TIR01D-1002MS 4-Ksc-wa	10: TIR01D-1002MS 4-Ksc-wa	11:BLK: D.I. Leachate Blank
Cu (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	23.2	26.5	15.0	21.7	21.1	21.8	0.071
Li (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.0013	0.0014	0.0007	0.0037	0.0036	0.0034	< 0.0001
Mg (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	5.07	6.07	2.71	9.04	8.64	8.83	0.002
Mn (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.00263	0.00371	0.00149	0.0127	0.0131	0.0126	0.00009
Mo (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.0099	0.0105	0.0064	0.0080	0.0078	0.0083	< 0.0004
Na (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	16.6	17.8	16.3	26.6	26.0	26.6	< 0.01
Ni (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.0013	0.0016	0.0007	0.0026	0.0011	0.0017	< 0.0001
Pb (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.0044	0.0042	0.0065	0.0021	0.0020	0.0019	< 0.0009
Se (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	0.00044	0.00038	0.00036	0.00202	0.00194	0.00207	< 0.00004
Si (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	1.07	1.03	1.27	1.30	1.30	1.37	< 0.02
Sn (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:08	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:09	0.0794	0.114	0.0331	0.113	0.113	0.116	< 0.00008
Ti (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:09	0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:09	0.000048	0.000081	0.000006	0.000015	0.000016	0.000016	< 0.000005
U (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:09	0.000253	0.000266	0.000185	0.000863	0.000899	0.000935	< 0.000002
V (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:09	0.00064	0.00056	0.00146	0.00034	0.00038	0.00037	< 0.00001
W (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:09	0.0016	0.0019	0.0015	0.0022	0.0022	0.0022	< 0.0002
Y (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:09	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	15-Nov-24	12:36	19-Nov-24	11:09	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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

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: EWL0310-NOV24													
Alkalinity	2	mg/L as Ca	< 2			1	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8025-NOV24													
Sulphate	2	mg/L	<2			0	20	110	80	120	109	75	125
Conductivity - QCBatchID: EWL0310-NOV24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0039-NOV24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	110	80	120	74	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0178-NOV24													
Aluminum (dissolved)	0.001	mg/L	<0.001			2	20	95	90	110	107	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	100	90	110	112	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			5	20	101	90	110	107	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	94	90	110	96	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	102	90	110	100	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	71	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	110	90	110	100	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			11	20	101	90	110	100	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	103	90	110	97	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	99	90	110	93	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			0	20	97	90	110	96	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	97	90	110	94	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	107	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	94	90	110	96	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			4	20	106	90	110	101	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			6	20	102	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	99	90	110	104	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	104	90	110	95	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	102	90	110	88	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			13	20	100	90	110	97	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			7	20	94	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	103	90	110	73	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	101	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	92	90	110	100	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	97	90	110	97	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	100	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			2	20	105	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	110	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			10	20	95	90	110	99	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			2	20	96	90	110	99	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	102	90	110	109	70	130
pH - QCBatchID: EWL0310-NOV24													
pH	0.05	No unit	NA			0		100			NA		

17-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 21 November 2024
LR Report: CA19198-NOV24
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: TIR01C-10025 MS32-ARDG-0 01481-Kwa-s	6: TIR01C-10025 MS32-ARDG-0 01482-Kwa-s	7: TIR01C-10025 MS32-ARDG-0 01483-Kwa-s	8: TIR01C-10025 MS32-ARDG-0 01484-Kwa-s	9: TIR01C-10025 MS32-ARDG-0 01485-Kwa-s	10: TIR01C-10025 MS32-ARDG-0 01486-Kwa-s
Sample Date & Time					14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24
Paste pH [no unit]	09-Dec-24	16:52	11-Dec-24	10:33	9.08	9.06	9.08	8.90	9.08	9.04
Fizz Rate [rating]	09-Dec-24	13:16	11-Dec-24	10:33	3	3	3	3	3	3
Sample weight [g]	09-Dec-24	10:55	11-Dec-24	10:33	2.03	2.01	2.02	2.05	2.01	2.05
HCl_add [mL]	10-Dec-24	12:16	11-Dec-24	10:33	40.00	40.00	40.00	44.20	35.00	47.20
HCl [Normality]	09-Dec-24	13:31	11-Dec-24	10:33	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	09-Dec-24	13:31	11-Dec-24	10:33	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	10-Dec-24	13:58	11-Dec-24	10:33	23.40	21.71	18.73	23.33	16.19	24.96
Final pH [no unit]	10-Dec-24	13:00	11-Dec-24	10:33	1.55	1.63	1.81	1.62	1.88	1.61
NP [t CaCO3/1000 t]	10-Dec-24	14:28	11-Dec-24	10:33	40.9	45.5	52.6	50.9	46.8	54.3
AP [t CaCO3/1000 t]	13-Dec-24	09:31	13-Dec-24	09:31	4.38	4.16	3.22	6.00	3.59	3.88
Net NP [t CaCO3/1000 t]	13-Dec-24	09:31	13-Dec-24	09:31	36.5	41.3	49.4	44.9	43.2	50.4
NP/AP [ratio]	13-Dec-24	09:31	13-Dec-24	09:31	9.35	10.9	16.3	8.48	13.0	14.0
S [%]	11-Dec-24	15:38	13-Dec-24	09:31	0.195	0.232	0.171	0.274	0.230	0.269
Acid Leachable SO4-S [%]	13-Dec-24	09:31	13-Dec-24	09:31	0.06	0.10	0.07	0.08	0.12	0.14
Sulphide [%]	12-Dec-24	17:20	13-Dec-24	09:31	0.14	0.13	0.10	0.19	0.12	0.12

Online LIMS



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rick OP TIR01
Project : PO#1254179
LR Report : CA19198-NOV24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025 MS32-ARDG-0 01481-Kwa-s	6: TIR01C-10025 MS32-ARDG-0 01482-Kwa-s	7: TIR01C-10025 MS32-ARDG-0 01483-Kwa-s	8: TIR01C-10025 MS32-ARDG-0 01484-Kwa-s	9: TIR01C-10025 MS32-ARDG-0 01485-Kwa-s	10: TIR01C-10025 MS32-ARDG-0 01486-Kwa-s
C [%]	11-Dec-24	15:38	12-Dec-24	10:53	0.634	0.737	0.809	0.749	0.718	0.839
CO3 (HCl) as %CO3 [%]	12-Dec-24	10:03	12-Dec-24	10:53	2.60	3.09	3.58	3.43	3.15	3.68

Analysis	11: TIR01C-10025 MS32-ARDG-0 01487-Kwa-s
Sample Date & Time	14-Nov-24
Paste pH [no unit]	9.09
Fizz Rate [rating]	3
Sample weight [g]	2.01
HCl_add [mL]	46.30
HCl [Normality]	0.10
NaOH [Normality]	0.10
Vol NaOH to pH=8.3 [mL]	25.54
Final pH [no unit]	1.50
NP [t CaCO3/1000 t]	51.6
AP [t CaCO3/1000 t]	4.50
Net NP [t CaCO3/1000 t]	47.1
NP/AP [ratio]	11.5
S [%]	0.259
Acid Leachable SO4-S [%]	0.12
Sulphide [%]	0.14
C [%]	0.800
CO3 (HCl) as %CO3 [%]	3.46

ABA - Modified Sobek

$$\begin{aligned}
 & \text{*NP (Neutralization Potential)} \\
 & = \frac{50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})}{\text{Weight of Sample}}
 \end{aligned}$$



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mel
Works #: Waste Rick OP TIR01
Project : PO#1254179
LR Report : CA19198-NOV24

*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*Net NP (Net Neutralization Potential) = NP-AP

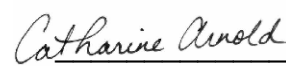
NP/AP Ratio = NP/AP

*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
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005



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

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: ECS0021-DEC24													
Carbon (total)	0.005	%	<0.005			12	20				100	70	13
Sulphur (total)	0.005	%	<0.005			18	20				102	70	13
Carbon/Sulphur - QCBatchID: ECS0040-DEC24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			3	20	96	80	120			
Carbon/Sulphur - QCBatchID: ECS0043-DEC24													
Sulphide	0.04	%	< 0.01			0	20	87	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

17-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 21 November 2024

LR Report: CA19199-NOV24

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: TIR01C-10025 MS32-ARDG-0 01481-Kwa-s	6: TIR01C-10025 MS32-ARDG-0 01482-Kwa-s	7: TIR01C-10025 MS32-ARDG-0 01483-Kwa-s
Sample Date & Time					14-Nov-24	14-Nov-24	14-Nov-24
Ag [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	77000	79000	77000
As [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	410	380	290
Ba [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	760	780	550
Be [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	1.3	1.3	1.2
Bi [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	0.27	0.24	0.50
Ca [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	9900	11000	13000
Cd [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	0.10	0.12	0.14
Co [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	24	22	21
Cr [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	110	110	110
Cu [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	46	52	43
Fe [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	41000	42000	38000
K [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	21000	22000	20000
Li [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	39	38	33
Mg [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	16000	16000	14000
Mn [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	340	360	380
Mo [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	2.1	2.6	2.0
Ni [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	81	77	71
P [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	500	470	470
Pb [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	18	17	21
Sb [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	< 0.8	< 0.8	< 0.8
Se [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	0.3	0.3	0.3
Sn [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	< 6	< 6	< 6
Sr [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	290	310	320
Ti [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	900	1000	1300

Online LIMS

0003963355

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025 MS32-ARDG-0 01481-Kwa-s	6: TIR01C-10025 MS32-ARDG-0 01482-Kwa-s	7: TIR01C-10025 MS32-ARDG-0 01483-Kwa-s
Tl [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	0.59	0.60	0.53
U [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	1.7	1.7	1.5
V [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	100	110	90
Y [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	6.5	6.9	6.2
Zn [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	95	98	83

Analysis	8: TIR01C-10025 MS32-ARDG-0 01484-Kwa-s	9: TIR01C-10025 MS32-ARDG-0 01485-Kwa-s	10: TIR01C-10025 MS32-ARDG-0 01486-Kwa-s	11: TIR01C-10025 MS32-ARDG-0 01487-Kwa-s
Sample Date & Time	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	72000	68000	66000	47000
As [µg/g]	44	240	250	220
Ba [µg/g]	700	680	830	770
Be [µg/g]	1.1	1.2	1.3	1.3
Bi [µg/g]	0.17	0.26	0.41	0.39
Ca [µg/g]	14000	12000	12000	9600
Cd [µg/g]	0.10	0.11	0.12	0.12
Co [µg/g]	18	18	21	21
Cr [µg/g]	94	120	130	100
Cu [µg/g]	47	50	50	50
Fe [µg/g]	34000	34000	40000	38000
K [µg/g]	18000	18000	19000	19000
Li [µg/g]	29	30	37	36
Mg [µg/g]	12000	12000	15000	14000
Mn [µg/g]	340	330	360	300
Mo [µg/g]	2.6	2.1	3.5	2.4
Ni [µg/g]	61	63	73	74
P [µg/g]	440	410	450	450
Pb [µg/g]	11	15	57	47
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]	340	320	330	270
Ti [µg/g]	1900	1400	1100	1100
Tl [µg/g]	0.50	0.49	0.56	0.54
U [µg/g]	1.8	1.6	1.9	1.6
V [µg/g]	75	78	100	94
Y [µg/g]	6.7	5.8	5.3	3.6
Zn [µg/g]	74	72	87	87

Bulk Metals Suite



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
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mel

Works #: Waste Rock OP TIR01

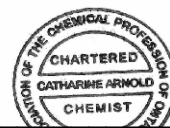
Project : PO#1254179

LR Report : CA19199-NOV24

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013

Catharine Arnold



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

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: EMS0064-DEC24													
Calcium	3	µg/g	<3			6		105			91		
Phosphorus	3	µg/g	<3			8		103			84		
Potassium	3	µg/g	<3			6		106			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0064-DEC24													
Aluminum	3	µg/g	<3			6	20	107	70	130	91	70	130
Antimony	0.8	µg/g	<0.8			ND	20	107	70	130	107	70	130
Arsenic	0.5	µg/g	<0.5			8	20	104	70	130	109	70	130
Barium	0.01	µg/g	<0.01			4	20	100	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			7	20	93	70	130	82	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	106	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			9	20	104	70	130	40	70	130
Cobalt	0.01	µg/g	<0.01			5	20	102	70	130	88	70	130
Copper	0.1	µg/g	<0.1			5	20	106	70	130	99	70	130
Iron	3	µg/g	<3			7	20	104	70	130	96	70	130
Lead	0.05	µg/g	<0.05			5	20	100	70	130	105	70	130
Lithium	2	µg/g	<2			8	20	95	70	130	98	70	130
Magnesium	3	µg/g	<3			6	20	109	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			5	20	104	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	100	70	130	97	70	130
Nickel	0.1	µg/g	<0.1			1	20	105	70	130	103	70	130
Selenium	0.1	µg/g	<0.1			19	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			6	20	105	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	95	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			7	20	95	70	130	96	70	130
Vanadium	1	µg/g	<1			7	20	103	70	130	89	70	130
Yttrium	0.004	µg/g	<0.004			5	20	100	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	106	70	130	99	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

17-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 21 November 2024
 LR Report: CA19201-NOV24
 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: TIR01D-10025 MS22-ARDG-0 01488-Kwa-s	6: TIR01D-10025 MS22-ARDG-0 01489-Kwa-s	7: TIR01D-10025 MS22-ARDG-0 01490-Kwa-s
Sample Date & Time					17-Nov-24	17-Nov-24	17-Nov-24
Paste pH [no unit]	09-Dec-24	16:52	11-Dec-24	10:33	8.96	9.14	9.02
Fizz Rate [rating]	09-Dec-24	13:16	11-Dec-24	10:33	3	3	3
Sample weight [g]	09-Dec-24	10:55	11-Dec-24	10:33	2.04	2.00	2.00
HCl_add [mL]	10-Dec-24	12:16	11-Dec-24	10:33	33.70	32.20	45.40
HCl [Normality]	09-Dec-24	13:31	11-Dec-24	10:33	0.10	0.10	0.10
NaOH [Normality]	09-Dec-24	13:31	11-Dec-24	10:33	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	10-Dec-24	13:58	11-Dec-24	10:33	17.02	15.37	21.64
Final pH [no unit]	10-Dec-24	13:00	11-Dec-24	10:33	1.60	1.77	1.64
NP [t CaCO3/1000 t]	10-Dec-24	14:28	11-Dec-24	10:33	40.9	42.1	59.4
AP [t CaCO3/1000 t]	10-Dec-24	14:28	11-Dec-24	10:33	3.66	3.56	3.41
Net NP [t CaCO3/1000 t]	10-Dec-24	14:28	11-Dec-24	10:33	37.2	38.5	56.0
NP/AP [ratio]	10-Dec-24	14:28	11-Dec-24	10:33	11.2	11.8	17.4
S [%]	04-Dec-24	15:32	09-Dec-24	11:48	0.220	0.221	0.200
Acid Leachable SO4-S [%]	09-Dec-24	06:05	09-Dec-24	11:48	0.10	0.11	0.09
Sulphide [%]	09-Dec-24	06:02	09-Dec-24	11:48	0.12	0.11	0.11
C [%]	04-Dec-24	15:32	09-Dec-24	11:48	0.627	0.657	0.928
CO3 (HCl) as %CO3 [%]	09-Dec-24	06:07	09-Dec-24	11:48	2.63	2.96	4.13

Analysis	8: TIR01D-10025 MS22-ARDG-0 01491-Kwa-s
Sample Date & Time	17-Nov-24
Paste pH [no unit]	9.01
Fizz Rate [rating]	3
Sample weight [g]	2.05
HCl_add [mL]	49.50

Analysis	8: TIR01D-10025 MS22-ARDG-0 01491-Kwa-s
HCl [Normality]	0.10
NaOH [Normality]	0.10
Vol NaOH to pH=8.3 [mL]	25.05
Final pH [no unit]	1.58
NP [t CaCO3/1000 t]	59.6
AP [t CaCO3/1000 t]	4.00
Net NP [t CaCO3/1000 t]	55.6
NP/AP [ratio]	14.9
S [%]	0.212
Acid Leachable SO4-S [%]	0.08
Sulphide [%]	0.13
C [%]	0.945
CO3 (HCl) as %CO3 [%]	4.23

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

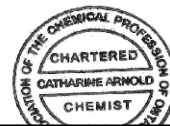
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold

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



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: ECS0008-DEC24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			ND	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0013-DEC24													
Carbon (total)	0.005	%	<0.005			9	20				99	70 13	
Sulphur (total)	0.005	%	<0.005			1	20				105	70 13	
Carbon/Sulphur - QCBatchID: ECS0020-DEC24													
Sulphide	0.04	%	< 0.01			6	20	100	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

23-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 15 November 2024

LR Report: CA19098-NOV24

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: TIR01D-10025M S23-ARDG-0014 73-Ksc-wa	6: TIR01D-10025M S23-ARDG-0014 74-Ksc-wa	7: TIR01D-10025M S23-ARDG-0014 75-Ksc-wa	8: TIR01D-10025M S23-ARDG-0014 76-Ksc-wa
Sample Date & Time					08-Nov-24	08-Nov-24	08-Nov-24	08-Nov-24
Paste pH [no unit]	20-Nov-24	13:20	22-Nov-24	15:28	8.88	8.89	9.00	8.95
Fizz Rate [rating]	20-Nov-24	08:01	22-Nov-24	15:28	4	4	4	4
Sample weight [g]	20-Nov-24	07:24	22-Nov-24	15:28	2.02	2.00	2.01	2.01
HCl_add [mL]	21-Nov-24	08:32	22-Nov-24	15:28	55.10	60.00	56.90	140.10
HCl [Normality]	20-Nov-24	09:40	22-Nov-24	15:28	0.10	0.10	0.10	0.10
NaOH [Normality]	20-Nov-24	09:40	22-Nov-24	15:28	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Nov-24	12:26	22-Nov-24	15:28	30.51	33.56	24.82	49.52
Final pH [no unit]	21-Nov-24	10:20	22-Nov-24	15:28	1.65	1.60	1.76	1.83
NP [t CaCO3/1000 t]	21-Nov-24	12:26	22-Nov-24	15:28	60.9	66.1	79.8	225
AP [t CaCO3/1000 t]	05-Dec-24	09:05	05-Dec-24	09:05	6.84	5.47	5.28	6.69
Net NP [t CaCO3/1000 t]	05-Dec-24	09:05	05-Dec-24	09:05	54.1	60.6	74.5	219
NP/AP [ratio]	05-Dec-24	09:05	05-Dec-24	09:05	8.90	12.1	15.1	33.7
S [%]	02-Dec-24	17:04	05-Dec-24	09:05	0.311	0.270	0.300	0.312
Acid Leachable SO4-S [%]	05-Dec-24	08:25	05-Dec-24	09:05	0.09	0.10	0.13	0.10
Sulphide [%]	05-Dec-24	08:20	05-Dec-24	09:05	0.22	0.18	0.17	0.21
C [%]	02-Dec-24	17:04	04-Dec-24	09:45	0.865	0.946	1.20	3.78
CO3 (HCl) as %CO3 [%]	04-Dec-24	09:17	04-Dec-24	09:45	4.01	4.41	5.55	18.3

Analysis	9: TIR01D-10025M S23-ARDG-0014 77-Kwa-s	10: TIR01D-10025M S23-ARDG-0014 78-Kwa-s	11: TIR01D-10025M S23-ARDG-0014 79-Kwa-s	12: TIR01D-10025M S23-ARDG-0014 80-Kwa-s
Sample Date & Time	11-Nov-24	11-Nov-24	11-Nov-24	11-Nov-24
Paste pH [no unit]	8.96	9.15	8.97	8.97
Fizz Rate [rating]	3	3	3	3
Sample weight [g]	2.02	2.02	2.01	2.00
HCl_add [mL]	40.00	45.00	55.00	55.00
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]	22.09	24.61	27.58	28.05

SGS Canada Inc.

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mel
Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19098-NOV24

Analysis	9: TIR01D-10025M S23-ARDG-0014 77-Kwa-s	10: TIR01D-10025M S23-ARDG-0014 78-Kwa-s	11: TIR01D-10025M S23-ARDG-0014 79-Kwa-s	12: TIR01D-10025M S23-ARDG-0014 80-Kwa-s
Final pH [no unit]	1.60	1.62	1.73	1.69
NP [t CaCO ₃ /1000 t]	44.3	50.5	68.2	67.4
AP [t CaCO ₃ /1000 t]	4.50	5.97	11.7	12.2
Net NP [t CaCO ₃ /1000 t]	39.8	44.5	56.5	55.2
NP/AP [ratio]	9.84	8.46	5.82	5.52
S [%]	0.237	0.354	0.603	0.593
Acid Leachable SO ₄ -S [%]	0.09	0.16	0.23	0.20
Sulphide [%]	0.14	0.19	0.38	0.39
C [%]	0.668	0.761	1.17	1.17
CO ₃ (HCl) as %CO ₃ [%]	2.85	3.32	5.13	5.12

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

04-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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

Date Rec. : 15 November 2024

LR Report: CA19099-NOV24

Reference: Meliadine - PO#1254179

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CERTIFICATE OF ANALYSIS

Final Report

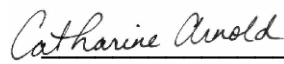
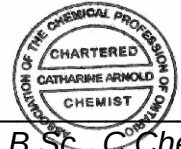
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-10025M S23-ARDG-0014 73-Ksc-wa	6: TIR01D-10025M S23-ARDG-0014 74-Ksc-wa	7: TIR01D-10025M S23-ARDG-0014 75-Ksc-wa	8: TIR01D-10025M S23-ARDG-0014 76-Ksc-wa	9: TIR01D-10025M S23-ARDG-0014 77-Kwa-s
Sample Date & Time					08-Nov-24	08-Nov-24	08-Nov-24	08-Nov-24	11-Nov-24
Ag [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	69000	66000	84000	68000	65000
As [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	380	280	490	90	93
Ba [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	570	540	580	100	790
Be [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	1.3	1.3	1.2	0.52	1.5
Bi [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.17	0.17	0.12	< 0.09	0.14
Ca [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	18000	20000	27000	80000	13000
Cd [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.04	0.05	0.04	0.09	0.07
Co [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	22	21	26	42	19
Cr [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	110	110	130	150	130
Cu [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	40	43	46	110	51
Fe [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	71000	69000	63000	71000	45000
K [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	19000	18000	25000	6800	22000
Li [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	54	51	47	66	42
Mg [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	15000	15000	15000	27000	12000
Mn [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	410	440	470	1400	260
Mo [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	1.7	2.0	6.5	0.6	1.5
Ni [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	74	71	79	110	75
P [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	630	590	600	220	520
Pb [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	6	6	6	14	14
Sb [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.3	0.3	0.3	0.4	0.2
Sn [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	110	110	160	320	280
Ti [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	2200	2100	3100	1500	3600
Tl [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	0.71	0.67	0.90	0.27	0.56
U [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	1.6	1.5	1.8	0.1	1.8
V [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	110	100	130	210	120
Y [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	8.1	8.0	9.2	6.7	5.8
Zn [µg/g]	27-Nov-24	18:25	28-Nov-24	12:21	75	71	84	75	73

Analysis	10:	11:	12:
	TIR01D-10025M	TIR01D-10025M	TIR01D-10025M
	S23-ARDG-0014	S23-ARDG-0014	S23-ARDG-0014
	78-Kwa-s	79-Kwa-s	80-Kwa-s
Sample Date & Time	11-Nov-24	11-Nov-24	11-Nov-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	61000	62000	60000
As [µg/g]	51	1400	1800
Ba [µg/g]	720	890	890
Be [µg/g]	1.3	1.5	1.5
Bi [µg/g]	0.24	0.27	0.26
Ca [µg/g]	12000	16000	16000
Cd [µg/g]	0.09	0.16	0.17
Co [µg/g]	24	21	21
Cr [µg/g]	130	130	120
Cu [µg/g]	70	57	55
Fe [µg/g]	44000	46000	45000
K [µg/g]	21000	23000	22000
Li [µg/g]	43	35	35
Mg [µg/g]	14000	13000	12000
Mn [µg/g]	360	420	410
Mo [µg/g]	2.0	4.5	4.2
Ni [µg/g]	83	66	66
P [µg/g]	480	560	560
Pb [µg/g]	8	26	27
Sb [µg/g]	< 0.8	0.8	0.9
Se [µg/g]	0.3	0.4	0.4
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	250	330	320
Ti [µg/g]	3600	3200	3200
Tl [µg/g]	0.51	0.64	0.65
U [µg/g]	1.7	1.3	1.3
V [µg/g]	120	97	96
Y [µg/g]	5.1	4.9	4.9
Zn [µg/g]	81	83	83

Bulk Metals Suite

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013



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

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: EMS0315-NOV24													
Calcium	3	µg/g	<3			3		102			95		
Phosphorus	3	µg/g	<3			0		100			91		
Potassium	3	µg/g	<3			3		103			94		
Metals - Microwave/ICP-MS - QCBatchID: EMS0315-NOV24													
Aluminum	3	µg/g	<3			4	20	105	70	130	97	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	110	70	130
Arsenic	0.5	µg/g	<0.5			1	20	105	70	130	96	70	130
Barium	0.01	µg/g	<0.01			1	20	106	70	130	107	70	130
Beryllium	0.02	µg/g	<0.02			1	20	102	70	130	87	70	130
Bismuth	0.09	µg/g	<0.09			3	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			20	20	104	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	104	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			2	20	104	70	130	93	70	130
Copper	0.1	µg/g	<0.1			3	20	106	70	130	102	70	130
Iron	3	µg/g	<3			4	20	98	70	130	95	70	130
Lead	0.05	µg/g	<0.05			10	20	103	70	130	106	70	130
Lithium	2	µg/g	<2			2	20	108	70	130	109	70	130
Magnesium	3	µg/g	<3			3	20	104	70	130	96	70	130
Manganese	0.1	µg/g	<0.1			3	20	107	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	96	70	130	97	70	130
Nickel	0.1	µg/g	<0.1			3	20	108	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			3	20	108	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	108	70	130	104	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	99	70	130	87	70	130
Uranium	0.002	µg/g	<0.002			2	20	99	70	130	94	70	130
Vanadium	1	µg/g	<1			5	20	106	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			0	20	106	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	106	70	130	100	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

17-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 21 November 2024

LR Report: CA19200-NOV24

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: TIR01C-10025 MS32-ARDG-0 01481-Kwa-s	6: TIR01C-10025 MS32-ARDG-0 01482-Kwa-s	7: TIR01C-10025 MS32-ARDG-0 01483-Kwa-s
Sample Date & Time					14-Nov-24	14-Nov-24	14-Nov-24
Sample weight [g]	05-Dec-24	07:02	06-Dec-24	12:31	249	250	250
Volume D.I. Water [mL]	05-Dec-24	07:25	06-Dec-24	12:31	750	750	750
pH [no unit]	06-Dec-24	06:17	06-Dec-24	12:31	9.16	9.11	9.39
pH [No unit]	06-Dec-24	13:01	09-Dec-24	15:18	8.79	8.24	8.60
Conductivity [uS/cm]	06-Dec-24	13:01	09-Dec-24	15:18	192	199	178
Alkalinity [mg/L as CaCO3]	06-Dec-24	13:01	09-Dec-24	15:18	63	60	64
SO4 [mg/L]	06-Dec-24	17:37	10-Dec-24	15:46	9	14	4
Hg (diss) [mg/L]	10-Dec-24	16:58	11-Dec-24	13:33	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:58	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:58	0.480	0.703	0.806
As (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:58	0.125	0.113	0.105
Ba (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:58	0.00237	0.00208	0.00201
B (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:58	0.034	0.010	0.010
Be (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:58	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:58	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:58	6.13	7.32	6.68
Cd (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:58	0.000006	0.000006	0.000007
Co (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.000028	0.000066	0.000016
Cr (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.009	< 0.007	< 0.007
K (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	19.2	21.9	21.0
Li (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.0010	0.0009	0.0008
Mg (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	2.00	2.56	2.15
Mn (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.00041	0.00086	0.00060
Mo (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.0076	0.0075	0.0067
Na (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	21.8	17.1	17.1
Ni (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.0002	0.0001	< 0.0001

Online LIMS

0003963360

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025 MS32-ARDG-0 01481-Kwa-s	6: TIR01C-10025 MS32-ARDG-0 01482-Kwa-s	7: TIR01C-10025 MS32-ARDG-0 01483-Kwa-s
Pb (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.0058	0.0060	0.0069
Se (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.00026	0.00031	0.00024
Si (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	1.71	1.60	1.65
Sn (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.0265	0.0339	0.0343
Ti (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.0004	0.0003	0.0002
Tl (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.000006	0.000013	0.000008
U (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.000152	0.000159	0.000229
V (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.00282	0.00241	0.00294
W (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.00207	0.00233	0.00224
Y (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	0.00003	< 0.00002	< 0.00002
Zn (diss) [mg/L]	09-Dec-24	10:13	10-Dec-24	10:59	< 0.002	< 0.002	< 0.002

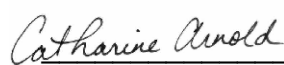
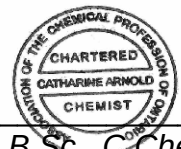
Analysis	8: TIR01C-10025 MS32-ARDG-0 01484-Kwa-s	9: TIR01C-10025 MS32-ARDG-0 01485-Kwa-s	10: TIR01C-10025 MS32-ARDG-0 01486-Kwa-s	11: TIR01C-10025 MS32-ARDG-0 01487-Kwa-s
Sample Date & Time	14-Nov-24	14-Nov-24	14-Nov-24	14-Nov-24
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.03	9.22	9.27	9.40
pH [No unit]	7.80	8.26	8.27	8.45
Conductivity [uS/cm]	316	199	186	196
Alkalinity [mg/L as CaCO3]	48	56	59	59
SO4 [mg/L]	61	14	15	16
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]	0.423	0.691	0.674	0.663
As (diss) [mg/L]	0.0433	0.188	0.110	0.116
Ba (diss) [mg/L]	0.00480	0.00237	0.00278	0.00242
B (diss) [mg/L]	0.017	0.009	0.009	0.009
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]	14.6	8.64	8.39	7.76
Cd (diss) [mg/L]	0.000012	0.000010	0.000005	0.000007
Co (diss) [mg/L]	0.000347	0.000035	0.000158	0.000073
Cr (diss) [mg/L]	< 0.00008	0.00009	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	21.5	19.8	19.4	19.4
Li (diss) [mg/L]	0.0012	0.0011	0.0009	0.0009
Mg (diss) [mg/L]	5.99	2.93	2.73	2.74

Analysis	8:	9:	10:	11:
	TIR01C-10025	TIR01C-10025	TIR01C-10025	TIR01C-10025
	MS32-ARDG-0	MS32-ARDG-0	MS32-ARDG-0	MS32-ARDG-0
	01484-Kwa-s	01485-Kwa-s	01486-Kwa-s	01487-Kwa-s
Mn (diss) [mg/L]	0.00368	0.00098	0.00211	0.00074
Mo (diss) [mg/L]	0.0165	0.0094	0.0084	0.0085
Na (diss) [mg/L]	30.9	16.9	16.9	17.5
Ni (diss) [mg/L]	0.0003	0.0002	0.0001	0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0047	0.0067	0.0068	0.0070
Se (diss) [mg/L]	0.00214	0.00036	0.00036	0.00034
Si (diss) [mg/L]	1.74	1.68	1.63	1.65
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0700	0.0380	0.0384	0.0377
Ti (diss) [mg/L]	0.0001	0.0002	0.0001	< 0.0001
Tl (diss) [mg/L]	0.000029	0.000011	0.000012	0.000009
U (diss) [mg/L]	0.000488	0.000214	0.000241	0.000219
V (diss) [mg/L]	0.00096	0.00280	0.00240	0.00243
W (diss) [mg/L]	0.00231	0.00343	0.00187	0.00193
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006



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

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: EWL0131-DEC24													
Alkalinity	2	mg/L as Ca	< 2			ND	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8007-DEC24													
Sulphate	2	mg/L	<2			ND	20	106	80	120	106	75	125
Anions by discrete analyzer - QCBatchID: DIO8009-DEC24													
Sulphate	2	mg/L	<2			3	20	110	80	120	106	75	125
Conductivity - QCBatchID: EWL0131-DEC24													
Conductivity	2	uS/cm	< 2			2	20	96	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0012-DEC24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	109	80	120	106	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0083-DEC24													
Aluminum (dissolved)	0.001	mg/L	<0.001			2	20	99	90	110	100	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	110	90	110	110	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			0	20	103	90	110	100	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	98	90	110	100	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	101	90	110	101	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	106	70	130
Boron (dissolved)	0.002	mg/L	<0.002			0	20	99	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	102	90	110	101	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			9	20	99	90	110	101	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			3	20	103	90	110	110	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			7	20	101	90	110	100	70	130
Copper (dissolved)	0.001	mg/L	<0.001			2	20	101	90	110	81	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	102	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	101	90	110	103	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	105	90	110	98	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	99	90	110	101	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	102	90	110	102	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	99	90	110	102	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			1	20	101	90	110	94	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	100	90	110	94	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	100	90	110	105	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	101	90	110	93	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			3	20	104	90	110	105	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			5	20	101	90	110	99	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			11	20	98	90	110	99	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	96	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	99	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	102	90	110	113	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			13	20	102	90	110	101	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	102	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			7	20	102	90	110	113	70	130
pH - QCBatchID: EWL0131-DEC24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

04-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Date Rec. : 15 November 2024

LR Report: CA19100-NOV24

Reference: Meliadine - PO#1254179

Meliadine
, Nunavut
X0C 0A0, Canada

Copy: #1

Phone: (819) 759-3555

Fax:(819) 759-3663

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-10025M S23-ARDG-0014 73-Ksc-wa	6: TIR01D-10025M S23-ARDG-0014 74-Ksc-wa	7: TIR01D-10025M S23-ARDG-0014 75-Ksc-wa	8: TIR01D-10025M S23-ARDG-0014 76-Ksc-wa
Sample Date & Time					08-Nov-24	08-Nov-24	08-Nov-24	08-Nov-24
Sample weight [g]	19-Nov-24	06:22	20-Nov-24	08:55	250	249	251	251
Volume D.I. Water [mL]	19-Nov-24	06:36	20-Nov-24	08:55	750	750	750	750
pH [no unit]	20-Nov-24	06:10	20-Nov-24	08:55	8.63	8.69	8.82	8.70
pH [No unit]	20-Nov-24	13:18	21-Nov-24	12:16	8.04	8.01	8.13	8.23
Conductivity [uS/cm]	20-Nov-24	13:18	21-Nov-24	12:16	253	231	213	264
Alkalinity [mg/L as CaCO3]	20-Nov-24	13:18	21-Nov-24	12:16	59	57	65	94
SO4 [mg/L]	21-Nov-24	09:17	22-Nov-24	15:55	34	20	7	16
Hg (diss) [mg/L]	21-Nov-24	13:12	22-Nov-24	08:34	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.00005	< 0.00005	< 0.00005	0.00006
Al (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.476	0.628	0.680	0.400
As (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.0176	0.0180	0.0467	0.0073
Ba (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.00236	0.00218	0.00170	0.00302
B (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.023	0.022	0.020	0.017
Be (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	13.4	10.8	9.10	11.1
Cd (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.000004	< 0.000003	< 0.000003	0.000006
Co (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.000024	0.000018	0.000018	0.000054
Cr (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	19.6	17.6	20.8	6.30
Li (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.0010	0.0009	0.0009	0.0020
Mg (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	3.76	2.74	2.72	8.20
Mn (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.00154	0.00097	0.00105	0.00289
Mo (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.0086	0.0099	0.0073	0.0137
Na (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	16.4	18.5	15.0	27.7
Ni (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.0035	0.0025	0.0065	0.0022
Se (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.00030	0.00023	0.00010	0.00036
Si (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	1.14	1.05	1.15	1.17
Sn (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.0397	0.0347	0.0285	0.0379
Ti (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.0001	< 0.0001	< 0.0001	< 0.0001

Online LIMS

0003949411

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - KOL 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19100-NOV24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-10025M S23-ARDG-0014 73-Ksc-wa	6: TIR01D-10025M S23-ARDG-0014 74-Ksc-wa	7: TIR01D-10025M S23-ARDG-0014 75-Ksc-wa	8: TIR01D-10025M S23-ARDG-0014 76-Ksc-wa
TI (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.000011	0.000011	0.000012	< 0.000005
U (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.000146	0.000087	0.000070	0.000009
V (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.00034	0.00042	0.00078	0.00048
W (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	0.00181	0.00143	0.00138	0.00097
Y (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	21-Nov-24	12:19	22-Nov-24	08:34	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: TIR01D-10025M 23-ARDG-001477 -Kwa-s	10: TIR01D-10025M 23-ARDG-00147823 -Kwa-s	11: TIR01D-10025M 23-ARDG-00147923 -Kwa-s	12: TIR01D-10025M 23-ARDG-00148023 -Kwa-s	13: TIR01D-10025M SD.I. Leachate Blank	14:BLK:
Sample Date & Time	11-Nov-24	11-Nov-24	11-Nov-24	11-Nov-24		
Sample weight [g]	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	8.74	9.05	9.02	8.87	8.90	5.62
pH [No unit]	8.47	8.04	8.01	8.16	8.17	7.11
Conductivity [uS/cm]	347	219	274	269	273	< 2
Alkalinity [mg/L as CaCO3]	67	58	75	74	76	2
SO4 [mg/L]	10	26	14	14	14	< 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]	0.503	0.643	0.540	0.536	0.542	< 0.001
As (diss) [mg/L]	0.0235	0.0332	0.104	0.0978	0.105	< 0.0002
Ba (diss) [mg/L]	0.00392	0.00257	0.00355	0.00338	0.00338	< 0.00008
B (diss) [mg/L]	0.014	0.013	0.017	0.017	0.017	< 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]	12.1	10.2	12.7	12.7	12.2	< 0.01
Cd (diss) [mg/L]	0.000003	0.000004	< 0.000003	0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	0.000052	0.000027	0.000030	0.000033	0.000031	0.000019
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	25.2	20.2	23.7	22.8	23.4	0.075
Li (diss) [mg/L]	0.0011	0.0011	0.0015	0.0015	0.0014	< 0.0001
Mg (diss) [mg/L]	3.26	3.09	4.34	4.27	4.25	0.001
Mn (diss) [mg/L]	0.00106	0.00115	0.00148	0.00151	0.00149	0.00007
Mo (diss) [mg/L]	0.0068	0.0076	0.0091	0.0087	0.0080	< 0.0004
Na (diss) [mg/L]	18.6	15.1	19.2	18.5	19.0	< 0.01
Ni (diss) [mg/L]	0.0012	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	0.00011	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0117	0.0105	0.0102	0.0097	0.0100	< 0.0009
Se (diss) [mg/L]	0.00023	0.00059	0.00020	0.00014	0.00020	< 0.00004
Si (diss) [mg/L]	1.31	1.36	1.38	1.38	1.40	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0682	0.0443	0.0592	0.0569	0.0575	< 0.00008
Ti (diss) [mg/L]	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
TI (diss) [mg/L]	0.000025	0.000013	0.000006	0.000007	0.000005	< 0.000005
U (diss) [mg/L]	0.000085	0.000125	0.000186	0.000177	0.000198	< 0.000002
V (diss) [mg/L]	0.00083	0.00126	0.00083	0.00078	0.00083	< 0.00001
W (diss) [mg/L]	0.00182	0.00176	0.00243	0.00226	0.00228	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19100-NOV24

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

Catharine Arnold

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

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: EWL0425-NOV24													
Alkalinity	2	mg/L as Ca	< 2			1	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8036-NOV24													
Sulphate	2	mg/L	<2			ND	20	104	80	120	100	75	125
Anions by discrete analyzer - QCBatchID: DIO8037-NOV24													
Sulphate	2	mg/L	<2			0	20	102	80	120	102	75	125
Conductivity - QCBatchID: EWL0425-NOV24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0055-NOV24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	115	80	120	114	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0248-NOV24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	105	90	110	100	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			2	20	105	90	110	106	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			1	20	101	90	110	94	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			0	20	102	90	110	90	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	97	90	110	91	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	100	90	110	87	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	100	90	110	95	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	101	90	110	102	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	100	90	110	95	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	97	90	110	88	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			10	20	96	90	110	89	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	94	90	110	92	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	100	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			3	20	102	90	110	93	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	101	90	110	83	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	101	90	110	92	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	96	90	110	92	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	100	90	110	92	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	87	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	98	90	110	88	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			11	20	101	90	110	89	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			1	20	96	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	97	90	110	95	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			0	20	104	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			3	20	94	90	110	88	70	130

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
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	102	90	110	96	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	98	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			4	20	102	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			1	20	105	90	110	97	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			2	20	95	90	110	90	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	98	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	98	90	110	98	70	130
pH - QCBatchID: EWL0425-NOV24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1254179

17-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Date Rec. : 21 November 2024

