

# Appendix 10: 2021 Annual Geochemical Report



**AGNICO EAGLE**  
MELIADINE

Meliadine Gold Mine

## 2021 Metal Leaching and Acid Rock Drainage Monitoring Report

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# 1 INTRODUCTION

Agnico Eagle Mines Ltd. (Agnico Eagle) operates the Meliadine Gold Mine (the Mine) located approximately 25 kilometres (km) north of Rankin Inlet, Nunavut, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut. The Mine is subject to the terms and conditions of both the amended Project Certificate 006 issued by the Nunavut Impact Review Board (NIRB) in accordance with the Nunavut Land Claims Agreement Article 12.5.12 on February 26, 2019 (NIRB, 2019) and Amended Water Licence No. 2AM-MEL1631 (the Licence), issued by the Nunavut Water Board (NWB) on May 13, 2021 (NWB, 2021).

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

As per part Schedule B, Item 9 of the Licence, this report provides the ARD/ML characterization results of all samples collected in 2021 for geochemical analysis, including waste rock from the underground/open pit development areas, filtered tailings from the Process Plant, waste rock from the footprint of Containment Pond 2 (CP2), 2019-deposited tailings in the tailings storage facility (TSF) and construction material from Saline Pond 4 (SP4) temporary pad and quarry.

The Meliadine geological setting and baseline geochemical study are included in the Final Environmental Impact Statement for the Meliadine Gold Mine (FEIS, Golder 2014). The baseline geochemical study found that there was a low potential for ARD generation in the Tiriganiaq deposit. 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 conditions which are likely to prevail at Meliadine (Golder 2014).

Results from 2021 are presented in context of sampling from 2017 to 2020 results, as well as in comparison to the range of concentrations predicted from project development studies. As the project baseline studies established that geochemical management criteria were not required for the operation, the objective of this characterization program was to confirm the findings from the baseline studies and to ensure that the current management practices are protective of the receiving environment.

## 2 SAMPLING

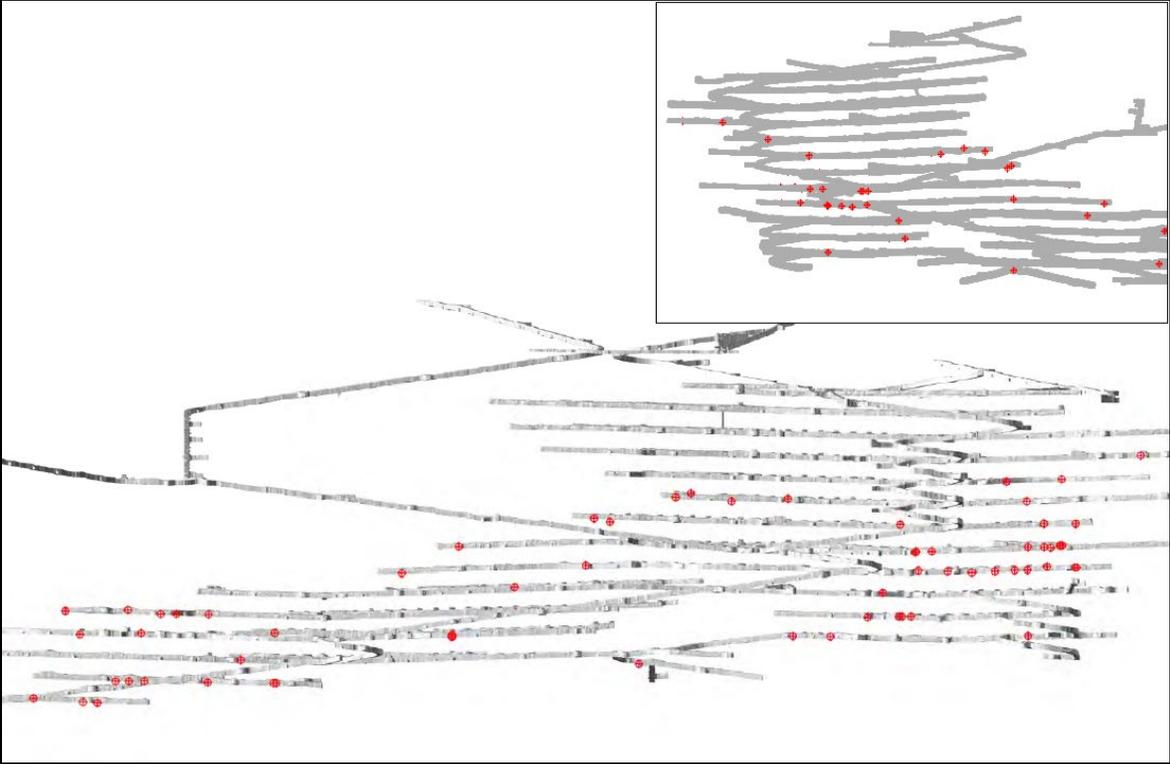
### 2.1 UNDERGROUND WASTE ROCK

In 2021, 89 samples were collected from waste rock produced as part of Tiriganiaq underground development activities. The location of the samples is shown in **Error! Reference source not found.** Samples were taken throughout the mine on levels 175 to 475, in footwall drives and from drawpoints between loads. Some of the samples were also taken from cross-cuts being done to access the ore and were predominantly Meta-Sediments with or without minor Iron Formation.

Sample collection was performed by the operational geology team as follows:

- Monthly sampling recovered 6 samples plus one duplicate for a total of 7 samples per month.
- Samples were generally collected from blasted muck piles of approximately 300 tonnes, with the exception of the December samples, which were collected (chipped) directly from the walls where development occurred during the month;
- The dominant lithologies encountered in the waste rock were selected by:
  - choosing 3 from each of the top three priority waste headings in the month (i.e. one from each heading);
  - 3 additional samples from the other most active headings each month; and
  - noting the rock type (i.e. volcanic (MV), sedimentary (KSC-WA/KWA-S/KS))) of each sample.

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



**Figure 1 : Isometric view looking southwest and down of the Tiriganiaq Underground ARD/ML sampling locations (in red)**

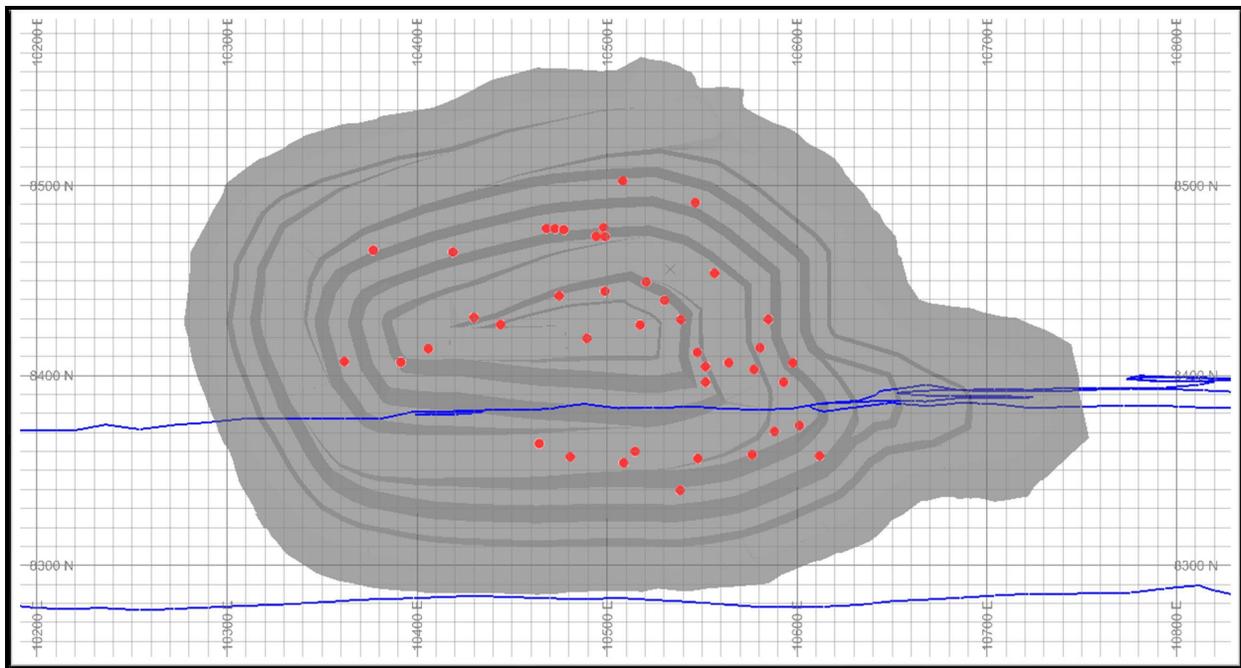
## 2.2 TIRIGANIAQ OPEN PIT 2 WASTE ROCK

The ARD/ML sampling program in Tiriganiaq Open Pit 2 (TIR02) for 2021 was ongoing from January to June. Mining of TIR02 was paused in Q2, 2021 to use the open pit for contact saline water storage. In total, 47 samples were collected from the waste rock mined out of the TIR02 pit. The location of the samples is shown in Figures 2 and 3. Samples were taken throughout the mine as the open pit progressed in depth.

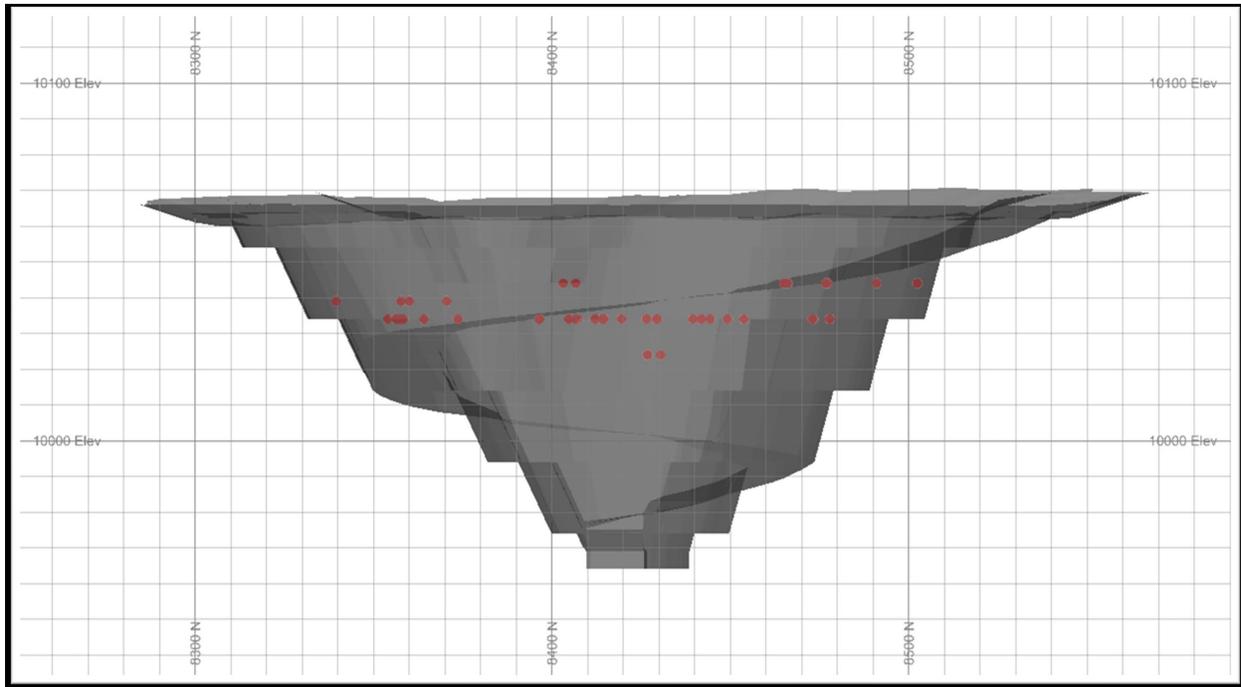
Sample collection was performed by the operational geology team as follows:

- Monthly sampling recovered approximately 8 samples plus one duplicate for a total of 9 samples per month produced by drilling from production blast holes.
- The majority of the rock types sampled were greywacke and siltstones of the SAM formation (36 samples) and some from the Upper Oxide Formation (11 samples).
- Samples were collected from each pit bench (44m, 39m, 34m and 24m elevation respectively) as mining advanced.

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



**Figure 2: Plan view of the TIR02 pit showing ARD/ML sampling locations (in red)**



**Figure 3: Vertical cross section of TIR02 ARD/ML sampling locations (in red), looking west**

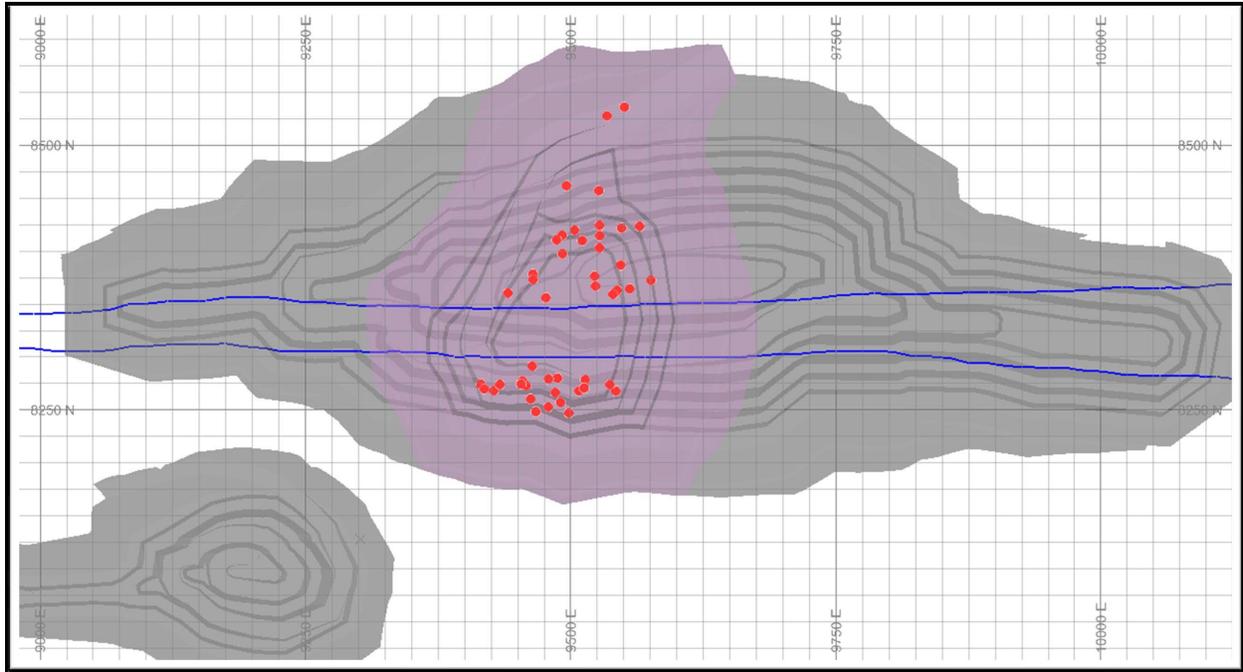
### 2.3 TIRIGANIAQ OPEN PIT 1 WASTE ROCK

The ARD/ML sampling program in Tiriganiaq Open Pit 1 (TIR01) for 2021 was ongoing from June to November. Some overburden samples were collected in February. No samples were collected in December due to reduced activities in the pit. By the end of the year, 53 samples were collected from the waste rock mined out of the TIR01 pit. The location of the samples is shown in Figures 4 and 5. Samples were taken throughout the mine as the open pit progressed in depth.