LR Report: CA19202-NOV24

Reference: Meliadine - PO#1254179

Copy: #1

Phone: (819) 759-3555

Fax:(819) 759-3663

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-10025M S22-ARDG-0014 88-Kwa-s	6: TIR01D-10025M S22-ARDG-0014 89-Kwa-s	7: TIR01D-10025M S22-ARDG-0014 90-Kwa-s	8: TIR01D-10025M S22-ARDG-0014 91-Kwa-s
Sample Date & Time					17-Nov-24	17-Nov-24	17-Nov-24	17-Nov-24
Ag [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	47000	57000	63000	66000
As [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	72	69	1600	1900
Ba [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	750	810	530	540
Be [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	1.3	1.3	1.5	1.5
Bi [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	0.27	0.29	0.57	0.27
Ca [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	9100	9900	13000	14000
Cd [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	0.09	0.16	0.14	0.13
Co [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	23	19	18	20
Cr [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	92	86	120	120
Cu [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	51	46	43	43
Fe [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	40000	37000	34000	34000
K [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	19000	18000	18000	18000
Li [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	41	38	30	30
Mg [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	14000	13000	12000	13000
Mn [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	300	320	350	370
Mo [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	2.8	2.2	7.9	6.9
Ni [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	75	68	67	68
P [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	460	440	350	370
Pb [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	78	86	90	40
Sb [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	< 0.8	< 0.8	1.3	1.1
Se [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	0.3	0.3	0.3	0.3
Sn [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	< 6	< 6	< 6	< 6
Sr [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	250	290	280	290
Ti [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	1300	1200	2100	2200
Tl [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	0.54	0.49	0.49	0.50
U [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	1.1	1.6	1.3	1.5
V [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	92	89	82	85
Y [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	3.2	4.2	4.7	5.1
Zn [µg/g]	06-Dec-24	11:25	09-Dec-24	09:39	94	84	72	71

Bulk Metals Suite

**SGS Canada Inc.**

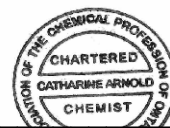
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Works #: Waste Rock OP TIR01**Project :** PO#1254179**LR Report :** CA19202-NOV24

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013



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

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: EMS0064-DEC24													
Calcium	3	µg/g	<3			6		105			91		
Phosphorus	3	µg/g	<3			8		103			84		
Potassium	3	µg/g	<3			6		106			93		
Metals - Microwave/ICP-MS - QCBatchID: EMS0064-DEC24													
Aluminum	3	µg/g	<3			6	20	107	70	130	91	70	130
Antimony	0.8	µg/g	<0.8			ND	20	107	70	130	107	70	130
Arsenic	0.5	µg/g	<0.5			8	20	104	70	130	109	70	130
Barium	0.01	µg/g	<0.01			4	20	100	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			7	20	93	70	130	82	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	106	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			9	20	104	70	130	40	70	130
Cobalt	0.01	µg/g	<0.01			5	20	102	70	130	88	70	130
Copper	0.1	µg/g	<0.1			5	20	106	70	130	99	70	130
Iron	3	µg/g	<3			7	20	104	70	130	96	70	130
Lead	0.05	µg/g	<0.05			5	20	100	70	130	105	70	130
Lithium	2	µg/g	<2			8	20	95	70	130	98	70	130
Magnesium	3	µg/g	<3			6	20	109	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			5	20	104	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	100	70	130	97	70	130
Nickel	0.1	µg/g	<0.1			1	20	105	70	130	103	70	130
Selenium	0.1	µg/g	<0.1			19	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			6	20	105	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	95	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			7	20	95	70	130	96	70	130
Vanadium	1	µg/g	<1			7	20	103	70	130	89	70	130
Yttrium	0.004	µg/g	<0.004			5	20	100	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	106	70	130	99	70	130

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

18-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 27 November 2024

LR Report: CA19243-NOV24

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: TIR01D-10025MS 25-ARDG-0014925 -Kwa-s	6: TIR01D-10025MS 25-ARDG-00149325 -Kwa-s	7: TIR01D-10025MS 25-ARDG-00149425 -Kwa-s	8: TIR01D-10025MS 25-ARDG-001495 -Kwa-s
Sample Date & Time					18-Nov-24	18-Nov-24	18-Nov-24	18-Nov-24
Paste pH [no unit]	13-Dec-24	14:25	16-Dec-24	09:59	8.86	8.92	8.99	8.89
Fizz Rate [rating]	13-Dec-24	10:25	16-Dec-24	09:59	4	4	3	4
Sample weight [g]	12-Dec-24	10:26	16-Dec-24	09:59	2.00	1.99	2.05	2.04
HCl_add [mL]	14-Dec-24	09:16	16-Dec-24	09:59	59.20	61.60	56.20	53.50
HCl [Normality]	13-Dec-24	10:26	16-Dec-24	09:59	0.10	0.10	0.10	0.10
NaOH [Normality]	13-Dec-24	10:26	16-Dec-24	09:59	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14-Dec-24	10:56	16-Dec-24	09:59	27.02	28.24	29.46	28.92
Final pH [no unit]	14-Dec-24	10:29	16-Dec-24	09:59	1.69	1.69	1.65	1.64
NP [t CaCO3/1000 t]	14-Dec-24	15:14	16-Dec-24	09:59	80.4	83.8	65.2	60.3
AP [t CaCO3/1000 t]	16-Dec-24	09:58	16-Dec-24	09:59	3.38	3.38	5.00	4.38
Net NP [t CaCO3/1000 t]	16-Dec-24	09:58	16-Dec-24	09:59	77.0	80.4	60.2	55.9
NP/AP [ratio]	16-Dec-24	09:58	16-Dec-24	09:59	23.8	24.8	13.0	13.8
S [%]	12-Dec-24	12:37	13-Dec-24	11:16	0.186	0.169	0.239	0.219
Acid Leachable SO4-S [%]	13-Dec-24	11:16	13-Dec-24	11:16	0.08	0.06	0.08	0.08
Sulphide [%]	13-Dec-24	08:45	13-Dec-24	11:16	0.11	0.11	0.16	0.14
C [%]	12-Dec-24	12:37	13-Dec-24	11:16	1.19	1.22	0.946	0.906
CO3 (HCl) as %CO3 [%]	16-Dec-24	06:39	16-Dec-24	09:41	5.52	5.65	4.31	3.98

Analysis	9: TIR01D-10025MS 25-ARDG-00149625 -Kwa-s	10: TIR01D-10025MS 25-ARDG-00149725 -Kwa-s	11: TIR01D-10025MS 25-ARDG-00149825 -Kwa-s	12: TIR01D-10025MS 25-ARDG-001499 -Kwa-s
Sample Date & Time	20-Nov-24	20-Nov-24	20-Nov-24	20-Nov-24
Paste pH [no unit]	8.97	9.01	9.05	9.04
Fizz Rate [rating]	3	4	4	4
Sample weight [g]	2.01	2.02	2.00	2.01
HCl_add [mL]	32.60	40.00	45.00	45.20
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]	22.29	21.42	24.22	25.09
Final pH [no unit]	1.57	1.62	1.64	1.62
NP [t CaCO3/1000 t]	25.6	46.0	52.0	50.0
AP [t CaCO3/1000 t]	3.03	2.75	5.09	4.75
Net NP [t CaCO3/1000 t]	22.6	43.2	46.9	45.2

Analysis	9:	10:	11:	12:
	TIR01D-10025MSTIR01D-10025MSTIR01D-10025MSTIR01D-10025MS			
	25-ARDG-00149625-ARDG-00149725-ARDG-00149825-ARDG-001499			
	-Kwa-s	-Kwa-s	-Kwa-s	-Kwa-s
NP/AP [ratio]	8.45	16.7	10.2	10.5
S [%]	0.155	0.138	0.263	0.258
Acid Leachable SO ₄ -S [%]	0.06	0.05	0.10	0.11
Sulphide [%]	0.10	0.09	0.16	0.15
C [%]	0.354	0.465	0.791	0.775
CO ₃ (HCl) as %CO ₃ [%]	1.36	1.75	3.56	3.49

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold

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

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: ECS0037-DEC24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0042-DEC24													
Carbon (total)	0.005	%	<0.005			6	20				99	70 130	
Sulphur (total)	0.005	%	<0.005			1	20				103	70 130	
Carbon/Sulphur - QCBatchID: ECS0046-DEC24													
Sulphide	0.04	%	< 0.01			10	20	99	80	120			

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19242-NOV24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025MS 34-ARDG-00150034-ARDG-00150134-ARDG-00150234-ARDG-001503	6: TIR01C-10025MS 34-ARDG-00150134-ARDG-00150234-ARDG-001503	7: TIR01C-10025MS 34-ARDG-00150234-ARDG-001503	8: TIR01C-10025MS 34-ARDG-001503
					-Kwa-s	-Kwa-s	-Kwa-s	-Kwa-s
TI (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.000008	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.000178	0.000084	0.000092	0.000064
V (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.00168	0.00202	0.00229	0.00185
W (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.0030	0.0018	0.0019	0.0013
Y (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	< 0.00002	0.00005	0.00004	0.00003
Zn (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: TIR01C-10025MS 34-ARDG-00150434-ARDG-00150534-ARDG-00150634-ARDG-001507	10: TIR01C-10025MS 34-ARDG-00150534-ARDG-00150634-ARDG-001507	11: TIR01C-10025MS 34-ARDG-00150634-ARDG-001507	12: TIR01C-10025MS 34-ARDG-001507
	-Kwa-s	-Kwa-s	-Kwa-s	-Kwa-s
Sample Date & Time	24-Nov-24	24-Nov-24	24-Nov-24	24-Nov-24
Sample weight [g]	249	250	249	249
Volume D.I. Water [mL]	750	750	750	750
pH [no unit]	9.19	9.33	9.17	9.11
pH [No unit]	8.59	8.74	8.48	8.27
Conductivity [uS/cm]	221	204	248	261
Alkalinity [mg/L as CaCO3]	73	75	63	61
SO4 [mg/L]	18	6	22	23
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]	0.409	0.426	0.321	0.327
As (diss) [mg/L]	0.104	0.105	0.0448	0.0428
Ba (diss) [mg/L]	0.00276	0.00230	0.00242	0.00287
B (diss) [mg/L]	0.045	0.054	0.051	0.051
Be (diss) [mg/L]	0.000014	0.000045	0.000008	< 0.000007
Bi (diss) [mg/L]	< 0.00001	0.00002	< 0.00001	< 0.00001
Ca (diss) [mg/L]	7.99	6.89	8.69	9.15
Cd (diss) [mg/L]	< 0.000003	< 0.000003	0.000008	< 0.000003
Co (diss) [mg/L]	0.000026	0.000026	0.000060	0.000018
Cr (diss) [mg/L]	0.00010	0.00013	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.012	0.015	0.010	0.007
K (diss) [mg/L]	22.1	19.2	19.1	20.4
Li (diss) [mg/L]	0.0011	0.0011	0.0010	0.0011
Mg (diss) [mg/L]	2.66	2.11	2.76	3.05
Mn (diss) [mg/L]	0.00032	0.00044	0.00058	0.00056
Mo (diss) [mg/L]	0.0035	0.0074	0.0107	0.0068
Na (diss) [mg/L]	19.1	19.8	22.7	24.4
Ni (diss) [mg/L]	0.0003	0.0003	0.0004	0.0003
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0070	0.0070	0.0062	0.0063
Se (diss) [mg/L]	0.00017	0.00017	0.00026	0.00021
Si (diss) [mg/L]	1.64	1.82	1.69	1.74
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0369	0.0305	0.0402	0.0436
Ti (diss) [mg/L]	0.0004	0.0007	0.0003	0.0003
TI (diss) [mg/L]	0.000005	0.000032	0.000006	< 0.000005
U (diss) [mg/L]	0.000141	0.000228	0.000111	0.000109
V (diss) [mg/L]	0.00236	0.00276	0.00172	0.00168
W (diss) [mg/L]	0.0023	0.0023	0.0110	0.0103
Y (diss) [mg/L]	0.00003	0.00003	0.00004	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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

Page 2 of 5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at <https://www.sgs.ca/en/terms-and-conditions> (Printed copies are available upon request.)
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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.

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Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19242-NOV24

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

Catharine Arnold

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

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: EWL0166-DEC24													
Alkalinity	2	mg/L as Ca	< 2			3	20	111	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8010-DEC24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	104	75	
Conductivity - QCBatchID: EWL0166-DEC24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0014-DEC24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	98	80	120	102	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0096-DEC24													
Aluminum (dissolved)	0.001	mg/L	<0.001			6	20	104	90	110	113	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			3	20	103	90	110	103	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	101	90	110	76	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	100	90	110	82	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	106	90	110	97	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	83	70	
Boron (dissolved)	0.002	mg/L	<0.002			0	20	107	90	110	95	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	102	90	110	94	70	
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	100	90	110	101	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			16	20	103	90	110	119	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	101	90	110	90	70	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	103	90	110	98	70	
Iron (dissolved)	0.007	mg/L	<0.007			1	20	104	90	110	100	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			5	20	103	90	110	95	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	98	90	110	94	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	103	90	110	99	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	103	90	110	103	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	101	90	110	94	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			3	20	102	90	110	86	70	
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	106	90	110	100	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			8	20	105	90	110	96	70	
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	98	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	100	90	110	80	70	
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	104	90	110	87	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	102	90	110	99	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	102	90	110	95	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	103	90	110	NV	70	

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)	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	105	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			9	20	103	90	110	95	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	103	90	110	94	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			0	20	99	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	110	70	130
pH - QCBatchID: EWL0166-DEC24													
pH	0.05	No unit	NA			0		100			NA		

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: EWL0107-DEC24													
Alkalinity	2	mg/L as Ca	< 2			1	20	100	80	120	NA		
Alkalinity - QCBatchID: EWL0114-DEC24													
Alkalinity	2	mg/L as Ca	< 2			3	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8007-DEC24													
Sulphate	2	mg/L	<2			ND	20	106	80	120	106	75 125	
Conductivity - QCBatchID: EWL0107-DEC24													
Conductivity	2	uS/cm	2			1	20	107	90	110	NA		
Conductivity - QCBatchID: EWL0114-DEC24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0010-DEC24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	117	80	120	123	70 130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0066-DEC24													
Aluminum (dissolved)	0.001	mg/L	<0.001			1	20	100	90	110	104	70 130	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	117	70 130	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			8	20	96	90	110	96	70 130	
Barium (dissolved)	0.00008	mg/L	<0.00008			12	20	102	90	110	94	70 130	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	100	90	110	94	70 130	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	98	90	110	88	70 130	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	100	90	110	101	70 130	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	99	90	110	100	70 130	
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	100	90	110	71	70 130	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	101	90	110	105	70 130	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			8	20	95	90	110	91	70 130	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	99	90	110	102	70 130	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	103	90	110	75	70 130	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	99	90	110	92	70 130	
Lithium (dissolved)	0.0001	mg/L	<0.0001			3	20	103	90	110	93	70 130	
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	100	90	110	96	70 130	
Manganese (dissolved)	0.00001	mg/L	<0.00001			4	20	102	90	110	103	70 130	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	100	90	110	88	70 130	
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	99	90	110	96	70 130	
Potassium (dissolved)	0.009	mg/L	<0.009			2	20	99	90	110	82	70 130	
Selenium (dissolved)	0.00004	mg/L	<0.00004			8	20	99	90	110	113	70 130	
Silicon (dissolved)	0.02	mg/L	<0.02			4	20	98	90	110	NV	70 130	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	98	90	110	NV	70 130	

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
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	101	90	110	90	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	100	90	110	89	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	98	90	110	97	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	97	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	102	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	106	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	97	90	110	88	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	96	90	110	97	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	113	70	130
pH - QCBatchID: EWL0107-DEC24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0114-DEC24													
pH	0.05	No unit	NA			1		100			NA		

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1254179

18-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Date Rec. : 27 November 2024

LR Report: CA19245-NOV24

Reference: Meliadine - PO#1254179

Meliadine
 , Nunavut
 X0C 0A0, Canada

Copy: #1

Phone: (819) 759-3555

Fax:(819) 759-3663

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-10025M S25-ARDG-0014 92-Kwa-s	6: TIR01D-10025M S25-ARDG-0014 93-Kwa-s	7: TIR01D-10025M S25-ARDG-0014 94-Kwa-s	8: TIR01D-10025M S25-ARDG-0014 95-Kwa-s
Sample Date & Time					18-Nov-24	18-Nov-24	18-Nov-24	18-Nov-24
Sample weight [g]	05-Dec-24	14:04	09-Dec-24	11:30	249	250	250	250
Volume D.I. Water [mL]	06-Dec-24	08:54	09-Dec-24	11:30	750	750	750	750
pH [no unit]	07-Dec-24	10:06	09-Dec-24	11:30	9.12	9.05	9.05	8.94
pH [No unit]	09-Dec-24	16:10	13-Dec-24	15:36	7.84	8.03	7.91	8.25
Conductivity [uS/cm]	09-Dec-24	16:10	13-Dec-24	15:36	305	334	289	284
Alkalinity [mg/L as CaCO3]	09-Dec-24	16:10	13-Dec-24	15:36	62	66	67	71
SO4 [mg/L]	07-Dec-24	13:36	10-Dec-24	15:49	31	32	25	15
Hg (diss) [mg/L]	10-Dec-24	16:58	12-Dec-24	09:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.295	0.302	0.328	0.281
As (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.175	0.191	0.245	0.0761
Ba (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.00320	0.00317	0.00290	0.00355
B (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.054	0.052	0.051	0.061
Be (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.000016	0.000025	0.000035	0.000007
Bi (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	< 0.00001	0.00002	0.00002	< 0.00001
Ca (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	9.84	10.1	9.74	10.3
Cd (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.000010	0.000008	0.000009	0.000013
Co (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.000065	0.000068	0.000095	0.000029
Cr (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.004	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.015	0.019	0.020	0.017
K (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	21.9	24.3	21.0	20.5
Li (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.0009	0.0010	0.0010	0.0014
Mg (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	3.54	3.86	3.60	3.55
Mn (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.00045	0.00080	0.00105	0.00071
Mo (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.0070	0.0071	0.0158	0.0245
Na (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	29.0	30.2	24.4	28.3
Ni (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.0006	0.0005	0.0006	0.0003
Pb (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.00078	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.0028	0.0034	0.0071	0.0042
Se (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.00054	0.00060	0.00043	0.00027
Si (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	1.79	1.79	1.72	1.64
Sn (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:59	0.0290	0.0309	0.0283	0.0370
Ti (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:58	0.0013	0.0014	0.0010	0.0009

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01**Project :** PO#1254179**LR Report :** CA19245-NOV24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-10025M S25-ARDG-0014 92-Kwa-s	6: TIR01D-10025M S25-ARDG-0014 93-Kwa-s	7: TIR01D-10025M S25-ARDG-0014 94-Kwa-s	8: TIR01D-10025M S25-ARDG-0014 95-Kwa-s
TI (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:58	0.000009	0.000025	0.000021	< 0.000005
U (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:58	0.000234	0.000288	0.000197	0.000100
V (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:58	0.00187	0.00187	0.00204	0.00094
W (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:58	0.0028	0.0034	0.0044	0.0049
Y (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:58	0.00003	0.00003	< 0.00002	0.00002
Zn (diss) [mg/L]	10-Dec-24	16:39	11-Dec-24	12:58	0.004	< 0.002	< 0.002	< 0.002

Analysis	9: TIR01D-10025M S25-ARDG-0014 96-Kwa-s	10: TIR01D-10025M S25-ARDG-0014 97-Kwa-s	11: TIR01D-10025M S25-ARDG-0014 98-Kwa-s	12: TIR01D-10025M S25-ARDG-0014 99-Kwa-s	13: TIR01D-10025M S25-ARDG-0014 95-Kwa-s	14:BLK: D.I. Leachate Blank
Sample Date & Time	20-Nov-24	20-Nov-24	20-Nov-24	20-Nov-24		
Sample weight [g]	251	249	249	249	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	9.15	9.18	9.10	9.08	8.98	5.71
pH [No unit]	8.20	8.45	8.39	8.20	8.32	6.27
Conductivity [uS/cm]	246	264	298	297	283	< 2
Alkalinity [mg/L as CaCO3]	56	60	67	67	72	< 2
SO4 [mg/L]	9	25	23	23	15	< 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]	0.442	0.405	0.311	0.315	0.281	< 0.001
As (diss) [mg/L]	0.168	0.212	0.129	0.133	0.0773	< 0.0002
Ba (diss) [mg/L]	0.00295	0.00347	0.00396	0.00380	0.00356	< 0.00008
B (diss) [mg/L]	0.046	0.048	0.043	0.044	0.061	< 0.002
Be (diss) [mg/L]	0.000011	0.000014	< 0.000007	0.000010	0.000007	0.000008
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	7.27	7.78	10.9	11.1	10.3	0.07
Cd (diss) [mg/L]	0.000003	0.000009	0.000007	0.000008	0.000010	0.000039
Co (diss) [mg/L]	0.000048	0.000064	0.000035	0.000046	0.000033	0.000028
Cr (diss) [mg/L]	0.00016	0.00017	0.00010	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.029	0.032	0.008	0.009	0.017	0.044
K (diss) [mg/L]	19.4	22.5	18.8	19.2	20.9	0.048
Li (diss) [mg/L]	0.0008	0.0008	0.0015	0.0015	0.0013	< 0.0001
Mg (diss) [mg/L]	1.58	2.17	4.18	4.21	3.56	0.045
Mn (diss) [mg/L]	0.00042	0.00048	0.00073	0.00075	0.00067	0.00010
Mo (diss) [mg/L]	0.0124	0.0211	0.0157	0.0159	0.0248	< 0.0004
Na (diss) [mg/L]	24.6	27.1	28.7	29.0	28.4	0.05
Ni (diss) [mg/L]	0.0005	0.0005	0.0005	0.0006	0.0003	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0063	0.0087	0.0073	0.0073	0.0042	< 0.0009
Se (diss) [mg/L]	0.00015	0.00023	0.00058	0.00052	0.00023	< 0.00004
Si (diss) [mg/L]	1.64	1.91	1.82	1.85	1.63	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0318	0.0383	0.0549	0.0548	0.0374	0.00010
Ti (diss) [mg/L]	0.0022	0.0016	0.0004	0.0006	0.0007	< 0.0001
TI (diss) [mg/L]	< 0.000005	0.000005	0.000005	0.000008	0.000005	< 0.000005
U (diss) [mg/L]	0.000088	0.000121	0.000276	0.000252	0.000104	< 0.000002
V (diss) [mg/L]	0.00217	0.00265	0.00164	0.00170	0.00098	0.00004
W (diss) [mg/L]	0.0012	0.0017	0.0027	0.0027	0.0050	< 0.0002
Y (diss) [mg/L]	0.00004	0.00004	< 0.00002	< 0.00002	< 0.00002	0.00004
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

Page 2 of 5

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at <https://www.sgs.ca/en/terms-and-conditions> (Printed copies are available upon request.)

Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

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.

**SGS Canada Inc.**

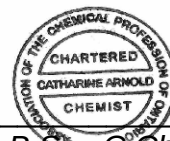
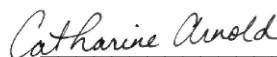
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Works #: Waste Rock OP TIR01**Project :** PO#1254179**LR Report :** CA19245-NOV24

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006



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

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: EWL0160-DEC24													
Alkalinity	2	mg/L as Ca	< 2			0	20	94	80	120	NA		
Alkalinity - QCBatchID: EWL0166-DEC24													
Alkalinity	2	mg/L as Ca	< 2			3	20	111	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8010-DEC24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	104	75 125	
Conductivity - QCBatchID: EWL0160-DEC24													
Conductivity	2	uS/cm	2			0	20	94	90	110	NA		
Conductivity - QCBatchID: EWL0166-DEC24													
Conductivity	2	uS/cm	< 2			0	20	100	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0014-DEC24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	98	80	120	102	70 130	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0096-DEC24													
Aluminum (dissolved)	0.001	mg/L	<0.001			6	20	104	90	110	113	70 130	
Antimony (dissolved)	0.0009	mg/L	<0.0009			3	20	103	90	110	103	70 130	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			2	20	101	90	110	76	70 130	
Barium (dissolved)	0.00008	mg/L	<0.00008			1	20	100	90	110	82	70 130	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	106	90	110	97	70 130	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	103	90	110	83	70 130	
Boron (dissolved)	0.002	mg/L	<0.002			0	20	107	90	110	95	70 130	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	102	90	110	94	70 130	
Calcium (dissolved)	0.01	mg/L	<0.01			1	20	100	90	110	101	70 130	
Chromium (dissolved)	0.00008	mg/L	<0.00008			16	20	103	90	110	119	70 130	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			3	20	101	90	110	90	70 130	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	103	90	110	98	70 130	
Iron (dissolved)	0.007	mg/L	<0.007			1	20	104	90	110	100	70 130	
Lead (dissolved)	0.00009	mg/L	<0.00009			5	20	103	90	110	95	70 130	
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	98	90	110	94	70 130	
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	103	90	110	99	70 130	
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	103	90	110	103	70 130	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	101	90	110	94	70 130	
Nickel (dissolved)	0.0001	mg/L	<0.0001			3	20	102	90	110	86	70 130	
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	106	90	110	100	70 130	
Selenium (dissolved)	0.00004	mg/L	<0.00004			8	20	105	90	110	96	70 130	
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	98	90	110	NV	70 130	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	100	90	110	80	70 130	

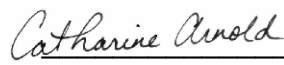
Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
									Low	High		Low	High
Sodium (dissolved)	0.01	mg/L	<0.01			2	20	104	90	110	87	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	102	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	102	90	110	95	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	103	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			ND	20	101	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	105	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			9	20	103	90	110	95	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	103	90	110	94	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			0	20	99	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	110	70	130
pH - QCBatchID: EWL0160-DEC24													
pH	0.05	No unit	NA			1		99			NA		
pH - QCBatchID: EWL0166-DEC24													
pH	0.05	No unit	NA			0		100			NA		
pH - QCBatchID: EWL0195-DEC24													
pH	0.05	No unit	NA			0		100			NA		

Analysis	9: TIR01C-10025MSTIR01C-10025MSTIR01C-10025MS 34-ARDG-00150434-ARDG-00150534-ARDG-00150634-ARDG-001507 -Kwa-s	10: TIR01C-10025MSTIR01C-10025MSTIR01C-10025MS 34-ARDG-00150434-ARDG-00150534-ARDG-00150634-ARDG-001507 -Kwa-s	11: TIR01C-10025MSTIR01C-10025MSTIR01C-10025MS 34-ARDG-00150434-ARDG-00150534-ARDG-00150634-ARDG-001507 -Kwa-s	12: TIR01C-10025MSTIR01C-10025MSTIR01C-10025MS 34-ARDG-00150434-ARDG-00150534-ARDG-00150634-ARDG-001507 -Kwa-s
Sample Date & Time	24-Nov-24	24-Nov-24	24-Nov-24	24-Nov-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	56000	57000	61000	57000
As [µg/g]	420	360	63	64
Ba [µg/g]	620	650	540	530
Be [µg/g]	1.3	1.2	1.1	1.1
Bi [µg/g]	0.26	0.19	0.14	0.15
Ca [µg/g]	9000	9300	11000	10000
Cd [µg/g]	0.12	0.13	0.13	0.12
Co [µg/g]	20	18	19	18
Cr [µg/g]	120	93	98	100
Cu [µg/g]	47	42	41	43
Fe [µg/g]	36000	32000	31000	31000
K [µg/g]	20000	17000	16000	16000
Li [µg/g]	40	32	35	34
Mg [µg/g]	15000	13000	13000	13000
Mn [µg/g]	310	270	300	290
Mo [µg/g]	1.8	2.6	1.6	2.0
Ni [µg/g]	71	62	63	63
P [µg/g]	460	400	430	420
Pb [µg/g]	16	13	10	10
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.2	0.1	0.1
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	220	250	260	240
Ti [µg/g]	900	1100	710	740
Tl [µg/g]	0.55	0.50	0.46	0.45
U [µg/g]	1.8	1.3	1.4	1.3
V [µg/g]	110	81	89	91
Y [µg/g]	4.0	4.1	4.3	3.7
Zn [µg/g]	82	76	77	77

Bulk Metals Suite

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013



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Project Specialist,
Environment, Health & Safety

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: EMS0105-DEC24													
Calcium	3	µg/g	<3			2		104			94		
Phosphorus	3	µg/g	<3			6		100			88		
Potassium	3	µg/g	<3			1		99			84		
Metals - Microwave/ICP-MS - QCBatchID: EMS0105-DEC24													
Aluminum	3	µg/g	<3			3	20	102	70	130	90	70	130
Antimony	0.8	µg/g	<0.8			ND	20	108	70	130	120	70	130
Arsenic	0.5	µg/g	<0.5			0	20	103	70	130	84	70	130
Barium	0.01	µg/g	<0.01			3	20	101	70	130	95	70	130
Beryllium	0.02	µg/g	<0.02			5	20	103	70	130	82	70	130
Bismuth	0.09	µg/g	<0.09			13	20	102	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			14	20	102	70	130	32	70	130
Cobalt	0.01	µg/g	<0.01			3	20	100	70	130	78	70	130
Copper	0.1	µg/g	<0.1			1	20	101	70	130	86	70	130
Iron	3	µg/g	<3			0	20	100	70	130	82	70	130
Lead	0.05	µg/g	<0.05			1	20	100	70	130	100	70	130
Lithium	2	µg/g	<2			0	20	102	70	130	92	70	130
Magnesium	3	µg/g	<3			2	20	105	70	130	90	70	130
Manganese	0.1	µg/g	<0.1			0	20	102	70	130	89	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	105	70	130	95	70	130
Nickel	0.1	µg/g	<0.1			3	20	101	70	130	91	70	130
Selenium	0.1	µg/g	<0.1			3	20	100	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	97	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	103	70	130	89	70	130
Thallium	0.02	µg/g	< 0.02			0	20	101	70	130	NV	70	130
Tin	6	µg/g	<6			5	20	95	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	98	70	130	76	70	130
Uranium	0.002	µg/g	<0.002			4	20	102	70	130	89	70	130
Vanadium	1	µg/g	<1			2	20	102	70	130	80	70	130
Yttrium	0.004	µg/g	<0.004			15	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	98	70	130	85	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 27 November 2024

LR Report: CA19240-NOV24

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 TIR01C-10025M Completed S34-ARDG-0015 Time	5: TIR01C-10025M S34-ARDG-0015 00-Kwa-s	6: TIR01C-10025M S34-ARDG-0015 01-Kwa-s	7: TIR01C-10025M S34-ARDG-0015 02-Kwa-s
Sample Date & Time					21-Nov-24	21-Nov-24	21-Nov-24
Paste pH [no unit]	13-Dec-24	14:25	16-Dec-24	09:43	9.14	9.11	9.12
Fizz Rate [rating]	13-Dec-24	10:25	16-Dec-24	09:43	4	3	3
Sample weight [g]	16-Dec-24	12:04	16-Dec-24	09:43	2.00	2.02	2.01
HCl_add [mL]	17-Dec-24	13:45	16-Dec-24	09:43	44.60	35.40	35.20
HCl [Normality]	16-Dec-24	15:00	16-Dec-24	09:43	0.10	0.10	0.10
NaOH [Normality]	16-Dec-24	15:06	16-Dec-24	09:43	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Dec-24	15:17	16-Dec-24	09:43	25.81	21.02	20.79
Final pH [no unit]	17-Dec-24	15:03	16-Dec-24	09:43	1.59	1.57	1.73
NP [t CaCO3/1000 t]	17-Dec-24	15:28	16-Dec-24	09:43	47.0	35.6	35.8
AP [t CaCO3/1000 t]	16-Dec-24	09:43	16-Dec-24	09:43	7.75	4.12	4.41
Net NP [t CaCO3/1000 t]	16-Dec-24	09:43	16-Dec-24	09:43	39.2	31.5	31.4
NP/AP [ratio]	16-Dec-24	09:43	16-Dec-24	09:43	6.06	8.63	8.12
S [%]	12-Dec-24	12:37	13-Dec-24	11:16	0.325	0.215	0.206
Acid Leachable SO4-S [%]	13-Dec-24	11:16	13-Dec-24	11:16	0.08	0.08	0.06
Sulphide [%]	13-Dec-24	08:45	13-Dec-24	11:16	0.25	0.13	0.14
C [%]	12-Dec-24	12:37	13-Dec-24	11:16	0.683	0.505	0.501
CO3 (HCl) as %CO3 [%]	16-Dec-24	06:39	16-Dec-24	09:41	3.06	2.13	2.09

Analysis	8: TIR01C-10025M S34-ARDG-0015 03-Kwa-s	9: TIR01C-10025M S34-ARDG-0015 04-Kwa-s	10: TIR01C-10025M S34-ARDG-0015 05-Kwa-s	11: TIR01C-10025M S34-ARDG-0015 06-Kwa-s	12: TIR01C-10025M S34-ARDG-0015 07-Kwa-s
Sample Date & Time	21-Nov-24	24-Nov-24	24-Nov-24	24-Nov-24	24-Nov-24
Paste pH [no unit]	9.13	9.13	9.18	9.10	9.08
Fizz Rate [rating]	3	3	3	3	3
Sample weight [g]	2.00	2.01	2.02	2.04	2.03
HCl_add [mL]	34.20	43.50	38.90	37.80	35.40
HCl [Normality]	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10

Analysis	8: TIR01C-10025M S34-ARDG-0015 03-Kwa-s	9: TIR01C-10025M S34-ARDG-0015 04-Kwa-s	10: TIR01C-10025M S34-ARDG-0015 05-Kwa-s	11: TIR01C-10025M S34-ARDG-0015 06-Kwa-s	12: TIR01C-10025M S34-ARDG-0015 07-Kwa-s
Vol NaOH to pH=8.3 [mL]	19.50	25.27	21.43	20.47	18.86
Final pH [no unit]	1.69	1.62	1.72	1.71	1.73
NP [t CaCO ₃ /1000 t]	36.7	45.4	43.2	42.5	40.7
AP [t CaCO ₃ /1000 t]	3.84	3.22	3.91	4.16	4.34
Net NP [t CaCO ₃ /1000 t]	32.9	42.2	39.3	38.3	36.4
NP/AP [ratio]	9.55	14.1	11.1	10.2	9.37
S [%]	0.193	0.168	0.197	0.216	0.220
Acid Leachable SO ₄ -S [%]	0.07	0.06	0.07	0.08	0.08
Sulphide [%]	0.12	0.10	0.12	0.13	0.14
C [%]	0.539	0.704	0.659	0.634	0.626
CO ₃ (HCl) as %CO ₃ [%]	2.26	2.94	2.87	2.53	2.54

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

*Net NP (Net Neutralization Potential) = NP-AP

NP/AP Ratio = NP/AP

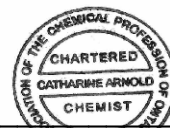
*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material

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
		MEND PROJECT 1.16.1B
	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
	NA	MEND PROJECT 1.16.1B
	NA	Sample weight
	NA	SM 4500
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 Prediction Manual 2009

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



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: ECS0037-DEC24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0042-DEC24													
Carbon (total)	0.005	%	<0.005			6	20				99	70 130	
Sulphur (total)	0.005	%	<0.005			1	20				103	70 130	
Carbon/Sulphur - QCBatchID: ECS0046-DEC24													
Sulphide	0.04	%	< 0.01			10	20	99	80	120			

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: EMS0125-DEC24													
Calcium	3	µg/g	<3			2		95			89		
Phosphorus	3	µg/g	<3			2		91			82		
Potassium	3	µg/g	<3			2		91			79		
Metals - Microwave/ICP-MS - QCBatchID: EMS0125-DEC24													
Aluminum	3	µg/g	<3			2	20	97	70	130	90	70	130
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130	115	70	130
Arsenic	0.5	µg/g	<0.5			1	20	97	70	130	82	70	130
Barium	0.01	µg/g	<0.01			1	20	94	70	130	96	70	130
Beryllium	0.02	µg/g	<0.02			2	20	100	70	130	74	70	130
Bismuth	0.09	µg/g	<0.09			6	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			9	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	97	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			5	20	94	70	130	74	70	130
Copper	0.1	µg/g	<0.1			2	20	99	70	130	84	70	130
Iron	3	µg/g	<3			0	20	96	70	130	80	70	130
Lead	0.05	µg/g	<0.05			1	20	96	70	130	94	70	130
Lithium	2	µg/g	<2			5	20	99	70	130	85	70	130
Magnesium	3	µg/g	<3			0	20	100	70	130	83	70	130
Manganese	0.1	µg/g	<0.1			1	20	96	70	130	86	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	94	70	130	90	70	130
Nickel	0.1	µg/g	<0.1			1	20	97	70	130	87	70	130
Selenium	0.1	µg/g	<0.1			5	20	96	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	98	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			4	20	94	70	130	86	70	130
Thallium	0.02	µg/g	<0.02			0	20	97	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	94	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			8	20	95	70	130	72	70	130
Uranium	0.002	µg/g	<0.002			1	20	99	70	130	85	70	130
Vanadium	1	µg/g	<1			8	20	98	70	130	79	70	130
Yttrium	0.004	µg/g	<0.004			4	20	100	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	96	70	130	81	70	130

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1254179

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
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Phone: (819) 759-3555

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Date Rec. : 03 December 2024

LR Report: CA19304-DEC24

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: TIR01D-10025 MS27-ARDG-0 01508-Kwa-s	6: TIR01D-10025 MS27-ARDG-0 01509-Kwa-s	7: TIR01D-10025 MS27-ARDG-0 01510-Mv
Sample Date & Time					24-Nov-24	24-Nov-24	25-Nov-24
Paste pH [no unit]	13-Dec-24	14:25	16-Dec-24	09:42	8.71	8.81	8.95
Fizz Rate [rating]	13-Dec-24	10:25	16-Dec-24	09:42	4	4	4
Sample weight [g]	12-Dec-24	10:26	16-Dec-24	09:42	2.03	2.04	2.00
HCl_add [mL]	14-Dec-24	09:16	16-Dec-24	09:42	53.50	56.20	130.10
HCl [Normality]	13-Dec-24	10:26	16-Dec-24	09:42	0.10	0.10	0.10
NaOH [Normality]	13-Dec-24	10:26	16-Dec-24	09:42	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14-Dec-24	10:56	16-Dec-24	09:42	25.82	25.90	44.31
Final pH [no unit]	14-Dec-24	10:29	16-Dec-24	09:42	1.62	1.63	1.59
NP [t CaCO3/1000 t]	14-Dec-24	15:14	16-Dec-24	09:42	68.2	74.3	214
AP [t CaCO3/1000 t]	17-Dec-24	09:29	17-Dec-24	09:29	5.09	3.62	2.25
Net NP [t CaCO3/1000 t]	17-Dec-24	09:29	17-Dec-24	09:29	63.1	70.7	212
NP/AP [ratio]	17-Dec-24	09:29	17-Dec-24	09:29	13.4	20.5	95.3
S [%]	16-Dec-24	09:19	17-Dec-24	09:29	0.288	0.238	0.114
Acid Leachable SO4-S [%]	17-Dec-24	06:00	17-Dec-24	09:29	0.12	0.12	0.04
Sulphide [%]	17-Dec-24	05:56	17-Dec-24	09:29	0.16	0.12	0.07
C [%]	16-Dec-24	09:19	17-Dec-24	09:29	1.09	1.11	2.79
CO3 (HCl) as %CO3 [%]	17-Dec-24	07:07	17-Dec-24	09:29	5.10	5.17	13.6

Analysis	8: TIR01D-10025 MS27-ARDG-0 01511-Ksc-wa	9: TIR01D-10025 MS27-ARDG-0 01512-Mv	10: TIR01D-10025 MS27-ARDG-0 01513-Mv
Sample Date & Time	26-Nov-24	26-Nov-24	26-Nov-24
Paste pH [no unit]	9.04	8.87	8.84
Fizz Rate [rating]	3	4	4
Sample weight [g]	2.02	2.01	2.01
HCl_add [mL]	30.90	120.00	100.00

Analysis	8:	9:	10:
	TIR01D-10025	TIR01D-10025	TIR01D-10025
	MS27-ARDG-0	MS27-ARDG-0	MS27-ARDG-0
	01511-Ksc-wa	01512-Mv	01513-Mv
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	18.69	38.30	30.38
Final pH [no unit]	1.51	1.65	1.73
NP [t CaCO3/1000 t]	30.2	203	173
AP [t CaCO3/1000 t]	3.72	4.62	4.19
Net NP [t CaCO3/1000 t]	26.5	199	169
NP/AP [ratio]	8.12	43.9	41.4
S [%]	0.202	0.250	0.217
Acid Leachable SO4-S [%]	0.08	0.10	0.08
Sulphide [%]	0.12	0.15	0.13
C [%]	0.417	2.71	2.32
CO3 (HCl) as %CO3 [%]	1.72	13.1	11.2

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

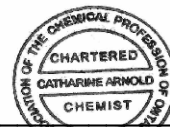
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold