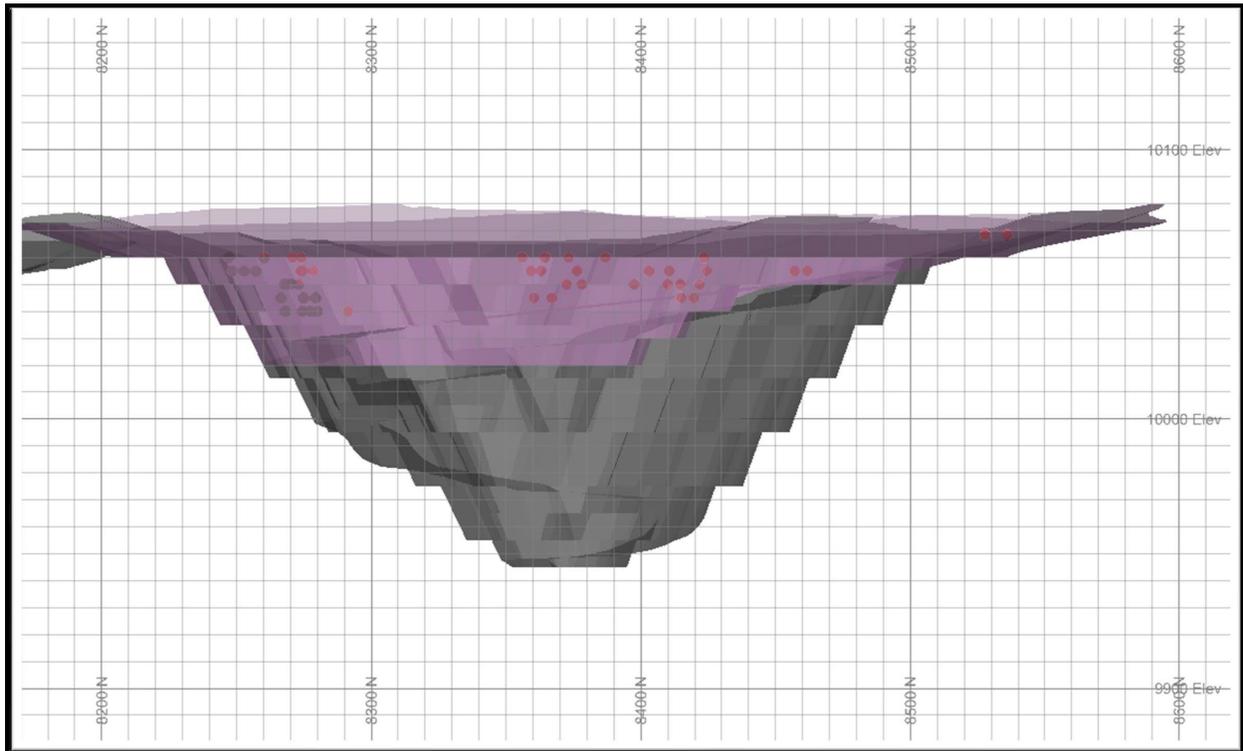
Sample collection was performed by the operational geology team as follows:

- Monthly sampling recovered approximately 8 samples plus one duplicate for a total of 9 samples per month produced by drilling from production blast holes.
- The rock types sampled were greywacke and siltstone of the SAM Formation (30 samples) and mafic volcanic from the Wesmeg Formation (22 samples)
- 2 samples were collected from overburden material
- Samples were collected from each pit bench (68.4m, 60m, 55m, 50m, 45m and 40m elevation respectively) as mining advanced.

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

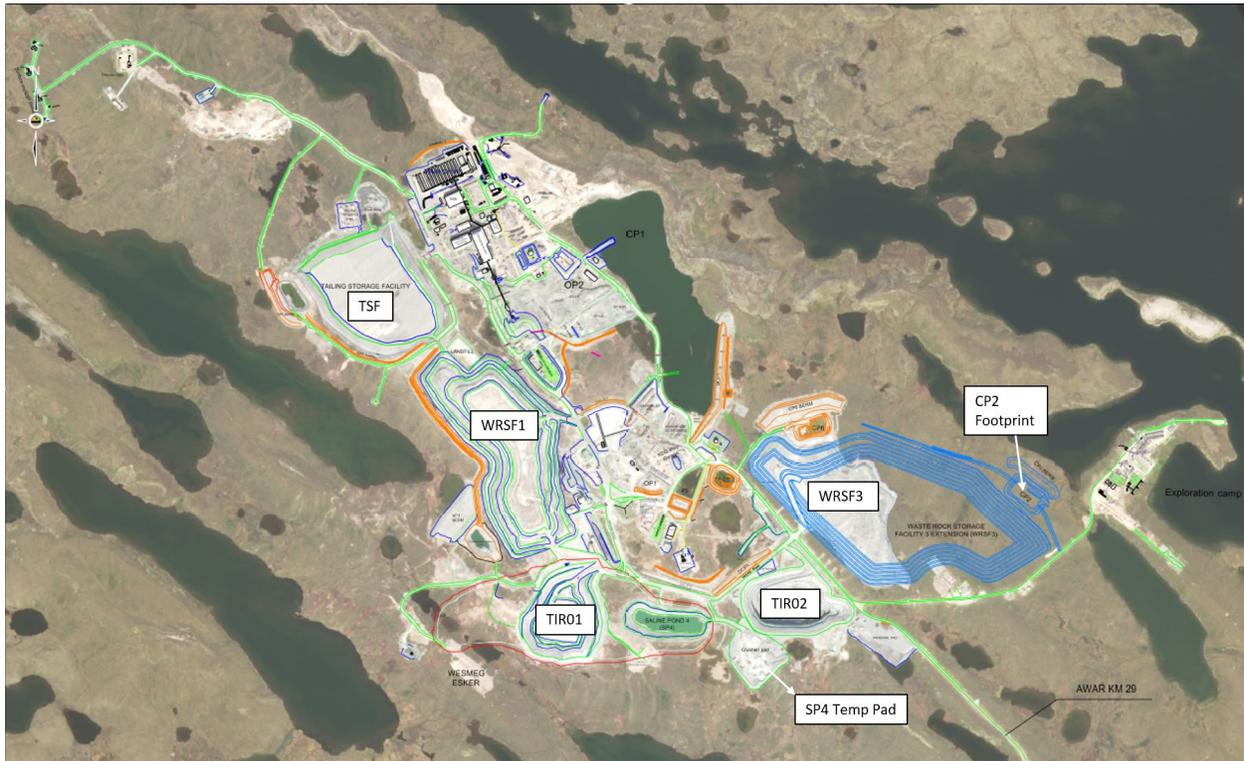


**Figure 4: Plan view of the TIR01 pit showing ARD/ML sampling locations**



**Figure 5: Vertical cross section of TIR01 ARD/ML sampling locations, looking west**

The location of TIR01 and TIR02 is presented in Figure 6 below.



**Figure 6: General site plan view with TIR01 and TIR02 open pits identified in addition to other site facilities.**

## 2.4 FILTERED TAILINGS

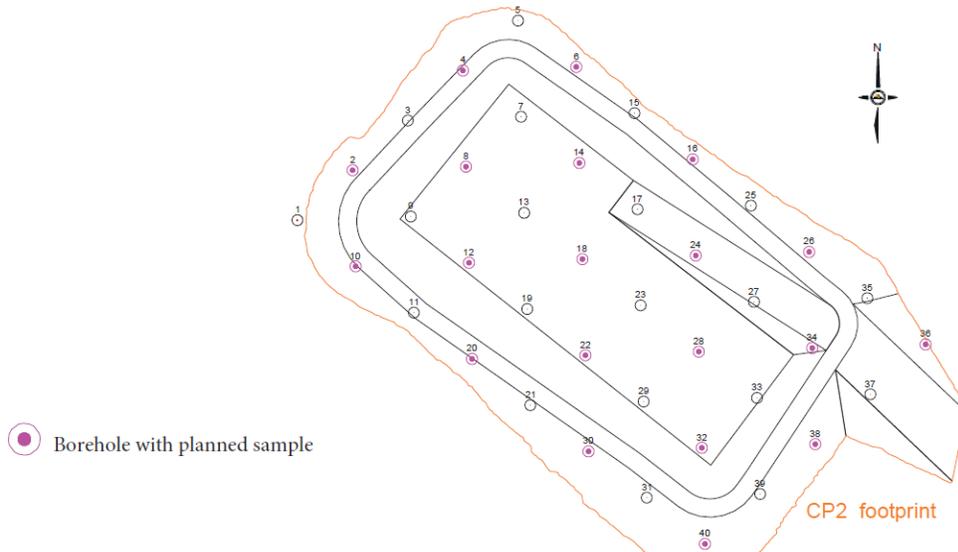
In 2021, 47 filtered tailings samples were taken at Meliadine, from processing of the underground and open pit ore. Two different types of samples of approximately 1 kg were taken on a regular basis throughout the year, except for occurrences when the process plant was shut down:

- Samples were taken in the mill immediately after the filter press on an approximate two-week frequency;
- A 14-day tailings composite sample was taken from the tailings rejects that the Assay Lab uses for process control.

## 2.5 CONTAINMENT POND 2 BEDROCK

On November 11, 2021, samples were collected from the cuttings of boreholes drilled in the footprint of future Containment Pond 2 (CP2) for ARD/ML characterization. Construction of CP2 began in Q1, 2022.

Samples of approximately 1 kg were collected at the approximate depth of 1.5 meters below the bedrock contact in 20 of the 40 holes, however only 18 of the 20 planned samples were analyzed. The length of the boreholes varied between 0.7 m and 4.7 m below the ground surface. Location of CP2 within the Meliadine site is presented in Figure 6, and the borehole locations are presented in Figure 7 below.



**Figure 7: Boreholes and originally planned sampling locations in CP2 footprint for ARD/ML characterization.**

## 2.6 TAILINGS STORAGE FACILITY 2019-DEPOSITED TAILINGS

On November 14, 2021, samples were collected from the cuttings of 6 boreholes carried out on TSF, within tailings which were deposited in the year 2019 for ARD/ML characterization. Two (2) samples of approximately 1 kg each were collected at each of the locations presented in Table 1 and Figure 8 below.

**Table 1: TSF Boreholes Locations and Sampling Intervals**

Borehole ID	Northing	Easting	Elevation (m)	Depth from surface to 2019 tailings (m)	Thickness of 2019 Tailings above original ground (m) (sampling interval)
TSF-BH01	6,989,668	538,886	79.9	0 – 6.6	6.6 – 9.3
TSF-BH02	6,989,811	538,280	79.5	0 – 7.6	7.6 – 11.1
TSF-BH03	6,989,937	538,656	80.3	0 – 7.4	7.4 – 11.4
TSF-BH04	6,989,573	538,723	79.2	0 – 7.2	7.2 – 12.8
TSF-BH05	6,989,667	538,568	79.1	0 – 6.9	6.9 – 12.4
TSF-BH06	6,989,754	538,500	79.1	0 – 10.0	10.0 – 12.0

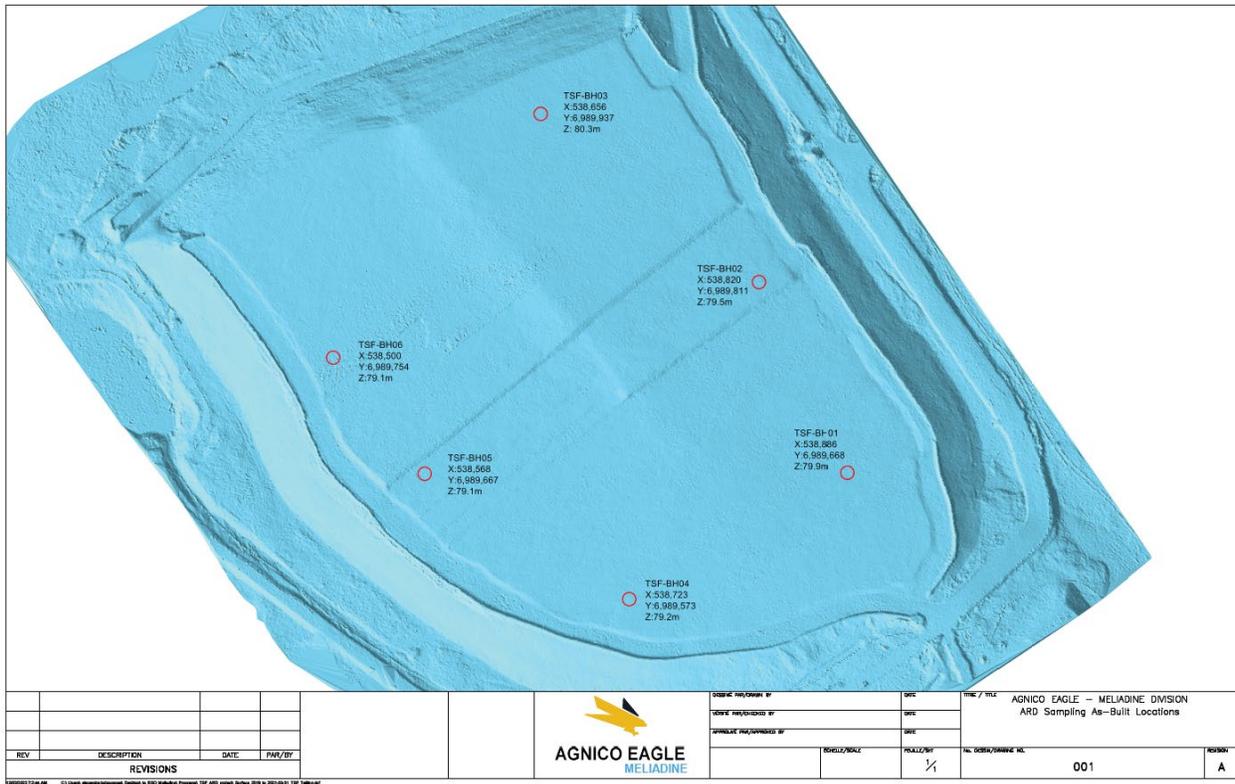


Figure 8: TSF drilling locations for ARD/ML characterization in 2019-deposited tailings

## 2.7 QUARRY MATERIAL AND SALINE POND 4 TEMPORARY PAD

In 2021, other samples collected for ARD/ML characterization included the following:

- 2 samples collected on September 23<sup>rd</sup>, 2021 from quarry material used for the construction of a tank pad at Exploration Camp;
- 1 sample collected on October 1<sup>st</sup>, 2021 in the Saline Pond 4 (SP4) temporary pad. The sampled material is waste rock mined from TIR01 and was used for construction of check dams at Itivia on October 30<sup>th</sup> and 31<sup>st</sup>, 2021.

## 3 LABORATORY TESTING

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

- Acid-base accounting (ABA)
  - Paste pH
  - Total sulphur (LECO)
  - Sulphate sulphur (HCl leach)
  - Total carbon (LECO)

- Carbonate (CO<sub>3</sub>) 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.

Testing approaches established during environmental impact studies for the project have been followed and reported to regulatory agencies on an annual basis. As part of new permitting studies, opportunistic sampling of the tailings facility at Meliadine was completed by Lorax Environmental Services with samples submitted to SGS Burnaby, a different laboratory than where project development studies and operational testing has been completed. It was found during the analysis of the Lorax samples that a bias low for carbonate content may be present in the results provided by SGS Lakefield and a subsequent re-analysis program for tailings samples from 2020 was initiated. A bias low was confirmed for SGS Lakefield carbonate analyses after a comparison using the SGS Burnaby (BC) laboratory and an inter-laboratory investigation by SGS Lakefield. Based on tailings samples re-tested from 2020, SGS Lakefield was reporting on average 30% less carbonate than was actually present, ranging from 20% to 40% (5th and 95th percentile values, respectively) (SRK Consulting, 2021).

Two different approaches were used by the laboratories, SGS Burnaby used a coulometric titration (MEND-2009) whereas SGS Lakefield used a pyrolysis technique as referenced in ASTM E1915. To investigate the differences a set of tailings samples were retrieved and analyzed using the following methods at the SGS Lakefield laboratory; CO<sub>3</sub> by pyrolysis (ASTM E1915), CO<sub>3</sub> by hydrochloric acid leach (ASTM E1915, MEND 2009), and CO<sub>3</sub> by perchloric acid leach (modified coulometric technique). Comparison of the analytical results demonstrated the perchloric acid leach and hydrochloric acid leach matched well. The results from the pyrolysis method were biased low when compared with the acid leachable values. This indicates a possible interference with the pyrolysis method, suggesting the unexpected loss or decomposition of a carbonate mineral at the temperature specified in the reference method, which would result in a low bias of carbonate values analyzed by the pyrolysis method (SGS, 2021).

Prior to April 2021, all carbonate analysis presented in this report were conducted using the pyrolysis technique and can be considered bias low. Starting April 2021 and onward, all carbonate analysis was conducted with the HCl leach method at SGS Lakefield. The letter from SGS laboratory confirming the bias low with the pyrolysis analysis method is presented in Appendix A.

## 4 RESULTS & DISCUSSION

### *ARD Calculations Methodology*

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

In 2021, 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 in previous years, 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.

Furthermore, following the carbonate re-analysis investigation detailed in Section 3, SRK Consulting recommended the use of Modified Sobek NP (NP-mod) for ARD potential calculations moving forward (SRK 2021) due to the presence of the iron and manganese bearing carbonates (ankerite and siderite), which cause NP-Ca to overestimate actual NP.

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

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

### 4.1 UNDERGROUND WASTE ROCK

#### *4.1.1 ARD POTENTIAL*

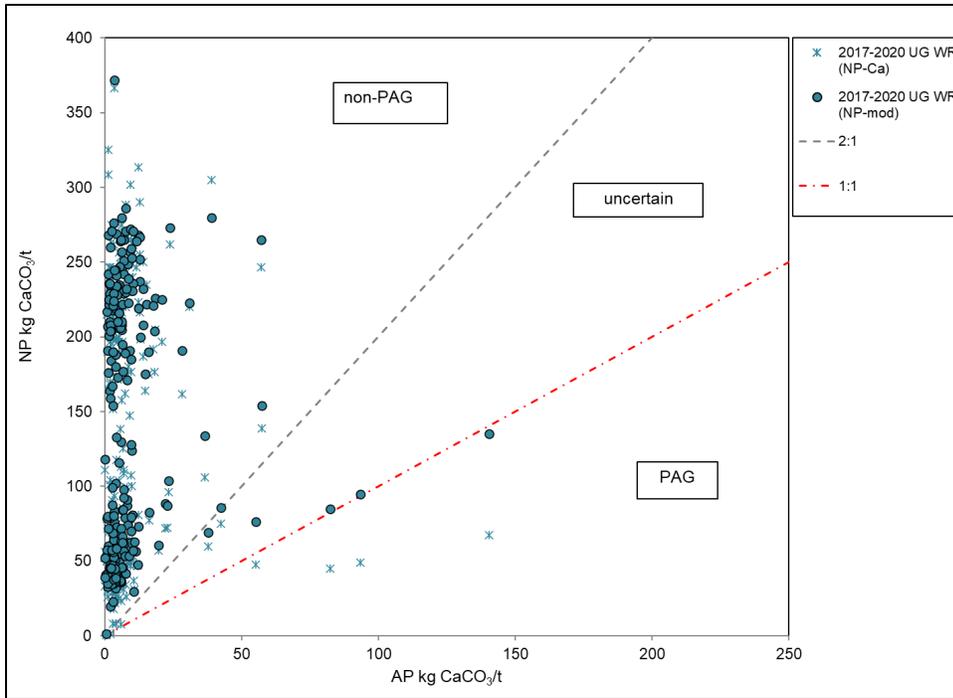
Complete 2021 Tiriganiaq underground waste rock samples ABA laboratory results are provided in Appendix B, with summary statistics provided in Table 2.

**Table 2: Summary Statistics for 2021 ARD and Arsenic Underground Results.**

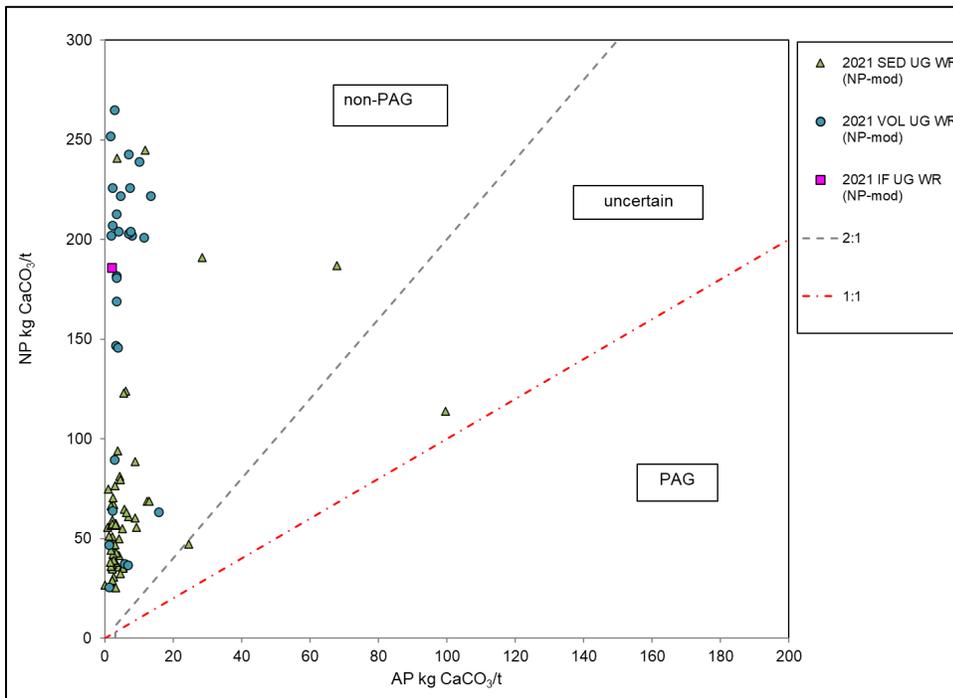
Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	8.0	8.4	8.6	8.8	8.8	9.0	9.3	9.7
NP-mod	kg CaCO <sub>3</sub> /t	25	30	44	63	100	181	240	265
AP	kg CaCO <sub>3</sub> /t	0.03	1.2	2.2	3.3	6.6	6.2	14.9	99.7
Sulphur (total)	% S	0.02	0.07	0.12	0.21	0.30	0.28	0.67	3.84
Acid Leachable SO <sub>4</sub> -S	% S	0.04	0.04	0.06	0.10	0.12	0.13	0.25	0.65
Carbon (total)	% C	0.28	0.41	0.64	0.93	1.36	2.46	3.04	3.52
Carbonate (CO <sub>3</sub> )	% CO <sub>3</sub>	1.3	1.6	3.0	4.3	6.3	10.6	15.0	17.5
NP-Ca	kg CaCO <sub>3</sub> /t	22.2	27.1	49.5	71.5	105.6	176.7	250.3	291.7
NP-Ca/AP	kg CaCO <sub>3</sub> /t	1.0	5.4	13.0	23.2	15.9	35.5	96.8	757.3
NP-mod/AP	ratio	1.1	5.3	11.6	20.4	15.0	31.2	93.7	857.6
Arsenic	mg/kg	4	6	18	64	477	210	3520	6500

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

ARD classification for underground waste rock samples collected between 2017 and 2020 is provided in Figure 9. ARD classification for 2021 samples is presented in Figure 10. As predicted by Golder (2014), the majority of operational waste rock samples collected to date are non-PAG. Two (2) 2021 samples fall within the “uncertain” classification. These samples are considered a low risk given the excess neutralization in all other samples collected.



**Figure 9: ARD classification for 2017-2020 Underground Waste Rock samples. Both NP-Ca and NP-mod values are presented to emphasize reduced carbonate content present in NP-Ca values as a result of the laboratory technique biasing discussed in Section 3.**



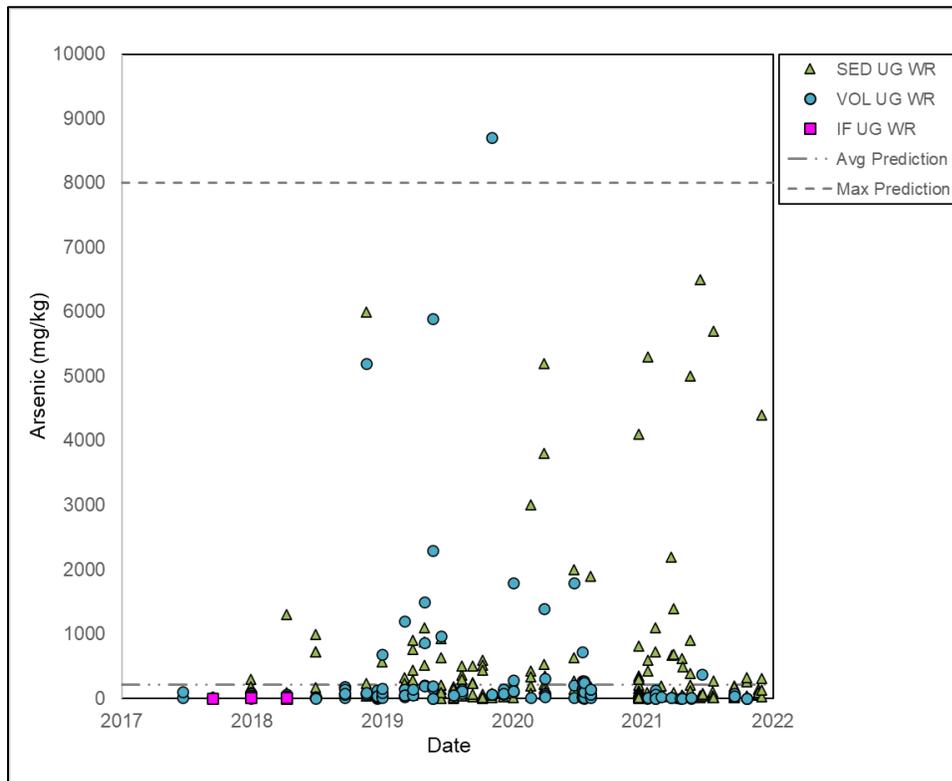
**Figure 10: ARD classification for 2021 Underground Waste Rock samples**

Note: SED is for sedimentary, VOL is for mafic volcanic, IF is for Iron Formation

#### 4.1.2 METAL LEACHING

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

To ensure arsenic concentrations are within project predictions, results are compared against average and maximum arsenic concentrations reported by Golder (2014). As shown in Figure 11, solid phase arsenic concentrations mainly fall within or below the average concentration (of 218 mg/kg), with only one sample in the past four years exceeding the maximum concentration reported by Golder (2014) (of 8000 mg/kg).



**Figure 11: Arsenic concentrations in 2021 Underground Waste Rock samples compared to values from project prediction studies.**

## 4.2 TIRIGANIAQ OPEN PIT 2 WASTE ROCK

### 4.2.1 ARD POTENTIAL

As mentioned above, mining of TIR02 began in 2020 and was paused in Q2, 2021. Complete 2021 TIR02 samples ABA laboratory results are provided in Appendix C, with summary statistics provided in Table 3.

**Table 3: Summary Statistics for 2021 ARD and Arsenic TIR02 Results.**

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	8.6	8.6	8.9	9.1	9.1	9.3	9.5	9.7
NP-mod	kg CaCO <sub>3</sub> /t	30	34	41	47	48	53	68	76
AP	kg CaCO <sub>3</sub> /t	1.1	2.0	3.3	4.6	4.9	5.5	9.3	12.3
Sulphur (total)	% S	0.06	0.11	0.18	0.22	0.24	0.26	0.43	0.65
Acid Leachable SO <sub>4</sub> -S	% S	0.04	0.05	0.08	0.09	0.10	0.12	0.17	0.26
Carbon (total)	% C	0.52	0.56	0.64	0.74	0.78	0.89	1.12	1.32
Carbonate (CO <sub>3</sub> )	% CO <sub>3</sub>	1.53	1.78	2.66	3.03	3.18	3.66	5.19	5.97
NP-Ca	kg CaCO <sub>3</sub> /t	26	30	44	51	53	61	87	100
NP-Ca/AP	kg CaCO <sub>3</sub> /t	3.7	5.6	7.5	12.0	10.8	16.4	29.6	63.1
NP-mod/AP	ratio	4.1	5.3	7.6	10.4	9.8	14.9	25.7	54.8
Arsenic	mg/kg	11	23	41	68	115	120	310	1100

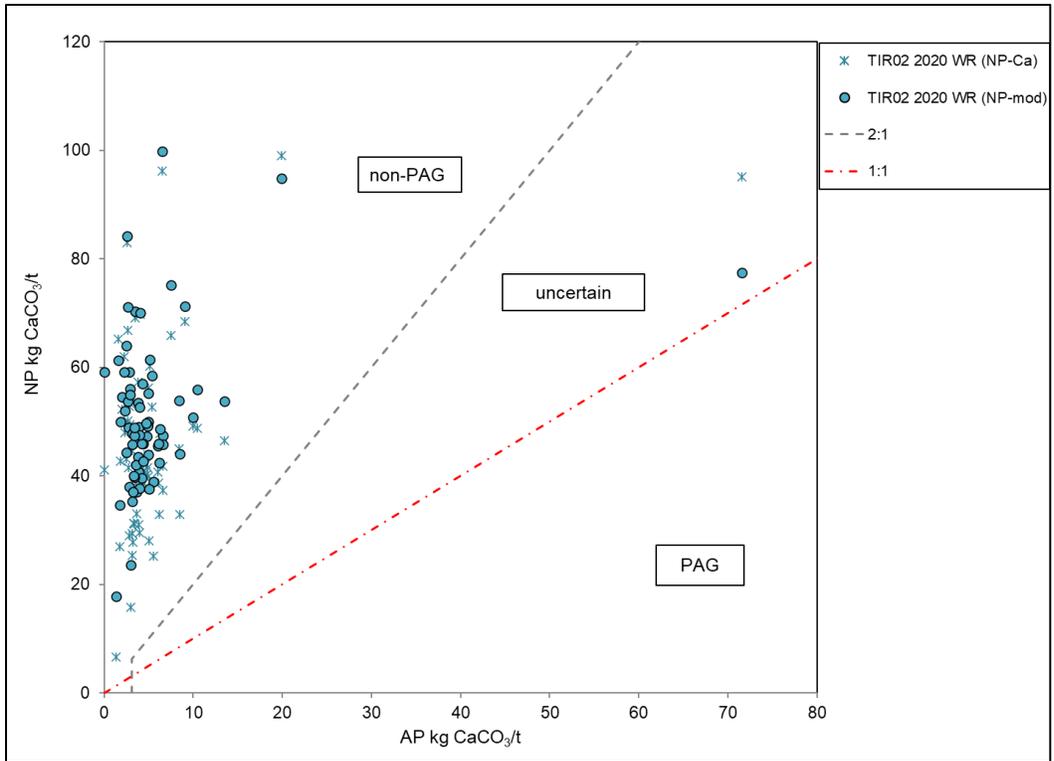
Notes: P stands for percentile (e.g. P5 equals 5<sup>th</sup> percentile); NP-mod stands for NP by Modified Sobek titration method; NP-Ca stands for NP by carbonate content by TIC.