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



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: ECS0045-DEC24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			4	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0049-DEC24													
Carbon (total)	0.005	%	<0.005								99	70	
Sulphur (total)	0.005	%	<0.005								97	70	
Carbon/Sulphur - QCBatchID: ECS0052-DEC24													
Sulphide	0.04	%	< 0.01			6	20	79	80	120			

**SGS Canada Inc.**

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

30-December-2024

Agnico Eagle Mines Limited**Attn :** Randy Schwandt/Alexandre Langlais-Bourassa

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Date Rec. : 03 December 2024**LR Report:** CA19305-DEC24**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: TIR01D-10025 MS27-ARDG-0 01508-Kwa-s	6: TIR01D-10025 MS27-ARDG-0 01509-Kwa-s	7: TIR01D-10025 MS27-ARDG-0 01510-Mv
Sample Date & Time					24-Nov-24	24-Nov-24	25-Nov-24
Ag [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	72000	71000	58000
As [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	140	210	3.8
Ba [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	650	720	23
Be [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	1.0	1.1	0.21
Bi [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	0.41	0.69	< 0.09
Ca [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	23000	22000	62000
Cd [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	1.5	2.2	0.09
Co [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	8.5	9.0	38
Cr [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	40	47	120
Cu [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	43	75	74
Fe [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	49000	43000	62000
K [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	16000	18000	1700
Li [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	22	22	54
Mg [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	9100	9300	19000
Mn [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	370	370	1500
Mo [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	1.1	2.2	0.4
Ni [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	23	26	96
P [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	390	360	180
Pb [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	20	25	3
Sb [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	< 0.8	< 0.8	< 0.8
Se [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	0.1	0.2	0.3
Sn [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	< 6	< 6	7
Sr [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	250	240	130
Ti [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	1800	1800	300
Tl [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	0.34	0.38	0.07

**SGS Canada Inc.**

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

mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19305-DEC24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-10025 MS27-ARDG-0 01508-Kwa-s	6: TIR01D-10025 MS27-ARDG-0 01509-Kwa-s	7: TIR01D-10025 MS27-ARDG-0 01510-Mv
U [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	1.0	1.1	0.060
V [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	43	44	190
Y [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	5.8	6.0	8.8
Zn [µg/g]	12-Dec-24	13:03	13-Dec-24	09:36	280	370	83

Analysis	8: TIR01D-10025 MS27-ARDG-0 01511-Ksc-wa	9: TIR01D-10025 MS27-ARDG-0 01512-Mv	10: TIR01D-10025 MS27-ARDG-0 01513-Mv
Sample Date & Time	26-Nov-24	26-Nov-24	26-Nov-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	67000	63000	64000
As [µg/g]	120	61	76
Ba [µg/g]	700	230	270
Be [µg/g]	1.2	0.62	0.73
Bi [µg/g]	0.17	< 0.09	0.10
Ca [µg/g]	9000	59000	55000
Cd [µg/g]	0.08	0.08	0.07
Co [µg/g]	21	33	31
Cr [µg/g]	91	100	84
Cu [µg/g]	49	74	68
Fe [µg/g]	49000	51000	50000
K [µg/g]	18000	13000	15000
Li [µg/g]	45	37	36
Mg [µg/g]	14000	13000	13000
Mn [µg/g]	290	980	850
Mo [µg/g]	1.7	0.7	1.2
Ni [µg/g]	68	87	83
P [µg/g]	620	230	260
Pb [µg/g]	9	4	5
Sb [µg/g]	< 0.8	0.8	0.9
Se [µg/g]	0.1	0.3	0.2
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	180	180	170
Ti [µg/g]	3100	1200	1300
Tl [µg/g]	0.39	0.51	0.52
U [µg/g]	1.6	0.48	0.55
V [µg/g]	110	160	140
Y [µg/g]	5.6	10	8.7
Zn [µg/g]	74	57	57

Bulk Metals Suite

**SGS Canada Inc.**

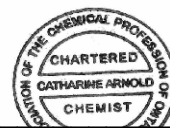
P.O. Box 4300 - 185 Concession St.
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mel

Works #: Waste Rock OP TIR01**Project :** PO#1254179**LR Report :** CA19305-DEC24

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013



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

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: EMS0125-DEC24													
Calcium	3	µg/g	<3			2		95			89		
Phosphorus	3	µg/g	<3			2		91			82		
Potassium	3	µg/g	<3			2		91			79		
Metals - Microwave/ICP-MS - QCBatchID: EMS0125-DEC24													
Aluminum	3	µg/g	<3			2	20	97	70	130	90	70	130
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130	115	70	130
Arsenic	0.5	µg/g	<0.5			1	20	97	70	130	82	70	130
Barium	0.01	µg/g	<0.01			1	20	94	70	130	96	70	130
Beryllium	0.02	µg/g	<0.02			2	20	100	70	130	74	70	130
Bismuth	0.09	µg/g	<0.09			6	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			9	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	97	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			5	20	94	70	130	74	70	130
Copper	0.1	µg/g	<0.1			2	20	99	70	130	84	70	130
Iron	3	µg/g	<3			0	20	96	70	130	80	70	130
Lead	0.05	µg/g	<0.05			1	20	96	70	130	94	70	130
Lithium	2	µg/g	<2			5	20	99	70	130	85	70	130
Magnesium	3	µg/g	<3			0	20	100	70	130	83	70	130
Manganese	0.1	µg/g	<0.1			1	20	96	70	130	86	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	94	70	130	90	70	130
Nickel	0.1	µg/g	<0.1			1	20	97	70	130	87	70	130
Selenium	0.1	µg/g	<0.1			5	20	96	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	98	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			4	20	94	70	130	86	70	130
Thallium	0.02	µg/g	<0.02			0	20	97	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	94	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			8	20	95	70	130	72	70	130
Uranium	0.002	µg/g	<0.002			1	20	99	70	130	85	70	130
Vanadium	1	µg/g	<1			8	20	98	70	130	79	70	130
Yttrium	0.004	µg/g	<0.004			4	20	100	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	96	70	130	81	70	130

**SGS Canada Inc.**

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mel

Works #: Waste Rock OP TIR01

Project : PO#1254179

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 03 December 2024
 LR Report: CA19306-DEC24
 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: TIR01D-10025 MS27-ARDG-0 01508-Kwa-s	6: TIR01D-10025 MS27-ARDG-0 01509-Kwa-s	7: TIR01D-10025 MS27-ARDG-0 01510-Mv
Sample Date & Time					24-Nov-24	24-Nov-24	25-Nov-24
Sample weight [g]	10-Dec-24	06:22	11-Dec-24	10:05	249	249	250
Volume D.I. Water [mL]	10-Dec-24	06:31	11-Dec-24	10:05	750	750	750
pH [no unit]	11-Dec-24	06:06	11-Dec-24	10:05	8.82	8.83	9.11
pH [No unit]	11-Dec-24	08:40	12-Dec-24	09:21	7.98	8.11	7.98
Conductivity [uS/cm]	11-Dec-24	08:40	12-Dec-24	09:21	283	269	151
Alkalinity [mg/L as CaCO3]	11-Dec-24	08:40	12-Dec-24	09:21	61	62	48
SO4 [mg/L]	11-Dec-24	15:32	12-Dec-24	11:39	10	9	3
Hg (diss) [mg/L]	13-Dec-24	16:07	17-Dec-24	09:08	< 0.00001	0.00001	< 0.00001
Ag (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:51	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:51	0.504	0.521	0.660
As (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:51	0.0090	0.0149	0.0006
Ba (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:51	0.00371	0.00337	0.00058
B (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:51	0.027	0.030	0.009
Be (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:51	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:51	< 0.00001	< 0.00001	0.00001
Ca (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:51	11.3	10.5	8.74
Cd (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.000007	0.000005	< 0.000003
Co (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.000009	0.000017	0.000011
Cr (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	16.8	17.9	2.92
Li (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.0013	0.0015	0.0007
Mg (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	3.41	3.41	1.63
Mn (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.00198	0.00197	0.00119
Mo (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.0136	0.0144	0.0022

Online LIMS

0003974528

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1254179

LR Report : CA19306-DEC24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01D-10025 MS27-ARDG-0 01508-Kwa-s	6: TIR01D-10025 MS27-ARDG-0 01509-Kwa-s	7: TIR01D-10025 MS27-ARDG-0 01510-Mv
Na (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	26.6	24.9	16.4
Ni (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.0020	0.0026	0.0009
Se (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.00011	0.00023	0.00011
Si (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	1.20	1.26	0.92
Sn (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.0904	0.0740	0.0266
Ti (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	< 0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.000005	0.000005	< 0.000005
U (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.000078	0.000088	0.000002
V (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.00047	0.00063	0.00101
W (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	0.0013	0.0016	0.0009
Y (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	12-Dec-24	14:51	13-Dec-24	10:52	< 0.002	< 0.002	< 0.002

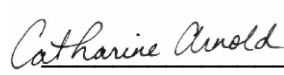
Analysis	8: TIR01D-10025 MS27-ARDG-0 01511-Ksc-wa	9: TIR01D-10025 MS27-ARDG-0 01512-Mv	10: TIR01D-10025 MS27-ARDG-0 01513-Mv	11: TIR01D-10025 MS27-ARDG-0 01513-Mv	12:BLK: \$D.I. Leachate Blank
Sample Date & Time	26-Nov-24	26-Nov-24	26-Nov-24		
Sample weight [g]	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.30	8.77	8.79	8.79	5.61
pH [No unit]	8.78	8.04	7.97	8.01	5.74
Conductivity [uS/cm]	200	282	275	282	< 2
Alkalinity [mg/L as CaCO3]	62	55	51	54	< 2
SO4 [mg/L]	7	15	16	16	< 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]	0.513	0.529	0.523	0.504	0.005
As (diss) [mg/L]	0.0282	0.0305	0.0299	0.0324	< 0.0002
Ba (diss) [mg/L]	0.00260	0.00115	0.00114	0.00112	0.00011
B (diss) [mg/L]	0.032	0.025	0.024	0.025	< 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]	6.40	11.2	11.5	11.1	< 0.01
Cd (diss) [mg/L]	< 0.000003	0.000004	0.000008	< 0.000003	0.000004
Co (diss) [mg/L]	0.000014	0.000028	0.000028	0.000022	< 0.000004
Cr (diss) [mg/L]	0.00010	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.021	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	16.9	15.5	16.2	15.5	0.013

Analysis	8: TIR01D-10025 MS27-ARDG-0 01511-Ksc-wa	9: TIR01D-10025 MS27-ARDG-0 01512-Mv	10: TIR01D-10025 MS27-ARDG-0 01513-Mv	11: TIR01D-10025 MS27-ARDG-0 01513-Mv	12:BLK: \$D.I. Leachate Blank
Li (diss) [mg/L]	0.0009	0.0008	0.0009	0.0008	< 0.0001
Mg (diss) [mg/L]	1.45	2.64	2.74	2.55	< 0.001
Mn (diss) [mg/L]	0.00028	0.00170	0.00191	0.00160	0.00004
Mo (diss) [mg/L]	0.0044	0.0059	0.0063	0.0064	< 0.0004
Na (diss) [mg/L]	21.0	28.0	27.8	26.8	0.01
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]	0.0038	0.0156	0.0159	0.0163	< 0.0009
Se (diss) [mg/L]	0.00015	0.00029	0.00033	0.00025	< 0.00004
Si (diss) [mg/L]	1.45	1.12	1.12	1.12	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0268	0.0478	0.0500	0.0480	< 0.00008
Ti (diss) [mg/L]	0.0018	< 0.0001	0.0003	0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	0.000009	0.000009	0.000009	< 0.000005
U (diss) [mg/L]	0.000074	0.000018	0.000017	0.000017	< 0.000002
V (diss) [mg/L]	0.00196	0.00143	0.00182	0.00124	< 0.00001
W (diss) [mg/L]	0.0017	0.0018	0.0019	0.0019	< 0.0002
Y (diss) [mg/L]	0.00005	< 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

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006



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

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: EWL0201-DEC24													
Alkalinity	2	mg/L as Ca	< 2			2	20	109	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8017-DEC24													
Sulphate	2	mg/L	<2			ND	20	105	80	120	106	75	125
Conductivity - QCBatchID: EWL0201-DEC24													
Conductivity	2	uS/cm	< 2			0	20	96	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0021-DEC24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	98	80	120	129	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0128-DEC24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	102	90	110	100	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			1	20	102	90	110	88	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			4	20	98	90	110	96	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	101	90	110	93	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	105	90	110	105	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	99	90	110	110	70	130
Boron (dissolved)	0.002	mg/L	<0.002			1	20	102	90	110	93	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			15	20	106	90	110	111	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			0	20	106	90	110	73	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	105	90	110	98	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			20	20	99	90	110	103	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	107	90	110	115	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	106	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	102	90	110	100	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			5	20	101	90	110	111	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	105	90	110	96	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			3	20	106	90	110	98	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			0	20	103	90	110	91	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	106	90	110	93	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	103	90	110	99	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	101	90	110	111	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			2	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	99	90	110	94	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	104	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	99	90	110	93	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	102	90	110	113	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	102	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	104	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			2	20	106	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			2	20	101	90	110	114	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			3	20	103	90	110	104	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	101	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	104	70	130
pH - QCBatchID: EWL0201-DEC24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

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Lakefield - Ontario - KOL 2H0
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mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555

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Date Rec. : 09 December 2024

LR Report: CA19324-DEC24

Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

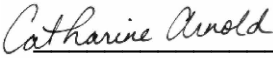
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025M S36-ARDG-0015 14-Kwa-s	6: TIR01C-10025M S36-ARDG-0015 15-Kwa-s	7: TIR01C-10025M S36-ARDG-0015 16-Kwa-s	8: TIR01C-10025M S36-ARDG-0015 17-Kwa-s	9: TIR01C-10025M S36-ARDG-0015 18-Kwa-s
Sample Date & Time					26-Nov-24	26-Nov-24	26-Nov-24	26-Nov-24	29-Nov-24
Ag [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	57000	73000	52000	57000	67000
As [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	110	50	74	77	21
Ba [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	500	600	680	630	620
Be [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	1.2	1.2	1.0	1.0	1.1
Bi [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.21	0.24	0.21	0.19	0.18
Ca [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	10000	11000	14000	14000	19000
Cd [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.13	0.11	0.16	0.14	0.13
Co [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	26	25	19	19	33
Cr [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	109	71	87	73	79
Cu [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	52	46	48	51	73
Fe [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	41000	41000	30000	30000	44000
K [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	20000	19000	14000	14000	15000
Li [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	40	35	25	25	29
Mg [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	15000	15000	9800	10000	12000
Mn [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	350	360	330	310	350
Mo [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	2.1	2.0	1.6	2.3	1.6
Ni [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	85	79	58	55	141
P [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	470	490	380	390	410
Pb [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	15	11	14	13	14
Sb [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.2	0.3	0.3	0.2	0.6
Sn [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	240	280	330	320	340
Ti [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	880	1000	1100	1100	1200
Tl [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.52	0.51	0.38	0.37	0.41
U [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.88	1.6	0.88	1.1	1.3
V [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	97	88	65	61	74
Y [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	3.6	7.3	3.1	4.0	5.9
Zn [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	94	94	76	74	73

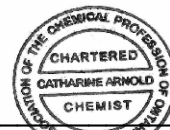
Analysis	10: TIR01C-10025M S36-ARDG-0015 19-Kwa-s	11: TIR01C-10025M S36-ARDG-0015 20-Kwa-s	12: TIR01C-10025M S36-ARDG-0015 21-Kwa-s	13: TIR01C-10025M S36-ARDG-0015 22-Kwa-s
Sample Date & Time	29-Nov-24	29-Nov-24	29-Nov-24	29-Nov-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	75000	75000	48000	46000
As [µg/g]	52	220	32	35
Ba [µg/g]	750	700	610	580
Be [µg/g]	1.2	1.2	1.0	1.0
Bi [µg/g]	0.30	0.56	0.25	0.26
Ca [µg/g]	14000	12000	14000	14000
Cd [µg/g]	0.13	0.12	0.14	0.11
Co [µg/g]	22	24	19	18
Cr [µg/g]	92	105	99	110
Cu [µg/g]	49	79	47	46
Fe [µg/g]	38000	41000	29000	28000
K [µg/g]	18000	20000	13000	13000
Li [µg/g]	33	39	24	23
Mg [µg/g]	14000	15000	9300	9000
Mn [µg/g]	370	350	310	310
Mo [µg/g]	3.3	2.2	3.4	2.6
Ni [µg/g]	71	79	55	55
P [µg/g]	450	460	370	360
Pb [µg/g]	19	27	58	70
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]	350	300	310	290
Ti [µg/g]	960	800	890	910
Tl [µg/g]	0.45	0.50	0.39	0.36
U [µg/g]	1.7	1.6	0.84	0.88
V [µg/g]	85	97	60	60
Y [µg/g]	6.5	5.9	3.1	3.0
Zn [µg/g]	85	86	73	72

Bulk Metals Suite

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013


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



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: EMS0183-DEC24													
Calcium	3	µg/g	<3			9		101			93		
Phosphorus	3	µg/g	<3			2		100			90		
Potassium	3	µg/g	<3			2		100			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0183-DEC24													
Aluminum	3	µg/g	<3			2	20	96	70	130	90	70	130
Antimony	0.8	µg/g	<0.8			2	20	107	70	130	112	70	130
Arsenic	0.5	µg/g	<0.5			2	20	99	70	130	94	70	130
Barium	0.01	µg/g	<0.01			7	20	98	70	130	99	70	130
Beryllium	0.02	µg/g	<0.02			5	20	100	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			15	20	107	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	104	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	93	70	130
Copper	0.1	µg/g	<0.1			2	20	104	70	130	99	70	130
Iron	3	µg/g	<3			3	20	102	70	130	97	70	130
Lead	0.05	µg/g	<0.05			2	20	96	70	130	101	70	130
Lithium	2	µg/g	<2			0	20	100	70	130	100	70	130
Magnesium	3	µg/g	<3			2	20	104	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			3	20	100	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	102	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			2	20	101	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			2	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			0	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			9	20	100	70	130	97	70	130
Thallium	0.02	µg/g	<0.02			11	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			1	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	96	70	130	82	70	130
Uranium	0.002	µg/g	<0.002			2	20	96	70	130	92	70	130
Vanadium	1	µg/g	<1			2	20	102	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			2	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	101	70	130	98	70	130

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at <https://www.sgs.ca/en/terms-and-conditions> (Printed copies are available upon request.) Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples. 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.

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025MSTIR01C-10025MS -Kwa-s	6: TIR01C-10025MSTIR01C-10025MS -Kwa-s	7: TIR01C-10025MSTIR01C-10025MS -Kwa-s	8: TIR01C-10025MSTIR01C-10025MS -Kwa-s
TI (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.000010	0.000016	0.000006	0.000007
U (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.000156	0.000328	0.000574	0.000527
V (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.00282	0.00121	0.00179	0.00235
W (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.0017	0.0016	0.0039	0.0036
Y (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9:	10:	11:	12:	13:
	TIR01C-10025MSTIR01C-10025MSTIR01C-10025MSTIR01C-10025MSTIR01C-10025MS	TIR01C-10025MSTIR01C-10025MSTIR01C-10025MSTIR01C-10025MSTIR01C-10025MS	TIR01C-10025MSTIR01C-10025MSTIR01C-10025MSTIR01C-10025MSTIR01C-10025MS	TIR01C-10025MSTIR01C-10025MSTIR01C-10025MSTIR01C-10025MS	TIR01C-10025MSTIR01C-10025MSTIR01C-10025MSTIR01C-10025MS
	36-ARDG-00151836-Kwa-s	36-ARDG-00151936-Kwa-s	36-ARDG-00152036-Kwa-s	36-ARDG-00152136-Kwa-s	36-ARDG-00152236-Kwa-s
Sample Date & Time	29-Nov-24	29-Nov-24	29-Nov-24	29-Nov-24	29-Nov-24
Sample weight [g]	249	250	249	251	251
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.20	9.31	9.23	9.46	9.42
pH [No unit]	8.38	8.08	8.43	8.81	8.77
Conductivity [µS/cm]	204	182	199	178	182
Alkalinity [mg/L as CaCO3]	66	58	64	69	71
SO4 [mg/L]	19	11	19	6	6
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	< 0.00005	< 0.00005	0.00011	0.00007	< 0.00005
Al (diss) [mg/L]	0.624	0.725	0.639	0.732	0.698
As (diss) [mg/L]	0.0082	0.0637	0.0907	0.0689	0.0671
Ba (diss) [mg/L]	0.00298	0.00227	0.00215	0.00231	0.00238
B (diss) [mg/L]	0.010	0.011	0.011	0.009	0.009
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000008	< 0.000007
Bi (diss) [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	9.08	7.59	8.07	6.56	6.69
Cd (diss) [mg/L]	0.000004	0.000005	0.000004	0.000005	0.000006
Co (diss) [mg/L]	0.000016	0.000021	0.000017	0.000026	0.000029
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	18.1	18.0	19.6	16.3	16.5
Li (diss) [mg/L]	0.0014	0.0025	0.0013	0.0013	0.0014
Mg (diss) [mg/L]	3.34	2.47	2.80	2.35	2.57
Mn (diss) [mg/L]	0.00129	0.00082	0.00090	0.00100	0.00110
Mo (diss) [mg/L]	0.0053	0.0093	0.0056	0.0109	0.0105
Na (diss) [mg/L]	20.8	17.6	20.2	19.5	20.4
Ni (diss) [mg/L]	0.0002	0.0001	0.0001	0.0002	0.0002
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0054	0.0063	0.0076	0.0070	0.0072
Se (diss) [mg/L]	0.00034	0.00020	0.00018	0.00041	0.00037
Si (diss) [mg/L]	1.54	1.46	1.42	1.96	1.89
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0433	0.0385	0.0397	0.0328	0.0344
Ti (diss) [mg/L]	< 0.0001	0.0002	0.0001	0.0003	0.0002
Tl (diss) [mg/L]	< 0.000005	0.000008	0.000008	0.000010	0.000006
U (diss) [mg/L]	0.000183	0.000142	0.000114	0.000817	0.000806
V (diss) [mg/L]	0.00164	0.00214	0.00192	0.00362	0.00354
W (diss) [mg/L]	0.0048	0.0070	0.0022	0.0070	0.0069
Y (diss) [mg/L]	0.00005	< 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

SGS Canada Inc.

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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19325-DEC24

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

Catharine Arnold



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

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: EWL0309-DEC24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8026-DEC24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	105	75	
Conductivity - QCBatchID: EWL0309-DEC24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0030-DEC24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	118	80	120	125	70	
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0169-DEC24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	100	90	110	101	70	
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	114	70	
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	100	70	
Barium (dissolved)	0.00008	mg/L	<0.00008			10	20	99	90	110	99	70	
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	94	90	110	96	70	
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	96	90	110	82	70	
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	93	90	110	92	70	
Cadmium (dissolved)	0.000003	mg/L	<0.000003			18	20	103	90	110	97	70	
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	100	90	110	87	70	
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	106	90	110	102	70	
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	99	90	110	94	70	
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	103	90	110	85	70	
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	104	90	110	125	70	
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	96	70	
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	98	70	
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	102	90	110	95	70	
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	102	90	110	99	70	
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	98	90	110	88	70	
Nickel (dissolved)	0.0001	mg/L	<0.0001			7	20	101	90	110	97	70	
Potassium (dissolved)	0.009	mg/L	<0.009			10	20	97	90	110	95	70	
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	102	90	110	97	70	
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	92	90	110	NV	70	
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	107	90	110	94	70	
Sodium (dissolved)	0.01	mg/L	<0.01			4	20	103	90	110	96	70	
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	99	90	110	90	70	
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	102	90	110	89	70	
Tin (dissolved)	0.00006	mg/L	<0.00006			8	20	100	90	110	NV	70	

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)	0.0001	mg/L	<0.0001			13	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	95	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	99	90	110	98	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	102	90	110	95	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			16	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			5	20	105	90	110	116	70	130
pH - QCBatchID: EWL0309-DEC24													
pH	0.05	No unit	NA			0		100			NA		

**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#1380289

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 09 December 2024
 LR Report: CA19328-DEC24
 Reference: Meliadine - PO#1380289

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: TIR01C-10030M S43-ARDG-0015 23-Ksc-wa	6: TIR01C-10030M S43-ARDG-0015 24-Ksc-wa	7: TIR01C-10030M S43-ARDG-0015 25-Ksc-wa	8: TIR01C-10030M S43-ARDG-0015 26-Ksc-wa
Sample Date & Time					30-Nov-24	30-Nov-24	30-Nov-24	01-Dec-24
Sample weight [g]	12-Dec-24	15:52	16-Dec-24	10:00	251	249	249	249
Volume D.I. Water [mL]	15-Dec-24	09:43	16-Dec-24	10:00	750	750	750	750
pH [no unit]	16-Dec-24	08:25	16-Dec-24	10:00	9.34	9.36	9.40	9.32
pH [No unit]	16-Dec-24	14:10	17-Dec-24	11:39	9.03	9.07	9.18	9.02
Conductivity [uS/cm]	16-Dec-24	14:10	17-Dec-24	11:39	140	150	162	194
Alkalinity [mg/L as CaCO3]	16-Dec-24	14:10	17-Dec-24	11:39	56	54	60	83
SO4 [mg/L]	16-Dec-24	12:54	16-Dec-24	15:11	7	6	4	4
Hg (diss) [mg/L]	18-Dec-24	15:39	18-Dec-24	13:56	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.671	0.684	0.691	0.587
As (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.0074	0.0082	0.0105	0.0342
Ba (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.00262	0.00225	0.00239	0.00433
B (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.029	0.027	0.031	0.035
Be (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	6.53	6.00	4.42	6.62
Cd (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.000003	0.000003	0.000004	0.000005
Co (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.000021	0.000015	0.000020	0.000036
Cr (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	< 0.00008	< 0.00008	0.00008	0.00011
Cu (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.034	0.026	0.050	0.039
K (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	14.2	12.7	16.2	22.1
Li (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.0008	0.0007	0.0007	0.0055
Mg (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:58	0.749	0.661	0.617	1.98
Mn (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.00083	0.00025	0.00030	0.00051
Mo (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.0051	0.0053	0.0058	0.0048
Na (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	18.9	18.6	20.4	22.5
Ni (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	< 0.0001	0.0001	< 0.0001	0.0002
Pb (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	< 0.00009	0.00025	< 0.00009	< 0.00009
Sb (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.0036	0.0036	0.0052	0.0034
Se (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.00012	0.00008	0.00063	0.00007
Si (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	1.53	1.40	1.62	1.88
Sn (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.0367	0.0353	0.0284	0.0353
Ti (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.0010	0.0006	0.0014	0.0014

Online LIMS

0003974551

**SGS Canada Inc.**

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

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19328-DEC24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S43-ARDG-0015 23-Ksc-wa	6: TIR01C-10030M S43-ARDG-0015 24-Ksc-wa	7: TIR01C-10030M S43-ARDG-0015 25-Ksc-wa	8: TIR01C-10030M S43-ARDG-0015 26-Ksc-wa
TI (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.000028	0.000040	< 0.000005	0.000010
U (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.000126	0.000100	0.000161	0.000458
V (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.00126	0.00133	0.00162	0.00133
W (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.0013	0.0012	0.0029	0.0013
Y (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	0.00003	< 0.00002	0.00004	0.00005
Zn (diss) [mg/L]	17-Dec-24	16:10	18-Dec-24	09:59	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	9: TIR01C-10030M S43-ARDG-0015 27-Ksc-wa	10: TIR01C-10030M S43-ARDG-0015 28-MV	11: TIR01C-10030M S43-ARDG-0015 29-MV	12: TIR01C-10030M S43-ARDG-0015 30-MV	13: TIR01C-10030M S43-ARDG-0015 30-MV	14:BLK: D.I. Leachate Blank
Sample Date & Time	02-Dec-24	02-Dec-24	02-Dec-24	02-Dec-24		
Sample weight [g]	249	251	249	249	249	---
Volume D.I. Water [mL]	750	750	750	750	750	750
pH [no unit]	8.89	8.92	9.02	8.98	8.99	5.65
pH [No unit]	7.99	7.93	8.37	8.40	8.45	5.66
Conductivity [uS/cm]	246	128	170	169	172	2
Alkalinity [mg/L as CaCO3]	60	50	81	83	85	< 2
SO4 [mg/L]	20	13	6	7	7	< 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]	0.518	0.531	0.555	0.563	0.556	0.001
As (diss) [mg/L]	0.0061	0.0004	0.0302	0.0287	0.0306	< 0.0002
Ba (diss) [mg/L]	0.00287	0.00171	0.00067	0.00084	0.00081	0.00010
B (diss) [mg/L]	0.025	0.009	0.016	0.016	0.017	< 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]	14.5	12.1	8.75	8.71	8.97	0.03
Cd (diss) [mg/L]	0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003
Co (diss) [mg/L]	0.000024	0.000004	0.000036	0.000031	0.000030	< 0.000004
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	8.94	2.96	4.07	3.83	3.92	0.520
Li (diss) [mg/L]	0.0015	0.0008	0.0024	0.0024	0.0024	< 0.0001
Mg (diss) [mg/L]	4.34	2.71	4.96	5.03	4.95	0.002
Mn (diss) [mg/L]	0.00168	0.00187	0.00238	0.00231	0.00280	0.00008
Mo (diss) [mg/L]	0.0062	0.0022	0.0021	0.0023	0.0022	< 0.0004
Na (diss) [mg/L]	28.5	9.11	21.4	20.6	21.2	< 0.01
Ni (diss) [mg/L]	< 0.0001	< 0.0001	0.0003	0.0001	0.0001	< 0.0001
Pb (diss) [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0030	< 0.0009	0.0070	0.0066	0.0068	< 0.0009
Se (diss) [mg/L]	0.00014	0.00015	0.00026	0.00024	0.00023	< 0.00004
Si (diss) [mg/L]	1.09	0.80	1.02	1.05	1.09	< 0.02
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0715	0.0345	0.0120	0.0123	0.0126	< 0.00008
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
TI (diss) [mg/L]	0.000007	0.000005	0.000009	< 0.000005	< 0.000005	< 0.000005
U (diss) [mg/L]	0.000062	0.000003	0.000006	0.000007	0.000008	0.000002
V (diss) [mg/L]	0.00025	0.00052	0.00089	0.00092	0.00095	< 0.00001
W (diss) [mg/L]	0.0014	0.0005	0.0007	0.0006	0.0006	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

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Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at <https://www.sgs.ca/en/terms-and-conditions> (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
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.

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
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Works #: Waste Rock OP TIR01

Project : PO#1380289

LR Report : CA19328-DEC24

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

Catharine Arnold

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

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: EWL0309-DEC24													
Alkalinity	2	mg/L as Ca	< 2			0	20	104	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8026-DEC24													
Sulphate	2	mg/L	<2			ND	20	108	80	120	105	75	125
Conductivity - QCBatchID: EWL0309-DEC24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0030-DEC24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	118	80	120	125	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0169-DEC24													
Aluminum (dissolved)	0.001	mg/L	<0.001			3	20	100	90	110	101	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	105	90	110	114	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	102	90	110	100	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			10	20	99	90	110	99	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	94	90	110	96	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	96	90	110	82	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	93	90	110	92	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			18	20	103	90	110	97	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	100	90	110	87	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	106	90	110	102	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	99	90	110	94	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	103	90	110	85	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	104	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	98	90	110	96	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	98	90	110	98	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			0	20	102	90	110	95	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			2	20	102	90	110	99	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			1	20	98	90	110	88	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			7	20	101	90	110	97	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			10	20	97	90	110	95	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	102	90	110	97	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	92	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	107	90	110	94	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			4	20	103	90	110	96	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	99	90	110	90	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	102	90	110	89	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			8	20	100	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			13	20	97	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	95	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	99	90	110	98	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			1	20	102	90	110	95	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			16	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			5	20	105	90	110	116	70	130
pH - QCBatchID: EWL0309-DEC24													
pH	0.05	No unit	NA			0		100			NA		

**SGS Canada Inc.**

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Works #: Waste Rock OP TIR01

Project : PO#1380289

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Date Rec. : 09 December 2024

LR Report: CA19326-DEC24

Reference: Meliadine - PO#1380289

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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: TIR01C-10030M S43-ARDG-0015 23-Ksc-wa	6: TIR01C-10030M S43-ARDG-0015 24-Ksc-wa	7: TIR01C-10030M S43-ARDG-0015 25-Ksc-wa	8: TIR01C-10030M S43-ARDG-0015 26-Ksc-wa
Sample Date & Time					30-Nov-24	30-Nov-24	30-Nov-24	01-Dec-24
Paste pH [no unit]	17-Dec-24	06:36	18-Dec-24	10:22	9.11	9.06	9.10	9.15
Fizz Rate [rating]	16-Dec-24	13:38	18-Dec-24	10:22	4	4	4	4
Sample weight [g]	17-Dec-24	14:08	19-Dec-24	15:20	2.04	2.03	2.01	1.99
HCl_add [mL]	18-Dec-24	13:26	19-Dec-24	15:20	40.00	40.00	40.00	47.10
HCl [Normality]	17-Dec-24	15:25	19-Dec-24	15:20	0.10	0.10	0.10	0.10
NaOH [Normality]	17-Dec-24	15:25	19-Dec-24	15:20	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	18-Dec-24	16:09	19-Dec-24	15:20	18.77	19.80	16.52	22.24
Final pH [no unit]	18-Dec-24	15:30	19-Dec-24	15:20	1.71	1.71	1.88	1.76
NP [t CaCO3/1000 t]	18-Dec-24	16:10	19-Dec-24	15:20	52.0	49.8	58.4	62.4
AP [t CaCO3/1000 t]	17-Dec-24	15:28	19-Dec-24	15:20	2.00	2.34	2.03	1.62
Net NP [t CaCO3/1000 t]	17-Dec-24	15:28	19-Dec-24	15:20	50.0	47.5	56.4	60.8
NP/AP [ratio]	17-Dec-24	15:28	19-Dec-24	15:20	26.0	21.2	28.8	38.4
S [%]	16-Dec-24	13:37	17-Dec-24	13:23	0.124	0.122	0.147	0.026
Acid Leachable SO4-S [%]	17-Dec-24	13:23	17-Dec-24	13:23	0.06	0.05	0.08	< 0.04
Sulphide [%]	17-Dec-24	13:16	17-Dec-24	13:23	0.06	0.08	0.06	0.05
C [%]	16-Dec-24	13:37	17-Dec-24	13:23	0.710	0.673	0.838	1.07
CO3 (HCl) as %CO3 [%]	18-Dec-24	11:09	18-Dec-24	11:30	3.22	2.96	3.70	4.73

Analysis	9: TIR01C-10030M S43-ARDG-0015 27-Ksc-wa	10: TIR01C-10030M S43-ARDG-0015 28-MV	11: TIR01C-10030M S43-ARDG-0015 29-MV	12: TIR01C-10030M S43-ARDG-0015 30-MV
Sample Date & Time	02-Dec-24	02-Dec-24	02-Dec-24	02-Dec-24
Paste pH [no unit]	8.65	8.92	9.04	9.03
Fizz Rate [rating]	4	4	4	4
Sample weight [g]	2.01	2.00	2.03	2.02
HCl_add [mL]	48.20	140.00	180.00	180.00
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]	23.02	62.40	74.27	72.75
Final pH [no unit]	1.74	1.51	1.59	1.61
NP [t CaCO3/1000 t]	62.6	194	260	266
AP [t CaCO3/1000 t]	3.34	5.62	3.78	5.00
Net NP [t CaCO3/1000 t]	59.3	188	257	260

Analysis	9: TIR01C-10030M S43-ARDG-0015 27-Ksc-wa	10: TIR01C-10030M S43-ARDG-0015 28-MV	11: TIR01C-10030M S43-ARDG-0015 29-MV	12: TIR01C-10030M S43-ARDG-0015 30-MV
NP/AP [ratio]	18.7	34.5	68.9	53.1
S [%]	0.188	0.265	0.202	0.231
Acid Leachable SO ₄ -S [%]	0.08	0.08	0.08	0.07
Sulphide [%]	0.11	0.18	0.12	0.16
C [%]	0.952	2.52	3.77	3.73
CO ₃ (HCl) as %CO ₃ [%]	4.42	12.3	18.4	18.3

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*Net NP (Net Neutralization Potential) = NP-AP

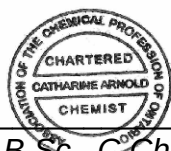
NP/AP Ratio = NP/AP

*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
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold

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

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: ECS0051-DEC24													
Carbon (total)	0.005	%	<0.005			4	20				100	70	13
Sulphur (total)	0.005	%	<0.005			2	20				104	70	13
Carbon/Sulphur - QCBatchID: ECS0055-DEC24													
Sulphide	0.04	%	< 0.01			10	20	90	80	120			
Carbon/Sulphur - QCBatchID: ECS0058-DEC24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			9	20	103	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel

Works #: Waste Rock OP TIR01

Project : PO#1380289

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

Phone: (819) 759-3555

Fax: (819) 759-3663

Date Rec. : 09 December 2024

LR Report: CA19327-DEC24

Reference: Meliadine - PO#1380289

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

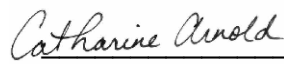
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10030M S43-ARDG-0015 23-Ksc-wa	6: TIR01C-10030M S43-ARDG-0015 24-Ksc-wa	7: TIR01C-10030M S43-ARDG-0015 25-Ksc-wa	8: TIR01C-10030M S43-ARDG-0015 26-Ksc-wa	9: TIR01C-10030M S43-ARDG-0015 27-Ksc-wa
Sample Date & Time					30-Nov-24	30-Nov-24	30-Nov-24	01-Dec-24	02-Dec-24
Ag [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	67000	59000	68000	67000	55000
As [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	9.0	9.7	27	20	140
Ba [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	480	430	570	650	220
Be [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	1.1	1.0	1.3	1.4	0.83
Bi [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.12	< 0.09	0.11	< 0.09	< 0.09
Ca [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	21000	19000	23000	19000	21000
Cd [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.08	0.06	0.08	0.06	0.06
Co [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	11	10	11	8.4	10
Cr [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	52	52	45	38	44
Cu [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	22	23	23	14	26
Fe [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	55000	59000	62000	34000	59000
K [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	16000	15000	20000	22000	6200
Li [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	29	28	35	19	24
Mg [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	8900	8400	10000	5600	8600
Mn [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	380	380	420	280	330
Mo [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	2.6	0.9	1.6	0.9	1.6
Ni [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	25	26	28	16	22
P [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	430	370	420	310	350
Pb [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	12	9	11	8	17
Sb [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.1	0.1	0.2	< 0.1	0.1
Sn [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	270	260	300	280	180
Ti [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	2500	2500	2700	2100	1700
Tl [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.36	0.25	0.35	0.43	0.23
U [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	1.0	0.79	0.96	0.67	0.69
V [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	45	46	55	35	39
Y [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	4.2	3.3	3.9	2.8	3.6
Zn [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	64	65	77	37	71

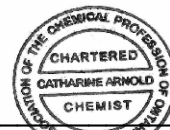
Analysis	10: TIR01C-10030M S43-ARDG-0015 28-MV	11: TIR01C-10030M S43-ARDG-0015 29-MV	12: TIR01C-10030M S43-ARDG-0015 30-MV
Sample Date & Time	02-Dec-24	02-Dec-24	02-Dec-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	67000	70000	68000
As [µg/g]	12	220	130
Ba [µg/g]	45	130	120
Be [µg/g]	0.37	0.47	0.45
Bi [µg/g]	< 0.09	< 0.09	< 0.09
Ca [µg/g]	76000	76000	77000
Cd [µg/g]	0.18	0.17	0.17
Co [µg/g]	48	43	49
Cr [µg/g]	96	120	120
Cu [µg/g]	100	92	100
Fe [µg/g]	85000	71000	70000
K [µg/g]	2200	6400	6200
Li [µg/g]	78	63	63
Mg [µg/g]	30000	26000	26000
Mn [µg/g]	1600	1600	1700
Mo [µg/g]	0.5	0.8	0.5
Ni [µg/g]	90	117	117
P [µg/g]	260	250	260
Pb [µg/g]	4	9	9
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.5	0.3	0.4
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	130	120	120
Ti [µg/g]	2200	3000	2800
Tl [µg/g]	0.13	0.33	0.34
U [µg/g]	0.082	0.13	0.12
V [µg/g]	220	210	210
Y [µg/g]	9.2	11.6	11.2
Zn [µg/g]	100	110	100