ARD classification of all TIR02 waste rock samples collected in 2020 is provided in Figure 12, while ARD classification for 2021 samples is provided in Figure 13. All NP-mod/AP ratios for 2021 samples were greater than 2, indicating non-PAG.

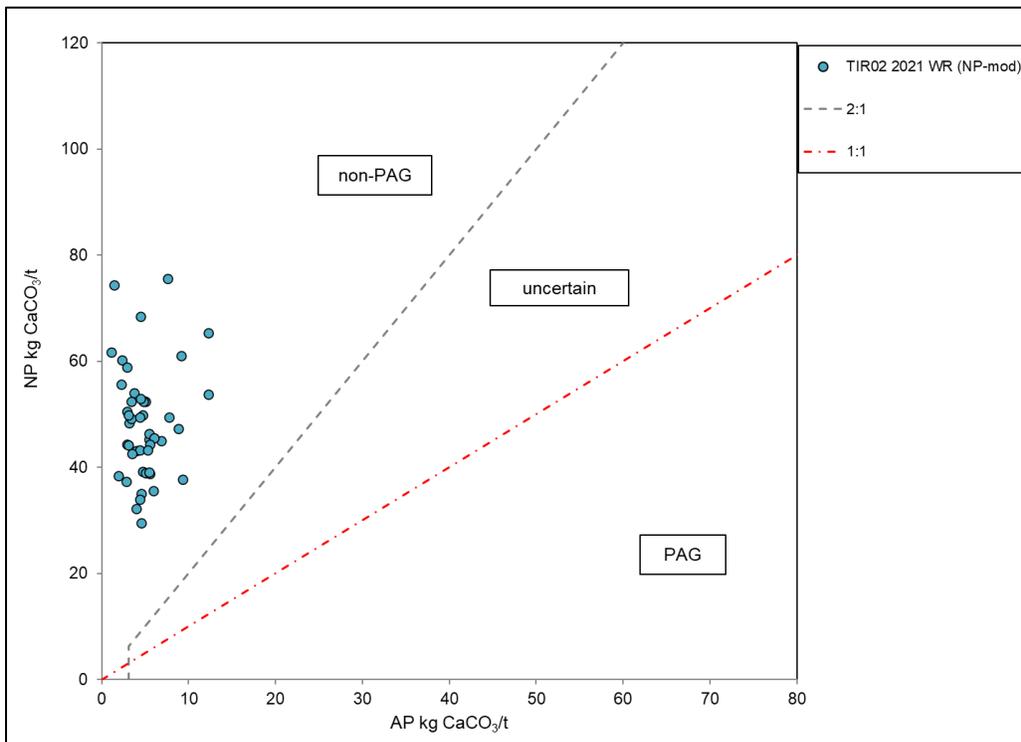
One 2020 sample is classified within the “uncertain” category. The 2020 Metal Leaching and Acid Rock Drainage Monitoring Report indicated the following regarding 2020 TIR02 ARD results:

*Mining for Tiri 2 began in 2020 and the ARD results followed similar trends with the underground waste rock results with the exception that all ratios were greater than 2 indicating non-PAG. The classification of these waste rocks are provided in Figure 6.*

This statement was incorrect as there was one sample with an NP-Ca/AP ratio of 1.3 in 2020. An investigation into the omission of this individual sample revealed that the sample was included in the original dataset, but fell outside of the axis boundaries and thus was not represented in the NP-Ca/AP figure of the report. However, the value was included in the summary statistics table as an indicated minimum NP-Ca/AP value. Retroactively, AEM wishes to clarify the presence of this data point and indicate it is considered low risk given the excess neutralization in all other samples collected from TIR02 in 2020.



**Figure 12: ARD classification for 2020 TIR02 Open Pit waste rock samples. Both NP-Ca and NP-mod values are presented to emphasize reduced carbonate content present in NP-Ca values as a result of the laboratory technique biasing discussed in Section 3.**

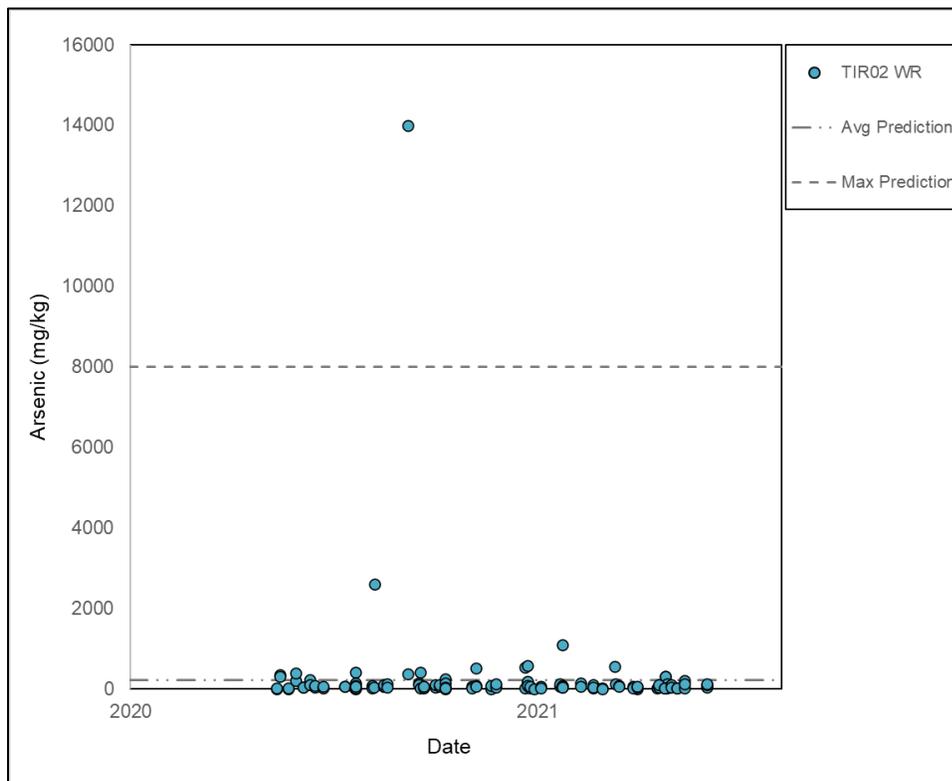


**Figure 13: ARD classification of 2021 TIR02 Waste Rock samples.**

#### 4.2.2 METAL LEACHING

As mentioned above, 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. A statistical summary for arsenic is provided in **Error! Reference source not found.3**, while complete element composition results are provided in Appendix C.

Arsenic results have been compiled and compared against average and maximum arsenic concentrations reported by Golder (2014). As shown in Figure 14, solid phase arsenic concentrations mainly fall within or below the average concentration (of 218 mg/kg). All 2021 samples are below the maximum concentration (of 8000 mg/kg) reported by Golder (2014).



**Figure 14: Arsenic concentrations in TIR02 waste rock samples compared to values from project prediction studies.**

### 4.3 TIRIGANIAQ OPEN PIT 1 WASTE ROCK

#### 4.3.1 ARD POTENTIAL

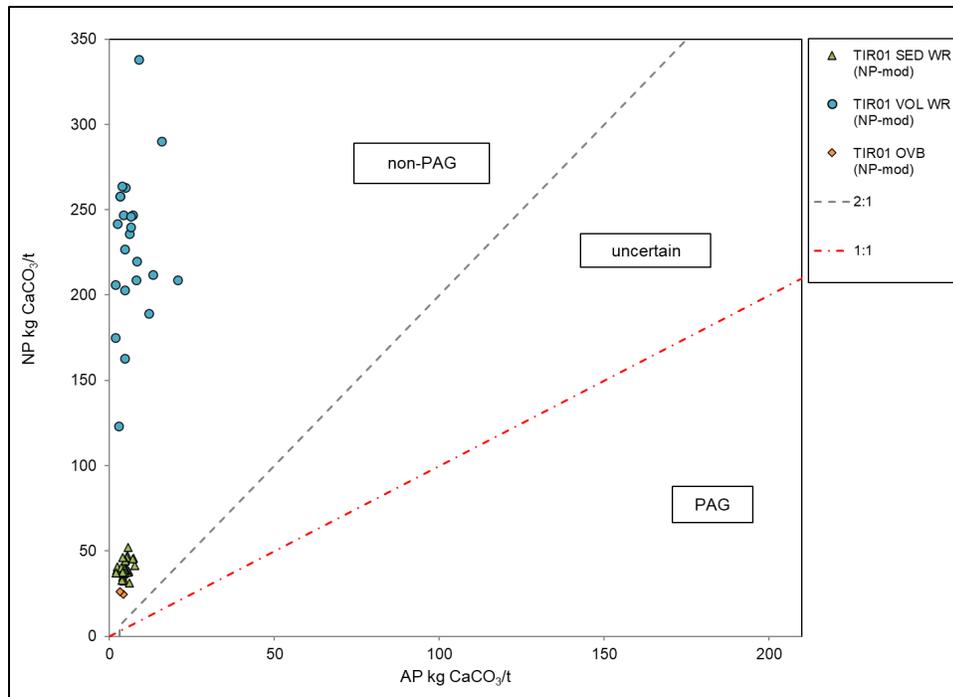
Complete 2021 TIR01 samples ABA laboratory results are provided in Appendix C, with summary statistics provided in Table 4.

**Table 4: Summary Statistics for 2021 ARD and Arsenic TIR01 Results.**

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	8.4	8.5	8.7	8.9	8.9	9.2	9.4	9.5
NP-mod	kg CaCO <sub>3</sub> /t	25	32	38	46	121	220	263	338
AP	kg CaCO <sub>3</sub> /t	1.8	2.1	3.9	4.7	5.5	6.1	12.4	20.7
Sulphur (total)	% S	0.09	0.12	0.19	0.22	0.25	0.26	0.51	0.82
Acid Leachable SO <sub>4</sub> -S	% S	0.04	0.04	0.06	0.06	0.09	0.11	0.16	0.35
Carbon (total)	% C	0.26	0.42	0.55	0.70	1.60	2.80	3.53	4.16
Carbonate (CO <sub>3</sub> )	% CO <sub>3</sub>	1.81	2.11	3.84	4.66	5.55	6.06	12.39	20.69
NP-Ca	kg CaCO <sub>3</sub> /t	10.9	22.2	39.7	49.5	126.1	228.3	288.7	340.0
NP-Ca/AP	kg CaCO <sub>3</sub> /t	3.1	4.3	8.2	11.5	22.7	39.4	89.6	112.1
NP-mod/AP	ratio	5.3	6.1	8.2	11.0	21.9	38.0	88.2	111.7
Arsenic	mg/kg	8	11	23	51	108	96	388	880

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 15. All NP-mod/AP ratios for 2021 samples were greater than 2, indicating non-PAG.



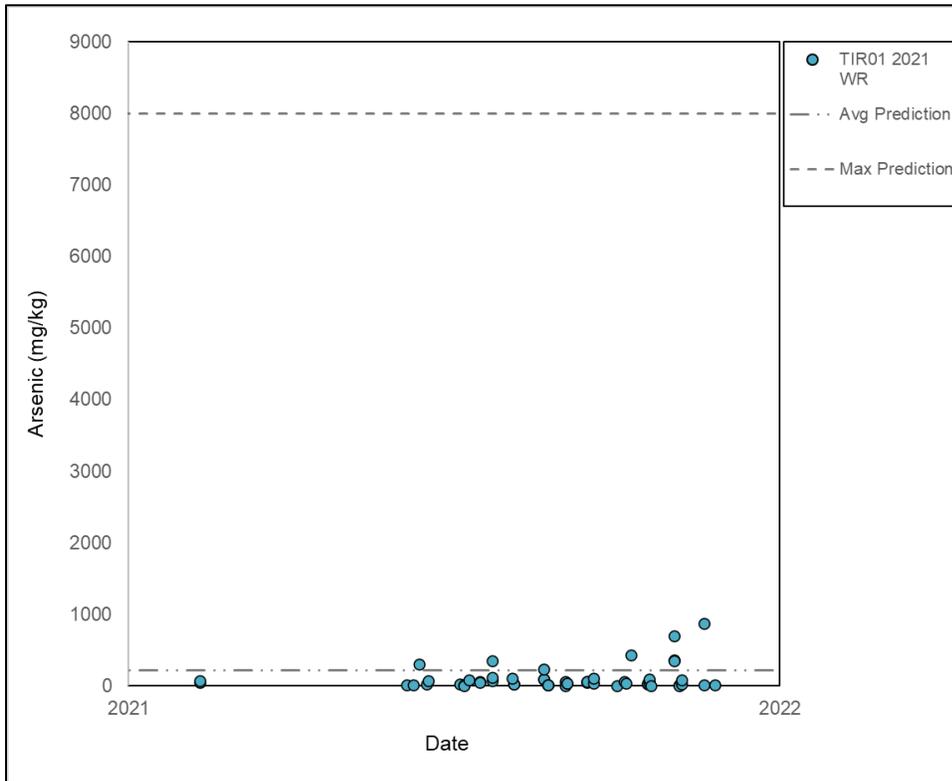
**Figure 15: ARD classification for 2021 TIR01 waste rock samples**

Note: SED is for sedimentary, VOL is for mafic volcanic, OVB is for Overburden

### 4.3.2 METAL LEACHING

A statistical summary for arsenic is provided in **Error! Reference source not found.4**, with complete element composition results provided in Appendix C.

Arsenic results have been compiled and compared against average and maximum arsenic concentrations reported by Golder (2014). As shown in Figure 16, solid phase arsenic concentrations mainly fall within or below the average concentration (of 218 mg/kg).



**Figure 16: Arsenic concentrations in TIR01 waste rock samples compared to values from project prediction studies.**

## 4.4 FILTERED TAILINGS

### 4.4.1 ARD POTENTIAL

Complete 2021 filtered tailings samples ABA laboratory results are provided in Appendix D with summary statistics provided in Table 5. The higher sulphur content in the filtered tailings compared to the waste rock is a result of the sulphides associated with gold in ore.