Bulk Metals Suite

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013


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



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: EMS0183-DEC24													
Calcium	3	µg/g	<3			9		101			93		
Phosphorus	3	µg/g	<3			2		100			90		
Potassium	3	µg/g	<3			2		100			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0183-DEC24													
Aluminum	3	µg/g	<3			2	20	96	70	130	90	70	130
Antimony	0.8	µg/g	<0.8			2	20	107	70	130	112	70	130
Arsenic	0.5	µg/g	<0.5			2	20	99	70	130	94	70	130
Barium	0.01	µg/g	<0.01			7	20	98	70	130	99	70	130
Beryllium	0.02	µg/g	<0.02			5	20	100	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			15	20	107	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	104	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			1	20	103	70	130	93	70	130
Copper	0.1	µg/g	<0.1			2	20	104	70	130	99	70	130
Iron	3	µg/g	<3			3	20	102	70	130	97	70	130
Lead	0.05	µg/g	<0.05			2	20	96	70	130	101	70	130
Lithium	2	µg/g	<2			0	20	100	70	130	100	70	130
Magnesium	3	µg/g	<3			2	20	104	70	130	98	70	130
Manganese	0.1	µg/g	<0.1			3	20	100	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	102	70	130	93	70	130
Nickel	0.1	µg/g	<0.1			2	20	101	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			2	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			0	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			9	20	100	70	130	97	70	130
Thallium	0.02	µg/g	<0.02			11	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			1	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	96	70	130	82	70	130
Uranium	0.002	µg/g	<0.002			2	20	96	70	130	92	70	130
Vanadium	1	µg/g	<1			2	20	102	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			2	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	101	70	130	98	70	130

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 19 December 2024
LR Report: CA19473-DEC24
Reference: PO# 1254179

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CERTIFICATE OF ANALYSIS

Final Report

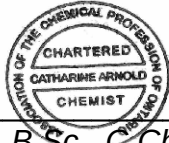
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025M S42-ARDG-0015 31-Mv	6: TIR01C-10025M S42-ARDG-0015 32-Mv	7: TIR01C-10025M S42-ARDG-0015 33-Mv	8: TIR01C-10025M S42-ARDG-0015 34-Mv	9: TIR01C-10025M S42-ARDG-0015 35-Mv	10: TIR01C-10025M S42-ARDG-0015 36-Mv
Sample Date & Time					07-Dec-24	07-Dec-24	07-Dec-24	07-Dec-24	07-Dec-24	07-Dec-24
Ag [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	63000	62000	61000	63000	63000	62000
As [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	17	13	19	49	34	36
Ba [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	1000	1100	160	7	80	79
Be [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	0.56	0.61	0.31	0.22	0.42	0.40
Bi [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	0.16	0.27	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	90000	86000	74000	93000	81000	80000
Cd [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	0.11	0.11	0.08	0.12	0.12	0.11
Co [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	46	44	48	48	49	49
Cr [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	100	98	130	88	83	79
Cu [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	120	110	69	120	110	110
Fe [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	75000	74000	78000	77000	78000	76000
K [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	4500	4500	5400	150	3600	3500
Li [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	64	61	71	21	52	51
Mg [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	29000	29000	33000	28000	36000	36000
Mn [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	1700	1600	1600	1900	1500	1500
Mo [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	0.5	0.3	0.5	0.3	0.4	0.3

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025M S42-ARDG-0015 31-Mv	6: TIR01C-10025M S42-ARDG-0015 32-Mv	7: TIR01C-10025M S42-ARDG-0015 33-Mv	8: TIR01C-10025M S42-ARDG-0015 34-Mv	9: TIR01C-10025M S42-ARDG-0015 35-Mv	10: TIR01C-10025M S42-ARDG-0015 36-Mv
Ni [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	130	120	120	130	130	130
P [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	250	300	190	190	200	200
Pb [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	35	43	3	2	4	3
Sb [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	0.5	0.5	0.4	0.6	0.3	0.3
Sn [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	230	230	90	100	130	130
Ti [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	1400	1300	900	4200	3000	3000
Tl [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	0.37	0.27	0.27	0.03	0.15	0.15
U [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	0.16	0.19	0.062	0.074	0.078	0.080
V [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	190	190	190	200	190	190
Y [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	11	11	7.0	15	7.4	8.3
Zn [µg/g]	27-Dec-24	11:43	30-Dec-24	07:20	79	81	82	88	86	82

Bulk Metals Suite

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013

Catharine Arnold

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

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: EMS0269-DEC24													
Calcium	3	µg/g	<3			2		107			93		
Phosphorus	3	µg/g	<3			1		106			95		
Potassium	3	µg/g	<3			1		107			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0269-DEC24													
Aluminum	3	µg/g	<3			2	20	106	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			ND	20	108	70	130	105	70	130
Arsenic	0.5	µg/g	<0.5			4	20	108	70	130	92	70	130
Barium	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			10	20	97	70	130	81	70	130
Bismuth	0.09	µg/g	<0.09			4	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			16	20	106	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			19	20	107	70	130	81	70	130
Cobalt	0.01	µg/g	<0.01			0	20	109	70	130	90	70	130
Copper	0.1	µg/g	<0.1			3	20	105	70	130	93	70	130
Iron	3	µg/g	<3			1	20	107	70	130	97	70	130
Lead	0.05	µg/g	<0.05			1	20	108	70	130	102	70	130
Lithium	2	µg/g	<2			0	20	99	70	130	95	70	130
Magnesium	3	µg/g	<3			2	20	106	70	130	93	70	130
Manganese	0.1	µg/g	<0.1			1	20	110	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	99	70	130	87	70	130
Nickel	0.1	µg/g	<0.1			0	20	108	70	130	99	70	130
Selenium	0.1	µg/g	<0.1			5	20	109	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	105	70	130	96	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			5	20	95	70	130	80	70	130
Uranium	0.002	µg/g	<0.002			0	20	104	70	130	96	70	130
Vanadium	1	µg/g	<1			3	20	107	70	130	93	70	130
Yttrium	0.004	µg/g	<0.004			2	20	108	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	106	70	130	91	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel

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

24-January-2025

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

Date Rec. : 19 December 2024**LR Report:** CA19472-DEC24**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: TIR01C-10025 MS42-ARDG-0 01531-Mv	6: TIR01C-10025 MS42-ARDG-0 01532-Mv	7: TIR01C-10025 MS42-ARDG-0 01533-Mv
Sample Date & Time					07-Dec-24	07-Dec-24	07-Dec-24
Paste pH [no unit]	07-Jan-25	14:01	08-Jan-25	16:50	8.81	8.83	8.82
Fizz Rate [rating]	06-Jan-25	08:33	08-Jan-25	16:50	4	4	4
Sample weight [g]	06-Jan-25	06:58	08-Jan-25	16:50	2.03	1.99	2.02
HCl_add [mL]	07-Jan-25	07:47	08-Jan-25	16:50	138.20	126.30	110.70
HCl [Normality]	06-Jan-25	09:00	08-Jan-25	16:50	0.10	0.10	0.10
NaOH [Normality]	06-Jan-25	09:00	08-Jan-25	16:50	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	07-Jan-25	21:21	08-Jan-25	16:50	39.18	18.73	29.40
Final pH [no unit]	07-Jan-25	21:21	08-Jan-25	16:50	1.57	1.74	1.72
NP [t CaCO3/1000 t]	07-Jan-25	21:21	08-Jan-25	16:50	244	270	201
AP [t CaCO3/1000 t]	07-Jan-25	21:21	08-Jan-25	16:51	2.97	4.50	6.66
Net NP [t CaCO3/1000 t]	07-Jan-25	21:21	08-Jan-25	16:51	241	266	195
NP/AP [ratio]	07-Jan-25	21:21	08-Jan-25	16:51	82.2	60.1	30.2
S [%]	27-Dec-24	12:22	30-Dec-24	16:22	0.194	0.166	0.239
Acid Leachable SO4-S [%]	30-Dec-24	16:22	30-Dec-24	16:22	0.10	< 0.04	< 0.04
Sulphide [%]	30-Dec-24	15:37	30-Dec-24	16:22	0.10	0.14	0.21
C [%]	27-Dec-24	12:22	30-Dec-24	16:22	3.11	2.98	2.60
CO3 (HCl) as %CO3 [%]	31-Dec-24	07:02	31-Dec-24	08:03	15.2	14.5	12.5

Analysis	8: TIR01C-10025 MS42-ARDG-0 01534-Mv	9: TIR01C-10025 MS42-ARDG-0 01535-Mv	10: TIR01C-10025 MS42-ARDG-0 01536-Mv
Sample Date & Time	07-Dec-24	07-Dec-24	07-Dec-24
Paste pH [no unit]	8.98	8.91	8.88
Fizz Rate [rating]	4	4	4
Sample weight [g]	2.03	2.00	2.01
HCl_add [mL]	102.70	114.20	107.00

Analysis	8: TIR01C-10025 MS42-ARDG-0 01534-Mv	9: TIR01C-10025 MS42-ARDG-0 01535-Mv	10: TIR01C-10025 MS42-ARDG-0 01536-Mv
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	31.37	28.82	20.28
Final pH [no unit]	1.59	1.76	1.96
NP [t CaCO3/1000 t]	176	214	216
AP [t CaCO3/1000 t]	8.66	2.66	2.59
Net NP [t CaCO3/1000 t]	167	211	213
NP/AP [ratio]	20.3	80.4	83.2
S [%]	0.365	0.133	0.118
Acid Leachable SO4-S [%]	0.09	0.05	< 0.04
Sulphide [%]	0.28	0.08	0.08
C [%]	2.18	2.79	2.78
CO3 (HCl) as %CO3 [%]	10.5	13.5	13.4

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

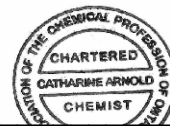
Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold

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



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: ECS0079-DEC24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	103	80	120			
Carbon/Sulphur - QCBatchID: ECS0080-DEC24													
Carbon (total)	0.005	%	<0.005			0	20				99	70	130
Sulphur (total)	0.005	%	<0.005			2	20				105	70	130
Carbon/Sulphur - QCBatchID: ECS0087-DEC24													
Sulphide	0.04	%	< 0.01			5	20	112	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

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

03-January-2025

Date Rec. : 19 December 2024
LR Report: CA19474-DEC24
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 Time	5: TIR01C-10025M 31-Mv	6: TIR01C-10025M 32-Mv	7: TIR01C-10025M 33-Mv	8: TIR01C-10025M 34-Mv	9: TIR01C-10025M 35-Mv	10: TIR01C-10025M 36-Mv
Sample Date & Time					07-Dec-24	07-Dec-24	07-Dec-24	07-Dec-24	07-Dec-24	07-Dec-24
Sample weight [g]	24-Dec-24	12:53	31-Dec-24	09:24	250	250	251	250	250	250
Volume D.I. Water [mL]	30-Dec-24	06:50	31-Dec-24	09:24	750	750	750	750	750	750
pH [no unit]	31-Dec-24	06:10	31-Dec-24	09:24	8.97	8.97	8.77	9.05	8.95	8.88
pH [No unit]	31-Dec-24	13:14	02-Jan-25	11:30	7.86	7.81	7.82	7.61	7.86	7.85
Conductivity [uS/cm]	31-Dec-24	13:14	02-Jan-25	11:30	200	196	206	158	141	140
Alkalinity [mg/L as CaCO3]	31-Dec-24	13:14	02-Jan-25	11:30	47	45	45	37	52	51
SO4 [mg/L]	31-Dec-24	09:44	31-Dec-24	13:33	12	13	17	22	6	6
Hg (diss) [mg/L]	02-Jan-25	13:51	03-Jan-25	08:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.484	0.482	0.426	0.475	0.355	0.371
As (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.0033	0.0022	0.0025	0.0167	0.0049	0.0046
Ba (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.0100	0.0114	0.00191	0.00091	0.00070	0.00067
B (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.008	0.007	0.010	0.011	0.009	0.009
Be (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	11.3	11.1	13.0	11.8	10.3	10.3

Online LIMS

Analysis	1: Analysis Start Date	2: Analysis Start Time/Completed	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025M S42-ARDG-0015 31-Mv	6: TIR01C-10025M S42-ARDG-0015 32-Mv	7: TIR01C-10025M S42-ARDG-0015 33-Mv	8: TIR01C-10025M S42-ARDG-0015 34-Mv	9: TIR01C-10025M S42-ARDG-0015 35-Mv	10: TIR01C-10025M S42-ARDG-0015 36-Mv
Cd (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.000003	< 0.000003	< 0.000003	0.000004	< 0.000003	< 0.000003
Co (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.000009	0.000008	0.000005	0.000021	0.000016	0.000010
Cr (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	4.77	4.71	6.11	0.807	4.05	4.04
Li (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.0006	0.0006	0.0005	0.0004	0.0005	0.0005
Mg (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	3.29	3.31	3.56	3.30	3.98	4.05
Mn (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.00169	0.00260	0.00190	0.00242	0.00239	0.00140
Mo (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.0021	0.0024	0.0022	0.0074	0.0013	0.0022
Na (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	17.6	17.8	17.0	14.3	8.80	9.38
Ni (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.00011	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.0009	< 0.0009	< 0.0009	0.0056	0.0037	0.0038
Se (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.00051	0.00061	0.00012	0.00014	0.00012	0.00012
Si (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.91	0.95	0.93	1.35	1.07	1.04
Sn (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.0636	0.0688	0.0362	0.0163	0.0326	0.0332
Ti (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.000006	0.000010	0.000007	< 0.000005	0.000005	0.000005
U (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.000006	0.000005	0.000004	0.000004	0.000009	0.000002
V (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.00068	0.00064	0.00048	0.00144	0.00076	0.00077
W (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	0.00080	0.00074	0.00090	0.00282	0.00191	0.00193
Y (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	02-Jan-25	09:46	03-Jan-25	08:44	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

Method Descriptions

Parameter	SGS Method Code
	NA



SGS Canada Inc.

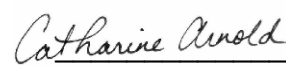
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Lakefield - Ontario - KOL 2H0

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mel
Works #: Waste Rock OP TIR01
Project : PO# 1254179
LR Report : CA19474-DEC24

Parameter	SGS Method Code
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006



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

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: EWL0552-DEC24													
Alkalinity	2	mg/L as Ca	< 2			0	20	102	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8043-DEC24													
Sulphate	2	mg/L	<2			ND	20	103	80	120	101	75	125
Conductivity - QCBatchID: EWL0552-DEC24													
Conductivity	2	uS/cm	< 2			0	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0055-DEC24													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	105	80	120	110	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0295-DEC24													
Aluminum (dissolved)	0.001	mg/L	<0.001			0	20	99	90	110	111	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	110	90	110	125	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			11	20	97	90	110	103	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			2	20	96	90	110	88	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	100	90	110	103	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	92	90	110	99	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	103	90	110	98	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			18	20	100	90	110	99	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			3	20	96	90	110	71	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	98	90	110	100	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			5	20	96	90	110	97	70	130
Copper (dissolved)	0.001	mg/L	<0.001			1	20	95	90	110	89	70	130
Iron (dissolved)	0.007	mg/L	<0.007			ND	20	96	90	110	125	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	95	90	110	101	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	102	90	110	97	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			2	20	98	90	110	73	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			0	20	98	90	110	70	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			0	20	100	90	110	112	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			3	20	100	90	110	98	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			1	20	97	90	110	92	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			4	20	98	90	110	104	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			3	20	98	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	96	90	110	72	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			1	20	95	90	110	99	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			0	20	100	90	110	85	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			3	20	98	90	110	100	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	102	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			13	20	104	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			1	20	97	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	96	90	110	108	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			5	20	97	90	110	100	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	96	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	95	90	110	101	70	130
pH - QCBatchID: EWL0552-DEC24													
pH	0.05	No unit	NA			0		100			NA		

12-January-2025

Agnico Eagle Mines Limited

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Meliadine
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X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 24 December 2024
LR Report: CA19496-DEC24
Reference: PO# 1254179

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start TimeCompleted	3: Analysis Completed Date	4: Analysis TIR01C-10025M Completed Time	5: TIR01C-10025M 50-Kwa-s	6: TIR01C-10025M 51-Kwa-s	7: TIR01C-10025M 52-Kwa-s	8: TIR01C-10025M 53-Kwa-s	9: TIR01C-10025M 54-Kwa-s	10: TIR01C-10025M 55-Kwa-s
Sample Date & Time					14-Dec-24	14-Dec-24	14-Dec-24	14-Dec-24	14-Dec-24	14-Dec-24
Paste pH [no unit]	07-Jan-25	20:49	09-Jan-25	08:55	9.14	9.08	9.12	9.05	9.00	8.96
Fizz Rate [rating]	07-Jan-25	08:16	09-Jan-25	08:55	3	3	3	3	3	3
Sample weight [g]	07-Jan-25	06:40	09-Jan-25	08:55	1.99	2.02	2.02	2.03	2.01	1.99
HCl_add [mL]	08-Jan-25	07:18	09-Jan-25	08:55	31.70	45.60	33.40	41.60	42.60	34.50
HCl [Normality]	07-Jan-25	09:09	09-Jan-25	08:55	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	07-Jan-25	09:09	09-Jan-25	08:55	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	08-Jan-25	13:24	09-Jan-25	08:55	24.66	17.47	16.11	16.30	16.46	18.44
Final pH [no unit]	08-Jan-25	09:15	09-Jan-25	08:55	1.69	1.93	1.74	1.78	1.61	1.77
NP [t CaCO3/1000 t]	08-Jan-25	13:24	09-Jan-25	08:55	17.7	69.6	42.8	62.3	65.0	40.4
AP [t CaCO3/1000 t]	10-Jan-25	11:20	10-Jan-25	11:21	4.59	6.91	4.72	5.62	6.47	6.31
Net NP [t CaCO3/1000 t]	10-Jan-25	11:20	10-Jan-25	11:21	13.1	62.7	38.1	56.7	58.5	34.1
NP/AP [ratio]	10-Jan-25	11:20	10-Jan-25	11:21	3.85	10.1	9.07	11.1	10.0	6.40
S [%]	09-Jan-25	11:35	10-Jan-25	11:20	0.203	0.340	0.245	0.251	0.321	0.258
Acid Leachable SO4-S [%]	10-Jan-25	11:20	10-Jan-25	11:20	0.06	0.12	0.09	0.07	0.11	0.06
Sulphide [%]	10-Jan-25	10:47	10-Jan-25	11:20	0.15	0.22	0.15	0.18	0.21	0.20
C [%]	09-Jan-25	11:35	10-Jan-25	11:20	0.623	0.806	0.677	0.740	0.867	0.764

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025M S38-ARDG-0015 50-Kwa-s	6: TIR01C-10025M S38-ARDG-0015 51-Kwa-s	7: TIR01C-10025M S38-ARDG-0015 52-Kwa-s	8: TIR01C-10025M S38-ARDG-0015 53-Kwa-s	9: TIR01C-10025M S38-ARDG-0015 54-Kwa-s	10: TIR01C-10025M S38-ARDG-0015 55-Kwa-s
CO3 (HCl) as %CO3 [%]	10-Jan-25	13:26	10-Jan-25	14:24	2.72	3.78	2.99	3.00	3.79	3.27

Analysis	11: TIR01C-10025M S38-ARDG-0015 56-Kwa-s	12: TIR01C-10025M S38-ARDG-0015 57-Kwa-s	13: TIR01C-10025M S38-ARDG-0015 58-Kwa-s
Sample Date & Time	14-Dec-24	14-Dec-24	14-Dec-24
Paste pH [no unit]	9.07	9.03	9.04
Fizz Rate [rating]	3	3	3
Sample weight [g]	2.03	2.02	2.02
HCl_add [mL]	38.20	32.40	36.70
HCl [Normality]	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15.14	19.71	15.58
Final pH [no unit]	1.54	1.88	1.50
NP [t CaCO3/1000 t]	56.8	31.4	52.3
AP [t CaCO3/1000 t]	3.44	5.59	4.41
Net NP [t CaCO3/1000 t]	53.4	25.8	47.9
NP/AP [ratio]	16.5	5.61	11.9
S [%]	0.174	0.242	0.225
Acid Leachable SO4-S [%]	0.06	0.06	0.08
Sulphide [%]	0.11	0.18	0.14
C [%]	0.732	0.688	0.650
CO3 (HCl) as %CO3 [%]	3.19	3.08	2.89

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.

Method Descriptions

Parameter	SGS Method Code	CALA	PALA
		N	N
	ME-CA-[ENV]ARD-LAK-AN-001/003	N	N
	NA	N	N
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003	Y	Y
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019	Y	N
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019	Y	Y
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020	Y	N
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003	N	Y
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005	Y	N

Accreditation Descriptions

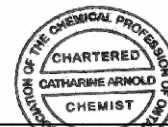
CALA:

SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at <https://directory.cala.ca/#>. Analytes and SGS Method Codes marked with a "Y" in the "CALA" column in the table denote ISO/IEC17025 accreditation

PALA:

SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a "Y" in the "PALA" column in the table denote ISO/IEC17025:2005 accreditation

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



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: ECS0017-JAN25													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0021-JAN25													
Carbon (total)	0.005	%	<0.005			0	20				101	70	130
Sulphur (total)	0.005	%	<0.005			0	20				104	70	130
Carbon/Sulphur - QCBatchID: ECS0024-JAN25													
Sulphide	0.04	%	< 0.01			3	20	113	80	120			

22-January-2025

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 24 December 2024
LR Report: CA19500-DEC24
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: TIR01C-1002M S35-ARDG-00 1537-Kwa-s	6: TIR01C-1002M S35-ARDG-00 1538-Kwa-s	7: TIR01C-1002M S35-ARDG-00 1539-Kwa-s	8: TIR01C-1002M S35-ARDG-00 1540-Kwa-s	9: TIR01C-1002M S35-ARDG-00 1541-Kwa-s	10: TIR01C-1002M S35-ARDG-00 1542-Kwa-s
Sample Date & Time					11-Dec-24	11-Dec-24	11-Dec-24	11-Dec-24	11-Dec-24	11-Dec-24
Ag [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	76000	83000	85000	73000	73000	82000
As [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	39	83	63	64	66	83
Ba [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	2600	2100	760	750	820	860
Be [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	2.1	1.7	1.4	1.3	1.3	1.4
Bi [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	0.40	0.21	0.23	0.23	0.16	0.31
Ca [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	18000	13000	13000	13000	10000	9800
Cd [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	0.11	0.11	0.10	0.11	0.24	0.07
Co [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	22	23	21	21	21	22
Cr [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	66	67	75	92	100	84
Cu [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	56	34	50	50	47	44
Fe [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	40000	59000	43000	40000	43000	47000
K [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	19000	21000	20000	19000	21000	23000
Li [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	42	56	43	40	45	50
Mg [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	15000	19000	16000	15000	16000	18000



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO# 1254179
LR Report : CA19500-DEC24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-1002M S35-ARDG-00 1537-Kwa-s	6: TIR01C-1002M S35-ARDG-00 1538-Kwa-s	7: TIR01C-1002M S35-ARDG-00 1539-Kwa-s	8: TIR01C-1002M S35-ARDG-00 1540-Kwa-s	9: TIR01C-1002M S35-ARDG-00 1541-Kwa-s	10: TIR01C-1002M S35-ARDG-00 1542-Kwa-s
Mn [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	430	390	390	390	340	340
Mo [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	1.6	2.2	1.9	2.0	1.8	2.0
Ni [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	67	79	73	70	73	80
P [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	1100	610	490	460	490	480
Pb [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	69	21	13	13	16	16
Sb [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	0.3	0.1	0.2	0.2	0.1	0.2
Sn [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	620	390	330	320	280	290
Ti [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	2600	3900	1200	1200	1300	2000
Tl [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	0.55	0.54	0.50	0.49	0.53	0.59
U [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	1.75	1.69	1.79	1.69	1.82	1.84
V [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	88	120	99	89	98	110
Y [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	10.4	7.50	6.87	5.72	5.26	5.99
Zn [µg/g]	17-Jan-25	18:01	17-Jan-25	13:10	79	83	82	78	95	94

Analysis	11: TIR01C-1002M S35-ARDG-001 543-Mv	12: TIR01C-1002M S35-ARDG-001 544-Mv	13: TIR01C-1002M S35-ARDG-001 545-Mv	14: TIR01C-1002M S35-ARDG-001 546-Mv	15: TIR01C-1002M S35-ARDG-001 547-Mv	16: TIR01C-1002M S35-ARDG-001 548-Mv	17: TIR01C-1002M S35-ARDG-001 549-Mv
Sample Date & Time	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	65000	64000	62000	66000	66000	70000	68000
As [µg/g]	8.4	43	39	28	49	40	39
Ba [µg/g]	220	490	500	350	1500	1500	1400
Be [µg/g]	0.38	0.45	0.46	0.41	0.72	0.95	0.97
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	92000	79000	83000	86000	96000	88000	89000
Cd [µg/g]	0.13	0.09	0.09	0.12	0.12	0.18	0.22

Analysis	11: TIR01C-1002M S35-ARDG-001 543-Mv	12: TIR01C-1002M S35-ARDG-001 544-Mv	13: TIR01C-1002M S35-ARDG-001 545-Mv	14: TIR01C-1002M S35-ARDG-001 546-Mv	15: TIR01C-1002M S35-ARDG-001 547-Mv	16: TIR01C-1002M S35-ARDG-001 548-Mv	17: TIR01C-1002M S35-ARDG-001 549-Mv
Co [µg/g]	48	45	44	48	45	43	42
Cr [µg/g]	120	100	83	96	89	110	92
Cu [µg/g]	110	98	92	120	120	93	89
Fe [µg/g]	83000	81000	81000	77000	76000	77000	77000
K [µg/g]	880	5000	5500	4900	9500	10000	9700
Li [µg/g]	64	61	60	51	56	54	55
Mg [µg/g]	30000	36000	35000	27000	26000	25000	25000
Mn [µg/g]	1800	1500	1500	1700	1800	1600	1600
Mo [µg/g]	0.3	0.7	0.3	0.6	0.3	0.5	0.4
Ni [µg/g]	130	120	120	120	130	110	110
P [µg/g]	390	200	180	190	570	490	580
Pb [µg/g]	8	10	10	7	9	14	14
Sb [µg/g]	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.4	0.3	0.3	0.4	0.4	0.4	0.3
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	200	240	250	240	270	300	310
Ti [µg/g]	3900	2000	2100	3000	2800	2700	2700
Tl [µg/g]	0.05	0.24	0.25	0.26	0.46	0.57	0.54
U [µg/g]	0.13	0.074	0.064	0.049	0.13	0.22	0.23
V [µg/g]	220	210	210	220	210	210	210
Y [µg/g]	16.3	6.54	6.65	7.52	11.9	12.5	12.7
Zn [µg/g]	81	83	82	79	82	92	94

Bulk Metals Suite

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007



SGS Canada Inc.

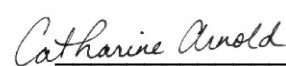
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Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: Waste Rock OP TIR01
Project : PO# 1254179
LR Report : CA19500-DEC24

Parameter	SGS Method Code
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013



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

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: EMS0129-JAN25													
Calcium	3	µg/g	<3			1		94			96		
Phosphorus	3	µg/g	<3			3		93			97		
Potassium	3	µg/g	<3			0		90			96		
Metals - Microwave/ICP-MS - QCBatchID: EMS0129-JAN25													
Aluminum	3	µg/g	<3			0	20	95	70	130	95	70	130
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130	107	70	130
Arsenic	0.5	µg/g	<0.5			ND	20	106	70	130	93	70	130
Barium	0.01	µg/g	<0.01			1	20	105	70	130	97	70	130
Beryllium	0.02	µg/g	<0.02			2	20	96	70	130	90	70	130
Bismuth	0.09	µg/g	<0.09			6	20	99	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			6	20	110	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			0	20	97	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			10	20	101	70	130	89	70	130
Copper	0.1	µg/g	<0.1			1	20	104	70	130	97	70	130
Iron	3	µg/g	<3			0	20	99	70	130	103	70	130
Lead	0.05	µg/g	<0.05			6	20	106	70	130	104	70	130
Lithium	2	µg/g	<2			1	20	99	70	130	108	70	130
Magnesium	3	µg/g	<3			1	20	93	70	130	106	70	130
Manganese	0.1	µg/g	<0.1			1	20	101	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	106	70	130	101	70	130
Nickel	0.1	µg/g	<0.1			1	20	102	70	130	105	70	130
Selenium	0.1	µg/g	<0.1			4	20	108	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	108	70	130	100	70	130
Thallium	0.02	µg/g	<0.02			1	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	99	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			1	20	102	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	101	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			1	20	105	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	106	70	130	93	70	130

24-January-2025

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
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Phone: (819) 759-3555
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Date Rec. : 24 December 2024
LR Report: CA19501-DEC24
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: TIR01C-1002MS 35-ARDG-00153 7-Kwa-s	6: TIR01C-1002MS 35-ARDG-00153 8-Kwa-s	7: TIR01C-1002MS 35-ARDG-00153 9-Kwa-s	8: TIR01C-1002MS 35-ARDG-00154 0-Kwa-s	9: TIR01C-1002MS 35-ARDG-00154 1-Kwa-s	10: TIR01C-1002MS 35-ARDG-00154 2-Kwa-s
Sample Date & Time					11-Dec-24	11-Dec-24	11-Dec-24	11-Dec-24	11-Dec-24	11-Dec-24
Sample weight [g]	07-Jan-25	13:54	09-Jan-25	08:52	251	252	250	250	251	250
Volume D.I. Water [mL]	08-Jan-25	06:52	09-Jan-25	08:52	750	750	750	750	750	750
pH [no unit]	09-Jan-25	06:07	09-Jan-25	08:52	8.97	9.20	9.37	9.47	9.43	9.25
pH [No unit]	09-Jan-25	15:00	10-Jan-25	09:41	7.99	8.10	8.56	8.62	8.55	8.64
Conductivity [uS/cm]	09-Jan-25	15:00	10-Jan-25	09:41	275	225	197	194	208	213
Alkalinity [mg/L as CaCO3]	09-Jan-25	15:00	10-Jan-25	09:41	52	54	61	61	57	60
SO4 [mg/L]	10-Jan-25	09:38	10-Jan-25	13:53	62	18	16	15	12	18
Hg (diss) [mg/L]	13-Jan-25	12:02	13-Jan-25	12:09	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.513	0.598	0.521	0.513	0.477	0.627
As (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.0342	0.132	0.110	0.111	0.254	0.0755
Ba (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.0226	0.00752	0.00290	0.00283	0.00311	0.00306
B (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.011	0.012	0.037	0.035	0.042	0.044
Be (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	14.3	8.67	5.90	5.90	6.70	5.77

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-1002MS 35-ARDG-00153 7-Kwa-s	6: TIR01C-1002MS 35-ARDG-00153 8-Kwa-s	7: TIR01C-1002MS 35-ARDG-00153 9-Kwa-s	8: TIR01C-1002MS 35-ARDG-00154 0-Kwa-s	9: TIR01C-1002MS 35-ARDG-00154 1-Kwa-s	10: TIR01C-1002MS 35-ARDG-00154 2-Kwa-s
Cd (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.000003	0.000003	< 0.000003	0.000003	0.000012	< 0.000003
Co (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.000016	0.000008	0.000047	0.000153	0.000035	0.000084
Cr (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.00008	< 0.00008	0.00025	0.00042	0.00016	0.00032
Cu (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001
Fe (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.007	< 0.007	0.025	0.037	0.029	0.052
K (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	19.7	17.1	16.9	16.0	17.4	18.1
Li (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.0021	0.0010	0.0012	0.0012	0.0014	0.0030
Mg (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	5.86	2.92	1.78	1.86	2.09	1.70
Mn (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.00312	0.00148	0.00035	0.00040	0.00053	0.00041
Mo (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.0061	0.0060	0.0035	0.0035	0.0127	0.0033
Na (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	16.7	20.0	20.8	21.1	21.1	23.0
Ni (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.0001	0.0001	0.0001	0.0002	0.0004	0.0002
Pb (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.00009	< 0.00009	< 0.00009	0.00009	0.00015	0.00017
Sb (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.0046	0.0037	0.0061	0.0061	0.0069	0.0065
Se (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.00085	0.00019	0.00027	0.00024	0.00017	0.00026
Si (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	1.45	1.34	1.81	1.89	1.70	1.79
Sn (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.00006	< 0.00006	< 0.00006	0.00025	0.00010	< 0.00006
Sr (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.151	0.06900	0.02818	0.02976	0.03142	0.02729
Ti (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.0001	0.0002	0.0017	0.0016	0.0016	0.0032
Tl (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.000010	0.000010	0.000005	< 0.000005	< 0.000005	0.000005
U (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.000531	0.000078	0.000315	0.000303	0.000339	0.000216
V (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.00118	0.00179	0.00347	0.00379	0.00325	0.00342
W (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	0.00339	0.00192	0.00349	0.00324	0.00220	0.00224
Y (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.00002	< 0.00002	0.00006	0.00004	0.00004	0.00008
Zn (diss) [mg/L]	10-Jan-25	14:10	13-Jan-25	11:14	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: TIR01C-1002MS 35-ARDG-00154 3-Mv	12: TIR01C-1002MS 35-ARDG-00154 4-Mv	13: TIR01C-1002MS 35-ARDG-00154 5-Mv	14: TIR01C-1002MS 35-ARDG-00154 6-Mv	15: TIR01C-1002MS 35-ARDG-00154 7-Mv	16: TIR01C-1002MS 35-ARDG-00154 8-Mv	17: TIR01C-1002MS 35-ARDG-00154 9-Mv	18: TIR01C-1002MS 35-ARDG-00154 9-Mv	19:BLK: D.I. Leachate Blank
Sample Date & Time	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24		

Analysis	11: TIR01C-1002MS 35-ARDG-00154 3-Mv	12: TIR01C-1002MS 35-ARDG-00154 4-Mv	13: TIR01C-1002MS 35-ARDG-00154 5-Mv	14: TIR01C-1002MS 35-ARDG-00154 6-Mv	15: TIR01C-1002MS 35-ARDG-00154 7-Mv	16: TIR01C-1002MS 35-ARDG-00154 8-Mv	17: TIR01C-1002MS 35-ARDG-00154 9-Mv	18: TIR01C-1002MS 35-ARDG-00154 9-Mv	19:BLK: D.I. Leachate Blank
Sample weight [g]	250	251	250	250	250	250	251	251	< 0.001
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750
pH [no unit]	9.11	8.91	8.84	8.82	8.93	8.84	8.73	8.76	5.61
pH [No unit]	7.67	7.88	7.97	7.86	7.90	7.90	7.76	7.80	6.44
Conductivity [uS/cm]	150	189	182	190	188	252	247	253	4
Alkalinity [mg/L as CaCO3]	37	62	61	61	45	62	58	61	2
SO4 [mg/L]	20	12	11	20	13	44	45	46	< 2
Hg (diss) [mg/L]	< 0.00001	< 0.00001	< 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	< 0.00005	< 0.00005
Al (diss) [mg/L]	0.544	0.342	0.400	0.432	0.583	0.396	0.392	0.386	< 0.001
As (diss) [mg/L]	0.0017	0.0063	0.0073	0.0027	0.0075	0.0050	0.0047	0.0049	< 0.0002
Ba (diss) [mg/L]	0.0172	0.00609	0.00633	0.00420	0.00755	0.00872	0.00872	0.00890	0.00016
B (diss) [mg/L]	0.005	0.005	0.005	0.005	0.008	0.009	0.009	0.009	< 0.002
Be (diss) [mg/L]	< 0.000007	< 0.000007	< 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	< 0.00001	< 0.00001
Ca (diss) [mg/L]	11.5	11.2	11.3	12.4	10.6	15.2	15.4	15.6	0.07
Cd (diss) [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co (diss) [mg/L]	< 0.000004	0.000010	0.000006	0.000010	< 0.000004	0.000018	0.000006	0.000009	0.000105
Cr (diss) [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	0.001	< 0.001	0.001	< 0.001	0.003	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.014
K (diss) [mg/L]	0.976	6.42	6.27	5.32	8.98	9.33	9.43	9.32	< 0.009
Li (diss) [mg/L]	0.0007	0.0010	0.0011	0.0013	0.0006	0.0015	0.0014	0.0015	< 0.0001
Mg (diss) [mg/L]	2.52	6.54	5.99	6.30	2.60	7.44	7.54	7.66	0.004
Mn (diss) [mg/L]	0.00386	0.00264	0.00303	0.00357	0.00196	0.00402	0.00365	0.00367	0.00088
Mo (diss) [mg/L]	0.0018	0.0018	0.0016	0.0029	0.0019	0.0025	0.0026	0.0023	< 0.0004
Na (diss) [mg/L]	13.0	12.5	11.7	12.3	15.5	16.5	16.6	16.3	< 0.01
Ni (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 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	< 0.00009	0.00010	< 0.00009
Sb (diss) [mg/L]	0.0035	< 0.0009	< 0.0009	< 0.0009	< 0.0009	0.0009	0.0010	0.0010	< 0.0009
Se (diss) [mg/L]	0.00024	0.00038	0.00035	0.00056	0.00043	0.00116	0.00124	0.00128	< 0.00004
Si (diss) [mg/L]	1.05	1.04	1.00	1.03	0.86	1.02	1.04	1.05	< 0.02

Analysis	11: TIR01C-1002MS 35-ARDG-00154 3-Mv	12: TIR01C-1002MS 35-ARDG-00154 4-Mv	13: TIR01C-1002MS 35-ARDG-00154 5-Mv	14: TIR01C-1002MS 35-ARDG-00154 6-Mv	15: TIR01C-1002MS 35-ARDG-00154 7-Mv	16: TIR01C-1002MS 35-ARDG-00154 8-Mv	17: TIR01C-1002MS 35-ARDG-00154 9-Mv	18: TIR01C-1002MS 35-ARDG-00154 9-Mv	19:BLK: D.I. Leachate Blank
Sn (diss) [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.05056	0.05500	0.05861	0.04407	0.06117	0.07369	0.07268	0.07553	0.00009
Ti (diss) [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	< 0.000005	0.000009	0.000006	0.000007	0.000009	0.000009	0.000010	0.000011	< 0.000005
U (diss) [mg/L]	0.000003	0.000004	0.000007	0.000004	0.000008	0.000022	0.000027	0.000024	< 0.000002
V (diss) [mg/L]	0.00129	0.00066	0.00068	0.00064	0.00076	0.00050	0.00049	0.00046	< 0.00001
W (diss) [mg/L]	0.00269	0.00162	0.00185	0.00187	0.00102	0.00113	0.00116	0.00110	< 0.0002
Y (diss) [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [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

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

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



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: EWL0147-JAN25													
Alkalinity	2	mg/L as Ca	< 2			1	20	100	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8011-JAN25													
Sulphate	2	mg/L	<2			ND	20	104	80	120	102	75	125
Conductivity - QCBatchID: EWL0147-JAN25													
Conductivity	2	uS/cm	< 2			2	20	99	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0021-JAN25													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	93	80	120	122	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0086-JAN25													
Aluminum (dissolved)	0.001	mg/L	<0.001			ND	20	103	90	110	109	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	99	90	110	95	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			ND	20	103	90	110	100	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			ND	20	104	90	110	93	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			ND	20	97	90	110	91	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	100	90	110	96	70	130
Boron (dissolved)	0.002	mg/L	<0.002			ND	20	103	90	110	97	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			ND	20	103	90	110	98	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	102	90	110	95	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			ND	20	103	90	110	97	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			14	20	101	90	110	93	70	130
Copper (dissolved)	0.001	mg/L	<0.001			ND	20	105	90	110	104	70	130
Iron (dissolved)	0.007	mg/L	<0.007			0	20	102	90	110	75	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			ND	20	101	90	110	91	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			ND	20	102	90	110	96	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			ND	20	109	90	110	99	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			9	20	105	90	110	97	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			ND	20	104	90	110	94	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			ND	20	106	90	110	102	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			ND	20	109	90	110	104	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			ND	20	97	90	110	103	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			ND	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	95	90	110	96	70	130
Sodium (dissolved)	0.01	mg/L	<0.01			ND	20	103	90	110	97	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	104	90	110	99	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			ND	20	98	90	110	87	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			ND	20	101	90	110	NV	70	130

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)	0.0001	mg/L	<0.0001			ND	20	106	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	110	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			ND	20	100	90	110	91	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			ND	20	104	90	110	103	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			ND	20	103	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			ND	20	101	90	110	123	70	130
pH - QCBatchID: EWL0147-JAN25													
pH	0.05	No unit	NA			0		100			NA		

24-January-2025

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

Date Rec. : 24 December 2024
LR Report: CA19498-DEC24
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 Time	5: TIR01C-10025M 50-Kwa-s	6: TIR01C-10025M 51-Kwa-s	7: TIR01C-10025M 52-Kwa-s	8: TIR01C-10025M 53-Kwa-s	9: TIR01C-10025M 54-Kwa-s	10: TIR01C-10025M 55-Kwa-s
Sample Date & Time					14-Dec-24	14-Dec-24	14-Dec-24	14-Dec-24	14-Dec-24	14-Dec-24
Sample weight [g]	07-Jan-25	06:19	09-Jan-25	09:05	250	251	250	250	251	250
Volume D.I. Water [mL]	07-Jan-25	06:41	09-Jan-25	09:05	750	750	750	750	750	750
pH [no unit]	08-Jan-25	06:10	09-Jan-25	09:05	9.36	9.12	9.11	9.26	8.93	9.03
pH [No unit]	08-Jan-25	15:00	10-Jan-25	09:48	8.68	8.15	8.51	8.36	7.86	7.98
Conductivity [uS/cm]	08-Jan-25	15:00	09-Jan-25	12:06	193	212	196	229	269	245
Alkalinity [mg/L as CaCO3]	08-Jan-25	15:00	09-Jan-25	12:06	66	58	59	60	50	54
SO4 [mg/L]	08-Jan-25	12:48	08-Jan-25	13:09	6	15	17	17	59	45
Hg (diss) [mg/L]	10-Jan-25	11:37	10-Jan-25	11:56	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.516	0.667	0.511	0.602	0.473	0.549
As (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.0700	0.0580	0.0556	0.0718	0.0080	0.0695
Ba (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.00187	0.00343	0.00735	0.00214	0.00410	0.00266
B (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.033	0.010	0.033	0.010	0.010	0.009
Be (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	5.59	8.99	7.90	7.94	12.7	10.5