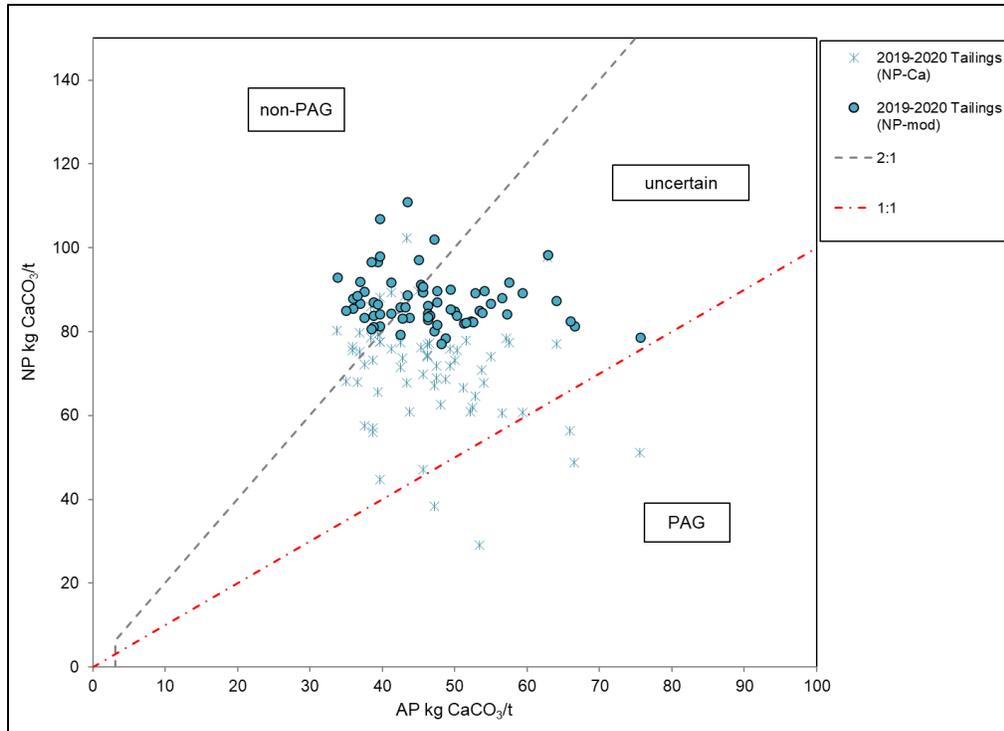
**Table 5: Summary Statistics for 2021 ARD and Arsenic Filtered Tailings Results.**

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	8.1	8.2	8.2	8.3	8.3	8.4	8.5	8.5
NP-mod	kg CaCO <sub>3</sub> /t	62	72	80	83	83	87	97	106
AP	kg CaCO <sub>3</sub> /t	20.1	29.8	38.3	40.9	41.6	46.3	50.5	57.5
Sulphur (total)	% S	0.94	1.24	1.55	1.68	1.66	1.81	2.03	2.34
Acid Leachable SO <sub>4</sub> -S	% S	0.11	0.17	0.27	0.32	0.33	0.42	0.50	0.52
Carbon (total)	% C	1.26	1.29	1.35	1.43	1.47	1.57	1.70	1.95
Carbonate (CO <sub>3</sub> )	% CO <sub>3</sub>	3.80	3.90	4.83	6.64	6.19	7.28	7.78	8.22
NP-Ca	kg CaCO <sub>3</sub> /t	63	65	80	111	103	121	130	137
NP-Ca/AP	kg CaCO <sub>3</sub> /t	1.2	1.4	2.1	2.6	2.5	3.1	3.8	4.9
NP-mod/AP	ratio	1.4	1.6	1.8	1.9	2.0	2.2	2.9	3.8
Arsenic	mg/kg	4200	6380	7950	9500	9260	10000	12000	13000

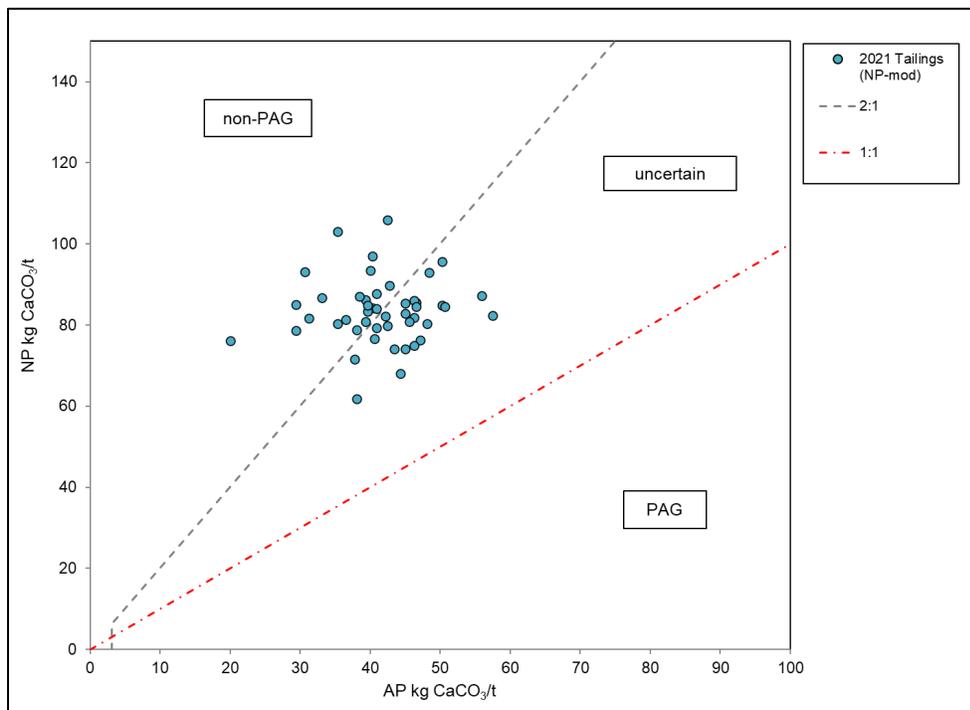
Notes: P stands for percentile (e.g. P5 equals 5th percentile); NP-mod stands for NP by Modified Sobek titration method; NP-Ca stands for NP by carbonate content by TIC.

ARD classification of filtered tailings samples collected in 2019 and 2020 is provided in Figure 17. The majority of the samples collected in 2019 and 2020 are classified as uncertain with a NPR value between 1 and 2. Some samples are classified as PAG with a NPR below 1 (based on the NP-Ca/AP ratio).

ARD classification for 2021 samples is provided in Figure 18. 2021 samples showed a NPR ratio (NP-mod/AP) above 2 (non-PAG) or between 1 and 2 (uncertain). No samples collected in 2021 had an NPR lower than 1.

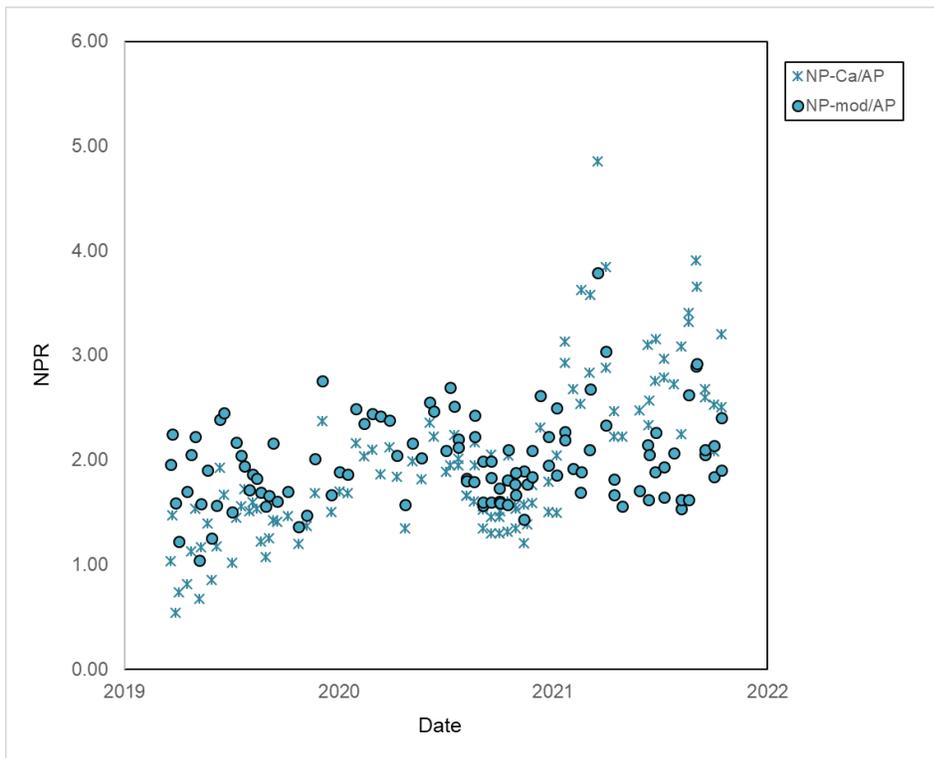


**Figure 17: ARD classification for 2019-2020 Operational Filtered Tailings samples. Both NP-Ca and NP-mod values are presented to emphasize reduced carbonate content present in NP-Ca values as a result of the laboratory technique biasing discussed in Section 3.**



**Figure 18: ARD classification of 2021 Operational Filtered Tailings samples.**

Project prediction studies in the FEIS estimated an NPR of 2.7 for the tailings, using NP-mod. 2021 samples showed a mean NPR of 2.0 (using NP-mod), while 2020 and 2019 samples showed a mean NPR of 1.7 and 1.2, respectively (using NP-Ca). Filtered tailings NPR values versus time are presented in Figure 19. A slight increasing trend is generally observed for NP-mod/AP over time, which would result in decreasing ARD potential. During early mining operations, some of the highest grade material was targeted, therefore ore with highest sulphur content being processed. In 2021, filtered tailings ARD potential decreased compared to previous years. It is expected that this decreasing trend will continue as the mine develops, and lower grade material from underground, but notably the open pits is processed. A more significant increasing trend can be observed for NP-Ca/AP versus time and can in part be attributed to the change in analysis method for carbonates (from pyrolysis to acid leach) in April 2021, and to the presence of the iron and manganese bearing carbonates (ankerite and siderite) which cause NP-Ca to overestimate actual NP in results from April 2021 and onward.



**Figure 19: NPR versus time for Operational Filtered Tailings samples**

Despite the uncertain classification of the majority of the tailings samples over the 2019-2021 period, Agnico Eagle does not consider the tailings to pose an ARD risk for the site, for the following reasons:

- the tailings are being stored in a facility that will freeze back (i.e. re-develop permafrost) and inhibit water movement within a few years post-operations;

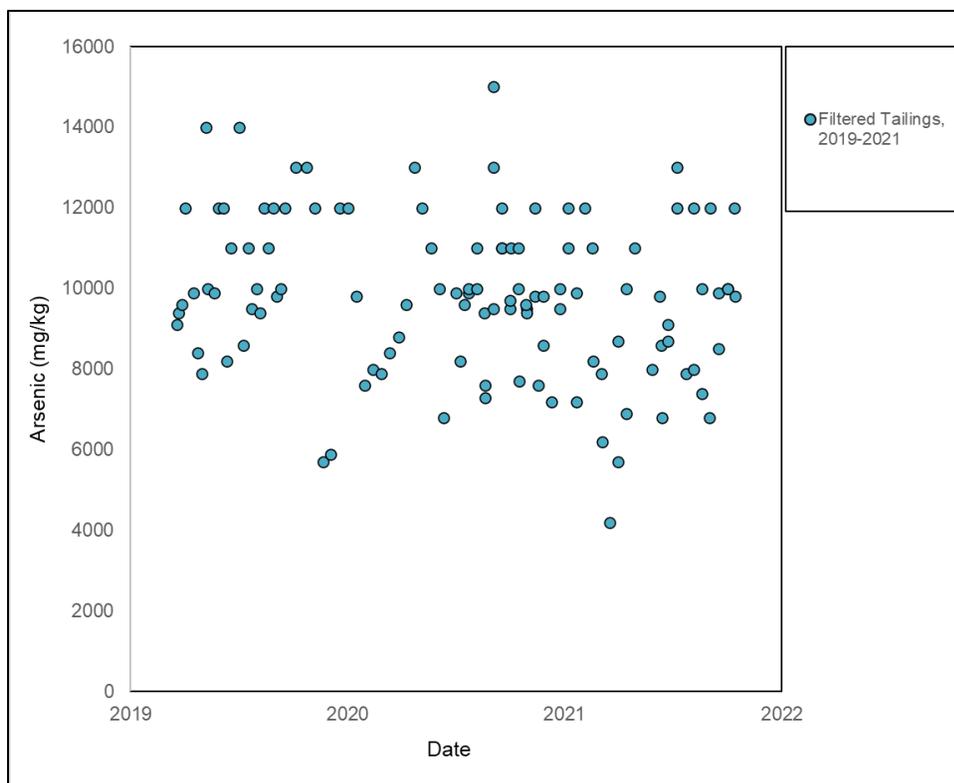
- placement of the tailings includes compacting by a vibrator packer and sloping to shed water off the facility, which will lower oxygen diffusion into the tailings and limit water contact, both established mechanisms to reduce ARD;
- there is enough carbonate in the tailings that ARD may never occur as the actual ratio that ARD onset is expected is much closer to 1.0;
- if ARD could develop, permafrost freeze back will occur before (at least one hundred years 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 still contain enough carbonate to neutralize the acidity produced until many decades after operations have ended. Furthermore, it is also worth noting that the analytical 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.

#### 4.4.2 METAL LEACHING

A statistical summary for arsenic is provided in **Error! Reference source not found.**<sup>5</sup>, with complete element composition results provided in Appendix D. 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 19.

Arsenic concentrations in filtered tailings samples ranged from a minimum of 4,200 mg/kg to a maximum of 13,000 mg/kg, with a median of 9,500 mg/kg in 2021. 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 site-wide water balance and water quality model (WBWQM) as part of the Annual Report.



**Figure 20: Solid Phase Arsenic results from 2019-2021 Operational Tailings samples**

## 4.5 CONTAINMENT POND 2 BEDROCK

### 4.5.1 ARD POTENTIAL

Complete CP2 bedrock samples ABA laboratory results are provided in Appendix E with summary statistics provided in Table 6.

**Table 6: Summary Statistics for ARD and Arsenic CP2 Bedrock Results.**

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	8.4	8.6	8.6	8.9	8.9	9.0	9.2	9.2
NP-mod	kg CaCO <sub>3</sub> /t	21	25	34	41	44	49	68	90
AP	kg CaCO <sub>3</sub> /t	1.9	1.9	2.3	2.5	3.0	3.5	4.6	5.3
Sulphur (total)	% S	0.13	0.13	0.15	0.17	0.18	0.20	0.27	0.31
Acid Leachable SO <sub>4</sub> -S	% S	0.06	0.06	0.07	0.08	0.09	0.11	0.13	0.14
Carbon (total)	% C	0.26	0.28	0.45	0.60	0.60	0.69	0.95	1.24
Carbonate (CO <sub>3</sub> )	% CO <sub>3</sub>	1.05	1.09	1.93	2.45	2.57	2.97	4.43	5.14
NP-Ca	kg CaCO <sub>3</sub> /t	18	18	32	41	43	49	74	86
NP-Ca/AP	kg CaCO <sub>3</sub> /t	5.4	6.5	11.3	16.2	14.5	18.6	21.1	21.5
NP-mod/AP	ratio	8.1	8.8	10.6	15.8	14.8	19.0	21.5	22.2
Arsenic	mg/kg	27	31	38	42	50	55	89	120

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.