Analysis	1: Analysis Start Date	2: Analysis Start Time/Completed	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025M S38-ARDG-0015 50-Kwa-s	6: TIR01C-10025M S38-ARDG-0015 51-Kwa-s	7: TIR01C-10025M S38-ARDG-0015 52-Kwa-s	8: TIR01C-10025M S38-ARDG-0015 53-Kwa-s	9: TIR01C-10025M S38-ARDG-0015 54-Kwa-s	10: TIR01C-10025M S38-ARDG-0015 55-Kwa-s
Cd (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.000005	0.000010	0.000007	0.000004	0.000006	< 0.000003
Co (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.000031	0.000030	0.000025	0.000016	0.000022	0.000039
Cr (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.014	< 0.007	0.008	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	16.5	15.1	14.5	21.3	18.9	20.0
Li (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.0011	0.0015	0.0148	0.0008	0.0013	0.0011
Mg (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	1.57	3.03	2.16	2.61	5.19	3.80
Mn (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.00038	0.00144	0.00041	0.00078	0.00271	0.00165
Mo (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.0090	0.0198	0.0111	0.0092	0.0142	0.0036
Na (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	19.1	16.5	17.2	18.2	17.7	15.7
Ni (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.0001	0.0002	0.0001	< 0.0001	< 0.0001	< 0.0001
Pb (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.00016	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.0066	0.0040	0.0073	0.0053	0.0022	0.0048
Se (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.00089	0.00072	0.00365	0.00037	0.00061	0.00081
Si (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	1.74	1.71	1.54	1.59	1.65	1.64
Sn (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	10-Jan-25	02:58	13-Jan-25	11:15	0.0246	0.0486	0.0414	0.0394	0.0663	0.0539
Ti (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.0008	0.0002	0.0008	< 0.0001	< 0.0001	< 0.0001
Tl (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	< 0.000005	< 0.000005	0.000005	0.000006	0.000011	0.000011
U (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.000128	0.000414	0.000147	0.000053	0.000315	0.000199
V (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.00262	0.00214	0.00221	0.00193	0.00112	0.00169
W (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.0016	0.0034	0.0021	0.0026	0.0052	0.0029
Y (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	0.00004	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn (diss) [mg/L]	10-Jan-25	02:58	10-Jan-25	11:56	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11: TIR01C-10025M S38-ARDG-0015 56-Kwa-s	12: TIR01C-10025M S38-ARDG-0015 57-Kwa-s	13: TIR01C-10025M S38-ARDG-0015 58-Kwa-s	14: TIR01C-10025M S38-ARDG-0015 58-Kwa-s	15:BLK: SD.I. Leachate Blank
Sample Date & Time	14-Dec-24	14-Dec-24	14-Dec-24		



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO#1254179
LR Report : CA19498-DEC24

Analysis	11: TIR01C-10025M S38-ARDG-0015 56-Kwa-s	12: TIR01C-10025M S38-ARDG-0015 57-Kwa-s	13: TIR01C-10025M S38-ARDG-0015 58-Kwa-s	14: TIR01C-10025M S38-ARDG-0015 58-Kwa-s	15:BLK: D.I. Leachate Blank
Sample weight [g]	250	250	250	250	< 0.001
Volume D.I. Water [mL]	750	750	750	750	750
pH [no unit]	9.35	9.17	9.17	9.19	5.62
pH [No unit]	8.64	7.81	8.03	7.97	6.23
Conductivity [uS/cm]	216	240	236	243	2
Alkalinity [mg/L as CaCO3]	61	55	52	45	< 2
SO4 [mg/L]	24	33	34	34	< 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]	0.464	0.463	0.588	0.602	0.001
As (diss) [mg/L]	0.0973	0.117	0.114	0.115	< 0.0002
Ba (diss) [mg/L]	0.00262	0.00331	0.00297	0.00286	0.00012
B (diss) [mg/L]	0.030	0.029	0.012	0.012	< 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]	6.92	9.80	10.1	10.1	0.02
Cd (diss) [mg/L]	0.000030	0.000012	0.000007	0.000005	0.000003
Co (diss) [mg/L]	0.000027	0.000043	0.000031	0.000034	0.000004
Cr (diss) [mg/L]	< 0.00008	0.00009	< 0.00008	< 0.00008	< 0.00008
Cu (diss) [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Fe (diss) [mg/L]	0.009	0.016	< 0.007	< 0.007	< 0.007
K (diss) [mg/L]	21.4	16.4	16.9	17.0	0.017
Li (diss) [mg/L]	0.0008	0.0013	0.0012	0.0011	< 0.0001
Mg (diss) [mg/L]	2.22	3.16	3.30	3.19	0.004
Mn (diss) [mg/L]	0.00071	0.00065	0.00166	0.00152	0.00025
Mo (diss) [mg/L]	0.0028	0.0144	0.0146	0.0156	< 0.0004
Na (diss) [mg/L]	17.6	21.2	17.5	17.5	< 0.01
Ni (diss) [mg/L]	< 0.0001	0.0002	0.0002	0.0002	< 0.0001
Pb (diss) [mg/L]	0.00099	0.00016	< 0.00009	< 0.00009	< 0.00009
Sb (diss) [mg/L]	0.0048	0.0054	0.0053	0.0052	< 0.0009
Se (diss) [mg/L]	0.00051	0.00052	0.00054	0.00054	< 0.00004
Si (diss) [mg/L]	1.69	1.76	1.54	1.56	< 0.02

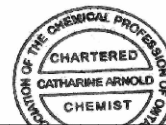
Analysis	11: TIR01C-10025M S38-ARDG-0015 56-Kwa-s	12: TIR01C-10025M S38-ARDG-0015 57-Kwa-s	13: TIR01C-10025M S38-ARDG-0015 58-Kwa-s	14: TIR01C-10025M S38-ARDG-0015 58-Kwa-s	15:BLK: SD.I. Leachate Blank
Sn (diss) [mg/L]	0.00018	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr (diss) [mg/L]	0.0357	0.0506	0.0527	0.0530	< 0.00008
Ti (diss) [mg/L]	0.0006	0.0014	0.0001	0.0001	< 0.0001
Tl (diss) [mg/L]	0.000005	0.000007	0.000007	0.000006	< 0.000005
U (diss) [mg/L]	0.000144	0.000244	0.000278	0.000229	< 0.000002
V (diss) [mg/L]	0.00249	0.00192	0.00170	0.00172	< 0.00001
W (diss) [mg/L]	0.0033	0.0022	0.0023	0.0022	< 0.0002
Y (diss) [mg/L]	< 0.00002	0.00007	< 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

Method Descriptions

Parameter	SGS Method Code
	NA
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006
Anions by discrete analyzer	ME-CA-[ENV]EWL-LAK-AN-026
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006
pH	ME-CA-[ENV]EWL-LAK-AN-006

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



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: EWL0110-JAN25													
Alkalinity	2	mg/L as Ca	< 2			4	20	96	80	120	NA		
Alkalinity - QCBatchID: EWL0116-JAN25													
Alkalinity	2	mg/L as Ca	< 2			1	20	106	80	120	NA		
Anions by discrete analyzer - QCBatchID: DIO8008-JAN25													
Sulphate	2	mg/L	<2			ND	20	103	80	120	102	75	125
Conductivity - QCBatchID: EWL0110-JAN25													
Conductivity	2	uS/cm	< 2			1	20	101	90	110	NA		
Conductivity - QCBatchID: EWL0116-JAN25													
Conductivity	2	uS/cm	< 2			1	20	97	90	110	NA		
Mercury by CVAAS - QCBatchID: EHG0015-JAN25													
Mercury (dissolved)	0.00001	mg/L	< 0.00001			ND	20	91	80	120	126	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0074-JAN25													
Aluminum (dissolved)	0.001	mg/L	<0.001			7	20	104	90	110	121	70	130
Antimony (dissolved)	0.0009	mg/L	<0.0009			ND	20	104	90	110	111	70	130
Arsenic (dissolved)	0.0002	mg/L	<0.0002			3	20	103	90	110	109	70	130
Barium (dissolved)	0.00008	mg/L	<0.00008			3	20	103	90	110	94	70	130
Beryllium (dissolved)	0.000007	mg/L	<0.000007			13	20	106	90	110	90	70	130
Bismuth (dissolved)	0.00001	mg/L	<0.00001			ND	20	102	90	110	95	70	130
Boron (dissolved)	0.002	mg/L	<0.002			4	20	102	90	110	98	70	130
Cadmium (dissolved)	0.000003	mg/L	<0.000003			1	20	103	90	110	95	70	130
Calcium (dissolved)	0.01	mg/L	<0.01			2	20	104	90	110	88	70	130
Chromium (dissolved)	0.00008	mg/L	<0.00008			19	20	105	90	110	111	70	130
Cobalt (dissolved)	0.000004	mg/L	<0.000004			ND	20	102	90	110	95	70	130
Copper (dissolved)	0.001	mg/L	<0.001			4	20	102	90	110	108	70	130
Iron (dissolved)	0.007	mg/L	<0.007			6	20	107	90	110	100	70	130
Lead (dissolved)	0.00009	mg/L	<0.00009			3	20	105	90	110	97	70	130
Lithium (dissolved)	0.0001	mg/L	<0.0001			2	20	107	90	110	85	70	130
Magnesium (dissolved)	0.001	mg/L	<0.001			5	20	103	90	110	84	70	130
Manganese (dissolved)	0.00001	mg/L	<0.00001			5	20	106	90	110	103	70	130
Molybdenum (dissolved)	0.0004	mg/L	<0.0004			2	20	102	90	110	109	70	130
Nickel (dissolved)	0.0001	mg/L	<0.0001			2	20	105	90	110	85	70	130
Potassium (dissolved)	0.009	mg/L	<0.009			3	20	105	90	110	90	70	130
Selenium (dissolved)	0.00004	mg/L	<0.00004			2	20	103	90	110	85	70	130
Silicon (dissolved)	0.02	mg/L	<0.02			0	20	97	90	110	NV	70	130
Silver (dissolved)	0.00005	mg/L	<0.00005			ND	20	102	90	110	86	70	130

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
Sodium (dissolved)	0.01	mg/L	<0.01			5	20	106	90	110	130	70	130
Strontium (dissolved)	0.00008	mg/L	<0.00008			2	20	99	90	110	85	70	130
Thallium (dissolved)	0.000005	mg/L	<0.000005			0	20	106	90	110	100	70	130
Tin (dissolved)	0.00006	mg/L	<0.00006			15	20	97	90	110	NV	70	130
Titanium (dissolved)	0.0001	mg/L	<0.0001			16	20	104	90	110	NV	70	130
Tungsten (dissolved)	0.0002	mg/L	<0.0002			ND	20	96	90	110	NV	70	130
Uranium (dissolved)	0.000002	mg/L	<0.000002			0	20	102	90	110	116	70	130
Vanadium (dissolved)	0.00001	mg/L	<0.00001			6	20	106	90	110	123	70	130
Yttrium (dissolved)	0.00002	mg/L	<0.00002			3	20	102	90	110	NV	70	130
Zinc (dissolved)	0.002	mg/L	<0.002			1	20	104	90	110	78	70	130
Metals in aqueous samples - ICP-MS - QCBatchID: EMS0086-JAN25													
Strontium (dissolved)	0.00008	mg/L	<0.00008			1	20	104	90	110	99	70	130
pH - QCBatchID: EWL0110-JAN25													
pH	0.05	No unit	NA			1		98			NA		
pH - QCBatchID: EWL0116-JAN25													
pH	0.05	No unit	NA			1		100			NA		

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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, Nunavut
X0C 0A0, Canada

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

12-January-2025

Date Rec. : 24 December 2024
LR Report: CA19499-DEC24
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: TIR01C-1002M S35-ARDG-00 1537-Kwa-s	6: TIR01C-1002M S35-ARDG-00 1538-Kwa-s	7: TIR01C-1002M S35-ARDG-00 1539-Kwa-s	8: TIR01C-1002M S35-ARDG-00 1540-Kwa-s	9: TIR01C-1002M S35-ARDG-00 1541-Kwa-s	10: TIR01C-1002M S35-ARDG-00 1542-Kwa-s
Sample Date & Time					11-Dec-24	11-Dec-24	11-Dec-24	11-Dec-24	11-Dec-24	11-Dec-24
Paste pH [no unit]	07-Jan-25	19:02	09-Jan-25	08:57	8.85	8.96	9.11	9.02	9.07	9.15
Fizz Rate [rating]	07-Jan-25	14:43	09-Jan-25	08:57	4	4	4	4	4	4
Sample weight [g]	07-Jan-25	14:00	10-Jan-25	10:01	2.02	2.02	2.05	2.01	2.03	2.04
HCl_add [mL]	08-Jan-25	13:49	10-Jan-25	10:01	50.10	40.00	40.00	40.00	40.00	27.40
HCl [Normality]	07-Jan-25	14:44	10-Jan-25	10:01	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	07-Jan-25	15:33	10-Jan-25	10:01	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	08-Jan-25	16:11	10-Jan-25	10:01	25.88	22.50	23.45	21.80	25.56	15.15
Final pH [no unit]	08-Jan-25	15:32	10-Jan-25	10:01	1.55	1.61	1.55	1.60	1.51	1.77
NP [t CaCO3/1000 t]	08-Jan-25	18:59	10-Jan-25	10:01	60.0	43.3	40.4	45.3	35.6	30.0
AP [t CaCO3/1000 t]	10-Jan-25	11:21	10-Jan-25	11:21	8.78	1.31	4.84	4.66	4.28	3.75
Net NP [t CaCO3/1000 t]	10-Jan-25	11:21	10-Jan-25	11:21	51.2	42.0	35.6	40.6	31.3	26.2
NP/AP [ratio]	10-Jan-25	11:21	10-Jan-25	11:21	6.83	33.0	8.34	9.73	8.32	8.00
S [%]	09-Jan-25	11:35	10-Jan-25	11:21	0.427	0.062	0.205	0.220	0.219	0.182
Acid Leachable SO4-S [%]	10-Jan-25	11:21	10-Jan-25	11:21	0.15	< 0.04	0.05	0.07	0.08	0.06
Sulphide [%]	10-Jan-25	10:47	10-Jan-25	11:21	0.28	0.04	0.16	0.15	0.14	0.12

Online LIMS

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Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-1002M S35-ARDG-00 1537-Kwa-s	6: TIR01C-1002M S35-ARDG-00 1538-Kwa-s	7: TIR01C-1002M S35-ARDG-00 1539-Kwa-s	8: TIR01C-1002M S35-ARDG-00 1540-Kwa-s	9: TIR01C-1002M S35-ARDG-00 1541-Kwa-s	10: TIR01C-1002M S35-ARDG-00 1542-Kwa-s
C [%]	09-Jan-25	11:35	10-Jan-25	11:21	0.881	0.674	0.627	0.733	0.585	0.483
CO3 (HCl) as %CO3 [%]	10-Jan-25	13:26	10-Jan-25	14:24	3.86	2.78	2.45	2.88	2.26	1.91

Analysis	11: TIR01C-1002M S35-ARDG-001 543-Mv	12: TIR01C-1002M S35-ARDG-001 544-Mv	13: TIR01C-1002M S35-ARDG-001 545-Mv	14: TIR01C-1002M S35-ARDG-001 546-Mv	15: TIR01C-1002M S35-ARDG-001 547-Mv	16: TIR01C-1002M S35-ARDG-001 548-Mv	17: TIR01C-1002M S35-ARDG-001 549-Mv
Sample Date & Time	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24	12-Dec-24
Paste pH [no unit]	8.95	8.86	8.84	8.85	8.96	8.77	8.84
Fizz Rate [rating]	4	4	4	4	4	4	4
Sample weight [g]	2.01	2.05	2.05	2.00	2.02	2.02	2.03
HCl_add [mL]	160.00	180.00	175.00	180.00	140.00	180.00	180.00
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]	60.91	78.06	73.83	75.47	52.72	77.07	74.36
Final pH [no unit]	1.53	1.52	1.52	1.50	1.52	1.53	1.50
NP [t CaCO3/1000 t]	246	249	247	261	216	255	260
AP [t CaCO3/1000 t]	4.94	2.38	2.94	3.88	4.00	8.41	8.19
Net NP [t CaCO3/1000 t]	242	246	244	257	212	246	252
NP/AP [ratio]	49.9	105	84.0	67.4	54.0	30.3	31.8
S [%]	0.198	0.106	0.126	0.161	0.172	0.357	0.392
Acid Leachable SO4-S [%]	0.04	< 0.04	< 0.04	< 0.04	0.04	0.09	0.13
Sulphide [%]	0.16	0.08	0.09	0.12	0.13	0.27	0.26
C [%]	2.86	3.37	3.42	3.48	3.27	3.49	3.58
CO3 (HCl) as %CO3 [%]	13.8	16.6	16.8	17.0	16.1	17.2	17.6

ABA - Modified Sobek

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

Weight of Sample



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO# 1254179
LR Report : CA19499-DEC24

*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*Net NP (Net Neutralization Potential) = NP-AP

NP/AP Ratio = NP/AP

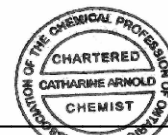
*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material

Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

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



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: ECS0017-JAN25													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0021-JAN25													
Carbon (total)	0.005	%	<0.005			0	20				101	70 130	
Sulphur (total)	0.005	%	<0.005			0	20				104	70 130	
Carbon/Sulphur - QCBatchID: ECS0024-JAN25													
Sulphide	0.04	%	< 0.01			3	20	113	80	120			

12-January-2025

Agnico Eagle Mines Limited

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Date Rec. : 24 December 2024
LR Report: CA19497-DEC24
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: TIR01C-10025 MS38-ARDG-0 01550-Kwa-s	6: TIR01C-10025 MS38-ARDG-0 01551-Kwa-s	7: TIR01C-10025 MS38-ARDG-0 01552-Kwa-s	8: TIR01C-10025 MS38-ARDG-0 01553-Kwa-s	9: TIR01C-10025 MS38-ARDG-0 01554-Kwa-s	10: TIR01C-10025 MS38-ARDG-0 01555-Kwa-s
Sample Date & Time					14-Dec-24	14-Dec-24	14-Dec-24	14-Dec-24	14-Dec-24	14-Dec-24
Ag [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	84000	70000	71000	86000	68000	77000
As [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	85	31	180	50	16	82
Ba [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	650	780	680	890	730	690
Be [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	1.3	1.2	1.4	1.5	1.3	1.4
Bi [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	0.19	0.14	0.32	0.37	0.17	0.18
Ca [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	12000	16000	12000	13000	16000	16000
Cd [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	0.13	0.12	0.11	0.14	0.13	0.13
Co [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	21	17	20	24	19	22
Cr [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	174	187	175	163	184	187
Cu [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	47	46	47	53	53	52
Fe [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	42000	31000	40000	45000	34000	41000
K [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	21000	14000	19000	23000	16000	18000
Li [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	46	27	44	50	32	48
Mg [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	16000	11000	13000	17000	11000	15000

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TIR01C-10025 MS38-ARDG-0 01550-Kwa-s	6: TIR01C-10025 MS38-ARDG-0 01551-Kwa-s	7: TIR01C-10025 MS38-ARDG-0 01552-Kwa-s	8: TIR01C-10025 MS38-ARDG-0 01553-Kwa-s	9: TIR01C-10025 MS38-ARDG-0 01554-Kwa-s	10: TIR01C-10025 MS38-ARDG-0 01555-Kwa-s
Mn [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	400	340	380	420	370	410
Mo [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	2.6	2.3	3.1	2.0	2.8	1.4
Ni [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	75	53	74	79	58	70
P [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	490	410	490	510	440	450
Pb [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	23	19	31	25	11	16
Sb [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	0.2	0.2	0.2	0.2	0.2	0.2
Sn [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	< 6	< 6	6	< 6	< 6	7
Sr [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	310	420	310	320	370	340
Ti [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	1100	1300	1300	1200	1800	1300
Tl [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	0.47	0.34	0.45	0.52	0.38	0.42
U [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	1.68	1.86	1.76	1.70	1.63	1.57
V [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	110	75	110	120	87	110
Y [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	8.28	7.44	6.31	8.05	7.87	7.53
Zn [µg/g]	08-Jan-25	14:02	10-Jan-25	08:36	87	69	84	93	69	84

Analysis	11: TIR01C-10025 MS38-ARDG-0 01556-Kwa-s	12: TIR01C-10025 MS38-ARDG-0 01557-Kwa-s	13: TIR01C-10025 MS38-ARDG-0 01558-Kwa-s
Sample Date & Time	14-Dec-24	14-Dec-24	14-Dec-24
Ag [µg/g]	< 0.5	< 0.5	< 0.5
Al [µg/g]	86000	77000	67000
As [µg/g]	180	120	130
Ba [µg/g]	910	710	670
Be [µg/g]	1.6	1.5	1.5
Bi [µg/g]	0.20	0.23	0.18
Ca [µg/g]	13000	14000	11000
Cd [µg/g]	0.11	0.13	0.11

Analysis	11: TIR01C-10025 MS38-ARDG-0 01556-Kwa-s	12: TIR01C-10025 MS38-ARDG-0 01557-Kwa-s	13: TIR01C-10025 MS38-ARDG-0 01558-Kwa-s
Co [µg/g]	23	20	19
Cr [µg/g]	177	184	175
Cu [µg/g]	44	46	44
Fe [µg/g]	45000	37000	36000
K [µg/g]	24000	18000	17000
Li [µg/g]	56	43	42
Mg [µg/g]	17000	14000	11000
Mn [µg/g]	380	380	340
Mo [µg/g]	2.0	2.4	2.8
Ni [µg/g]	82	66	67
P [µg/g]	490	450	450
Pb [µg/g]	13	31	27
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	0.2	0.2	0.1
Sn [µg/g]	< 6	71	< 6
Sr [µg/g]	330	360	320
Ti [µg/g]	1100	1200	1300
Tl [µg/g]	0.56	0.43	0.42
U [µg/g]	1.83	1.93	1.83
V [µg/g]	120	96	96
Y [µg/g]	7.54	7.53	6.69
Zn [µg/g]	93	79	76

Bulk Metals Suite

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007



SGS Canada Inc.

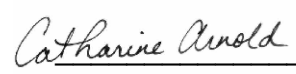
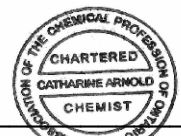
P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: Waste Rock OP TIR01
Project : PO# 1254179
LR Report : CA19497-DEC24

Parameter	SGS Method Code
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013



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

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: EMS0053-JAN25													
Calcium	3	µg/g	<3			2		102					
Phosphorus	3	µg/g	<3			16		100					
Potassium	3	µg/g	<3			5		102					
Metals - Microwave/ICP-MS - QCBatchID: EMS0053-JAN25													
Aluminum	3	µg/g	<3			1	20	104	70	130			
Antimony	0.8	µg/g	<0.8			ND	20	105	70	130			
Arsenic	0.5	µg/g	<0.5			2	20	98	70	130			
Barium	0.01	µg/g	<0.01			0	20	97	70	130			
Beryllium	0.02	µg/g	<0.02			17	20	95	70	130			
Bismuth	0.09	µg/g	<0.09			ND	20	99	70	130			
Cadmium	0.02	µg/g	<0.02			15	20	104	70	130			
Chromium	0.5	µg/g	<0.5			1	20	101	70	130			
Cobalt	0.01	µg/g	<0.01			0	20	98	70	130			
Copper	0.1	µg/g	<0.1			10	20	99	70	130			
Iron	3	µg/g	<3			19	20	102	70	130			
Lead	0.05	µg/g	<0.05			ND	20	98	70	130			
Lithium	2	µg/g	<2			2	20	96	70	130			
Magnesium	3	µg/g	<0.1			0	20	104	70	130			
Manganese	0.1	µg/g	<0.1			2	20	102	70	130			
Molybdenum	0.1	µg/g	<0.1			3	20	98	70	130			
Nickel	0.1	µg/g	<0.1			0	20	102	70	130			
Selenium	0.1	µg/g	<0.1			2	20	102	70	130			
Silver	0.5	µg/g	<0.01			ND	20	107	70	130			
Strontium	0.02	µg/g	<0.02			1	20	101	70	130			
Thallium	0.02	µg/g	<0.02			ND	20	NV	70	130			
Tin	6	µg/g	<6			ND	20	106	70	130			
Titanium	0.1	µg/g	<0.1			18	20	98	70	130			
Uranium	0.002	µg/g	<0.002			2	20	102	70	130			
Vanadium	1	µg/g	<1			5	20	99	70	130			
Yttrium	0.004	µg/g	<0.004			5	20	98	70	130			
Zinc	0.7	µg/g	<0.7			0	20	104	70	130			

APPENDIX C: FILTERED TAILINGS 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

Fax:(819) 759-3663

mel
Works #: TAILINGS-SOLID
Project : PO#1254179

18-February-2024

Date Rec. : 22 January 2024
LR Report: CA19168-JAN24
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					14-Jan-24 14:00	14-Jan-24 14:00	14-Jan-24
Paste pH [no unit]	05-Feb-24	17:06	08-Feb-24	16:37	8.35	8.35	8.21
Fizz Rate [rating]	05-Feb-24	14:53	08-Feb-24	16:37	3	3	3
Sample weight [g]	05-Feb-24	07:11	08-Feb-24	16:37	1.97	2.00	2.04
HCl_add [mL]	06-Feb-24	13:32	08-Feb-24	16:37	59.40	60.40	61.90
HCl [Normality]	05-Feb-24	15:30	08-Feb-24	16:37	0.10	0.10	0.10
NaOH [Normality]	05-Feb-24	15:30	08-Feb-24	16:37	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Feb-24	15:30	08-Feb-24	16:37	31.83	29.52	19.18
Final pH [no unit]	06-Feb-24	15:30	08-Feb-24	16:37	1.57	1.55	1.56
NP [t CaCO3/1000 t]	06-Feb-24	15:30	08-Feb-24	16:37	70.0	77.2	105
AP [t CaCO3/1000 t]	06-Feb-24	15:30	08-Feb-24	16:37	55.3	58.1	42.2
Net NP [t CaCO3/1000 t]	06-Feb-24	15:30	08-Feb-24	16:37	14.7	19.1	62.5
NP/AP [ratio]	06-Feb-24	15:30	08-Feb-24	16:37	1.27	1.33	2.48
S [%]	05-Feb-24	12:54	05-Feb-24	16:32	2.11	2.09	1.72
Acid Leachable SO4-S [%]	05-Feb-24	16:32	05-Feb-24	16:32	0.34	0.23	0.36
Sulphide [%]	05-Feb-24	16:08	05-Feb-24	16:32	1.77	1.86	1.35
C [%]	05-Feb-24	12:54	05-Feb-24	16:32	1.30	1.28	1.43



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : CA19168-JAN24

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 [%]	06-Feb-24	09:45	06-Feb-24	13:23	6.00	5.85	6.38

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

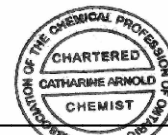
*Net NP (Net Neutralization Potential) = NP-AP

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





SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine

, Nunavut

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Phone: (819) 759-3555

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

11-June-2024

Date Rec. : 22 January 2024

LR Report: CA19169-JAN24

Reference: 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: Tailings - Solid	6: Tailings -Solid - DUP	7: Tailings -Solid Composite
Sample Date & Time					14-Jan-24 14:00	14-Jan-24 14:00	14-Jan-24
CN(T) [µg/g]	31-Jan-24	12:39	02-Feb-24	15:50	24	24	21
CN(Free) [µg/g]	02-Feb-24	09:32	05-Feb-24	08:53	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	31-Jan-24	12:39	02-Feb-24	15:50	< 10	< 10	< 10
Ag [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	< 0.5	< 0.5	< 0.5
Al [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	56000	60000	57000
As [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	11000	11000	8000
Ba [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	540	620	690
Be [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	1.2	1.4	1.4
Bi [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	1.2	1.1	0.91
Ca [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	24000	24000	25000
Cd [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	0.36	0.38	0.42
Co [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	12	12	14
Cr [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	48	45	53
Cu [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	80	87	79
Fe [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	100000	100000	94000
K [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	14000	14000	15000
Li [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	20	26	25
Mg [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	9900	10000	10000
Mn [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	400	420	460
Mo [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	15	19	15
Ni [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	27	28	32



SGS Canada Inc.

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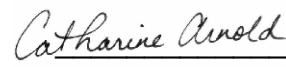
Lakefield - Ontario - KOL 2H0

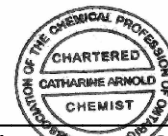
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : CA19169-JAN24

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
P [µg/g]	31-Jan-24	11:53	05-Jun-24	09:20	560	530	490
Pb [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	470	510	400
Sb [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	3.6	3.3	2.6
Se [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	1.2	1.4	1.1
Sn [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	< 6	< 6	< 6
Sr [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	270	290	270
Ti [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	1400	1600	1600
Tl [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	0.39	0.44	0.48
U [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	1.4	1.3	1.2
V [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	53	54	61
Y [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	5.9	6.0	5.8
Zn [µg/g]	31-Jan-24	11:53	02-Feb-24	11:12	110	110	130

Revised report with P and QC Report added.


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



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: EMS0301-JAN24													
Calcium	3	µg/g	<3			1		105			82		
Phosphorus	3	µg/g	<3			0		98			85		
Potassium	3	µg/g	<3			3		93			93		
Cyanide by SFA - QCBatchID: SKA5006-FEB24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	98	80	120	82	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0301-JAN24													
Aluminum	3	µg/g	<3			1	20	96	70	130	85	70	130
Antimony	0.8	µg/g	<0.8			15	20	106	70	130	105	70	130
Arsenic	0.5	µg/g	<0.5			1	20	102	70	130	89	70	130
Barium	0.01	µg/g	<0.01			0	20	101	70	130	111	70	130
Beryllium	0.02	µg/g	<0.02			1	20	97	70	130	93	70	130
Bismuth	0.09	µg/g	<0.09			2	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			13	20	104	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	101	70	130	78	70	130
Cobalt	0.01	µg/g	<0.01			4	20	103	70	130	93	70	130
Copper	0.1	µg/g	<0.1			3	20	102	70	130	106	70	130
Iron	3	µg/g	<3			2	20	101	70	130	93	70	130
Lead	0.05	µg/g	<0.05			0	20	101	70	130	110	70	130
Lithium	2	µg/g	<2			2	20	102	70	130	119	70	130
Magnesium	3	µg/g	<3			1	20	103	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			3	20	103	70	130	96	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	104	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			3	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	101	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	101	70	130	95	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	105	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			4	20	92	70	130	72	70	130
Uranium	0.002	µg/g	<0.002			4	20	106	70	130	92	70	130
Vanadium	1	µg/g	<1			2	20	93	70	130	91	70	130
Yttrium	0.004	µg/g	<0.004			1	20	101	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			5	20	107	70	130	95	70	130



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

20-June-2024

Date Rec. : 01 February 2024
LR Report: CA19019-FEB24
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: Tailings - Solid	6: Tailings -Solid - Composite	7: Tailings -Solid Dup
Sample Date & Time					28-Jan-24 09:15	28-Jan-24 09:20	28-Jan-24 09:15
Paste pH [no unit]	21-Feb-24	11:11	22-Feb-24	16:25	8.36	8.23	8.34
Fizz Rate [rating]	20-Feb-24	08:20	22-Feb-24	16:25	3	3	3
Sample weight [g]	16-Feb-24	17:16	22-Feb-24	16:25	2.03	2.04	2.00
HCl_add [mL]	21-Feb-24	06:31	22-Feb-24	16:25	64.90	73.20	61.50
HCl [Normality]	20-Feb-24	08:48	22-Feb-24	16:25	0.10	0.10	0.10
NaOH [Normality]	20-Feb-24	08:48	22-Feb-24	16:25	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	21-Feb-24	15:21	22-Feb-24	16:25	35.20	40.84	32.47
Final pH [no unit]	21-Feb-24	15:21	22-Feb-24	16:25	1.54	1.54	1.54
NP [t CaCO3/1000 t]	21-Feb-24	15:21	22-Feb-24	16:25	73.2	79.3	72.6
AP [t CaCO3/1000 t]	21-Feb-24	15:21	22-Feb-24	16:25	48.1	50.0	46.9
Net NP [t CaCO3/1000 t]	21-Feb-24	15:21	22-Feb-24	16:25	25.1	29.3	25.7
NP/AP [ratio]	21-Feb-24	15:21	22-Feb-24	16:25	1.52	1.59	1.55
S [%]	07-Feb-24	14:39	08-Feb-24	10:50	1.72	1.74	1.72
Acid Leachable SO4-S [%]	08-Feb-24	09:58	08-Feb-24	10:50	0.18	0.14	0.22
Sulphide [%]	08-Feb-24	09:55	08-Feb-24	10:50	1.54	1.60	1.50
C [%]	07-Feb-24	14:39	08-Feb-24	10:50	1.24	1.39	1.24



SGS Canada Inc.

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Lakeland - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : CA19019-FEB24

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 [%]	09-Feb-24	11:46	09-Feb-24	12:57	5.64	6.42	5.63

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0023-FEB24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0027-FEB24													
Carbon (total)	0.005	%	<0.005			4	20				100	70 13	
Sulphur (total)	0.005	%	<0.005			4	20				101	70 13	
Carbon/Sulphur - QCBatchID: ECS0029-FEB24													
Sulphide	0.04	%	< 0.01			1	20	104	80	120			



SGS Canada Inc.

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Meliadine

, Nunavut

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

11-June-2024

Date Rec. : 01 February 2024
LR Report: CA19020-FEB24
Reference: Meliadine - PO#1254179

Copy: #2

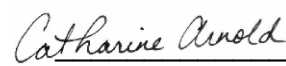
CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid - Composite	7: Tailings -Solid Dup
Sample Date & Time					28-Jan-24 09:15	28-Jan-24 09:20	28-Jan-24 09:15
CN(T) [µg/g]	08-Feb-24	08:16	08-Feb-24	13:22	28	21	25
CN(Free) [µg/g]	08-Feb-24	07:43	08-Feb-24	13:28	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	07-Feb-24	09:45	08-Feb-24	13:23	< 10	< 10	< 10
Ag [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	< 0.5	< 0.5	< 0.5
Al [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	60000	62000	60000
As [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	9100	10000	9000
Ba [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	560	610	550
Be [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	1.2	1.3	1.2
Bi [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	0.91	1.1	0.86
Ca [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	24000	26000	24000
Cd [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	0.36	0.40	0.33
Co [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	12	13	11
Cr [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	81	75	59
Cu [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	81	93	77
Fe [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	110000	110000	110000
K [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	14000	14000	14000

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
Li [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	20	20	20
Mg [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	9800	11000	9600
Mn [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	400	450	400
Mo [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	12	12	13
Ni [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	27	30	26
P [µg/g]	10-Feb-24	02:43	05-Jun-24	09:21	540	560	520
Pb [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	350	320	340
Sb [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	2.7	3.0	2.7
Se [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	1.1	1.1	1.1
Sn [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	< 6	< 6	< 6
Sr [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	280	270	280
Ti [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	1500	1600	1500
Tl [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	0.40	0.43	0.40
U [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	1.2	1.2	1.2
V [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	48	55	48
Y [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	5.3	5.9	5.4
Zn [µg/g]	10-Feb-24	02:43	13-Feb-24	12:21	100	130	100

Revised report with P and QC Report added.



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

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: EMS0072-FEB24													
Calcium	3	µg/g	<3			4		102			88		
Phosphorus	3	µg/g	<3			7		99			87		
Potassium	3	µg/g	<3			3		101			98		
Cyanide by SFA - QCBatchID: SKA5031-FEB24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	83	80	120	78	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0072-FEB24													
Aluminum	3	µg/g	<3			3	20	102	70	130	97	70	130
Antimony	0.8	µg/g	<0.8			ND	20	91	70	130	126	70	130
Arsenic	0.5	µg/g	<0.5			4	20	106	70	130	94	70	130
Barium	0.01	µg/g	<0.01			2	20	97	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			1	20	95	70	130	87	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	108	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			18	20	105	70	130	85	70	130
Cobalt	0.01	µg/g	<0.01			3	20	105	70	130	96	70	130
Copper	0.1	µg/g	<0.1			4	20	106	70	130	103	70	130
Iron	3	µg/g	<3			2	20	106	70	130	99	70	130
Lead	0.05	µg/g	<0.05			2	20	100	70	130	111	70	130
Lithium	2	µg/g	<2			0	20	94	70	130	103	70	130
Magnesium	3	µg/g	<3			4	20	105	70	130	104	70	130
Manganese	0.1	µg/g	<0.1			3	20	104	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	99	70	130	102	70	130
Nickel	0.1	µg/g	<0.1			3	20	108	70	130	110	70	130
Selenium	0.1	µg/g	<0.1			8	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			4	20	105	70	130	100	70	130
Thallium	0.02	µg/g	<0.02			2	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	98	70	130	78	70	130
Uranium	0.002	µg/g	<0.002			8	20	99	70	130	97	70	130
Vanadium	1	µg/g	<1			3	20	101	70	130	97	70	130
Yttrium	0.004	µg/g	<0.004			1	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			4	20	105	70	130	96	70	130



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

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 #: TAILINGS-SOLID
Project : PO#1380289

20-June-2024

Date Rec. : 26 February 2024
LR Report: CA19213-FEB24
Reference: Meliadine - PO#1380289

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: Tailings - Solid	6: Tailings - Solid DUP	7: Tailings - Solid - Composite
Sample Date & Time					25-Feb-24 14:30	25-Feb-24 14:30	25-Feb-24 14:45
Paste pH [no unit]	11-Mar-24	08:03	12-Mar-24	13:30	8.33	8.32	8.30
Fizz Rate [rating]	11-Mar-24	07:40	12-Mar-24	13:30	3	3	3
Sample weight [g]	08-Mar-24	09:29	12-Mar-24	13:30	2.03	1.99	1.98
HCl_add [mL]	12-Mar-24	06:31	12-Mar-24	13:30	66.10	63.00	63.10
HCl [Normality]	11-Mar-24	08:33	12-Mar-24	13:30	0.10	0.10	0.10
NaOH [Normality]	11-Mar-24	08:33	12-Mar-24	13:30	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12-Mar-24	12:52	12-Mar-24	13:30	32.62	29.76	30.80
Final pH [no unit]	12-Mar-24	08:32	12-Mar-24	13:30	1.57	1.58	1.58
NP [t CaCO3/1000 t]	12-Mar-24	12:52	12-Mar-24	13:30	82.5	83.5	81.6
AP [t CaCO3/1000 t]	12-Mar-24	13:30	12-Mar-24	13:30	38.4	37.5	43.4
Net NP [t CaCO3/1000 t]	12-Mar-24	13:30	12-Mar-24	13:30	44.1	46.0	38.2
NP/AP [ratio]	12-Mar-24	13:30	12-Mar-24	13:30	2.15	2.23	1.88
S [%]	11-Mar-24	08:54	12-Mar-24	09:04	1.48	1.48	1.63
Acid Leachable SO4-S [%]	12-Mar-24	06:59	12-Mar-24	09:04	0.25	0.28	0.24
Sulphide [%]	12-Mar-24	06:54	12-Mar-24	09:04	1.23	1.20	1.39



SGS Canada Inc.

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

mel
Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19213-FEB24

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 [%]	11-Mar-24	08:54	12-Mar-24	09:04	1.28	1.28	1.34
CO3 (HCl) as %CO3 [%]	12-Mar-24	08:25	12-Mar-24	09:04	5.94	6.06	6.12

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0028-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			4	20	103	80	120			
Carbon/Sulphur - QCBatchID: ECS0030-MAR24													
Carbon (total)	0.005	%	<0.005			0	20				100	70	130
Sulphur (total)	0.005	%	<0.005			1	20				102	70	130
Carbon/Sulphur - QCBatchID: ECS0033-MAR24													
Sulphide	0.04	%	< 0.01			2	20	114	80	120			



SGS Canada Inc.

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Meliadine

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Phone: (819) 759-3555

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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

11-June-2024

Date Rec. : 26 February 2024
LR Report: CA19214-FEB24
Reference: Meliadine - PO#1380289

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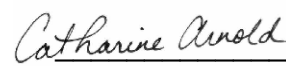
CERTIFICATE OF ANALYSIS

Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid DUP	7: Tailings - Solid - Composite
Sample Date & Time					25-Feb-24 14:30	25-Feb-24 14:30	25-Feb-24 14:45
CN(T) [µg/g]	15-Mar-24	12:20	20-Mar-24	08:27	32	25	19
CN(Free) [µg/g]	15-Mar-24	08:30	15-Mar-24	13:19	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	15-Mar-24	12:20	20-Mar-24	08:27	< 10	< 10	< 10
Ag [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	69000	69000	60000
As [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	7800	7900	8700
Ba [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	600	630	540
Be [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	1.4	1.4	1.3
Bi [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	1.2	1.3	0.88
Ca [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	25000	26000	26000
Cd [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	0.48	0.44	0.41
Co [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	17	18	15
Cr [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	95	100	78
Cu [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	98	100	91
Fe [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	93000	96000	110000
K [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	16000	16000	14000

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
Li [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	28	28	24
Mg [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	12000	12000	11000
Mn [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	490	500	450
Mo [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	22	23	15
Ni [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	46	46	36
P [µg/g]	12-Mar-24	13:00	05-Jun-24	09:22	490	490	560
Pb [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	530	540	380
Sb [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	2.2	2.3	2.6
Se [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	1.4	1.4	1.2
Sn [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	< 6	< 6	< 6
Sr [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	250	250	250
Ti [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	2400	2400	1900
Tl [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	0.51	0.52	0.43
U [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	1.5	1.5	1.3
V [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	74	75	58
Y [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	7.5	7.1	6.6
Zn [µg/g]	12-Mar-24	13:00	13-Mar-24	11:41	120	120	130

Revised report with P and QC Report added.



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

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: EMS0097-MAR24													
Calcium	3	µg/g	<3			3		100			90		
Phosphorus	3	µg/g	<3			6		101			86		
Potassium	3	µg/g	<3			6		104			89		
Cyanide by SFA - QCBatchID: SKA5056-MAR24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	97	80	120	93	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0097-MAR24													
Aluminum	3	µg/g	<3			3	20	92	70	130	99	70	130
Antimony	0.8	µg/g	<0.8			5	20	90	70	130	116	70	130
Arsenic	0.5	µg/g	<0.5			8	20	105	70	130	91	70	130
Barium	0.01	µg/g	<0.01			2	20	107	70	130	106	70	130
Beryllium	0.02	µg/g	<0.02			1	20	100	70	130	89	70	130
Bismuth	0.09	µg/g	<0.09			0	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	105	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	107	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			2	20	105	70	130	90	70	130
Copper	0.1	µg/g	<0.1			7	20	108	70	130	99	70	130
Iron	3	µg/g	<3			1	20	101	70	130	91	70	130
Lead	0.05	µg/g	<0.05			3	20	105	70	130	106	70	130
Lithium	2	µg/g	<2			1	20	100	70	130	103	70	130
Magnesium	3	µg/g	<3			2	20	104	70	130	91	70	130
Manganese	0.1	µg/g	<0.1			5	20	103	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			7	20	101	70	130	90	70	130
Nickel	0.1	µg/g	<0.1			1	20	106	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			ND	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	104	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	104	70	130	100	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			6	20	102	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	100	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			3	20	105	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	104	70	130	90	70	130
Yttrium	0.004	µg/g	<0.004			10	20	104	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	107	70	130	94	70	130



SGS Canada Inc.

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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

Phone: (819) 759-3555

Fax:(819) 759-3663

MEL
Works #: TAILINGS-SOLID
Project : PO#1380289

17-June-2024

Date Rec. : 12 March 2024
LR Report: CA19378-MAR24
Reference: Meliadine - PO#1380289

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: Tailings - Solid	6: Tailings - Solid - Composite
Sample Date & Time					10-Mar-24 09:45	10-Mar-24 09:45
Paste pH [no unit]	18-Mar-24	17:23	20-Mar-24	14:21	8.70	8.46
Fizz Rate [rating]	15-Mar-24	19:09	20-Mar-24	14:21	3	3
Sample weight [g]	15-Mar-24	19:09	20-Mar-24	14:21	1.99	2.00
HCl_add [mL]	19-Mar-24	13:56	20-Mar-24	14:21	64.20	73.10
HCl [Normality]	18-Mar-24	15:39	20-Mar-24	14:21	0.10	0.10
NaOH [Normality]	18-Mar-24	15:39	20-Mar-24	14:21	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Mar-24	17:15	20-Mar-24	14:21	31.48	36.47
Final pH [no unit]	19-Mar-24	15:33	20-Mar-24	14:21	1.56	1.51
NP [t CaCO3/1000 t]	19-Mar-24	17:15	20-Mar-24	14:21	82.2	91.6
AP [t CaCO3/1000 t]	20-Mar-24	14:21	20-Mar-24	14:21	46.2	37.5
Net NP [t CaCO3/1000 t]	20-Mar-24	14:21	20-Mar-24	14:21	36.0	54.1
NP/AP [ratio]	20-Mar-24	14:21	20-Mar-24	14:21	1.78	2.44
S [%]	18-Mar-24	10:04	18-Mar-24	14:34	1.77	1.42
Acid Leachable SO4-S [%]	18-Mar-24	14:34	18-Mar-24	14:34	0.29	0.22
Sulphide [%]	18-Mar-24	14:08	18-Mar-24	14:34	1.48	1.20
C [%]	18-Mar-24	10:04	18-Mar-24	14:34	1.40	1.48



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

MEL Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19378-MAR24

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 [%]	19-Mar-24	11:57	19-Mar-24	14:25	5.93	6.58

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times 31.25$

*Net NP (Net Neutralization Potential) = NP-AP

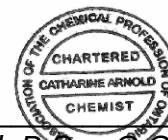
NP/AP Ratio = NP/AP

*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.

Revised report with QC Report added.

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



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: ECS0045-MAR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	104	80	120			
Carbon/Sulphur - QCBatchID: ECS0046-MAR24													
Carbon (total)	0.005	%	<0.005			5	20				99	70	
Sulphur (total)	0.005	%	<0.005			8	20				103	70	
Carbon/Sulphur - QCBatchID: ECS0047-MAR24													
Sulphide	0.04	%	< 0.01			12	20	102	80	120			



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Agnico Eagle Mines Limited

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Meliadine

, Nunavut

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Phone: (819) 759-3555

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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

11-June-2024

Date Rec. : 28 March 2024
LR Report: CA19505-MAR24
Reference: Meliadine - PO#1380289

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: Tailings - Solid	6: Tailings -Solid - Composite
Sample Date & Time					24-Mar-24 11:00	24-Mar-24 11:30
CN(T) [µg/g]	24-Apr-24	15:11	25-Apr-24	14:56	31	21
CN(Free) [µg/g]	24-Apr-24	11:58	24-Apr-24	16:02	< 0.05	< 0.05
CNWAD [µg/g]	24-Apr-24	15:11	25-Apr-24	14:57	< 10	< 10
Ag [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	< 0.5	< 0.5
Al [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	50000	52000
As [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	9600	7700
Ba [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	580	620
Be [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	1.2	1.3
Bi [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	0.63	0.61
Ca [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	27000	27000
Cd [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	0.36	0.38
Co [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	13	15
Cr [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	77	53
Cu [µg/g]	08-Apr-24	13:32	09-Apr-24	17:34	76	81
Fe [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	130000	120000
K [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	14000	15000
Li [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	23	23
Mg [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	9500	9300
Mn [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	450	450
Mo [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	9.5	8.5
Ni [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	31	32

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid - Composite
P [µg/g]	08-Apr-24	13:32	05-Jun-24	09:34	590	560
Pb [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	180	200
Sb [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	3.0	2.4
Se [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	0.9	0.7
Sn [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	< 6	< 6
Sr [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	250	260
Ti [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	1700	1700
Tl [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	0.43	0.49
U [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	1.1	1.1
V [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	56	56
Y [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	4.8	4.3
Zn [µg/g]	08-Apr-24	13:32	09-Apr-24	17:35	130	140

Bulk Metals Suite

Catharine Arnold

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

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: EMS0054-APR24													
Calcium	3	µg/g	<3			0		106			92		
Phosphorus	3	µg/g	<3			1		103			91		
Potassium	3	µg/g	<3			10		109			70		
Cyanide by SFA - QCBatchID: SKA5089-APR24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	100	80	120	91	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0054-APR24													
Aluminum	3	µg/g	<3			5	20	92	70	130	98	70	130
Antimony	0.8	µg/g	<0.8			ND	20	99	70	130	105	70	130
Arsenic	0.5	µg/g	<0.5			2	20	102	70	130	106	70	130
Barium	0.01	µg/g	<0.01			0	20	99	70	130	116	70	130
Beryllium	0.02	µg/g	<0.02			0	20	95	70	130	91	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	93	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	99	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			5	20	97	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			0	20	97	70	130	96	70	130
Copper	0.1	µg/g	<0.1			5	20	100	70	130	105	70	130
Iron	3	µg/g	<3			2	20	105	70	130	102	70	130
Lead	0.05	µg/g	<0.05			0	20	98	70	130	109	70	130
Lithium	2	µg/g	<2			0	20	98	70	130	112	70	130
Magnesium	3	µg/g	<3			3	20	102	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			2	20	97	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			4	20	94	70	130	99	70	130
Nickel	0.1	µg/g	<0.1			1	20	99	70	130	112	70	130
Selenium	0.1	µg/g	<0.1			9	20	95	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	103	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	98	70	130	104	70	130
Thallium	0.02	µg/g	<0.02			0	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	105	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			5	20	94	70	130	96	70	130
Vanadium	1	µg/g	<1			2	20	102	70	130	102	70	130
Yttrium	0.004	µg/g	<0.004			6	20	96	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	102	70	130	102	70	130



SGS Canada Inc.

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Meliadine

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Phone: (819) 759-3555

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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

11-June-2024

Date Rec. : 12 March 2024
LR Report: CA19379-MAR24
Reference: Meliadine - PO#1380289

Copy: #2

CERTIFICATE OF ANALYSIS

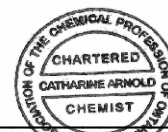
Final Report - Revised

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid - Composite
Sample Date & Time					10-Mar-24 09:45	10-Mar-24 09:45
CN(T) [µg/g]	15-Mar-24	12:20	20-Mar-24	08:26	25	21
CN(Free) [µg/g]	18-Mar-24	09:54	21-Mar-24	08:41	< 0.05	< 0.05
CNWAD [µg/g]	15-Mar-24	12:20	20-Mar-24	08:27	< 10	< 10
Ag [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	< 0.5	< 0.5
Al [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	60000	62000
As [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	12000	9700
Ba [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	540	560
Be [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	1.4	1.5
Bi [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	1.2	1.2
Ca [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	24000	26000
Cd [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	0.59	0.66
Co [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	19	20
Cr [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	74	69
Cu [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	110	110
Fe [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	93000	85000
K [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	15000	15000
Li [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	22	22
Mg [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	11000	12000
Mn [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	480	550
Mo [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	16	14
Ni [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	42	49

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid - Composite
P [µg/g]	21-Mar-24	04:27	05-Jun-24	09:35	480	460
Pb [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	410	330
Sb [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	3.4	2.9
Se [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	1.2	1.2
Sn [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	< 6	< 6
Sr [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	210	220
Ti [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	1900	1900
Tl [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	0.55	0.56
U [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	1.38	1.28
V [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	72	85
Y [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	5.5	5.8
Zn [µg/g]	21-Mar-24	04:27	21-Mar-24	16:12	180	190
Env Strong Acid [Prep]	18-Mar-24	15:24	21-Mar-24	16:12	1	1

Low mineralized Strong Acid Bulk Metals
Revised report with P and QC Report added.

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



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: EMS0166-MAR24													
Calcium	3	µg/g	<3			1		94			82		
Phosphorus	3	µg/g	<3			7		92			82		
Potassium	3	µg/g	<3			1		90			90		
Cyanide by SFA - QCBatchID: SKA5066-MAR24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	98	80	120	92	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0166-MAR24													
Aluminum	3	µg/g	<3			1	20	93	70	130	93	70	130
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130	128	70	130
Arsenic	0.5	µg/g	<0.5			3	20	99	70	130	93	70	130
Barium	0.01	µg/g	<0.01			0	20	98	70	130	110	70	130
Beryllium	0.02	µg/g	<0.02			2	20	103	70	130	95	70	130
Bismuth	0.09	µg/g	<0.09			14	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			5	20	99	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			7	20	101	70	130	84	70	130
Cobalt	0.01	µg/g	<0.01			1	20	100	70	130	93	70	130
Copper	0.1	µg/g	<0.1			7	20	99	70	130	102	70	130
Iron	3	µg/g	<3			0	20	93	70	130	93	70	130
Lead	0.05	µg/g	<0.05			4	20	96	70	130	110	70	130
Lithium	2	µg/g	<2			1	20	102	70	130	107	70	130
Magnesium	3	µg/g	<3			2	20	92	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			2	20	98	70	130	94	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	100	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			1	20	99	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			11	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	101	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	97	70	130	97	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			0	20	92	70	130	79	70	130
Uranium	0.002	µg/g	<0.002			2	20	95	70	130	97	70	130
Vanadium	1	µg/g	<1			1	20	100	70	130	94	70	130
Yttrium	0.004	µg/g	<0.004			1	20	96	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	100	70	130	100	70	130



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

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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

Phone: (819) 759-3555

Fax:(819) 759-3663

mel
Works #: TAILINGS-SOLID
Project : PO#1380289

17-June-2024

Date Rec. : 28 March 2024
LR Report: CA19504-MAR24
Reference: Meliadine - PO#1380289

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: Tailings - Solid	6: Tailings -Solid - Composite
Sample Date & Time					24-Mar-24 11:00	24-Mar-24 11:30
Paste pH [no unit]	05-Apr-24	09:02	09-Apr-24	14:53	8.69	8.50
Fizz Rate [rating]	05-Apr-24	09:02	09-Apr-24	14:53	3	3
Sample weight [g]	05-Apr-24	09:02	09-Apr-24	14:53	2.01	2.00
HCl_add [mL]	09-Apr-24	06:50	09-Apr-24	14:53	59.10	56.80
HCl [Normality]	08-Apr-24	08:24	09-Apr-24	14:53	0.10	0.10
NaOH [Normality]	08-Apr-24	08:24	09-Apr-24	14:53	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Apr-24	11:50	09-Apr-24	14:53	27.18	24.92
Final pH [no unit]	09-Apr-24	08:27	09-Apr-24	14:53	1.77	1.78
NP [t CaCO3/1000 t]	09-Apr-24	11:50	09-Apr-24	14:53	79.4	79.7
AP [t CaCO3/1000 t]	09-Apr-24	11:50	09-Apr-24	14:53	36.6	36.6
Net NP [t CaCO3/1000 t]	09-Apr-24	11:50	09-Apr-24	14:53	42.8	43.1
NP/AP [ratio]	09-Apr-24	11:50	09-Apr-24	14:53	2.17	2.18
S [%]	03-Apr-24	12:50	03-Apr-24	14:20	1.28	1.25
Acid Leachable SO4-S [%]	03-Apr-24	14:19	03-Apr-24	14:20	0.11	0.08
Sulphide [%]	03-Apr-24	14:17	03-Apr-24	14:20	1.17	1.17
C [%]	03-Apr-24	12:50	03-Apr-24	14:20	1.32	1.34



SGS Canada Inc.

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mel
Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19504-MAR24

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 [%]	04-Apr-24	06:45	04-Apr-24	12:07	5.73	5.74

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

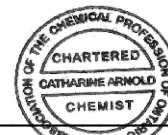
*Net NP (Net Neutralization Potential) = NP-AP

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



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: ECS0011-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0015-APR24													
Carbon (total)	0.005	%	<0.005			0	20				100	70	
Sulphur (total)	0.005	%	<0.005			3	20				98	70	
Carbon/Sulphur - QCBatchID: ECS0016-APR24													
Sulphide	0.04	%	< 0.01			4	20	113	80	120			

**SGS Canada Inc.**

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 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID

Project : PO#1380289

19-June-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine
 , Nunavut
 X0C 0A0, Canada

Date Rec. : 08 April 2024

LR Report: CA19668-APR24

Reference: Meliadine - PO#1380289

Copy: #2

Phone: (819) 759-3555

Fax:(819) 759-3663

CERTIFICATE OF ANALYSIS

Final Report - Revised

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					07-Apr-24 16:45	07-Apr-24 16:45
CN(T) [µg/g]	18-Apr-24	07:48	18-Apr-24	16:15	41	33
CN(Free) [µg/g]	18-Apr-24	20:39	21-Apr-24	21:03	< 0.05	< 0.05
CNWAD [µg/g]	18-Apr-24	07:48	18-Apr-24	16:14	< 10	< 10
Ag [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	< 0.5	< 0.5
Al [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	58000	57000
As [µg/g]	07-May-24	12:30	08-May-24	11:30	11000	9100
Ba [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	520	530
Be [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	1.3	1.2
Bi [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	0.91	0.78
Ca [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	28000	27000
Cd [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	0.29	0.27
Co [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	11	12
Cr [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	46	48
Cu [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	85	91
Fe [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	130000	130000
K [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	14000	13000
Li [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	21	21
Mg [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	10000	9800
Mn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	460	470
Mo [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	15	13
Ni [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	31	30
ss [µg/g]	07-May-24	12:30	05-Jun-24	09:36	670	650
Pb [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	550	300
Sb [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	3.6	2.9
Se [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	1.2	1.0
Sn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	< 6	< 6
Sr [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	270	260

**SGS Canada Inc.**

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mel
Works #: TAILINGS-SOLID

Project : PO#1380289

LR Report : CA19668-APR24

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]	18-Apr-24	11:50	23-Apr-24	12:42	1700	1700
Tl [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	0.42	0.39
U [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	1.4	1.3
V [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	53	53
Y [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	6.8	6.6
Zn [µg/g]	18-Apr-24	11:50	23-Apr-24	12:42	90	98

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite

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

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: EMS0049-MAY24													
Phosphorus	3	µg/g	<3			3		100					
QCR_SubCategory - QCBatchID: EMS0181-APR24													
Calcium	3	µg/g	<3			1		103			90		
Potassium	3	µg/g	<3			5		102			95		
Cyanide by SFA - QCBatchID: SKA5075-APR24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	99	80	120	89	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0049-MAY24													
Arsenic	0.5	µg/g	<0.5			4	20	102	70	130			
Metals - Microwave/ICP-MS - QCBatchID: EMS0181-APR24													
Aluminum	3	µg/g	<3			4	20	103	70	130	104	70	130
Antimony	0.8	µg/g	<0.8			ND	20	104	70	130	120	70	130
Barium	0.01	µg/g	<0.01			6	20	93	70	130	109	70	130
Beryllium	0.02	µg/g	<0.02			4	20	97	70	130	99	70	130
Bismuth	0.09	µg/g	<0.09			6	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			1	20	101	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			16	20	98	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			17	20	100	70	130	99	70	130
Copper	0.1	µg/g	<0.1			6	20	97	70	130	108	70	130
Iron	3	µg/g	<3			2	20	103	70	130	98	70	130
Lead	0.05	µg/g	<0.05			7	20	96	70	130	112	70	130
Lithium	2	µg/g	<2			1	20	96	70	130	116	70	130
Magnesium	3	µg/g	<3			4	20	99	70	130	95	70	130
Manganese	0.1	µg/g	<0.1			2	20	97	70	130	103	70	130
Molybdenum	0.1	µg/g	<0.1			2	20	98	70	130	102	70	130
Nickel	0.1	µg/g	<0.1			4	20	102	70	130	113	70	130
Selenium	0.1	µg/g	<0.1			11	20	95	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	95	70	130	101	70	130
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	97	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	91	70	130	85	70	130
Uranium	0.002	µg/g	<0.002			10	20	102	70	130	105	70	130
Vanadium	1	µg/g	<1			4	20	97	70	130	103	70	130
Yttrium	0.004	µg/g	<0.004			3	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	101	70	130	103	70	130



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 #: TAILINGS-SOLID
Project : PO#1380289

17-June-2024

Date Rec. : 08 April 2024
LR Report: CA19667-APR24
Reference: Meliadine - PO#1380289

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: Tailings - Solid	6: Tailings -Solid - Composite
Sample Date & Time					07-Apr-24 16:45	07-Apr-24 16:45
Paste pH [no unit]	22-Apr-24	12:03	23-Apr-24	16:10	8.64	8.42
Fizz Rate [rating]	21-Apr-24	12:30	23-Apr-24	16:10	4	3
Sample weight [g]	19-Apr-24	12:30	23-Apr-24	16:10	2.04	2.03
HCl_add [mL]	22-Apr-24	12:40	23-Apr-24	16:10	72.30	63.25
HCl [Normality]	21-Apr-24	12:39	23-Apr-24	16:10	0.10	0.10
NaOH [Normality]	21-Apr-24	12:39	23-Apr-24	16:10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	22-Apr-24	12:40	23-Apr-24	16:10	37.44	29.42
Final pH [no unit]	22-Apr-24	12:40	23-Apr-24	16:10	1.56	1.66
NP [t CaCO3/1000 t]	22-Apr-24	12:40	23-Apr-24	16:10	85.4	83.3
AP [t CaCO3/1000 t]	23-Apr-24	16:10	23-Apr-24	16:10	51.9	41.9
Net NP [t CaCO3/1000 t]	23-Apr-24	16:10	23-Apr-24	16:10	33.5	41.4
NP/AP [ratio]	23-Apr-24	16:10	23-Apr-24	16:10	1.65	1.99
S [%]	17-Apr-24	12:28	18-Apr-24	09:02	1.89	1.56
Acid Leachable SO4-S [%]	18-Apr-24	07:58	18-Apr-24	09:02	0.23	0.22
Sulphide [%]	18-Apr-24	07:57	18-Apr-24	09:02	1.66	1.34
C [%]	17-Apr-24	12:28	18-Apr-24	09:02	1.38	1.33



SGS Canada Inc.

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

mel
Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19667-APR24

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-Apr-24	07:22	18-Apr-24	09:02	6.29	6.07

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times 31.25$

*Net NP (Net Neutralization Potential) = NP-AP

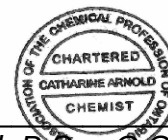
NP/AP Ratio = NP/AP

*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.

Revised report with QC Report added.

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



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: ECS0058-APR24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0059-APR24													
Carbon (total)	0.005	%	<0.005			1	20				97	70	13
Sulphur (total)	0.005	%	<0.005			1	20				101	70	13
Carbon/Sulphur - QCBatchID: ECS0061-APR24													
Sulphide	0.04	%	< 0.01			5	20	115	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Brett Fairbairn

Meliadine

, Nunavut

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Phone: (819) 759-3555

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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

20-June-2024

Date Rec. : 23 April 2024
LR Report: CA19836-APR24
Reference: PO#1380289

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: Tailings - Solid	6: Tailings -Solid - Composite	7: Tailings -Solid - Dup
Sample Date & Time					21-Apr-24 15:45	21-Apr-24	21-Apr-24 15:45
Paste pH [no unit]	06-May-24	09:03	09-May-24	10:05	8.55	8.49	8.53
Fizz Rate [rating]	06-May-24	15:22	09-May-24	10:05	4	4	4
Sample weight [g]	06-May-24	07:06	09-May-24	10:05	2.03	2.04	1.99
HCl_add [mL]	07-May-24	16:57	09-May-24	10:05	64.10	64.60	63.00
HCl [Normality]	06-May-24	16:15	09-May-24	10:05	0.10	0.10	0.10
NaOH [Normality]	06-May-24	16:15	09-May-24	10:05	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	07-May-24	16:57	09-May-24	10:05	32.19	31.15	31.74
Final pH [no unit]	07-May-24	16:57	09-May-24	10:05	1.59	1.63	1.61
NP [t CaCO3/1000 t]	07-May-24	16:57	09-May-24	10:05	78.6	82.0	78.5
AP [t CaCO3/1000 t]	09-May-24	10:05	09-May-24	10:05	40.0	44.7	38.1
Net NP [t CaCO3/1000 t]	09-May-24	10:05	09-May-24	10:05	38.6	37.3	40.4
NP/AP [ratio]	09-May-24	10:05	09-May-24	10:05	1.96	1.83	2.06
S [%]	07-May-24	10:18	08-May-24	10:19	1.33	1.59	1.35
Acid Leachable SO4-S [%]	08-May-24	08:00	08-May-24	10:19	0.05	0.16	0.13
Sulphide [%]	08-May-24	07:52	08-May-24	10:19	1.28	1.43	1.22



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

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

mel
Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19836-APR24

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 [%]	07-May-24	10:18	08-May-24	10:19	1.31	1.40	1.30
CO3 (HCl) as %CO3 [%]	08-May-24	09:14	08-May-24	10:19	5.95	6.39	5.95

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times 31.25$

*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

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: ECS0022-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0023-MAY24													
Carbon (total)	0.005	%	<0.005			0	20				100	70	13
Sulphur (total)	0.005	%	<0.005			6	20				96	70	13
Carbon/Sulphur - QCBatchID: ECS0025-MAY24													
Sulphide	0.04	%	< 0.01			3	20	108	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID

Project : PO#1380289

16-May-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. : 23 April 2024
LR Report: CA19837-APR24
Reference: PO#1380289

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					21-Apr-24 15:45	21-Apr-24	21-Apr-24 15:45
CN(T) [µg/g]	03-May-24	14:05	07-May-24	09:25	34	34	33
CN(Free) [µg/g]	06-May-24	09:35	06-May-24	14:43	< 0.05	0.06	< 0.05
CNWAD [µg/g]	03-May-24	14:05	07-May-24	09:26	< 10	< 10	< 10
Ag [µg/g]	16-May-24	11:46	16-May-24	16:50	< 0.5	< 0.5	< 0.5
Al [µg/g]	16-May-24	11:46	16-May-24	16:50	54000	55000	55000
As [µg/g]	16-May-24	11:46	16-May-24	16:50	10000	11000	10000
Ba [µg/g]	16-May-24	11:46	16-May-24	16:50	580	560	580
Be [µg/g]	16-May-24	11:46	16-May-24	16:50	1.2	1.2	1.3
Bi [µg/g]	16-May-24	11:46	16-May-24	16:50	0.63	0.80	0.67
Ca [µg/g]	16-May-24	11:46	16-May-24	16:50	26000	26000	26000
Cd [µg/g]	16-May-24	11:46	16-May-24	16:50	0.21	0.30	0.18
Co [µg/g]	16-May-24	11:46	16-May-24	16:50	10	12	11
Cr [µg/g]	16-May-24	11:46	16-May-24	16:50	65	84	54
Cu [µg/g]	16-May-24	11:46	16-May-24	16:50	78	85	77
Fe [µg/g]	16-May-24	11:46	16-May-24	16:50	140000	130000	140000
K [µg/g]	16-May-24	11:46	16-May-24	16:50	13000	13000	13000
Li [µg/g]	16-May-24	11:46	16-May-24	16:50	23	21	23
Mg [µg/g]	16-May-24	11:46	16-May-24	16:50	11000	10000	11000
Mn [µg/g]	16-May-24	11:46	16-May-24	16:50	440	460	440
Mo [µg/g]	16-May-24	11:46	16-May-24	16:50	9.2	14	10
Ni [µg/g]	16-May-24	11:46	16-May-24	16:50	28	29	28
Pb [µg/g]	16-May-24	11:46	16-May-24	16:50	380	410	390
Sb [µg/g]	16-May-24	11:46	16-May-24	16:50	3.2	3.3	3.1
Se [µg/g]	16-May-24	11:46	16-May-24	16:50	1.0	1.1	0.9
Sn [µg/g]	16-May-24	11:46	16-May-24	16:50	< 6	< 6	< 6
Sr [µg/g]	16-May-24	11:46	16-May-24	16:50	280	270	280
Ti [µg/g]	16-May-24	11:46	16-May-24	16:50	1700	1600	1700
Tl [µg/g]	16-May-24	11:46	16-May-24	16:50	0.39	0.41	0.37
U [µg/g]	16-May-24	11:46	16-May-24	16:50	1.3	1.3	1.4
V [µg/g]	16-May-24	11:46	16-May-24	16:50	51	51	51

SGS Canada Inc.

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mel
Works #: TAILINGS-SOLID

Project : PO#1380289

LR Report : CA19837-APR24

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]	16-May-24	11:46	16-May-24	16:50	6.3	6.3	6.4
Zn [µg/g]	16-May-24	11:46	16-May-24	16:50	72	96	74

Bulk Metals Suite

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





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 #: TAILINGS-SOLID
Project : PO#1380289

20-June-2024

Date Rec. : 09 May 2024
LR Report: CA19122-MAY24
Reference: Meliadine - PO#1380289

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: Tailings - Solid	6: Tailings -Solid - Composite
Sample Date & Time					05-May-24 13:00	05-May-24 13:00
Paste pH [no unit]	15-May-24	13:52	21-May-24	15:55	8.41	8.46
Fizz Rate [rating]	15-May-24	13:52	21-May-24	15:55	4	4
Sample weight [g]	15-May-24	07:17	21-May-24	15:55	2.02	2.00
HCl_add [mL]	16-May-24	16:23	21-May-24	15:55	60.00	60.00
HCl [Normality]	15-May-24	16:34	21-May-24	15:55	0.10	0.10
NaOH [Normality]	15-May-24	16:34	21-May-24	15:55	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-May-24	20:42	21-May-24	15:55	24.68	27.80
Final pH [no unit]	16-May-24	16:23	21-May-24	15:55	1.68	1.60
NP [t CaCO3/1000 t]	16-May-24	20:42	21-May-24	15:55	87.4	80.5
AP [t CaCO3/1000 t]	16-May-24	20:42	21-May-24	15:55	44.1	45.3
Net NP [t CaCO3/1000 t]	16-May-24	20:42	21-May-24	15:55	43.3	35.2
NP/AP [ratio]	16-May-24	20:42	21-May-24	15:55	1.98	1.78
S [%]	16-May-24	07:39	27-May-24	11:48	1.61	1.67
Acid Leachable SO4-S [%]	17-May-24	06:59	27-May-24	11:48	0.20	0.22



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mel
Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19122-MAY24

Analysis	1: Analysis Start Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid - Composite
Sulphide [%]	16-May-24	10:11	27-May-24	11:48	1.41	1.45
C [%]	16-May-24	07:39	16-May-24	09:58	1.54	1.31
CO3 (HCl) as %CO3 [%]	16-May-24	09:30	16-May-24	09:58	6.53	5.91

Reissued to include QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0048-MAY24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	103	80	120			
Carbon/Sulphur - QCBatchID: ECS0050-MAY24													
Carbon (total)	0.005	%	<0.005			0	20				99	70 13	
Sulphur (total)	0.005	%	<0.005			3	20				102	70 13	
Carbon/Sulphur - QCBatchID: ECS0052-MAY24													
Sulphide	0.04	%	< 0.01			0	20	101	80	120			

**SGS Canada Inc.**

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Works #: TAILINGS-SOLID

Project : PO#1380289

20-June-2024

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Meliadine
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 X0C 0A0, Canada

Phone: (819) 759-3555
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Date Rec. : 09 May 2024
LR Report: CA19123-MAY24
Reference: Meliadine - PO#1380289

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: Tailings - Solid	6: Tailings -Solid - Composite
Sample Date & Time					05-May-24 13:00	05-May-24 13:00
CN(T) [µg/g]	14-May-24	14:29	16-May-24	16:05	32	30
CN(Free) [µg/g]	14-May-24	09:55	15-May-24	13:38	< 0.05	< 0.05
CNWAD [µg/g]	14-May-24	14:29	16-May-24	16:06	< 10	< 10
Ag [µg/g]	16-May-24	11:46	16-May-24	16:51	< 0.5	< 0.5
Al [µg/g]	16-May-24	11:46	16-May-24	16:51	58000	54000
As [µg/g]	16-May-24	11:46	16-May-24	16:51	11000	13000
Ba [µg/g]	16-May-24	11:46	16-May-24	16:51	500	530
Be [µg/g]	16-May-24	11:46	16-May-24	16:51	1.2	1.2
Bi [µg/g]	16-May-24	11:46	16-May-24	16:51	0.96	1.3
Ca [µg/g]	16-May-24	11:46	16-May-24	16:51	28000	26000
Cd [µg/g]	16-May-24	11:46	16-May-24	16:51	0.70	0.46
Co [µg/g]	16-May-24	11:46	16-May-24	16:51	16	13
Cr [µg/g]	16-May-24	11:46	16-May-24	16:51	63	57
Cu [µg/g]	16-May-24	11:46	16-May-24	16:51	110	90
Fe [µg/g]	16-May-24	11:46	16-May-24	16:51	110000	110000
K [µg/g]	16-May-24	11:46	16-May-24	16:51	14000	14000
Li [µg/g]	16-May-24	11:46	16-May-24	16:51	21	20
Mg [µg/g]	16-May-24	11:46	16-May-24	16:51	11000	10000
Mn [µg/g]	16-May-24	11:46	16-May-24	16:51	530	450
Mo [µg/g]	16-May-24	11:46	16-May-24	16:51	9.0	11
Ni [µg/g]	16-May-24	11:46	16-May-24	16:51	38	34
P [µg/g]	16-May-24	11:46	12-Jun-24	12:00	560	570
Pb [µg/g]	16-May-24	11:46	16-May-24	16:51	320	370
Sb [µg/g]	16-May-24	11:46	16-May-24	16:51	3.3	3.7
Se [µg/g]	16-May-24	11:46	16-May-24	16:51	1.1	1.3
Sn [µg/g]	16-May-24	11:46	16-May-24	16:51	< 6	< 6
Sr [µg/g]	16-May-24	11:46	16-May-24	16:51	250	250
Ti [µg/g]	16-May-24	11:46	16-May-24	16:51	1500	1700
Tl [µg/g]	16-May-24	11:46	16-May-24	16:51	0.50	0.42
U [µg/g]	16-May-24	11:46	16-May-24	16:51	1.2	1.3

**SGS Canada Inc.**

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mel
Works #: TAILINGS-SOLID

Project : PO#1380289

LR Report : CA19123-MAY24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid - Composite
V [µg/g]	16-May-24	11:46	16-May-24	16:51	61	53
Y [µg/g]	16-May-24	11:46	16-May-24	16:51	6.8	6.2
Zn [µg/g]	16-May-24	11:46	16-May-24	16:51	180	100

Revised report with Phosphorus and QC Report added.

Bulk Metals Suite

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

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: EMS0157-MAY24													
Calcium	3	µg/g	<3			1		99			74		
Phosphorus	3	µg/g	<3			5		97			87		
Potassium	3	µg/g	<3			1		103			91		
Cyanide by SFA - QCBatchID: SKA5052-MAY24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	101	80	120	92	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0157-MAY24													
Aluminum	3	µg/g	<3			1	20	107	70	130	77	70	130
Antimony	0.8	µg/g	<0.8			7	20	101	70	130	108	70	130
Arsenic	0.5	µg/g	<0.5			0	20	108	70	130	104	70	130
Barium	0.01	µg/g	<0.01			1	20	105	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			3	20	103	70	130	81	70	130
Bismuth	0.09	µg/g	<0.09			2	20	107	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			1	20	106	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			2	20	106	70	130	84	70	130
Cobalt	0.01	µg/g	<0.01			3	20	106	70	130	95	70	130
Copper	0.1	µg/g	<0.1			3	20	107	70	130	105	70	130
Iron	3	µg/g	<3			0	20	101	70	130	97	70	130
Lead	0.05	µg/g	<0.05			0	20	105	70	130	102	70	130
Lithium	2	µg/g	<2			1	20	104	70	130	99	70	130
Magnesium	3	µg/g	<3			1	20	107	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			0	20	108	70	130	98	70	130
Molybdenum	0.1	µg/g	<0.1			4	20	101	70	130	98	70	130
Nickel	0.1	µg/g	<0.1			0	20	110	70	130	112	70	130
Selenium	0.1	µg/g	<0.1			3	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	103	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	106	70	130	95	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	92	70	130	80	70	130
Uranium	0.002	µg/g	<0.002			3	20	99	70	130	90	70	130
Vanadium	1	µg/g	<1			0	20	101	70	130	93	70	130
Yttrium	0.004	µg/g	<0.004			1	20	104	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			4	20	108	70	130	100	70	130



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Meliadine

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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

27-June-2024

Date Rec. : 04 June 2024
LR Report: CA19312-JUN24
Reference: Meliadine - PO#1380289

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					02-Jun-24 08:30	02-Jun-24 08:30	02-Jun-24 08:30
Paste pH [no unit]	13-Jun-24	10:41	14-Jun-24	11:27	8.55	8.47	8.53
Fizz Rate [rating]	12-Jun-24	13:05	14-Jun-24	11:27	4	4	4
Sample weight [g]	11-Jun-24	20:35	14-Jun-24	11:27	2.03	2.01	2.02
HCl_add [mL]	13-Jun-24	15:21	14-Jun-24	11:27	65.10	70.10	70.20
HCl [Normality]	12-Jun-24	15:31	14-Jun-24	11:27	0.10	0.10	0.10
NaOH [Normality]	12-Jun-24	15:31	14-Jun-24	11:27	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	13-Jun-24	16:00	14-Jun-24	11:27	33.66	38.29	39.28
Final pH [no unit]	13-Jun-24	15:38	14-Jun-24	11:27	1.66	1.72	1.61
NP [t CaCO3/1000 t]	13-Jun-24	20:51	14-Jun-24	11:27	77.4	79.1	76.5
AP [t CaCO3/1000 t]	24-Jun-24	12:07	24-Jun-24	12:08	42.8	42.2	45.6
Net NP [t CaCO3/1000 t]	24-Jun-24	12:08	24-Jun-24	12:08	34.6	36.9	30.9
NP/AP [ratio]	24-Jun-24	12:08	24-Jun-24	12:08	1.81	1.87	1.68
S [%]	21-Jun-24	06:01	24-Jun-24	12:07	1.55	1.59	1.59
Acid Leachable SO4-S [%]	24-Jun-24	12:07	24-Jun-24	12:07	0.18	0.24	0.13
Sulphide [%]	24-Jun-24	11:12	24-Jun-24	12:07	1.37	1.35	1.46
C [%]	21-Jun-24	06:01	21-Jun-24	14:59	1.34	1.34	1.33



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Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19312-JUN24

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 [%]	21-Jun-24	12:42	21-Jun-24	14:59	0.48	0.54	0.57

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0032-JUN24													
Carbon (total)	0.005	%	<0.005			0	20				101	70	13
Sulphur (total)	0.005	%	<0.005			2	20				100	70	13
Carbon/Sulphur - QCBatchID: ECS0035-JUN24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			14	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0041-JUN24													
Sulphide	0.04	%	< 0.01			5	20	120	80	120			



SGS Canada Inc.

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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

27-June-2024

Date Rec. : 04 June 2024
LR Report: CA19313-JUN24
Reference: Meliadine - PO#1380289

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					02-Jun-24 08:30	02-Jun-24 08:30	02-Jun-24 08:30
CN(T) [µg/g]	10-Jun-24	14:16	11-Jun-24	16:27	29	22	35
CN(Free) [µg/g]	11-Jun-24	11:50	18-Jun-24	16:23	0.07	0.05	0.07
CNWAD [µg/g]	10-Jun-24	14:16	18-Jun-24	16:21	< 10	11	< 10
Ag [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	54000	52000	54000
As [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	10000	11000	10000
Ba [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	540	490	580
Be [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	1.2	1.3	1.2
Bi [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	1.1	0.98	1.1
Ca [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	24000	25000	24000
Cd [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	0.39	0.31	0.39
Co [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	11	11	12
Cr [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	57	77	110
Cu [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	84	71	84
Fe [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	120000	130000	120000
K [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	14000	14000	14000



SGS Canada Inc.