For CP2 bedrock samples, NP-mod and NP-Ca values were very similar, thus it is considered that either NP value (NP-mod or NP-Ca) could be used for ARD assessment. For consistency with other sections, NP-mod was used below. It should be noted that the resulting ARD classification is the same as if NP-Ca was used. Classification of CP2 bedrock samples is provided in Figure 20. All NPRs were greater than 2, indicating non-PAG.

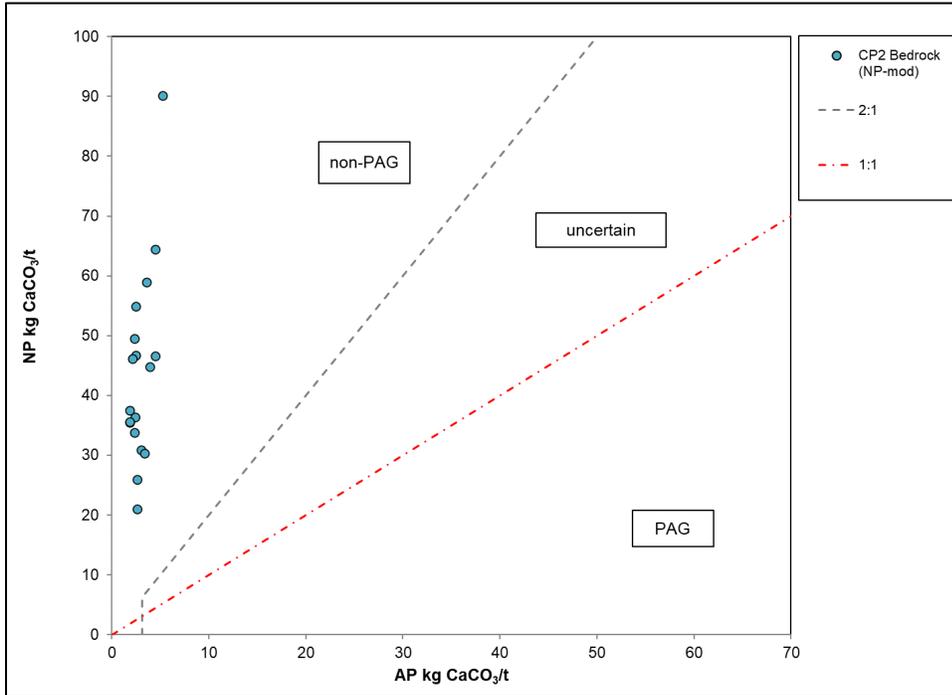
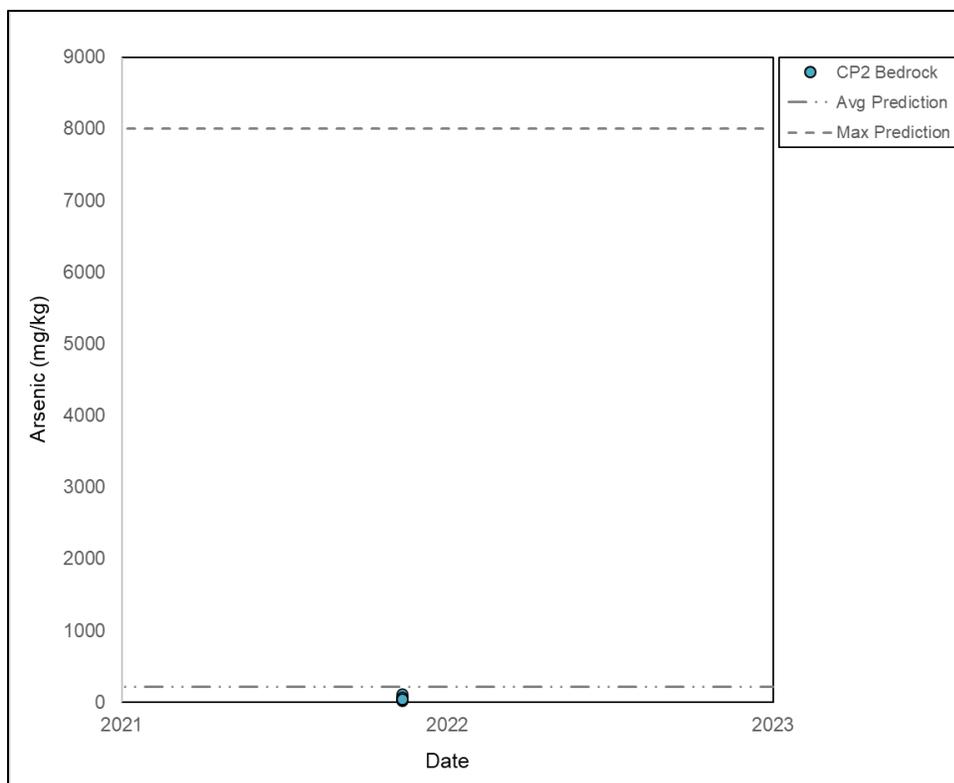


Figure 21: ARD classification of CP2 Bedrock samples collected in 2021

#### 4.5.2 METAL LEACHING

A statistical summary for arsenic is provided in **Error! Reference source not found.6**, with complete element composition results provided in Appendix E.

Arsenic results have been compiled and compared against average and maximum arsenic concentrations reported by Golder (2014). As shown in Figure 21, solid phase arsenic concentrations are well below the average and maximum concentrations (of 218 and 8000 mg/kg, respectively).



**Figure 22: Solid Phase Arsenic results of CP2 Bedrock samples collected in 2021**

## 4.6 TAILINGS STORAGE FACILITY 2019-DEPOSITED TAILINGS

### 4.6.1 ARD POTENTIAL

Complete TSF 2019-deposited tailings samples ABA laboratory results are provided in Appendix F, with summary statistics provided in Table 7.

**Table 7: Summary Statistics for ARD and Arsenic 2019-Deposited Tailings Results.**

Parameter	Units	Min	P5	P25	Median	Mean	P75	P95	Max
Paste pH	s.u.	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.3
NP-mod	kg CaCO <sub>3</sub> /t	76	78	82	83	83	84	89	92
AP	kg CaCO <sub>3</sub> /t	27	31	39	42	41	46	47	47
Sulphur (total)	% S	0.85	1.19	1.59	1.66	1.61	1.75	1.82	1.85
Acid Leachable SO <sub>4</sub> -S	% S	0.24	0.25	0.29	0.31	0.31	0.34	0.38	0.40
Carbon (total)	% C	0.82	1.15	1.44	1.47	1.41	1.48	1.48	1.49
Carbonate (CO <sub>3</sub> )	% CO <sub>3</sub>	3.74	5.07	6.48	6.67	6.42	6.83	6.91	6.92
NP-Ca	kg CaCO <sub>3</sub> /t	62	84	108	111	107	114	115	115
NP-Ca/AP	kg CaCO <sub>3</sub> /t	2.3	2.3	2.4	2.6	2.6	2.9	3.0	3.0
NP-mod/AP	ratio	1.8	1.8	1.8	2.0	2.0	2.2	2.6	2.9
Arsenic	mg/kg	5100	7410	9950	10500	10017	11000	11000	11000

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 2019-deposited tailings samples is provided in Figure 22. Similar to most of the 2019-2021 filtered tailings samples (section 4.4.1), 2019-deposited tailings samples showed NPRs greater than 2 (non-PAG) or between 1 and 2 (uncertain). Despite the uncertain classification of some 2019-deposited tailings samples, Agnico Eagle does not consider the tailings to pose an ARD risk for the site, for reasons detailed in section 4.4.1.

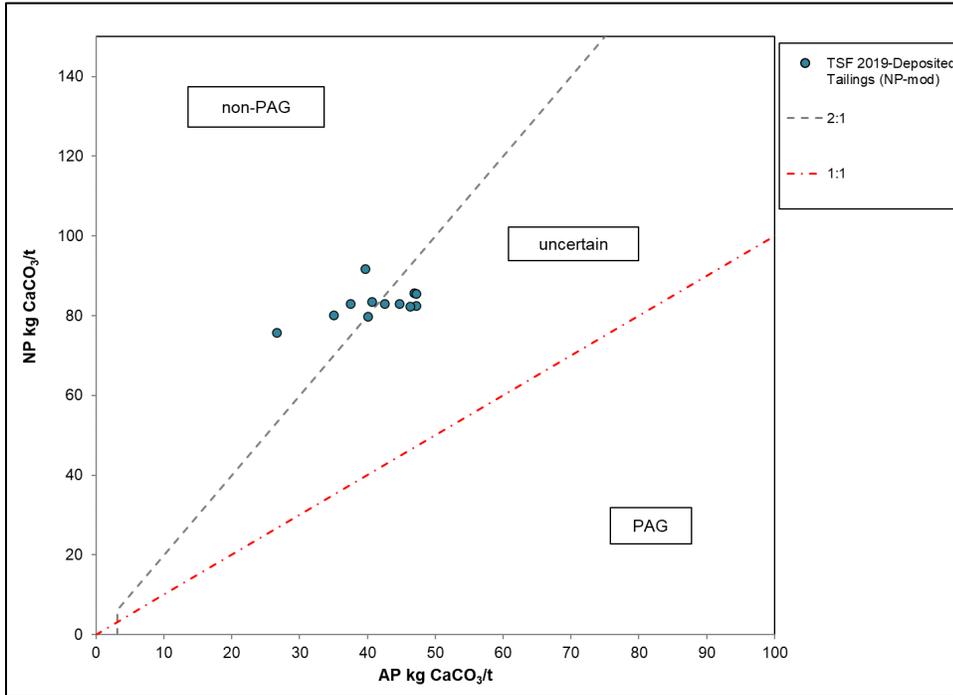
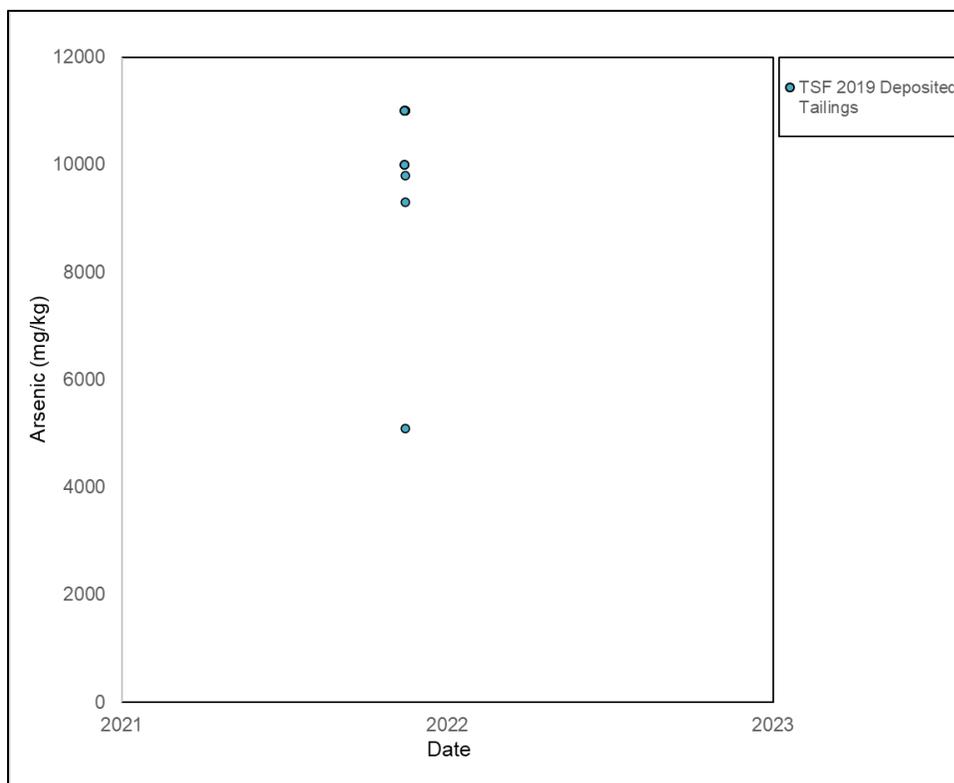


Figure 23: ARD classification of 2019-Deposited Tailings samples collected in 2021

#### 4.6.2 METAL LEACHING

A statistical summary for arsenic is provided in **Error! Reference source not found.7**, with complete element composition results provided in Appendix F. As shown in Figure 23, solid phase arsenic concentrations ranged between 5,100 and 11,000 mg/kg, which is slightly lower than the range of arsenic concentrations measured in the 2019 filtered tailings samples (7,900 to 14,000 mg/kg).



**Figure 24: Solid Phase Arsenic results in 2019-Deposited Tailings samples collected in 2021**

## 4.7 QUARRY MATERIAL AND SALINE POND 4 TEMPORARY PAD

### 4.7.1 ARD POTENTIAL

Complete quarry material and SP4 Temporary Pad samples ABA laboratory results are provided in Appendix G, with summary results provided in Table 8.

**Table 8: Summary Results for ARD and Arsenic Quarry Material and SP4 Temporary Pad.**

Parameter	Units	SP4 Temp Pad	TP Quarry N	TP Quarry S
Paste pH	s.u.	9.0	9.2	8.73
NP-mod	kg CaCO <sub>3</sub> /t	54.1	34.1	205
AP	kg CaCO <sub>3</sub> /t	17.7	11.1	14.3
Sulphur (total)	% S	0.71	0.48	0.57
Acid Leachable SO <sub>4</sub> -S	% S	0.14	0.12	0.11
Carbon (total)	% C	0.82	0.44	3.17
Carbonate (CO <sub>3</sub> )	% CO <sub>3</sub>	3.90	2.0	15.2
NP-Ca	kg CaCO <sub>3</sub> /t	65	34	253
NP-Ca/AP	kg CaCO <sub>3</sub> /t	3.7	3.1	17.7
NP-mod/AP	ratio	3.1	3.1	14.3
Arsenic	mg/kg	28	160	3100

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 for those samples is provided in Figure 24. All NPRs were greater than 2, indicating non-PAG.