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

mel
Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19313-JUN24

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
Li [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	18	19	19
Mg [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	10000	10000	10000
Mn [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	430	420	430
Mo [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	9.2	9.8	9.5
Ni [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	27	28	28
P [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	560	600	550
Pb [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	420	380	430
Sb [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	2.8	3.1	2.9
Se [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	1.1	1.0	1.0
Sn [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	< 6	< 6	< 6
Sr [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	240	250	250
Ti [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	1500	1600	1500
Tl [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	0.39	0.39	0.37
U [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	1.2	1.2	1.2
V [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	49	50	49
Y [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	6.0	6.2	5.9
Zn [µg/g]	12-Jun-24	17:53	13-Jun-24	10:57	99	83	98

Bulk Metals Suite + Cyanide

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

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: EMS0099-JUN24													
Calcium	3	µg/g	<3			2		95			74		
Phosphorus	3	µg/g	<3			2		96			89		
Potassium	3	µg/g	<3			2		106			96		
Cyanide by SFA - QCBatchID: SKA5033-JUN24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	106	80	120	94	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0099-JUN24													
Aluminum	3	µg/g	<3			0	20	98	70	130	81	70	130
Antimony	0.8	µg/g	<0.8			0	20	92	70	130	105	70	130
Arsenic	0.5	µg/g	<0.5			2	20	99	70	130	103	70	130
Barium	0.01	µg/g	<0.01			2	20	91	70	130	99	70	130
Beryllium	0.02	µg/g	<0.02			5	20	91	70	130	86	70	130
Bismuth	0.09	µg/g	<0.09			6	20	94	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			7	20	99	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			13	20	99	70	130	80	70	130
Cobalt	0.01	µg/g	<0.01			4	20	99	70	130	90	70	130
Copper	0.1	µg/g	<0.1			3	20	100	70	130	98	70	130
Iron	3	µg/g	<3			2	20	99	70	130	98	70	130
Lead	0.05	µg/g	<0.05			0	20	92	70	130	96	70	130
Lithium	2	µg/g	<2			0	20	92	70	130	103	70	130
Magnesium	3	µg/g	<3			1	20	107	70	130	102	70	130
Manganese	0.1	µg/g	<0.1			4	20	99	70	130	91	70	130
Molybdenum	0.1	µg/g	<0.1			5	20	100	70	130	105	70	130
Nickel	0.1	µg/g	<0.1			5	20	100	70	130	104	70	130
Selenium	0.1	µg/g	<0.1			1	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			7	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	96	70	130	88	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			2	20	108	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	100	70	130	84	70	130
Uranium	0.002	µg/g	<0.002			4	20	94	70	130	86	70	130
Vanadium	1	µg/g	<1			2	20	98	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			2	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	98	70	130	93	70	130

**SGS Canada Inc.**

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mel
Works #: TAILINGS-SOLID

Project : PO#1380289

30-July-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 July 2024
LR Report: CA19611-JUL24
Reference: PO#1380289

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					02-Jul-24 15:30	02-Jul-24 15:30
Paste pH [no unit]	17-Jul-24	12:25	17-Jul-24	14:22	8.50	8.50
Fizz Rate [rating]	15-Jul-24	08:55	17-Jul-24	14:22	4	4
Sample weight [g]	12-Jul-24	17:20	17-Jul-24	14:22	2.00	2.02
HCl_add [mL]	12-Jul-24	17:20	17-Jul-24	14:22	86.10	60.00
HCl [Normality]	15-Jul-24	09:11	17-Jul-24	14:22	0.10	0.10
NaOH [Normality]	15-Jul-24	09:11	17-Jul-24	14:22	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Jul-24	11:47	17-Jul-24	14:22	47.34	26.31
Final pH [no unit]	16-Jul-24	11:47	17-Jul-24	14:22	1.56	1.73
NP [t CaCO3/1000 t]	16-Jul-24	17:41	17-Jul-24	14:22	96.9	83.4
AP [t CaCO3/1000 t]	12-Jul-24	17:20	17-Jul-24	08:44	65.3	44.7
Net NP [t CaCO3/1000 t]	12-Jul-24	17:20	17-Jul-24	08:44	31.6	38.7
NP/AP [ratio]	12-Jul-24	17:20	17-Jul-24	08:44	1.48	1.87
S [%]	15-Jul-24	12:09	17-Jul-24	13:04	2.19	1.57
Acid Leachable SO4-S [%]	16-Jul-24	11:13	17-Jul-24	13:04	0.10	0.14
Sulphide [%]	16-Jul-24	11:10	17-Jul-24	13:04	2.09	1.43
C [%]	15-Jul-24	12:08	17-Jul-24	13:04	1.96	1.74
CO3 (HCl) as %CO3 [%]	16-Jul-24	08:29	17-Jul-24	13:04	7.46	6.36

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*

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: ECS0053-JUL24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	130
Sulphur (total)	0.005	%	<0.005			0	20				99	70	130
Carbon/Sulphur - QCBatchID: ECS0054-JUL24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	100	80	120			
Carbon/Sulphur - QCBatchID: ECS0055-JUL24													
Sulphide	0.04	%	< 0.01			0	20	119	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine

, Nunavut

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

14-August-2024

Date Rec. : 22 July 2024
LR Report: CA19844-JUL24
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 07-14-24	7: Tailings -Solid Composite 07-01-24
Sample Date & Time					14-Jul-24 15:00	14-Jul-24 15:00	01-Jul-24 14:00
CN(T) [µg/g]	08-Aug-24	13:40	13-Aug-24	15:02	20	< 10	18
CN(Free) [µg/g]	07-Aug-24	10:07	08-Aug-24	08:32	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	08-Aug-24	13:40	13-Aug-24	15:02	< 10	< 10	< 10
Ag [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	54000	52000	52000
As [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	7800	7800	7200
Ba [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	480	460	480
Be [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	1.2	1.2	1.1
Bi [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.68	0.72	0.78
Ca [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	24000	25000	24000
Cd [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.33	0.39	0.28
Co [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	12	12	10
Cr [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	54	71	140
Cu [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	70	72	62
Fe [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	99000	110000	110000
K [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	14000	13000	13000
Li [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	19	19	18

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite 07-14-24	7: Tailings -Solid Composite 07-01-24
Mg [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	9100	9600	8500
Mn [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	390	420	390
Mo [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	7.8	9.1	8.2
Ni [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	33	33	25
P [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	490	550	500
Pb [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	140	150	220
Sb [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	2.5	2.6	2.2
Se [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.7	0.8	0.6
Sn [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	< 6	< 6	< 6
Sr [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	240	230	240
Ti [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	1500	1500	1400
Tl [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	0.43	0.43	0.37
U [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	1.2	1.2	1.2
V [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	51	51	46
Y [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	6.0	6.1	6.2
Zn [µg/g]	30-Jul-24	15:28	31-Jul-24	08:54	100	110	84

Bulk Metals Suite



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

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: EMS0239-JUL24													
Calcium	3	µg/g	<3			0		101			73		
Phosphorus	3	µg/g	<3			1		108			81		
Potassium	3	µg/g	<3			1		107			86		
Cyanide by SFA - QCBatchID: SKA5018-AUG24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	97	80	120	85	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0239-JUL24													
Aluminum	3	µg/g	<3			0	20	104	70	130	74	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	78	70	130
Arsenic	0.5	µg/g	<0.5			1	20	100	70	130	91	70	130
Barium	0.01	µg/g	<0.01			0	20	93	70	130	95	70	130
Beryllium	0.02	µg/g	<0.02			1	20	101	70	130	79	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	92	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			4	20	104	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	99	70	130	72	70	130
Cobalt	0.01	µg/g	<0.01			0	20	100	70	130	82	70	130
Copper	0.1	µg/g	<0.1			1	20	104	70	130	91	70	130
Iron	3	µg/g	<3			1	20	95	70	130	89	70	130
Lead	0.05	µg/g	<0.05			3	20	90	70	130	92	70	130
Lithium	2	µg/g	<2			2	20	96	70	130	96	70	130
Magnesium	3	µg/g	<3			1	20	106	70	130	85	70	130
Manganese	0.1	µg/g	<0.1			1	20	102	70	130	81	70	130
Molybdenum	0.1	µg/g	<0.1			ND	20	95	70	130	100	70	130
Nickel	0.1	µg/g	<0.1			1	20	103	70	130	97	70	130
Selenium	0.1	µg/g	<0.1			1	20	98	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	101	70	130	91	70	130
Thallium	0.02	µg/g	<0.02			ND	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	100	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	94	70	130	71	70	130
Uranium	0.002	µg/g	<0.002			13	20	97	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	102	70	130	86	70	130
Yttrium	0.004	µg/g	<0.004			2	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	101	70	130	94	70	130



SGS Canada Inc.

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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

31-July-2024

Date Rec. : 22 July 2024
LR Report: CA19843-JUL24
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 07-14-24	7: Tailings -Solid Composite 07-01-24
Sample Date & Time					14-Jul-24 15:00	14-Jul-24 15:00	01-Jul-24 14:00
Paste pH [no unit]	25-Jul-24	13:44	26-Jul-24	09:33	8.45	8.46	8.46
Fizz Rate [rating]	24-Jul-24	13:53	26-Jul-24	09:33	4	4	4
Sample weight [g]	24-Jul-24	13:16	26-Jul-24	09:33	1.99	2.02	2.01
HCl_add [mL]	25-Jul-24	15:07	26-Jul-24	09:33	60.50	70.50	61.10
HCl [Normality]	24-Jul-24	16:27	26-Jul-24	09:33	0.10	0.10	0.10
NaOH [Normality]	24-Jul-24	16:27	26-Jul-24	09:33	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25-Jul-24	17:32	26-Jul-24	09:33	28.94	36.35	28.88
Final pH [no unit]	25-Jul-24	16:30	26-Jul-24	09:33	1.81	1.75	1.83
NP [t CaCO3/1000 t]	25-Jul-24	17:32	26-Jul-24	09:33	79.3	84.5	80.2
AP [t CaCO3/1000 t]	31-Jul-24	08:48	31-Jul-24	08:49	40.0	44.1	40.9
Net NP [t CaCO3/1000 t]	31-Jul-24	08:48	31-Jul-24	08:49	39.3	40.4	39.3
NP/AP [ratio]	31-Jul-24	08:48	31-Jul-24	08:49	1.98	1.92	1.96
S [%]	30-Jul-24	18:44	31-Jul-24	08:48	1.26	1.47	1.27
Acid Leachable SO4-S [%]	30-Jul-24	13:59	31-Jul-24	08:48	< 0.04	0.06	< 0.04
Sulphide [%]	30-Jul-24	13:32	31-Jul-24	08:48	1.28	1.41	1.31
C [%]	29-Jul-24	15:05	30-Jul-24	10:57	1.43	1.51	1.35



SGS Canada Inc.

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

mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : CA19843-JUL24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite 07-14-24	7: Tailings -Solid Composite 07-01-24
CO3 (HCl) as %CO3 [%]	30-Jul-24	10:10	30-Jul-24	10:57	6.33	6.77	6.12

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times 31.25$

*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

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: ECS0094-JUL24													
Carbon (total)	0.005	%	<0.005			1	20				100	70	13
Sulphur (total)	0.005	%	<0.005			6	20				98	70	13
Carbon/Sulphur - QCBatchID: ECS0097-JUL24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	95	80	120			
Carbon/Sulphur - QCBatchID: ECS0098-JUL24													
Sulphide	0.04	%	< 0.01			9	20	119	80	120			
Carbon/Sulphur - QCBatchID: ECS0100-JUL24													
Sulphur (total)	0.005	%	<0.005			2	20				103	70	13



SGS Canada Inc.

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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

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

mel
Works #: TAILINGS-SOLID
Project : PO#1380289

30-July-2024

Date Rec. : 08 July 2024
LR Report: CA19612-JUL24
Reference: PO#1380289

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					02-Jul-24 15:30	02-Jul-24 15:30
CN(T) [µg/g]	15-Jul-24	12:12	17-Jul-24	15:12	31	27
CN(Free) [µg/g]	12-Jul-24	10:54	15-Jul-24	09:33	< 0.05	< 0.05
CNWAD [µg/g]	15-Jul-24	12:12	17-Jul-24	08:17	< 10	< 10
Ag [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	< 0.5	< 0.5
Al [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	69000	70000
As [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	11000	5300
Ba [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	560	540
Be [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	1.4	1.3
Bi [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	0.97	0.60
Ca [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	27000	25000
Cd [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	1.1	0.73
Co [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	24	20
Cr [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	62	79
Cu [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	140	120
Fe [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	87000	93000
K [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	19000	18000

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]	26-Jul-24	13:56	30-Jul-24	13:10	16	19
Mg [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	11000	11000
Mn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	550	480
Mo [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	7.8	7.5
Ni [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	51	46
P [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	590	530
Pb [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	250	140
Sb [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	3.4	1.9
Se [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	1.6	1.1
Sn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	< 6	< 6
Sr [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	210	250
Ti [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	1500	1700
Tl [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	0.81	0.63
U [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	1.5	1.5
V [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	77	70
Y [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	7.2	6.7
Zn [µg/g]	26-Jul-24	13:56	30-Jul-24	13:10	320	240

Bulk Metals Suite

Catharine Arnold

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

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: EMS0205-JUL24													
Calcium	3	µg/g	<3			1		99			84		
Phosphorus	3	µg/g	<3			1		103			90		
Potassium	3	µg/g	<3			1		102			95		
Cyanide by SFA - QCBatchID: SKA5040-JUL24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	95	80	120	83	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0205-JUL24													
Aluminum	3	µg/g	<3			1	20	109	70	130	94	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	103	70	130
Arsenic	0.5	µg/g	<0.5			1	20	106	70	130	107	70	130
Barium	0.01	µg/g	<0.01			1	20	100	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			1	20	100	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			13	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	103	70	130	83	70	130
Cobalt	0.01	µg/g	<0.01			1	20	104	70	130	91	70	130
Copper	0.1	µg/g	<0.1			1	20	101	70	130	98	70	130
Iron	3	µg/g	<3			1	20	103	70	130	98	70	130
Lead	0.05	µg/g	<0.05			1	20	104	70	130	101	70	130
Lithium	2	µg/g	<2			1	20	95	70	130	89	70	130
Magnesium	3	µg/g	<3			1	20	105	70	130	97	70	130
Manganese	0.1	µg/g	<0.1			1	20	103	70	130	92	70	130
Molybdenum	0.1	µg/g	<0.1			ND	20	107	70	130	103	70	130
Nickel	0.1	µg/g	<0.1			1	20	110	70	130	108	70	130
Selenium	0.1	µg/g	<0.1			ND	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	102	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	104	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	104	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	99	70	130	86	70	130
Uranium	0.002	µg/g	<0.002			1	20	104	70	130	96	70	130
Vanadium	1	µg/g	<1			1	20	103	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			1	20	99	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	107	70	130	99	70	130



SGS Canada Inc.

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mel

Project : PO#1380289

14-August-2024

Date Rec. : 16 July 2024

LR Report: CA19939-JUL24

Reference: Meliadine - PO#1380289

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 Composite	6: Tailings -Solid Composite	7: Tailings -Solid Composite	8: Tailings -Solid Composite	9: Tailings -Solid Composite	10: Tailings -Solid Composite
					CA19168-JAN24	CA19137-FEB24	CA19378-MAR24	CA19667-APR24	CA19122-MAY24	CA19312-JUN24
							4	4	4	
Sample Date & Time					14-Jan-24	12-Feb-24	10-Mar-24	07-Apr-24	05-May-24	04-May-24
Paste pH [no unit]	13-Aug-24	15:45	14-Aug-24	09:55	8.16	8.30	8.28	8.24	8.29	8.35
Fizz Rate [rating]	12-Aug-24	14:35	14-Aug-24	09:55	4	4	4	4	4	4
Sample weight [g]	09-Aug-24	20:08	14-Aug-24	09:55	2.03	2.02	2.01	2.02	2.04	2.01
HCl_add [mL]	13-Aug-24	14:57	14-Aug-24	09:55	54.90	55.10	70.10	69.90	60.00	60.00
HCl [Normality]	12-Aug-24	14:35	14-Aug-24	09:55	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	12-Aug-24	15:58	14-Aug-24	09:55	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	13-Aug-24	17:08	14-Aug-24	09:55	22.59	21.72	33.78	37.85	28.22	29.93
Final pH [no unit]	13-Aug-24	16:12	14-Aug-24	09:55	1.87	1.90	1.57	1.57	1.76	1.92
NP [t CaCO3/1000 t]	13-Aug-24	17:34	14-Aug-24	09:55	79.6	82.6	90.3	79.3	77.9	74.8
AP [t CaCO3/1000 t]	14-Aug-24	09:55	14-Aug-24	09:55	46.6	45.6	40.9	46.2	49.4	48.1
Net NP [t CaCO3/1000 t]	14-Aug-24	09:55	14-Aug-24	09:55	33.0	37.0	49.4	33.0	28.5	26.7
NP/AP [ratio]	14-Aug-24	09:55	14-Aug-24	09:55	1.71	1.81	2.21	1.71	1.58	1.55
S [%]	06-Aug-24	07:09	06-Aug-24	13:50	1.57	1.52	1.43	1.55	1.67	1.66
Acid Leachable SO4-S [%]	06-Aug-24	13:49	06-Aug-24	13:50	0.08	0.06	0.12	0.07	0.09	0.12
Sulphide [%]	06-Aug-24	11:36	06-Aug-24	13:50	1.49	1.46	1.31	1.48	1.58	1.54
C [%]	06-Aug-24	07:09	06-Aug-24	13:50	1.46	1.53	1.57	1.42	1.34	1.36
CO3 (HCl) as %CO3 [%]	07-Aug-24	10:02	07-Aug-24	17:40	6.53	6.67	7.10	6.44	6.16	6.21

Online LIMS



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Project : PO#1380289

LR Report : CA19939-JUL24

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0010-AUG24													
Carbon (total)	0.005	%	<0.005			1	20				102	70	13
Sulphur (total)	0.005	%	<0.005			2	20				102	70	13
Carbon/Sulphur - QCBatchID: ECS0012-AUG24													
Sulphide	0.04	%	< 0.01			Error!	20	Error!	80	120			
Carbon/Sulphur - QCBatchID: ECS0017-AUG24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	102	80	120			



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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

23-August-2024

Date Rec. : 02 August 2024
LR Report: CA19007-AUG24
Reference: Meliadine - PO#1380289

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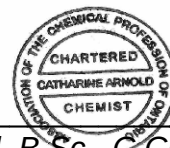
CERTIFICATE OF ANALYSIS

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					28-Jul-24 14:30	28-Jul-24 14:30
CN(T) [µg/g]	14-Aug-24	09:51	19-Aug-24	08:29	36	39
CN(Free) [µg/g]	13-Aug-24	09:13	13-Aug-24	14:15	< 0.05	< 0.05
CNWAD [µg/g]	14-Aug-24	09:51	19-Aug-24	08:29	11	17
Ag [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	0.6	0.5
Al [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	56000	52000
As [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	9900	8400
Ba [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	530	470
Be [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	1.4	1.2
Bi [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	0.93	0.94
Ca [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	26000	25000
Cd [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	0.32	0.26
Co [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	14	11
Cr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	79	69
Cu [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	81	69
Fe [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	110000	110000
K [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	16000	14000

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]	19-Aug-24	12:24	20-Aug-24	11:39	22	19
Mg [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	11000	9900
Mn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	430	410
Mo [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	9.8	10.0
Ni [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	34	30
P [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	580	530
Pb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	390	340
Sb [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	2.5	2.0
Se [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	1.0	0.9
Sn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	< 6	< 6
Sr [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	240	240
Ti [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	1900	1800
Tl [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	0.46	0.37
U [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	1.3	1.2
V [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	62	53
Y [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	6.8	6.3
Zn [µg/g]	19-Aug-24	12:24	20-Aug-24	11:39	100	78

Bulk Metals Suite

Catharine Arnold

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

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: EMS0126-AUG24													
Calcium	3	µg/g	<3			2		102			81		
Phosphorus	3	µg/g	<3			4		99			90		
Potassium	3	µg/g	<3			3		103			93		
Cyanide by SFA - QCBatchID: SKA5046-AUG24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	90	80	120	90	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0126-AUG24													
Aluminum	3	µg/g	<3			2	20	102	70	130	77	70	130
Antimony	0.8	µg/g	<0.8			ND	20	96	70	130	85	70	130
Arsenic	0.5	µg/g	<0.5			6	20	105	70	130	95	70	130
Barium	0.01	µg/g	<0.01			5	20	102	70	130	92	70	130
Beryllium	0.02	µg/g	<0.02			3	20	107	70	130	90	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	100	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			10	20	107	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			0	20	108	70	130	88	70	130
Cobalt	0.01	µg/g	<0.01			1	20	107	70	130	95	70	130
Copper	0.1	µg/g	<0.1			0	20	102	70	130	102	70	130
Iron	3	µg/g	<3			4	20	103	70	130	97	70	130
Lead	0.05	µg/g	<0.05			18	20	102	70	130	102	70	130
Lithium	2	µg/g	<2			5	20	102	70	130	99	70	130
Magnesium	3	µg/g	<3			1	20	106	70	130	99	70	130
Manganese	0.1	µg/g	<0.1			1	20	105	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	102	70	130	106	70	130
Nickel	0.1	µg/g	<0.1			4	20	108	70	130	110	70	130
Selenium	0.1	µg/g	<0.1			15	20	104	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	104	70	130	93	70	130
Thallium	0.02	µg/g	<0.02			3	20	97	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	99	70	130	95	70	130
Uranium	0.002	µg/g	<0.002			4	20	102	70	130	92	70	130
Vanadium	1	µg/g	<1			6	20	109	70	130	103	70	130
Yttrium	0.004	µg/g	<0.004			2	20	109	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	108	70	130	103	70	130



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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, Nunavut
X0C 0A0, Canada

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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

30-August-2024

Date Rec. : 15 August 2024
LR Report: CA19067-AUG24
Reference: Meliadine - PO#1380289

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-Aug-24 06:30	12-Aug-24 06:40
CN(T) [µg/g]	23-Aug-24	09:44	23-Aug-24	16:22	35	25
CN(T) [%]	23-Aug-24	09:44	23-Aug-24	16:22	0.004	0.002
CN(Free) [µg/g]	26-Aug-24	09:27	26-Aug-24	14:15	0.07	0.11
CNWAD [µg/g]	23-Aug-24	09:44	23-Aug-24	16:22	< 10	< 10
CNWAD [%]	23-Aug-24	09:44	23-Aug-24	16:22	< 0.001	< 0.001
Ag [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	0.6	< 0.5
Al [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	62000	66000
As [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	13000	9700
Ba [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	380	520
Be [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	1.2	1.2
Bi [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	0.92	0.79
Ca [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	27000	26000
Cd [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	0.27	0.24
Co [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	9.6	12
Cr [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	120	110
Cu [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	73	75

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - Composite
Fe [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	120000	120000
K [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	13000	14000
Li [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	22	23
Mg [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	11000	11000
Mn [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	430	450
Mo [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	15	10
Ni [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	26	33
P [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	600	570
Pb [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	380	260
Sb [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	4.2	3.1
Se [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	1.1	1.0
Sn [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	< 6	< 6
Sr [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	280	240
Ti [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	1700	1700
Tl [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	0.36	0.40
U [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	1.3	1.3
V [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	49	59
Y [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	7.7	6.7
Zn [µg/g]	27-Aug-24	15:15	28-Aug-24	10:21	81	83

Bulk Metals Suite



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

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: EMS0240-AUG24													
Calcium	3	µg/g	<3			2		100			90		
Phosphorus	3	µg/g	<3			1		103			91		
Potassium	3	µg/g	<3			2		101			94		
Cyanide by SFA - QCBatchID: SKA5087-AUG24													
Cyanide (total)	0.001	%											
Cyanide by SFA - QCBatchID: SKA5091-AUG24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	96	80	120	86	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0240-AUG24													
Aluminum	3	µg/g	<3			1	20	95	70	130	103	70	130
Antimony	0.8	µg/g	<0.8			0	20	91	70	130	114	70	130
Arsenic	0.5	µg/g	<0.5			5	20	99	70	130	95	70	130
Barium	0.01	µg/g	<0.01			15	20	103	70	130	101	70	130
Beryllium	0.02	µg/g	<0.02			2	20	97	70	130	84	70	130
Bismuth	0.09	µg/g	<0.09			2	20	96	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			5	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			6	20	101	70	130	79	70	130
Cobalt	0.01	µg/g	<0.01			3	20	101	70	130	90	70	130
Copper	0.1	µg/g	<0.1			2	20	100	70	130	98	70	130
Iron	3	µg/g	<3			2	20	99	70	130	95	70	130
Lead	0.05	µg/g	<0.05			7	20	98	70	130	104	70	130
Lithium	2	µg/g	<2			1	20	99	70	130	96	70	130
Magnesium	3	µg/g	<3			2	20	103	70	130	92	70	130
Manganese	0.1	µg/g	<0.1			2	20	104	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	101	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			5	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	102	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	100	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			5	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			1	20	104	70	130	90	70	130
Uranium	0.002	µg/g	<0.002			3	20	96	70	130	97	70	130
Vanadium	1	µg/g	<1			3	20	98	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			6	20	98	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	104	70	130	96	70	130



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
, Nunavut
X0C 0A0, Canada

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

mel
Works #: TAILINGS-SOLID
Project : PO#1380289

30-August-2024

Date Rec. : 15 August 2024
LR Report: CA19066-AUG24
Reference: Meliadine - PO#1380289

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-Aug-24 06:30	12-Aug-24 06:40
Paste pH [no unit]	19-Aug-24	14:53	20-Aug-24	14:49	8.50	8.39
Fizz Rate [rating]	19-Aug-24	14:53	20-Aug-24	14:49	4	4
Sample weight [g]	19-Aug-24	06:20	20-Aug-24	14:49	2.01	2.01
HCl_add [mL]	20-Aug-24	06:49	20-Aug-24	14:49	85.00	80.00
HCl [Normality]	19-Aug-24	08:29	20-Aug-24	14:49	0.10	0.10
NaOH [Normality]	19-Aug-24	08:29	20-Aug-24	14:49	0.10	0.10
Vol NaOH to pH=8.3 [mL]	20-Aug-24	08:59	20-Aug-24	14:49	49.87	47.44
Final pH [no unit]	20-Aug-24	08:34	20-Aug-24	14:49	1.65	1.57
NP [t CaCO3/1000 t]	20-Aug-24	12:49	20-Aug-24	14:49	87.4	81.0
AP [t CaCO3/1000 t]	20-Aug-24	12:49	23-Aug-24	16:16	65.0	45.9
Net NP [t CaCO3/1000 t]	20-Aug-24	12:49	23-Aug-24	16:16	22.4	35.1
NP/AP [ratio]	20-Aug-24	12:49	23-Aug-24	16:16	1.34	1.76
S [%]	21-Aug-24	11:26	22-Aug-24	14:32	2.20	1.52
Acid Leachable SO4-S [%]	22-Aug-24	16:06	22-Aug-24	14:32	0.12	0.05
Sulphide [%]	22-Aug-24	16:06	22-Aug-24	14:32	2.08	1.47



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mel
Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19066-AUG24

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 [%]	21-Aug-24	11:26	22-Aug-24	14:33	1.40	1.32
CO3 (HCl) as %CO3 [%]	22-Aug-24	10:02	22-Aug-24	14:33	6.60	6.11

ABA - Modified Sobek

*NP (Neutralization Potential)

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

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

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: ECS0044-AUG24													
Carbon (total)	0.005	%	<0.005			2	20				98	70	13
Sulphur (total)	0.005	%	<0.005			2	20				102	70	13
Carbon/Sulphur - QCBatchID: ECS0054-AUG24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0055-AUG24													
Sulphide	0.04	%	< 0.01			9	20	116	80	120			



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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

23-August-2024

Date Rec. : 02 August 2024
LR Report: CA19006-AUG24
Reference: Meliadine - PO#1380289

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					28-Jul-24 14:30	28-Jul-24 14:30
Paste pH [no unit]	13-Aug-24	15:45	14-Aug-24	09:53	8.39	8.36
Fizz Rate [rating]	12-Aug-24	14:35	14-Aug-24	09:53	4	4
Sample weight [g]	09-Aug-24	20:08	14-Aug-24	09:53	2.01	1.99
HCl_add [mL]	13-Aug-24	14:57	14-Aug-24	09:53	60.00	55.00
HCl [Normality]	12-Aug-24	14:35	14-Aug-24	09:53	0.10	0.10
NaOH [Normality]	12-Aug-24	15:58	14-Aug-24	09:53	0.10	0.10
Vol NaOH to pH=8.3 [mL]	13-Aug-24	17:08	14-Aug-24	09:53	29.59	24.83
Final pH [no unit]	13-Aug-24	16:12	14-Aug-24	09:53	1.71	1.92
NP [t CaCO3/1000 t]	13-Aug-24	17:34	14-Aug-24	09:53	75.6	75.8
AP [t CaCO3/1000 t]	13-Aug-24	17:34	16-Aug-24	16:50	45.3	40.9
Net NP [t CaCO3/1000 t]	13-Aug-24	17:34	16-Aug-24	16:50	30.3	34.9
NP/AP [ratio]	13-Aug-24	17:34	16-Aug-24	16:50	1.67	1.85
S [%]	14-Aug-24	14:02	16-Aug-24	09:09	1.42	1.28
Acid Leachable SO4-S [%]	16-Aug-24	09:19	16-Aug-24	09:09	< 0.04	< 0.04
Sulphide [%]	16-Aug-24	09:19	16-Aug-24	09:09	1.45	1.31
C [%]	14-Aug-24	14:02	15-Aug-24	15:29	1.33	1.31



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Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19006-AUG24

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 [%]	15-Aug-24	13:18	15-Aug-24	15:29	5.81	6.11

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times 31.25$

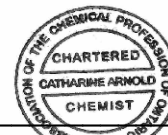
*Net NP (Net Neutralization Potential) = NP-AP

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



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: ECS0032-AUG24													
Carbon (total)	0.005	%	<0.005			1	20				97	70	13
Sulphur (total)	0.005	%	<0.005			10	20				99	70	13
Carbon/Sulphur - QCBatchID: ECS0035-AUG24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			11	20	97	80	120			
Carbon/Sulphur - QCBatchID: ECS0038-AUG24													
Sulphide	0.04	%	< 0.01			ND	20	105	80	120			



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mel
Works #: TAILINGS-SOLID
Project : PO#1254179

27-September-2024

Date Rec. : 28 August 2024
LR Report: CA19139-AUG24
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					25-Aug-24 10:00	25-Aug-24 10:00
Paste pH [no unit]	06-Sep-24	13:02	06-Sep-24	16:07	8.24	8.25
Fizz Rate [rating]	04-Sep-24	17:48	06-Sep-24	16:07	4	4
Sample weight [g]	04-Sep-24	15:20	06-Sep-24	16:07	2.02	2.04
HCl_add [mL]	06-Sep-24	07:46	06-Sep-24	16:07	73.00	75.00
HCl [Normality]	05-Sep-24	08:35	06-Sep-24	16:07	0.10	0.10
NaOH [Normality]	05-Sep-24	08:40	06-Sep-24	16:07	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Sep-24	09:11	06-Sep-24	16:07	41.16	43.01
Final pH [no unit]	06-Sep-24	08:47	06-Sep-24	16:07	1.59	1.61
NP [t CaCO3/1000 t]	06-Sep-24	09:20	06-Sep-24	16:07	78.8	78.4
AP [t CaCO3/1000 t]	06-Sep-24	09:20	06-Sep-24	16:07	35.6	41.2
Net NP [t CaCO3/1000 t]	06-Sep-24	09:20	06-Sep-24	16:07	43.2	37.2
NP/AP [ratio]	06-Sep-24	09:20	06-Sep-24	16:07	2.21	1.90
S [%]	03-Sep-24	17:40	04-Sep-24	17:04	1.33	1.52
Acid Leachable SO4-S [%]	04-Sep-24	16:24	04-Sep-24	17:04	0.19	0.20



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mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : CA19139-AUG24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - Composite
Sulphide [%]	04-Sep-24	16:19	04-Sep-24	17:04	1.14	1.32
C [%]	03-Sep-24	17:40	04-Sep-24	17:04	1.30	1.32
s [%]	05-Sep-24	07:32	05-Sep-24	09:07	5.89	6.18

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 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

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: ECS0003-SEP24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0004-SEP24													
Carbon (total)	0.005	%	0.0050			15	20				99	70	
Sulphur (total)	0.005	%	<0.005			13	20				95	70	
Carbon/Sulphur - QCBatchID: ECS0005-SEP24													
Sulphide	0.04	%	< 0.01			0	20	112	80	120			

**SGS Canada Inc.**

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mel
Works #: TAILINGS-SOLID

Project : PO#1380289

13-September-2024

Agnico Eagle Mines Limited

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

Date Rec. : 28 August 2024
LR Report: CA19140-AUG24
Reference: PO# 1380289

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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					25-Aug-24 10:00	25-Aug-24 10:00
CN(T) [µg/g]	11-Sep-24	13:48	13-Sep-24	08:14	28	31
CN(Free) [µg/g]	11-Sep-24	10:10	11-Sep-24	14:54	< 0.05	< 0.05
CNWAD [µg/g]	11-Sep-24	13:48	13-Sep-24	08:14	< 10	< 10
Ag [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	< 0.5	0.5
Al [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	57000	55000
As [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	7900	9300
Ba [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	540	490
Be [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	1.3	1.2
Bi [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	0.77	0.77
Ca [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	25000	25000
Cd [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	0.24	0.20
Co [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	11	9.9
Cr [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	75	73
Cu [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	72	73
Fe [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	100000	110000
K [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	14000	13000
Li [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	23	23
Mg [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	9500	9400
Mn [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	410	400
Mo [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	11	12
Ni [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	32	27
P [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	540	520
Pb [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	160	230
Sb [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	2.6	3.0
Se [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	0.8	0.9
Sn [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	< 6	< 6
Sr [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	250	250
Ti [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	1700	1600
Tl [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	0.39	0.35

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Lakefield - Ontario - KOL 2H0
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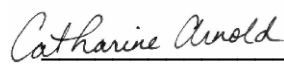
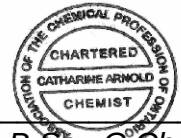
mel
Works #: TAILINGS-SOLID

Project : PO#1380289

LR Report : CA19140-AUG24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - Composite
U [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	1.3	1.2
V [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	53	50
Y [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	6.4	6.1
Zn [µg/g]	06-Sep-24	14:17	09-Sep-24	08:08	77	75

Bulk Metals Suite



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

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: EMS0033-SEP24													
Calcium	3	µg/g	<3			2		99			80		
Phosphorus	3	µg/g	<3			4		94			87		
Potassium	3	µg/g	<3			3		99			91		
Cyanide by SFA - QCBatchID: SKA5026-SEP24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	98	80	120	82	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0033-SEP24													
Aluminum	3	µg/g	<3			3	20	93	70	130	82	70	130
Antimony	0.8	µg/g	<0.8			2	20	91	70	130	118	70	130
Arsenic	0.5	µg/g	<0.5			0	20	93	70	130	88	70	130
Barium	0.01	µg/g	<0.01			2	20	95	70	130	99	70	130
Beryllium	0.02	µg/g	<0.02			2	20	97	70	130	92	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	97	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	94	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			4	20	95	70	130	81	70	130
Cobalt	0.01	µg/g	<0.01			3	20	92	70	130	89	70	130
Copper	0.1	µg/g	<0.1			2	20	94	70	130	100	70	130
Iron	3	µg/g	<3			2	20	97	70	130	95	70	130
Lead	0.05	µg/g	<0.05			6	20	95	70	130	108	70	130
Lithium	2	µg/g	<2			2	20	100	70	130	111	70	130
Magnesium	3	µg/g	<3			2	20	102	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			2	20	94	70	130	90	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	100	70	130	94	70	130
Nickel	0.1	µg/g	<0.1			2	20	97	70	130	106	70	130
Selenium	0.1	µg/g	<0.1			6	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	100	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			3	20	92	70	130	92	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	96	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	95	70	130	83	70	130
Uranium	0.002	µg/g	<0.002			1	20	92	70	130	101	70	130
Vanadium	1	µg/g	<1			2	20	94	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			3	20	95	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	94	70	130	95	70	130



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

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

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine

, Nunavut

X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

mel
Works #: TAILINGS-SOLID
Project : PO#1380289

24-September-2024

Date Rec. : 12 September 2024
LR Report: CA19370-SEP24
Reference: Meliadine - PO#1380289

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					08-Sep-24 11:50	08-Sep-24 12:10
Paste pH [no unit]	19-Sep-24	09:20	20-Sep-24	14:51	8.49	8.50
Fizz Rate [rating]	18-Sep-24	16:06	20-Sep-24	14:51	4	4
Sample weight [g]	18-Sep-24	14:16	20-Sep-24	14:51	2.01	2.03
HCl_add [mL]	19-Sep-24	14:52	20-Sep-24	14:51	70.00	70.00
HCl [Normality]	18-Sep-24	16:14	20-Sep-24	14:51	0.10	0.10
NaOH [Normality]	18-Sep-24	16:14	20-Sep-24	14:51	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Sep-24	16:34	20-Sep-24	14:51	39.59	37.31
Final pH [no unit]	19-Sep-24	16:23	20-Sep-24	14:51	1.60	1.74
NP [t CaCO3/1000 t]	19-Sep-24	16:58	20-Sep-24	14:51	75.7	80.5
AP [t CaCO3/1000 t]	19-Sep-24	16:58	20-Sep-24	14:52	33.1	39.4
Net NP [t CaCO3/1000 t]	19-Sep-24	16:58	20-Sep-24	14:52	42.6	41.1
NP/AP [ratio]	19-Sep-24	16:58	20-Sep-24	14:52	2.29	2.04
S [%]	19-Sep-24	08:21	19-Sep-24	14:46	1.10	1.27
Acid Leachable SO4-S [%]	19-Sep-24	13:49	19-Sep-24	14:46	< 0.04	< 0.04
Sulphide [%]	19-Sep-24	13:48	19-Sep-24	14:46	1.06	1.26
C [%]	19-Sep-24	08:21	19-Sep-24	14:46	1.26	1.34



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

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

mel
Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19370-SEP24

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 [%]	20-Sep-24	08:28	20-Sep-24	09:40	5.92	6.20

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times$ 31.25

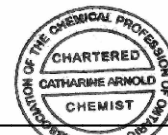
*Net NP (Net Neutralization Potential) = NP-AP

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



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: ECS0046-SEP24													
Carbon (total)	0.005	%	<0.005			0	20				100	70	13
Sulphur (total)	0.005	%	<0.005			2	20				100	70	13
Carbon/Sulphur - QCBatchID: ECS0051-SEP24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			1	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0054-SEP24													
Sulphide	0.04	%	< 0.01			10	20	105	80	120			



SGS Canada Inc.

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

Agnico Eagle Mines Limited

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, Nunavut
X0C 0A0, Canada

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

mel
Works #: TAILINGS-SOLID
Project : PO#1254179

18-October-2024

Date Rec. : 26 September 2024
LR Report: CA19443-SEP24
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: Tailings - Solid	6: Tailings -Solid Composite
Sample Date & Time					23-Sep-24 10:00	23-Sep-24 10:05
Paste pH [no unit]	15-Oct-24	16:31	16-Oct-24	13:17	8.53	8.52
Fizz Rate [rating]	15-Oct-24	08:07	16-Oct-24	13:17	4	4
Sample weight [g]	16-Oct-24	07:12	18-Oct-24	10:59	2.01	2.00
HCl_add [mL]	17-Oct-24	07:25	18-Oct-24	10:59	44.00	90.00
HCl [Normality]	16-Oct-24	09:00	18-Oct-24	10:59	0.10	0.10
NaOH [Normality]	16-Oct-24	09:00	18-Oct-24	10:59	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Oct-24	12:41	18-Oct-24	10:59	29.95	55.90
Final pH [no unit]	17-Oct-24	09:01	18-Oct-24	10:59	1.82	1.50
NP [t CaCO3/1000 t]	17-Oct-24	12:45	18-Oct-24	10:59	35.0	85.3
AP [t CaCO3/1000 t]	17-Oct-24	12:45	18-Oct-24	10:59	34.4	33.8
Net NP [t CaCO3/1000 t]	17-Oct-24	12:45	18-Oct-24	10:59	0.62	51.6
NP/AP [ratio]	17-Oct-24	12:45	18-Oct-24	10:59	1.02	2.53
S [%]	03-Oct-24	06:03	03-Oct-24	16:34	1.44	1.29
Acid Leachable SO4-S [%]	03-Oct-24	16:34	03-Oct-24	16:34	0.34	0.21
Sulphide [%]	03-Oct-24	16:28	03-Oct-24	16:34	1.10	1.08



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

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

mel
Works #: TAILINGS-SOLID
Project : PO#1254179
LR Report : CA19443-SEP24

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 [%]	03-Oct-24	06:03	03-Oct-24	16:34	1.40	1.32
CO3 (HCl) as %CO3 [%]	04-Oct-24	08:21	04-Oct-24	09:24	6.44	6.15

Reissued with inclusion of QC Report

ABA - Modified Sobek

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

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

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: ECS0011-OCT24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			0	20	99	80	120			
Carbon/Sulphur - QCBatchID: ECS0012-OCT24													
Carbon (total)	0.005	%	<0.005			0	20				97	70 130	
Sulphur (total)	0.005	%	<0.005			2	20				104	70 130	
Carbon/Sulphur - QCBatchID: ECS0017-OCT24													
Sulphide	0.04	%	< 0.01			14	20	102	80	120			



SGS Canada Inc.