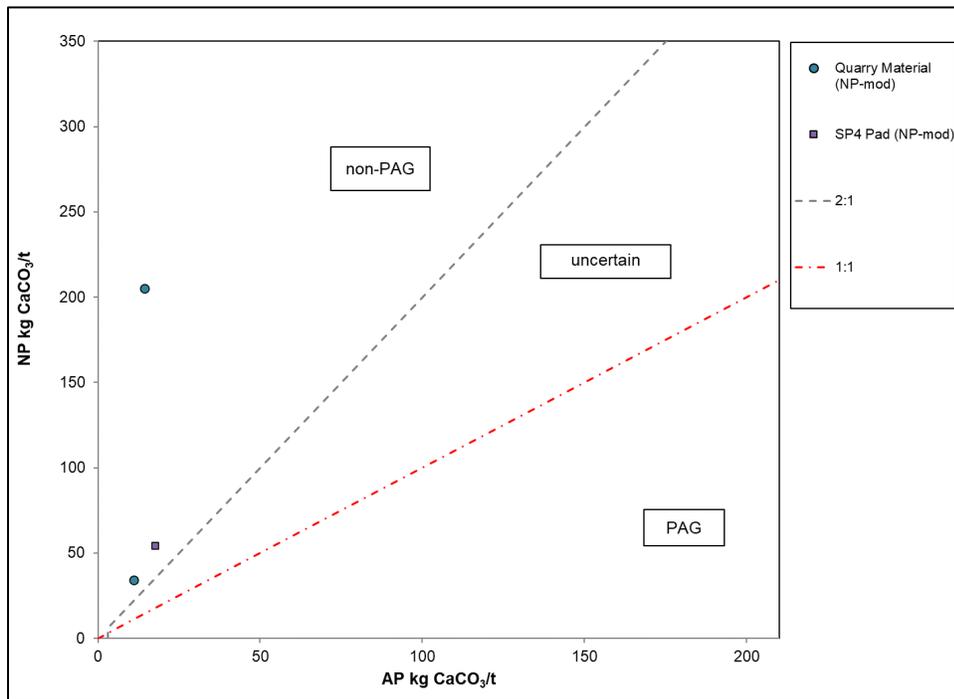
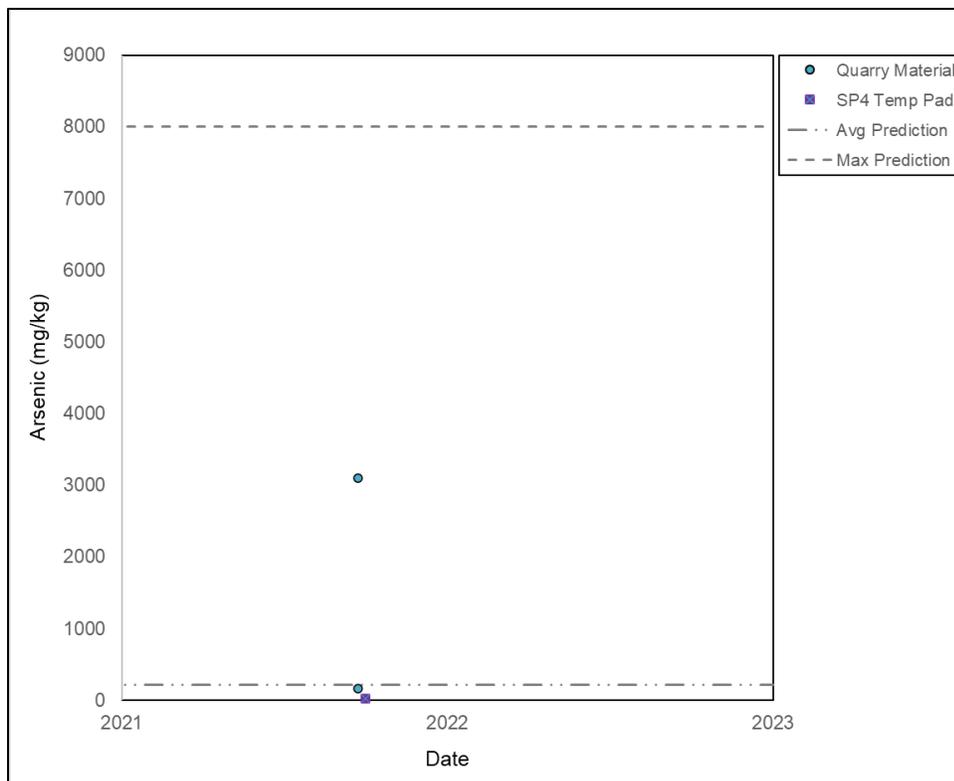


Figure 25: ARD classification of quarry material samples and SP4 temporary pad samples collected in 2021

#### 4.7.2 METAL LEACHING

A summary of arsenic results is provided in **Error! Reference source not found.8**, with complete element composition results provided in Appendix G.

When compared with average and maximum arsenic concentrations reported by Golder (2014), one quarry material sample exceeds the average concentration (of 218 mg/kg), as shown in Figure 25 below.



**Figure 26: Solid Phase Arsenic results of quarry material samples and SP4 temporary pad samples collected in 2021**

#### 4.8 QUALITY ASSURANCE/QUALITY CONTROL

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

Field duplicates were collected in 2021 as part of the internal quality control procedures. Duplicate samples are collected simultaneously in the field at the same sampling location and using identical sampling procedures as the parent samples. Duplicates are used to assess sampling variability and sample homogeneity. In 2021:

- Fourteen (14) duplicates of underground waste rock were collected from a total of 75 samples, representing 18.7% of samples taken;
- Ten (10) duplicates of open pit waste rock were collected from a total of 90 samples (48 for TIR01 and 42 for TIR02, 5 duplicates each), representing 11.1% of samples taken (or 10.4% for TIR01 and 11.9% for TIR02);
- No duplicates were taken for the operational filtered tailings and other sampling programs carried out in 2021 for geochemical monitoring.

Overall, collected and analyzed duplicate samples represent 9.8% of the samples collected throughout 2021 for geochemical monitoring. Moving forward, Agnico Eagle will aim to distribute

duplicate samples among the different types of samples collected for geochemical monitoring, including filtered tailings.

## 5 CONCLUSION

Based on geochemical characterization results obtained to date for the waste rock samples from underground/open pit development areas and containment ponds, the risk for ARD or metal leaching from the excavated materials is considered low. Results are within the prediction studies for the project.

The filtered tailings and 2019-deposited tailings results show a slightly lower NPR than what was predicted in the baseline study. However, they are assessed to pose a low risk for ARD due to the management systems in place and closure approach developed for the storage facility. Indeed, for samples that remain in an uncertain category, it is important to put context on the classification in terms of the management and closure plan for the tailings. The classification indicates that there is an uncertain chance that the tailings samples in question have the potential to produce ARD. This classification of uncertain potential is also for sulphidic material that is in a fully oxygenated atmosphere and above freezing conditions. The management of the tailings in a dry, compacted, and frozen facility will ensure that the potential of these tailings to produce ARD is inhibited. The progressive covering of the tailings during operations, limited oxygen availability, and low potential for contact with water further mitigate conditions for ARD generation.

Furthermore, it should be noted that during early mining operations, some of the highest grade material was targeted, which would also result in ore with highest sulphur content being processed. In 2021, filtered tailings ARD potential decreased compared to previous years. It is expected that this decreasing trend will continue as the mine develops, and lower grade material from underground, but notably the open pits is processed.

In conclusion, based on the 2021 monitoring results for ARD/ML characterization, no additional management criteria is required at the moment for mine waste materials at Meliadine, in line with the predictions from the project baseline studies (Golder 2014). Geochemical monitoring for operational waste rock, tailings and other excavated or construction material will continue in 2022 and results will be reviewed internally as they become available to ensure there is no risk to the receiving environment.

## 6 REFERENCES

- Agnico Eagle Mines Limited, 2021. 2020 Metal Leaching and Acid Rock Drainage Monitoring Report, March 2021.
- Agnico Eagle Mines Limited, 2021. Geochemical Characterization Guide, 2<sup>nd</sup> Edition. Last updated November 8, 2021.
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- NWB (Nunavut Water Board). 2021. Amended Type A Water Licence No. 2AM-MEL1631.
- SGS Canada Inc., 2021. Letter regarding Agnico Eagle Mines, Meliadine Project, carbonate analysis.
- SRK Consulting (Canada) Inc., 2021. Draft Technical Memo – Meliadine Mine Carbonate Bias Assessment.

Appendix A: SGS Laboratory letter  
(April 2021) regarding carbonate  
analysis for Meliadine Mine



April 27, 2021

SGS Canada Inc.  
Environment, Health and Safety.  
185 Concession St., Box 4300  
Lakefield, Ontario  
Canada, K0L 2H0

*Regarding Agnico Eagle Mines, Meliadine Project, carbonate analysis*

SGS Canada Lakefield performed carbonate (CO<sub>3</sub>) analysis on the tailings samples submitted by Agnico Eagle Mines, Meliadine Project. These samples were also analyzed by the SGS Canada Burnaby laboratory. It was observed that both sites demonstrated equivalent total carbon values, however the SGS Canada Burnaby laboratory reported carbonate values that were consistently higher than the carbonate values reported by the SGS Lakefield laboratory.

Two different approaches were used by the laboratories, SGS Burnaby used a coulometric titration (MEND-2009) whereas SGS Lakefield used a pyrolysis technique as referenced in ASTM E1915. To investigate the differences a set of tailings samples were retrieved and analyzed using the following methods at the SGS Lakefield laboratory; CO<sub>3</sub> by pyrolysis (ASTM E1915), CO<sub>3</sub> by hydrochloric acid leach (ASTM E1915, MEND 2009), and CO<sub>3</sub> by perchloric acid leach (modified coulometric technique).

Comparison of the analytical results demonstrated the perchloric acid leach and hydrochloric acid leach matched well. The results from the pyrolysis method were biased low when compared with the acid leachable values. This indicates a possible interference with the pyrolysis method, suggesting the unexpected loss or decomposition of a carbonate mineral at the temperature specified in the reference method, which would result in a low bias of carbonate values analyzed by the pyrolysis method.

All the tailings samples from 2020 were retrieved and re-analyzed, comparing the acid leach method values to the pyrolysis values and the same bias was apparent. The analytical data was then compared to the data generated by SGS Burnaby, on the same samples. The SGS Burnaby and SGS Lakefield acid leach data correlated well, while the pyrolysis values were low, suggesting that ASTM pyrolysis method is not ideal for the tailings samples and that the acid leach or coulometric technique is a more robust choice.

A handwritten signature in black ink that reads 'Robert Irwin'.

Robert Irwin  
B.Sc. C.Chem.  
Technical Manager, Inorganic Chemistry  
SGS Canada Inc.  
Environmental, Health and Safety

# Appendix B: Underground 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

12-February-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 21 January 2021  
**LR Report:** CA13436-JAN21  
**Reference:** P.O.# 770080

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

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC129836-DP 2-400-123-7 KSC-WA	CAMLC129837-DP 1-400-134-3 M
Sample Date & Time					14-Jan-21 00:00	14-Jan-21 00:00
s [no unit]	09-Feb-21	08:00	11-Feb-21	14:54	8.56	8.64
Fizz Rate [no unit]	09-Feb-21	08:00	10-Feb-21	16:03	2	3
Sample weight [g]	09-Feb-21	08:00	10-Feb-21	16:03	2.00	2.04
HCl_add [mL]	10-Feb-21	06:10	10-Feb-21	16:03	23.50	124.20
HCl [Normality]	09-Feb-21	08:00	10-Feb-21	16:03	0.10	0.10
NaOH [Normality]	09-Feb-21	08:00	10-Feb-21	16:03	0.10	0.10
Vol NaOH to pH=8.3 [mL]	10-Feb-21	08:00	10-Feb-21	16:03	12.48	42.07
Final pH [no unit]	10-Feb-21	08:00	10-Feb-21	16:03	1.62	1.65
NP [t CaCO3/1000 t]	10-Feb-21	08:00	10-Feb-21	16:03	27.6	201
AP [t CaCO3/1000 t]	10-Feb-21	16:03	10-Feb-21	16:03	1.88	11.6
Net NP [t CaCO3/1000 t]	10-Feb-21	16:03	10-Feb-21	16:03	25.7	190
NP/AP [ratio]	10-Feb-21	16:03	10-Feb-21	16:03	14.7	17.4
S [%]	27-Jan-21	11:55	27-Jan-21	14:27	0.137	0.467
Acid Leachable SO4-S [%]	27-Jan-21	14:27	27-Jan-21	14:27	0.08	0.10
Sulphide [%]	27-Jan-21	13:01	27-Jan-21	14:27	0.06	0.37
C [%]	27-Jan-21	11:55	03-Feb-21	12:46	0.401	2.46
CO3 [%]	03-Feb-21	08:31	03-Feb-21	12:46	1.44	11.4

Analysis	7:	8:	9:	10:	11:
	CAMLC129844-DP 1-375-162-2 KS	CAMLC129845-F W1-400-E2-23 KS	CAMLC129846-DP 1-400-134-4 M	CAMLC129847-DP 1-400-134-4 M S-DUP	CAMLC129847-DP 2-400-123-8 KSC-WA
Sample Date & Time	16-Jan-21 00:00	16-Jan-21 00:00	16-Jan-21 00:00	16-Jan-21 00:00	16-Jan-21 00:00
s [no unit]	8.56	8.58	8.65	8.69	8.72
Fizz Rate [no unit]	3	3	3	3	3
Sample weight [g]	2.01	2.00	1.99	2.04	2.04
HCl_add [mL]	122.00	75.20	88.70	88.60	77.50

**SGS Canada Inc.**

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

LR Report : CA13436-JAN21

Analysis	7:	8:	9:	10:	11:
	CAMLC129844-DP 1-375-162-2 KS	CAMLC129845-F W1-400-E2-23 KS	CAMLC129846-DP 1-400-134-4 M	CAMLC129847-DP 1-400-134-4 M S-DUP	CAMLC129847-DP 2-400-123-8 KSC-WA
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]	46.81	25.78	30.06	28.99	27.43
Final pH [no unit]	1.69	1.69	1.64	1.66	1.64
NP [t CaCO3/1000 t]	187	124	147	146	123
AP [t CaCO3/1000 t]	67.8	6.25	3.12	3.75	5.62
Net NP [t CaCO3/1000 t]	119	117	144	142	117
NP/AP [ratio]	2.76	19.8	47.1	39.0	21.8
S [%]	2.80	0.339	0.213	0.259	0.356
Acid Leachable SO4-S [%]	0.63	0.14	0.11	0.14	0.18
Sulphide [%]	2.17	0.20	0.10	0.12	0.18
C [%]	2.79	1.53	1.86	1.91	1.55
CO3 [%]	11.2	6.88	8.79	8.63	7.09

\*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

**SGS Canada Inc.**

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

08-February-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 21 January 2021  
**LR Report:** CA13437-JAN21  
**Reference:** P.O.# 770080

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

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC129836-DP2-400-123-7 KSC-WA	6: CAMLC129837-DP1-400-134-3 M	7: CAMLC129844-DP1-375-162-2 KS	8: CAMLC129845-FW1-400-E2-23 KS
Sample Date & Time					14-Jan-21 00:00	14-Jan-21 00:00	16-Jan-21 00:00	16-Jan-21 00:00
Ag [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	< 1	< 1	2	< 1
Al [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	90000	65000	64000	66000
As [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	88	18	5300	430
Ba [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	840	83	430	340
Be [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	1.46	0.50	0.95	0.76
Bi [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	0.11	< 0.09	8.95	0.15
Ca [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	7900	78000	46000	45000
Cd [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	0.09	0.22	0.30	0.16
Co [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	25	44	38	29
Cr [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	96	97	120	120
Cu [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	45	96	280	93
Fe [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	47000	63000	64000	76000
K [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	26000	4800	25000	11000
Li [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	40	49	12	47
Mg [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	17000	18000	16000	17000
Mn [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	380	1900	1700	1100
Mo [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	1.5	0.3	3.4	0.8
Na [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	14000	17000	6100	12000
Ni [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	91	110	88	90
P [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	480	260	360	410
Pb [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	11	6.15	350	17
Sb [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	< 0.8	< 0.8	1.4	< 0.8
Se [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	< 0.7	< 0.7	2.4	< 0.7
Sn [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	< 6	< 6	< 6	< 6
Sr [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	230	190	140	150
Ti [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	4100	5200	3300	2900
Tl [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	0.67	0.18	1.37	0.51
U [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	1.74	0.088	0.59	0.75
V [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	140	270	200	180
Y [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	8.35	13.6	6.38	12.9
Zn [µg/g]	29-Jan-21	10:00	01-Feb-21	13:50	95	85	110	130