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Lakefield - Ontario - KOL 2H0

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine

, Nunavut

X0C 0A0, Canada

Phone: (819) 759-3555

Fax: (819) 759-3663

mel
Works #: TAILINGS-SOLID
Project : PO#1380289

04-October-2024

Date Rec. : 12 September 2024
LR Report: CA19371-SEP24
Reference: Meliadine - PO#1380289

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					08-Sep-24 11:50	08-Sep-24 12:10
CN(T) [µg/g]	25-Sep-24	14:43	26-Sep-24	15:23	30	20
CN(Free) [µg/g]	23-Sep-24	21:24	24-Sep-24	15:48	< 0.05	< 0.05
CNWAD [µg/g]	25-Sep-24	14:43	26-Sep-24	15:23	10	< 10
Ag [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	< 0.5	< 0.5
Al [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	63000	55000
As [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	6300	6900
Ba [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	620	600
Be [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	1.3	1.2
Bi [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.61	0.78
Ca [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	26000	26000
Cd [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.22	0.26
Co [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	12	12
Cr [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	72	81
Cu [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	78	70
Fe [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	94000	100000
K [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	15000	14000

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]	27-Sep-24	01:40	27-Sep-24	16:18	21	19
Mg [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	10000	9700
Mn [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	420	420
Mo [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	8.3	8.2
Ni [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	32	30
P [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	530	510
Pb [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	220	250
Sb [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	2.0	2.0
Se [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.7	0.7
Sn [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	< 6	< 6
Sr [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	270	260
Ti [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	2000	1700
Tl [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	0.43	0.42
U [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	1.3	1.2
V [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	57	53
Y [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	6.3	6.2
Zn [µg/g]	27-Sep-24	01:40	27-Sep-24	16:18	72	72

Bulk Metals Suite



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

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: EMS0275-SEP24													
Calcium	3	µg/g	<3			1		103			88		
Phosphorus	3	µg/g	<3			16		100			93		
Potassium	3	µg/g	<3			1		103			96		
Cyanide by SFA - QCBatchID: SKA5077-SEP24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	102	80	120	88	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0275-SEP24													
Aluminum	3	µg/g	<3			1	20	102	70	130	88	70	130
Antimony	0.8	µg/g	<0.8			ND	20	109	70	130	82	70	130
Arsenic	0.5	µg/g	<0.5			2	20	101	70	130	100	70	130
Barium	0.01	µg/g	<0.01			1	20	101	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			4	20	106	70	130	81	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	108	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			17	20	106	70	130	86	70	130
Cobalt	0.01	µg/g	<0.01			1	20	101	70	130	95	70	130
Copper	0.1	µg/g	<0.1			1	20	107	70	130	106	70	130
Iron	3	µg/g	<3			2	20	99	70	130	98	70	130
Lead	0.05	µg/g	<0.05			0	20	103	70	130	99	70	130
Lithium	2	µg/g	<2			0	20	105	70	130	92	70	130
Magnesium	3	µg/g	<3			0	20	107	70	130	96	70	130
Manganese	0.1	µg/g	<0.1			2	20	105	70	130	94	70	130
Molybdenum	0.1	µg/g	<0.1			6	20	99	70	130	96	70	130
Nickel	0.1	µg/g	<0.1			0	20	106	70	130	111	70	130
Selenium	0.1	µg/g	<0.1			20	20	99	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	104	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			0	20	98	70	130	95	70	130
Thallium	0.02	µg/g	<0.02			ND	20	91	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	101	70	130	Error!	70	130
Titanium	0.1	µg/g	<0.1			1	20	95	70	130	84	70	130
Uranium	0.002	µg/g	<0.002			0	20	95	70	130	90	70	130
Vanadium	1	µg/g	<1			1	20	112	70	130	101	70	130
Yttrium	0.004	µg/g	<0.004			1	20	94	70	130	Error!	70	130
Zinc	0.7	µg/g	<0.7			2	20	103	70	130	93	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID

Project : PO#1254179

11-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Date Rec. : 26 September 2024

LR Report: CA19444-SEP24

Reference: Meliadine - PO#1254179

Copy: #1

Phone: (819) 759-3555

Fax:(819) 759-3663

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-Sep-24 10:00	23-Sep-24 10:05
CN(T) [µg/g]	08-Oct-24	09:31	09-Oct-24	10:02	35	31
CN(Free) [µg/g]	09-Oct-24	09:28	09-Oct-24	16:33	< 0.05	< 0.05
CNWAD [µg/g]	08-Oct-24	09:31	09-Oct-24	10:02	< 10	< 10
Ag [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	< 0.5	< 0.5
Al [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	56000	58000
As [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	9100	8000
Ba [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	470	500
Be [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	1.1	1.1
Bi [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	1.1	0.85
Ca [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	27000	27000
Cd [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	0.67	0.44
Co [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	16	13
Cr [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	120	150
Cu [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	93	81
Fe [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	96000	94000
K [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	14000	15000
Li [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	18	18
Mg [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	10000	10000
Mn [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	500	460
Mo [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	12	10
Ni [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	34	32
P [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	520	520
Pb [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	320	250
Sb [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	2.4	2.3
Se [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	1.0	0.9
Sn [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	< 6	< 6
Sr [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	220	240
Ti [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	1800	1700
Tl [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	0.42	0.40
U [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	1.3	1.1

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID

Project : PO#1254179

LR Report : CA19444-SEP24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
V [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	64	58
Y [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	6.3	9.3
Zn [µg/g]	30-Sep-24	14:37	01-Oct-24	14:13	160	130

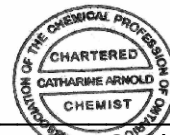
Bulk Metals Suite

CN(F) spike was unacceptable due to lab error during spike preparation.

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	µg/g	ME-CA-[ENV]SPE-LAK-AN-001	EPA 3052/200.8
	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8
Cyanide by SFA	%	ME-CA-[ENV]SFA-LAK-AN-005	SM 4500
Cyanide by SFA	%	ME-CA-[ENV]SFA-LAK-AN-005	SM4500
Cyanide by SFA	µg/g	ME-CA-[ENV]SFA-LAK-AN-005	SM 4500
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8

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



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: EMS0317-SEP24													
Calcium	3	µg/g	<3			3		105			96		
Phosphorus	3	µg/g	<3			4		103			90		
Potassium	3	µg/g	<3			3		106			98		
Cyanide by SFA - QCBatchID: SKA5024-OCT24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	0	80	120	93	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0317-SEP24													
Aluminum	3	µg/g	<3			4	20	108	70	130	102	70	130
Antimony	0.8	µg/g	<0.8			ND	20	102	70	130	76	70	130
Arsenic	0.5	µg/g	<0.5			15	20	105	70	130	108	70	130
Barium	0.01	µg/g	<0.01			3	20	100	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			1	20	96	70	130	81	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	99	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			6	20	104	70	130	86	70	130
Cobalt	0.01	µg/g	<0.01			2	20	104	70	130	93	70	130
Copper	0.1	µg/g	<0.1			8	20	105	70	130	99	70	130
Iron	3	µg/g	<3			4	20	103	70	130	96	70	130
Lead	0.05	µg/g	<0.05			2	20	101	70	130	98	70	130
Lithium	2	µg/g	<2			1	20	94	70	130	93	70	130
Magnesium	3	µg/g	<3			4	20	109	70	130	100	70	130
Manganese	0.1	µg/g	<0.1			1	20	108	70	130	100	70	130
Molybdenum	0.1	µg/g	<0.1			18	20	105	70	130	100	70	130
Nickel	0.1	µg/g	<0.1			2	20	105	70	130	104	70	130
Selenium	0.1	µg/g	<0.1			5	20	106	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	105	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	106	70	130	102	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	101	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	101	70	130	85	70	130
Uranium	0.002	µg/g	<0.002			2	20	102	70	130	87	70	130
Vanadium	1	µg/g	<1			2	20	108	70	130	99	70	130
Yttrium	0.004	µg/g	<0.004			3	20	103	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			4	20	110	70	130	99	70	130

**SGS Canada Inc.**

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mel
Works #: TAILINGS-SOLID

Project : PO#1380289

31-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 09 October 2024
LR Report: CA19677-OCT24
Reference: Meliadine - PO#1380289

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-Oct-24 13:30	06-Oct-24 06:30
Paste pH [no unit]	17-Oct-24	18:22	18-Oct-24	16:19	8.55	8.48
Fizz Rate [rating]	16-Oct-24	18:22	18-Oct-24	16:19	3	3
Sample weight [g]	16-Oct-24	14:34	18-Oct-24	16:19	2.00	2.01
HCl_add [mL]	17-Oct-24	13:51	18-Oct-24	16:19	75.00	85.00
HCl [Normality]	16-Oct-24	15:23	18-Oct-24	16:19	0.10	0.10
NaOH [Normality]	16-Oct-24	15:23	18-Oct-24	16:19	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Oct-24	16:06	18-Oct-24	16:19	43.05	51.74
Final pH [no unit]	17-Oct-24	15:20	18-Oct-24	16:19	1.64	1.54
NP [t CaCO3/1000 t]	17-Oct-24	16:07	18-Oct-24	16:19	79.9	82.7
AP [t CaCO3/1000 t]	17-Oct-24	16:07	18-Oct-24	16:20	49.4	50.3
Net NP [t CaCO3/1000 t]	17-Oct-24	16:07	18-Oct-24	16:20	30.5	32.4
NP/AP [ratio]	17-Oct-24	16:07	18-Oct-24	16:20	1.62	1.64
S [%]	17-Oct-24	08:49	17-Oct-24	15:58	1.53	1.59
Acid Leachable SO4-S [%]	17-Oct-24	15:58	17-Oct-24	15:58	< 0.04	< 0.04
Sulphide [%]	17-Oct-24	14:36	17-Oct-24	15:58	1.58	1.61
C [%]	17-Oct-24	08:49	17-Oct-24	15:58	1.38	1.35
CO3 (HCl) as %CO3 [%]	18-Oct-24	07:52	30-Oct-24	16:17	6.52	6.54

ABA - Modified Sobek

*NP (Neutralization Potential)
 = $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

 Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*Net NP (Net Neutralization Potential) = NP-AP

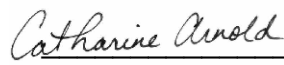
NP/AP Ratio = NP/AP

*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	Units	SGS Method Code	Reference Method Code
	g	NA	Sample weight
	mL		MEND PROJECT 1.16.1B
	mL	NA	MEND PROJECT 1.16.1B
	no unit	NA	SM 4500
	Normality	NA	MEND PROJECT 1.16.1B
	rating	NA	MEND PROJECT 1.16.1B
	ratio	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Acid Potential	t CaCO3/1000 t	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	t CaCO3/1000 t	ME-CA-[ENV]ARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	no unit	ME-CA-[ENV]ARD-LAK-AN-005	ARD Prediction Manual 2009



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

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: ECS0042-OCT24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	13
Sulphur (total)	0.005	%	<0.005			0	20				104	70	13
Carbon/Sulphur - QCBatchID: ECS0043-OCT24													
Sulphide	0.04	%	< 0.01			ND	20	115	80	120			
Carbon/Sulphur - QCBatchID: ECS0045-OCT24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			16	20	103	80	120			

**SGS Canada Inc.**

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mel
Works #: TAILINGS-SOLID

Project : PO#1380289

28-October-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 09 October 2024
LR Report: CA19678-OCT24
Reference: Meliadine - PO#1380289

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-Oct-24 13:30	06-Oct-24 06:30
CN(T) [µg/g]	15-Oct-24	13:00	16-Oct-24	15:54	26	27
CN(Free) [µg/g]	11-Oct-24	19:55	18-Oct-24	09:47	< 0.05	0.06
CNWAD [µg/g]	15-Oct-24	13:00	16-Oct-24	15:54	10.0	< 10
Ag [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	< 0.5	< 0.5
Al [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	51000	51000
As [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	8700	9800
Ba [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	530	380
Be [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	1.2	1.2
Bi [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.85	0.89
Ca [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	25000	25000
Cd [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.44	0.50
Co [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	13	12
Cr [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	94	100
Cu [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	80	84
Fe [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	120000	110000
K [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	13000	13000
Li [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	18	18
Mg [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	9300	9600
Mn [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	420	430
Mo [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	9.2	12
Ni [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	31	31
P [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	530	510
Pb [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	220	290
Sb [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	2.7	3.0
Se [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.9	1.0
Sn [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	< 6	< 6
Sr [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	240	240
Ti [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	1700	1700
Tl [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	0.43	0.43

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - Composite
U [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	1.1	1.2
V [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	55	56
Y [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	6.3	6.2
Zn [µg/g]	22-Oct-24	12:38	23-Oct-24	09:25	100	110

Bulk Metals Suite

Method Descriptions

Parameter	Units	SGS Method Code	Reference Method Code
	µg/g	ME-CA-[ENV]SPE-LAK-AN-001	EPA 3052/200.8
	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8
Cyanide by SFA	%	ME-CA-[ENV]SFA-LAK-AN-005	SM 4500
Cyanide by SFA	%	ME-CA-[ENV]SFA-LAK-AN-005	SM4500
Cyanide by SFA	µg/g	ME-CA-[ENV]SFA-LAK-AN-005	SM 4500
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007	EPA 3052/200.8
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-013	EPA 3052/200.8

Catharine Arnold

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

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: EMS0219-OCT24													
Calcium	3	µg/g	<3			1		101			89		
Phosphorus	3	µg/g	<3			2		98			81		
Potassium	3	µg/g	<3			0		100			88		
Cyanide by SFA - QCBatchID: SKA5044-OCT24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	100	80	120	87	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0219-OCT24													
Aluminum	3	µg/g	<3			0	20	105	70	130	91	70	130
Antimony	0.8	µg/g	<0.8			ND	20	103	70	130	104	70	130
Arsenic	0.5	µg/g	<0.5			1	20	105	70	130	90	70	130
Barium	0.01	µg/g	<0.01			3	20	99	70	130	97	70	130
Beryllium	0.02	µg/g	<0.02			0	20	102	70	130	88	70	130
Bismuth	0.09	µg/g	<0.09			18	20	98	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			16	20	109	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			1	20	101	70	130	71	70	130
Cobalt	0.01	µg/g	<0.01			1	20	104	70	130	86	70	130
Copper	0.1	µg/g	<0.1			2	20	106	70	130	96	70	130
Iron	3	µg/g	<3			0	20	101	70	130	93	70	130
Lead	0.05	µg/g	<0.05			4	20	101	70	130	98	70	130
Lithium	2	µg/g	<2			0	20	99	70	130	96	70	130
Magnesium	3	µg/g	<3			0	20	101	70	130	89	70	130
Manganese	0.1	µg/g	<0.1			0	20	105	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	105	70	130	101	70	130
Nickel	0.1	µg/g	<0.1			2	20	104	70	130	102	70	130
Selenium	0.1	µg/g	<0.1			12	20	105	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	106	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	103	70	130	101	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	101	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			0	20	105	70	130	82	70	130
Uranium	0.002	µg/g	<0.002			3	20	100	70	130	85	70	130
Vanadium	1	µg/g	<1			0	20	105	70	130	89	70	130
Yttrium	0.004	µg/g	<0.004			1	20	102	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	109	70	130	96	70	130

**SGS Canada Inc.**

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mel

Works #: TAILINGS-SOLID

Project : PO#1380289

11-November-2024

Agnico Eagle Mines Limited

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

Date Rec. : 24 October 2024
 LR Report: CA19782-OCT24
 Reference: Meliadine - PO#1380289

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					20-Oct-24 07:35	20-Oct-24 07:45
CN(T) [µg/g]	31-Oct-24	13:25	01-Nov-24	08:50	37	30
CN(Free) [µg/g]	29-Oct-24	10:27	30-Oct-24	08:04	< 0.05	< 0.05
CNWAD [µg/g]	31-Oct-24	13:25	01-Nov-24	08:50	< 10	< 10
Ag [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	< 0.5	< 0.5
Al [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	57000	53000
As [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	5200	6300
Ba [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	590	560
Be [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	1.3	1.3
Bi [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	0.49	0.55
Ca [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	26000	25000
Cd [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	0.23	0.32
Co [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	12	12
Cr [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	62	73
Cu [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	83	78
Fe [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	100000	110000
K [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	14000	14000
Li [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	23	22
Mg [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	11000	10000
Mn [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	470	440
Mo [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	6.3	6.7
Ni [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	33	34
P [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	560	540
Pb [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	120	160
Sb [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	1.9	2.3
Se [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	0.6	0.7
Sn [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	< 6	< 6
Sr [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	260	250
Ti [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	1800	1600
Tl [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	0.39	0.43
U [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	1.2	1.3

**SGS Canada Inc.**

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

mel
Works #: TAILINGS-SOLID

Project : PO#1380289

LR Report : CA19782-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings - Solid - Composite
V [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	56	57
Y [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	6.2	6.2
Zn [µg/g]	08-Nov-24	02:25	08-Nov-24	09:01	80	92

Bulk Metals Suite

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

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: EMS0063-NOV24													
Calcium	3	µg/g	<3			3		94			81		
Phosphorus	3	µg/g	<3			2		94			87		
Potassium	3	µg/g	<3			3		99			94		
Cyanide by SFA - QCBatchID: SKA5087-OCT24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	100	80	120	87	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0063-NOV24													
Aluminum	3	µg/g	<3			3	20	108	70	130	81	70	130
Antimony	0.8	µg/g	<0.8			1	20	92	70	130	103	70	130
Arsenic	0.5	µg/g	<0.5			2	20	109	70	130	80	70	130
Barium	0.01	µg/g	<0.01			3	20	101	70	130	104	70	130
Beryllium	0.02	µg/g	<0.02			3	20	104	70	130	90	70	130
Bismuth	0.09	µg/g	<0.09			1	20	94	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			0	20	102	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			10	20	98	70	130	84	70	130
Cobalt	0.01	µg/g	<0.01			2	20	99	70	130	94	70	130
Copper	0.1	µg/g	<0.1			0	20	100	70	130	102	70	130
Iron	3	µg/g	<3			3	20	99	70	130	96	70	130
Lead	0.05	µg/g	<0.05			1	20	98	70	130	103	70	130
Lithium	2	µg/g	<2			1	20	101	70	130	99	70	130
Magnesium	3	µg/g	<3			3	20	99	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			2	20	103	70	130	96	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	92	70	130	102	70	130
Nickel	0.1	µg/g	<0.1			5	20	101	70	130	114	70	130
Selenium	0.1	µg/g	<0.1			10	20	101	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	108	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			2	20	100	70	130	98	70	130
Thallium	0.02	µg/g	<0.02			0	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	105	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			2	20	104	70	130	77	70	130
Uranium	0.002	µg/g	<0.002			2	20	95	70	130	93	70	130
Vanadium	1	µg/g	<1			2	20	94	70	130	96	70	130
Yttrium	0.004	µg/g	<0.004			2	20	97	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			1	20	103	70	130	99	70	130



SGS Canada Inc.

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Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine

, Nunavut

X0C 0A0, Canada

Phone: (819) 759-3555

Fax: (819) 759-3663

ABA - Modified Sobek
Works #: TAILINGS-SOLID
Project : PO#1380289

20-November-2024

Date Rec. : 24 October 2024
LR Report: CA19781-OCT24
Reference: Meliadine - PO#1380289

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					20-Oct-24 07:35	20-Oct-24 07:45
Paste pH [no unit]	05-Nov-24	17:43	06-Nov-24	16:19	8.26	8.27
Fizz Rate [rating]	04-Nov-24	15:20	06-Nov-24	16:19	4	3
Sample weight [g]	04-Nov-24	13:29	06-Nov-24	16:19	2.00	2.01
HCl_add [mL]	05-Nov-24	15:21	06-Nov-24	16:19	70.00	65.00
HCl [Normality]	04-Nov-24	15:31	06-Nov-24	16:19	0.10	0.10
NaOH [Normality]	04-Nov-24	15:30	06-Nov-24	16:19	0.10	0.10
Vol NaOH to pH=8.3 [mL]	05-Nov-24	15:56	06-Nov-24	16:19	36.50	31.94
Final pH [no unit]	05-Nov-24	15:37	06-Nov-24	16:19	1.71	1.85
NP [t CaCO3/1000 t]	05-Nov-24	18:11	06-Nov-24	16:19	83.7	82.2
AP [t CaCO3/1000 t]	05-Nov-24	18:11	18-Nov-24	16:44	33.1	38.1
Net NP [t CaCO3/1000 t]	05-Nov-24	18:11	18-Nov-24	16:44	50.6	44.1
NP/AP [ratio]	05-Nov-24	18:11	18-Nov-24	16:44	2.53	2.16
S [%]	14-Nov-24	12:52	18-Nov-24	13:18	1.08	1.22
Acid Leachable SO4-S [%]	18-Nov-24	12:23	18-Nov-24	13:18	< 0.04	< 0.04



SGS Canada Inc.

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ABA - Modified Sobek
Works #: TAILINGS-SOLID

Project : PO#1380289

LR Report : CA19781-OCT24

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Date	4: Analysis Completed Time	5: Tailings - Solid	6: Tailings -Solid Composite
Sulphide [%]	18-Nov-24	12:20	18-Nov-24	13:18	1.06	1.22
C [%]	14-Nov-24	12:51	18-Nov-24	13:18	1.37	1.38
CO3 (HCl) as %CO3 [%]	15-Nov-24	09:33	18-Nov-24	13:18	6.36	6.13

ABA - Modified Sobek

*NP (Neutralization Potential)

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

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur $\times 31.25$

*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

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: ECS0035-NOV24													
Carbon (total)	0.005	%	<0.005			1	20				98	70	13
Sulphur (total)	0.005	%	<0.005			0	20				98	70	13
Carbon/Sulphur - QCBatchID: ECS0037-NOV24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			2	20	101	80	120			
Carbon/Sulphur - QCBatchID: ECS0041-NOV24													
Sulphide	0.04	%	< 0.01			1	20	120	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

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Meliadine
, Nunavut
X0C 0A0, Canada

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

MEL
Works #: TAILINGS-SOLID
Project : PO#1380289

02-December-2024

Date Rec. : 07 November 2024
LR Report: CA19048-NOV24
Reference: PO# 1380289

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-Nov-24 08:20	03-Nov-24 08:20	03-Nov-24 08:35
Paste pH [no unit]	14-Nov-24	12:33	15-Nov-24	13:39	8.44	8.41	8.38
Fizz Rate [rating]	14-Nov-24	08:31	15-Nov-24	13:39	3	3	3
Sample weight [g]	14-Nov-24	08:12	15-Nov-24	13:39	2.01	2.00	2.00
HCl_add [mL]	15-Nov-24	06:45	15-Nov-24	13:39	68.40	71.00	60.00
HCl [Normality]	14-Nov-24	08:45	15-Nov-24	13:39	0.10	0.10	0.10
NaOH [Normality]	14-Nov-24	08:45	15-Nov-24	13:39	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	15-Nov-24	09:07	15-Nov-24	13:39	32.39	35.01	24.92
Final pH [no unit]	15-Nov-24	08:45	15-Nov-24	13:39	1.69	1.67	1.90
NP [t CaCO ₃ /1000 t]	15-Nov-24	09:07	15-Nov-24	13:39	89.6	90.0	87.7
AP [t CaCO ₃ /1000 t]	29-Nov-24	14:57	29-Nov-24	14:57	50.6	50.3	47.5
Net NP [t CaCO ₃ /1000 t]	29-Nov-24	14:57	29-Nov-24	14:57	39.0	39.7	40.2
NP/AP [ratio]	29-Nov-24	14:57	29-Nov-24	14:57	1.77	1.79	1.85
S [%]	28-Nov-24	16:38	29-Nov-24	11:27	1.62	1.63	1.51
Acid Leachable SO ₄ -S [%]	28-Nov-24	08:35	29-Nov-24	14:57	< 0.04	< 0.04	< 0.04
Sulphide [%]	28-Nov-24	16:14	29-Nov-24	14:57	1.62	1.61	1.52
C [%]	26-Nov-24	07:58	28-Nov-24	10:07	1.66	1.64	1.65
CO ₃ (HCl) as %CO ₃ [%]	27-Nov-24	14:02	28-Nov-24	10:07	6.98	6.95	6.89

ABA - Modified Sobek



SGS Canada Inc.

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MEL Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19048-NOV24

*NP (Neutralization Potential)
= $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

Weight of Sample

*AP (Acid Potential) = % Sulphide Sulphur x 31.25

*Net NP (Net Neutralization Potential) = NP-AP

NP/AP Ratio = NP/AP

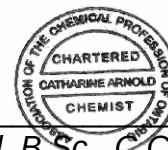
*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material

Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold



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

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: ECS0057-NOV24													
Sulphide	0.04	%	< 0.01			14	20	103	80	120			
Carbon/Sulphur - QCBatchID: ECS0063-NOV24													
Carbon (total)	0.005	%	<0.005			NV	20				94	70	130
Sulphur (total)	0.005	%	<0.005			1	20				98	70	130
Carbon/Sulphur - QCBatchID: ECS0069-NOV24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			7	20	102	80	120			
Carbon/Sulphur - QCBatchID: ECS0078-NOV24													
Sulphur (total)	0.005	%	<0.005								108	70	130
Carbon/Sulphur - QCBatchID: ECS0081-NOV24													
Sulphide	0.04	%	< 0.01			3	20	95	80	120			

**SGS Canada Inc.**

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 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID

Project : PO#1254179

17-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Date Rec. : 22 November 2024

LR Report: CA19208-NOV24

Reference: Meliadine - PO#1254179

Copy: #1

Phone: (819) 759-3555

Fax:(819) 759-3663

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-Nov-24 11:15	17-Nov-24 11:15	17-Nov-24 11:15
Paste pH [no unit]	09-Dec-24	16:52	11-Dec-24	10:36	8.44	8.46	8.57
Fizz Rate [rating]	09-Dec-24	13:16	11-Dec-24	10:36	4	4	4
Sample weight [g]	09-Dec-24	10:55	11-Dec-24	10:36	2.01	2.04	2.00
HCl_add [mL]	10-Dec-24	12:16	11-Dec-24	10:36	80.00	80.00	76.10
HCl [Normality]	09-Dec-24	13:31	11-Dec-24	10:36	0.10	0.10	0.10
NaOH [Normality]	09-Dec-24	13:31	11-Dec-24	10:36	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	10-Dec-24	13:58	11-Dec-24	10:36	44.66	44.49	42.50
Final pH [no unit]	10-Dec-24	13:00	11-Dec-24	10:36	1.64	1.63	1.67
NP [t CaCO3/1000 t]	10-Dec-24	14:28	11-Dec-24	10:36	87.9	87.0	84.0
AP [t CaCO3/1000 t]	13-Dec-24	09:31	13-Dec-24	09:32	37.3	37.8	35.8
Net NP [t CaCO3/1000 t]	13-Dec-24	09:31	13-Dec-24	09:32	50.6	49.2	48.2
NP/AP [ratio]	13-Dec-24	09:32	13-Dec-24	09:32	2.35	2.30	2.35
S [%]	11-Dec-24	15:38	13-Dec-24	09:31	1.53	1.50	1.44
Acid Leachable SO4-S [%]	13-Dec-24	09:31	13-Dec-24	09:31	0.33	0.29	0.29
Sulphide [%]	12-Dec-24	17:20	13-Dec-24	09:31	1.20	1.21	1.15
C [%]	11-Dec-24	15:38	12-Dec-24	10:53	1.44	1.46	1.39
CO3 (HCl) as %CO3 [%]	12-Dec-24	10:03	12-Dec-24	10:53	6.59	6.72	6.40

ABA - Modified Sobek

*NP (Neutralization Potential)

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

 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

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

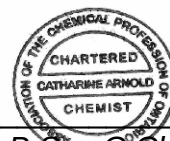
mel
Works #: TAILINGS-SOLID

Project : PO#1254179

LR Report : CA19208-NOV24

Parameter	SGS Method Code
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold



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

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: ECS0021-DEC24													
Carbon (total)	0.005	%	<0.005			12	20				100	70	13
Sulphur (total)	0.005	%	<0.005			18	20				102	70	13
Carbon/Sulphur - QCBatchID: ECS0040-DEC24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			3	20	96	80	120			
Carbon/Sulphur - QCBatchID: ECS0043-DEC24													
Sulphide	0.04	%	< 0.01			0	20	87	80	120			



SGS Canada Inc.

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Agnico Eagle Mines Limited

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Meliadine
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Phone: (819) 759-3555
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mel
Works #: TAILINGS-SOLID
Project : PO#1380289

06-December-2024

Date Rec. : 07 November 2024
LR Report: CA19049-NOV24
Reference: PO#1380289

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-Nov-24 08:20	03-Nov-24 08:20	03-Nov-24 08:35
CN(T) [µg/g]	13-Nov-24	10:04	14-Nov-24	14:29	27	29	32
CN(Free) [µg/g]	14-Nov-24	08:38	14-Nov-24	13:19	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	13-Nov-24	10:04	19-Nov-24	10:05	12	< 10	< 10
Ag [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	< 0.5	< 0.5	< 0.5
Al [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	61000	61000	62000
As [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	9000	9000	8200
Ba [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	400	420	470
Be [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	1.3	1.3	1.3
Bi [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	0.91	0.83	0.77
Ca [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	25000	25000	25000
Cd [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	0.58	0.54	0.55
Co [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	21	21	19
Cr [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	130	140	130
Cu [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	113	113	110
Fe [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	95000	94000	93000
K [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	14000	14000	14000



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS-SOLID
Project : PO#1380289
LR Report : CA19049-NOV24

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
Li [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	23	23	22
Mg [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	11000	11000	10000
Mn [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	510	510	510
Mo [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	6.5	6.7	6.2
Ni [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	47	47	42
P [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	480	480	480
Pb [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	180	180	150
Sb [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	2.8	2.8	2.6
Se [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	1.2	1.2	1.1
Sn [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	< 6	< 6	< 6
Sr [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	220	230	240
Ti [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	1400	1500	1500
Tl [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	0.60	0.59	0.60
U [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	1.3	1.3	1.3
V [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	69	72	66
Y [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	6.9	7.1	6.9
Zn [µg/g]	25-Nov-24	14:29	26-Nov-24	09:53	210	190	190

Bulk Metals Suite

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

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: EMS0285-NOV24													
Calcium	3	µg/g	<3			1		101			88		
Phosphorus	3	µg/g	<3			0		102			79		
Potassium	3	µg/g	<3			1		103			84		
Cyanide by SFA - QCBatchID: SKA5050-NOV24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	98	80	120	86	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0285-NOV24													
Aluminum	3	µg/g	<3			0	20	102	70	130	98	70	130
Antimony	0.8	µg/g	<0.8			3	20	105	70	130	104	70	130
Arsenic	0.5	µg/g	<0.5			10	20	106	70	130	102	70	130
Barium	0.01	µg/g	<0.01			2	20	99	70	130	102	70	130
Beryllium	0.02	µg/g	<0.02			4	20	91	70	130	104	70	130
Bismuth	0.09	µg/g	<0.09			3	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			5	20	100	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			2	20	102	70	130	NV	70	130
Cobalt	0.01	µg/g	<0.01			6	20	106	70	130	99	70	130
Copper	0.1	µg/g	<0.1			1	20	101	70	130	103	70	130
Iron	3	µg/g	<3			1	20	104	70	130	94	70	130
Lead	0.05	µg/g	<0.05			4	20	98	70	130	108	70	130
Lithium	2	µg/g	<2			4	20	99	70	130	126	70	130
Magnesium	3	µg/g	<3			0	20	106	70	130	92	70	130
Manganese	0.1	µg/g	<0.1			1	20	104	70	130	101	70	130
Molybdenum	0.1	µg/g	<0.1			10	20	91	70	130	88	70	130
Nickel	0.1	µg/g	<0.1			1	20	104	70	130	109	70	130
Selenium	0.1	µg/g	<0.1			2	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	103	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	101	70	130	107	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			1	20	93	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			0	20	100	70	130	73	70	130
Uranium	0.002	µg/g	<0.002			1	20	96	70	130	102	70	130
Vanadium	1	µg/g	<1			0	20	104	70	130	95	70	130
Yttrium	0.004	µg/g	<0.004			3	20	101	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			2	20	107	70	130	105	70	130

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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mel
Works #: TAILINGS-SOLID

Project : PO#1254179

17-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

Date Rec. : 22 November 2024
LR Report: CA19209-NOV24
Reference: Meliadine - PO#1254179

Copy: #1

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

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-Nov-24 11:15	17-Nov-24 11:15	17-Nov-24 11:15
CN(T) [µg/g]	03-Dec-24	12:40	05-Dec-24	08:24	31	33	27
CN(Free) [µg/g]	04-Dec-24	09:14	05-Dec-24	08:40	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	03-Dec-24	12:40	05-Dec-24	08:25	< 10	< 10	< 10
Ag [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	< 0.5	< 0.5	< 0.5
Al [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	51000	52000	56000
As [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	9900	10000	9200
Ba [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	490	500	500
Be [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	1.1	1.2	1.2
Bi [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	0.87	0.95	0.73
Ca [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	28000	28000	27000
Cd [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	0.33	0.45	0.38
Co [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	11	12	11
Cr [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	85	93	85
Cu [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	80	83	77
Fe [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	120000	120000	110000
K [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	14000	14000	14000
Li [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	19	19	20
Mg [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	9800	10000	10000
Mn [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	430	440	420
Mo [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	11	12	11
Ni [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	30	31	31
P [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	520	520	530
Pb [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	260	270	240
Sb [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	3.3	3.4	3.1
Se [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	1.0	1.1	1.0
Sn [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	< 6	< 6	< 6
Sr [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	240	250	250
Ti [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	1600	1600	1700
Tl [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	0.42	0.42	0.41
U [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	1.3	1.3	1.3
V [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	51	54	51
Y [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	6.3	6.6	6.3
Zn [µg/g]	06-Dec-24	11:25	09-Dec-24	09:40	81	85	79

Bulk Metals Suite

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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mel
Works #: TAILINGS-SOLID

Project : PO#1254179

LR Report : CA19209-NOV24

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Cyanide by SFA	ME-CA-[ENV]SFA-LAK-AN-005
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013



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

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: EMS0064-DEC24													
Calcium	3	µg/g	<3			6		105			91		
Phosphorus	3	µg/g	<3			8		103			84		
Potassium	3	µg/g	<3			6		106			93		
Cyanide by SFA - QCBatchID: SKA5011-DEC24													
Free Cyanide	0.05	µg/g	<0.05			ND	20	97	80	120	99	75	125
Metals - Microwave/ICP-MS - QCBatchID: EMS0064-DEC24													
Aluminum	3	µg/g	<3			6	20	107	70	130	91	70	130
Antimony	0.8	µg/g	<0.8			ND	20	107	70	130	107	70	130
Arsenic	0.5	µg/g	<0.5			8	20	104	70	130	109	70	130
Barium	0.01	µg/g	<0.01			4	20	100	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			7	20	93	70	130	82	70	130
Bismuth	0.09	µg/g	<0.09			ND	20	95	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			ND	20	106	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			9	20	104	70	130	40	70	130
Cobalt	0.01	µg/g	<0.01			5	20	102	70	130	88	70	130
Copper	0.1	µg/g	<0.1			5	20	106	70	130	99	70	130
Iron	3	µg/g	<3			7	20	104	70	130	96	70	130
Lead	0.05	µg/g	<0.05			5	20	100	70	130	105	70	130
Lithium	2	µg/g	<2			8	20	95	70	130	98	70	130
Magnesium	3	µg/g	<3			6	20	109	70	130	94	70	130
Manganese	0.1	µg/g	<0.1			5	20	104	70	130	93	70	130
Molybdenum	0.1	µg/g	<0.1			8	20	100	70	130	97	70	130
Nickel	0.1	µg/g	<0.1			1	20	105	70	130	103	70	130
Selenium	0.1	µg/g	<0.1			19	20	102	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			6	20	105	70	130	103	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	109	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			3	20	95	70	130	81	70	130
Uranium	0.002	µg/g	<0.002			7	20	95	70	130	96	70	130
Vanadium	1	µg/g	<1			7	20	103	70	130	89	70	130
Yttrium	0.004	µg/g	<0.004			5	20	100	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			0	20	106	70	130	99	70	130

**SGS Canada Inc.**

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

mel
Works #: TAILINGS-SOLID

Project : PO#1380289

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

Meliadine
 , Nunavut
 X0C 0A0, Canada

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

Date Rec. : 09 December 2024
LR Report: CA19321-DEC24
Reference: Meliadine - PO#1380289

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					01-Dec-24 07:25	01-Dec-24 07:25	01-Dec-24 07:25
Paste pH [no unit]	17-Dec-24	06:36	18-Dec-24	10:20	8.35	8.36	8.39
Fizz Rate [rating]	16-Dec-24	13:38	18-Dec-24	10:20	4	4	4
Sample weight [g]	16-Dec-24	12:04	18-Dec-24	10:20	2.00	2.02	2.03
HCl_add [mL]	17-Dec-24	13:45	18-Dec-24	10:20	65.20	71.50	76.90
HCl [Normality]	16-Dec-24	15:00	18-Dec-24	10:20	0.10	0.10	0.10
NaOH [Normality]	16-Dec-24	15:06	18-Dec-24	10:20	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Dec-24	15:17	18-Dec-24	10:20	32.27	38.19	43.29
Final pH [no unit]	17-Dec-24	15:03	18-Dec-24	10:20	1.71	1.63	1.58
NP [t CaCO3/1000 t]	17-Dec-24	15:28	18-Dec-24	10:20	82.3	82.4	82.8
AP [t CaCO3/1000 t]	17-Dec-24	15:28	18-Dec-24	10:21	35.3	33.8	39.5
Net NP [t CaCO3/1000 t]	17-Dec-24	15:28	18-Dec-24	10:21	47.0	48.6	43.3
NP/AP [ratio]	17-Dec-24	15:28	18-Dec-24	10:21	2.33	2.44	2.10
S [%]	16-Dec-24	13:37	17-Dec-24	13:23	1.33	1.32	1.56
Acid Leachable SO4-S [%]	17-Dec-24	13:23	17-Dec-24	13:23	0.20	0.24	0.30
Sulphide [%]	17-Dec-24	13:16	17-Dec-24	13:23	1.13	1.08	1.26
C [%]	16-Dec-24	13:37	17-Dec-24	13:23	1.33	1.34	1.39
CO3 (HCl) as %CO3 [%]	18-Dec-24	11:09	18-Dec-24	11:29	6.17	6.28	6.32

ABA - Modified Sobek

*NP (Neutralization Potential)
 = $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$

 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
	ME-CA-[ENV]ARD-LAK-AN-001/003
	NA
Acid Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-019
Carbon/Sulphur	ME-CA-[ENV]ARD-LAK-AN-020
Neutralization Potential	ME-CA-[ENV]ARD-LAK-AN-001/003
Paste pH	ME-CA-[ENV]ARD-LAK-AN-005

Catharine Arnold

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

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: ECS0051-DEC24													
Carbon (total)	0.005	%	<0.005			4	20				100	70	130
Sulphur (total)	0.005	%	<0.005			2	20				104	70	130
Carbon/Sulphur - QCBatchID: ECS0055-DEC24													
Sulphide	0.04	%	< 0.01			10	20	90	80	120			
Carbon/Sulphur - QCBatchID: ECS0058-DEC24													
Carbonate (HCl) as %CO3	0.04	%	<0.04			9	20	103	80	120			

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.
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mel
Works #: TAILINGS
Project : PO#1380289

30-December-2024

Agnico Eagle Mines Limited

Attn : Randy Schwandt/Alexandre Langlais-Bourassa

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

Date Rec. : 09 December 2024
LR Report: CA19322-DEC24
Reference: Meliadine - PO#1380289

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					01-Dec-24 07:25	01-Dec-24 07:25	01-Dec-24 07:25
CN(T) [µg/g]	13-Dec-24	10:32	16-Dec-24	14:44	29	27	31
CN(Free) [µg/g]	17-Dec-24	09:11	18-Dec-24	08:28	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	13-Dec-24	10:32	16-Dec-24	14:44	< 10	< 10	< 10
Ag [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	< 0.5	< 0.5	< 0.5
Al [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	56000	57000	51000
As [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	7900	7900	12000
Ba [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	470	480	470
Be [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	1.2	1.2	1.2
Bi [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.60	0.61	0.84
Ca [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	26000	26000	27000
Cd [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.29	0.30	0.42
Co [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	12	12	12
Cr [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	74	81	93
Cu [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	69	69	89
Fe [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	110000	110000	120000
K [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	14000	14000	14000
Li [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	20	20	19
Mg [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	10000	10000	10000
Mn [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	400	410	420
Mo [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	8.5	8.4	11
Ni [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	32	32	31
P [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	540	520	540
Pb [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	150	160	210
Sb [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	2.8	2.8	3.7
Se [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.9	0.9	1.0
Sn [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	< 6	< 6	< 6
Sr [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	230	240	230
Ti [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	1800	1800	1600
Tl [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	0.38	0.39	0.41
U [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	1.3	1.3	1.2
V [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	55	55	53

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

mel
Works #: TAILINGS

Project : PO#1380289

LR Report : CA19322-DEC24

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
Y [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	6.3	6.3	6.2
Zn [µg/g]	18-Dec-24	12:24	19-Dec-24	22:34	71	69	89

Bulk Metals Suite

Method Descriptions

Parameter	SGS Method Code
	ME-CA-[ENV]SPE-LAK-AN-001
	ME-CA-[ENV]SPE-LAK-AN-013
Cyanide by SFA	ME-CA-[ENV]SFA-LAK-AN-005
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	ME-CA-[ENV]SPE-LAK-AN-013

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