**SGS Canada Inc.**

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

LR Report : CA13437-JAN21

Analysis	9: CAMLC129846-DP1-CAMLC129847-DP1-400-134-4 M	10: 400-134-4 M S-DUP	11: CAMLC129847-DP2-400-123-8 KSC-WA
Sample Date & Time	16-Jan-21 00:00	16-Jan-21 00:00	16-Jan-21 00:00
Ag [µg/g]	< 1	< 1	< 1
Al [µg/g]	66000	66000	68000
As [µg/g]	63	68	590
Ba [µg/g]	400	400	330
Be [µg/g]	0.75	0.77	0.75
Bi [µg/g]	0.16	0.17	0.13
Ca [µg/g]	52000	53000	46000
Cd [µg/g]	0.13	0.14	0.15
Co [µg/g]	32	31	34
Cr [µg/g]	100	90	110
Cu [µg/g]	54	52	92
Fe [µg/g]	50000	51000	78000
K [µg/g]	10000	10000	11000
Li [µg/g]	38	39	48
Mg [µg/g]	17000	17000	18000
Mn [µg/g]	1200	1200	1200
Mo [µg/g]	0.9	0.9	0.8
Na [µg/g]	22000	22000	12000
Ni [µg/g]	88	89	95
P [µg/g]	330	360	430
Pb [µg/g]	23	26	18
Sb [µg/g]	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6
Sr [µg/g]	240	250	160
Ti [µg/g]	3400	3500	2800
Tl [µg/g]	0.30	0.30	0.49
U [µg/g]	0.87	0.93	0.75
V [µg/g]	170	170	190
Y [µg/g]	12.1	11.7	13.3
Zn [µg/g]	98	99	130

Chromium may not recover completely depending on sample matrix.

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



mel

**SGS Canada Inc.**

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

10-February-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 21 January 2021  
**LR Report:** CA13438-JAN21  
**Reference:** P.O.# 770080

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

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAML129836-DP2-400-123-7 KSC-WA	6: CAML129837-DP1-400-134-3 M	7: CAML129844-DP1-375-162-2 KS	8: CAML129845-FW1-400-E2-23 KS
Sample Date & Time					14-Jan-21 00:00	14-Jan-21 00:00	16-Jan-21 00:00	16-Jan-21 00:00
Sample weight [g]	01-Feb-21	09:45	02-Feb-21	09:07	250	250	250	250
Volume D.I. Water [mL]	01-Feb-21	09:45	02-Feb-21	09:07	750	750	750	750
Final pH [no unit]	02-Feb-21	08:03	02-Feb-21	09:07	8.85	8.86	8.42	8.93
pH [No unit]	02-Feb-21	15:21	03-Feb-21	10:36	8.62	8.29	8.43	8.46
Conductivity [uS/cm]	02-Feb-21	15:21	03-Feb-21	10:36	551	191	708	263
Alkalinity [mg/L as CaCO3]	02-Feb-21	15:21	03-Feb-21	10:36	53	46	93	55
SO4 [mg/L]	04-Feb-21	06:43	04-Feb-21	09:04	11	3	40	3
Hg [mg/L]	04-Feb-21	15:13	04-Feb-21	15:47	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.600	0.824	0.362	1.00
As [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.0226	0.0012	0.189	0.0346
Ba [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.00520	0.00266	0.00707	0.00404
B [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.260	0.097	0.296	0.447
Be [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.000007	0.000007	0.000075	0.000007
Ca [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	16.3	12.3	28.9	9.61
Cd [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.000258	0.000050	0.000192	0.000254
Cr [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.00036	0.00021	0.00039	0.00024
Cu [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	26.6	4.75	33.2	15.7
Li [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.0010	0.0019	0.0041	0.0009
Mn [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.00071	0.00307	0.0206	0.00086
Mg [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	4.68	2.25	11.4	2.07
Mo [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.00064	0.00019	0.00135	0.00389
Na [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	61.9	18.6	67.6	29.4
Ni [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.0002	< 0.0001	0.0008	< 0.0001
P [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.003	< 0.003	< 0.003	< 0.003
Pb [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.00001	< 0.00001	0.00002	0.00002
Sb [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.0034	< 0.0009	0.0056	0.0028
Se [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.00011	0.00011	0.00177	0.00015
Si [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	1.61	0.99	1.67	1.06

Online LIMS

0002400072

**SGS Canada Inc.**

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

**LR Report : CA13438-JAN21**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAML129836-DP2-400-123-7 KSC-WA	6: CAML129837-DP1-400-134-3 M	7: CAML129844-DP1-375-162-2 KS	8: CAML129845-FW1-400-E2-23 KS
Sn [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.100	0.0482	0.189	0.0901
Ti [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.000017	0.000008	0.000021	0.000014
U [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.000009	< 0.000002	0.000225	0.000022
V [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	0.00138	0.00097	0.00126	0.00083
Zn [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	05-Feb-21	10:09	09-Feb-21	15:24	< 0.002	< 0.002	< 0.002	< 0.002

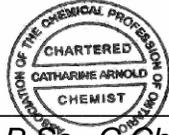
Analysis	9: CAML129846-DP1-400-134-4 M	10: CAML129847-DP1-400-134-4 M S-DUP	11: CAML129847-DP2-400-123-8 KSC-WA
Sample Date & Time	16-Jan-21 00:00	16-Jan-21 00:00	16-Jan-21 00:00
Sample weight [g]	250	250	250
Volume D.I. Water [mL]	750	750	750
Final pH [no unit]	8.92	8.96	9.22
pH [No unit]	8.47	8.50	8.84
Conductivity [uS/cm]	174	193	194
Alkalinity [mg/L as CaCO3]	46	52	61
SO4 [mg/L]	< 2	2	2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.958	0.930	0.814
As [mg/L]	0.0007	0.0008	0.0271
Ba [mg/L]	0.00120	0.00378	0.00405
B [mg/L]	0.186	0.227	0.301
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.000007	< 0.000007	< 0.000007
Ca [mg/L]	10.9	11.3	7.91
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000051	0.000069	0.000098
Cr [mg/L]	0.00018	0.00014	0.00017
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007
K [mg/L]	4.81	4.32	12.9
Li [mg/L]	0.0016	0.0020	0.0011
Mn [mg/L]	0.00196	0.00284	0.00074
Mg [mg/L]	1.54	1.67	2.28
Mo [mg/L]	0.00039	0.00016	0.00065
Na [mg/L]	15.2	18.2	20.7
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001
P [mg/L]	< 0.003	< 0.003	0.003
Pb [mg/L]	< 0.00001	< 0.00001	0.00005
Sb [mg/L]	0.0013	0.0013	0.0054
Se [mg/L]	0.00006	0.00007	0.00015
Si [mg/L]	0.81	0.88	2.01
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0479	0.0559	0.0472
Ti [mg/L]	< 0.00005	< 0.00005	0.00014
Tl [mg/L]	0.000015	0.000017	< 0.000005
U [mg/L]	< 0.000002	< 0.000002	0.000050

**SGS Canada Inc.**

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

LR Report : CA13438-JAN21

Analysis	9:	10:	11:
	CAML129846-DP1-CAML129847-DP1-CAML129847-DP2- 400-134-4 M 400-134-4 M S-DUP 400-123-8 KSC-WA		
V [mg/L]	0.00089	0.00101	0.00396
Zn [mg/L]	< 0.002	< 0.002	< 0.002
Zr [mg/L]	< 0.002	< 0.002	< 0.002

*Catharine Arnold* 

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



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MEL

Project : P.O# 77080

24-February-2022

**Agnico Eagle Mines Limited**  
Attn : Randy Schwandt/Brett Fairbairn

Date Rec. : 01 February 2022  
LR Report: CA14018-FEB22  
Reference: Meliadine

Meliadine  
, Nunavut  
X0C 0A0, Canada

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## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CALMLM1822 27 DP1-375-160 KSC-WA	CALMLM1822 28 PA1-325-W KSC-WA	CALMLM1822 29 DP1-475-108 KSC-WA
Sample Date & Time					15-Sep-21	15-Sep-21	15-Sep-21
Paste pH [no unit]	10-Feb-22	09:04	10-Feb-22	14:13	8.03	9.03	8.90
Fizz Rate [no unit]	08-Feb-22	08:30	10-Feb-22	14:13	2	2	2
Sample weight [g]	08-Feb-22	08:30	10-Feb-22	14:13	2.02	2.00	2.08
HCl_add [mL]	09-Feb-22	06:30	10-Feb-22	14:13	50.80	40.40	42.80
HCl [Normality]	08-Feb-22	08:30	10-Feb-22	14:13	0.10	0.10	0.10
NaOH [Normality]	08-Feb-22	08:30	10-Feb-22	14:13	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	09-Feb-22	08:38	10-Feb-22	14:13	27.94	19.95	19.23
Final pH [no unit]	09-Feb-22	08:38	10-Feb-22	14:13	1.58	1.75	1.85
NP [t CaCO3/1000 t]	09-Feb-22	08:38	10-Feb-22	14:13	56.6	51.1	56.7
AP [t CaCO3/1000 t]	22-Feb-22	08:29	22-Feb-22	08:29	1.88	1.25	1.25
Net NP [t CaCO3/1000 t]	22-Feb-22	08:29	22-Feb-22	08:29	54.7	49.8	55.4
NP/AP [ratio]	22-Feb-22	08:29	22-Feb-22	08:29	30.2	40.9	45.4
S [%]	17-Feb-22	06:51	22-Feb-22	08:29	0.108	0.039	0.070
Acid Leachable SO4-S [%]	22-Feb-22	08:29	22-Feb-22	08:29	0.05	< 0.04	< 0.04
Sulphide [%]	19-Feb-22	13:00	22-Feb-22	08:29	0.06	< 0.04	< 0.04
C [%]	17-Feb-22	06:51	22-Feb-22	08:29	1.04	0.688	0.802
CO3 (pyro) [%]	18-Feb-22	13:48	22-Feb-22	08:29	2.89	1.44	2.30
CO3 (HCl) [%]	19-Feb-22	14:00	22-Feb-22	08:29	4.53	3.43	3.95

Analysis	8:	9:	10:	11:
	CALMLM1822 30 DP1-475-108 KSC-WA	CALMLM1822 31 DP1-450-114 KSC-WA	CALMLM1822 32 DP1-325-170 KSC-WA	CALMLM1822 33 PA1-325-W KSC-WA
Sample Date & Time	15-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21
Paste pH [no unit]	8.90	8.61	8.82	8.93

Analysis	8: CALMLM1822 30 DP1-475-108 KSC-WA	9: CALMLM1822 31 DP1-450-114 KSC-WA	10: CALMLM1822 32 33 PA1-325-W KSC-WA	11: CALMLM1822
Fizz Rate [no unit]	2	2	2	2
Sample weight [g]	1.95	1.98	1.99	1.95
HCl_add [mL]	41.40	34.10	34.90	41.90
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]	18.33	21.24	20.64	19.61
Final pH [no unit]	1.87	1.53	1.62	1.80
NP [t CaCO3/1000 t]	59.2	32.5	35.8	57.2
AP [t CaCO3/1000 t]	1.56	4.69	1.88	1.25
Net NP [t CaCO3/1000 t]	57.6	27.8	33.9	56.0
NP/AP [ratio]	37.9	6.93	19.1	45.8
S [%]	0.070	0.219	0.144	0.072
Acid Leachable SO4-S [%]	< 0.04	0.07	0.08	< 0.04
Sulphide [%]	0.05	0.15	0.06	0.04
C [%]	0.872	0.442	0.455	0.934
CO3 (pyro) [%]	2.79	1.44	1.42	2.54
CO3 (HCl) [%]	4.41	2.16	2.25	4.64

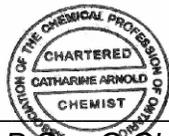
\*NP (Neutralization Potential)  
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)  
 -----  
 Weight of Sample

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

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

NP/AP Ratio = NP/AP

\*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material  
 Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

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MEL

Project : P.O# 770080

24-February-2022

**Agnico Eagle Mines Limited**

Attn : Randy Schwandt/Brett Fairbairn

Date Rec. : 01 February 2022

LR Report: CA14019-FEB22

Reference: Meliadine

Meliadine  
, Nunavut  
X0C 0A0, Canada

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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: CALMLM1822 27 28 DP1-375-160 KSC-WA	6: CALMLM1822 PA1-325-W KSC-WA	7: CALMLM1822 29 DP1-475-108 KSC-WA
Sample Date & Time					15-Sep-21	15-Sep-21	15-Sep-21
Ag [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	< 0.5	< 0.5	< 0.5
Al [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	77000	85000	74000
As [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	190	9.5	18
Ba [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	1100	550	540
Be [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	2	0.99	1
Bi [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	0.11	0.12	< 0.09
Ca [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	19000	21000	22000
Cd [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	0.12	0.05	0.09
Co [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	10	9	11
Cr [µg/g]	15-Feb-22	16:23	17-Feb-22	09:14	14	13	13
Cu [µg/g]	15-Feb-22	16:23	17-Feb-22	09:14	8.0	9.6	14
Fe [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	120000	42000	50000
K [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	26000	15000	16000
Li [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	28	20	24
Mg [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	12000	6300	9500
Mn [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	270	280	310
Mo [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	2.1	0.7	0.5
Na [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	1900	41000	32000
Ni [µg/g]	15-Feb-22	16:23	17-Feb-22	09:14	19	16	21
P [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	460	390	380
Pb [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	15	8	8
Sb [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	< 0.8	< 0.8	< 0.8
Se [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	< 0.7	< 0.7	< 0.7
Sn [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	< 6	< 6	< 6
Sr [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	220	470	360
Ti [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	2000	2300	2300

Online LIMS

0002809730

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CALMLM1822 27 28 PA1-325-W DP1-375-160 KSC-WA	CALMLM1822 KSC-WA	CALMLM1822 29 DP1-475-108 KSC-WA
Tl [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	0.63	0.29	0.29
U [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	2.11	1.11	0.62
V [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	44	43	51
Y [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	6.42	5.65	4.10
Zn [µg/g]	10-Feb-22	13:03	11-Feb-22	11:11	67	41	59

Analysis	8:	9:	10:	11:
	CALMLM1822 30 DP1-475-108 KSC-WA	CALMLM1822 31 DP1-450-114 KSC-WA	CALMLM1822 32 33 PA1-325-W DP1-325-170 KSC-WA	CALMLM1822 KSC-WA
Sample Date & Time	15-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	77000	65000	79000	80000
As [µg/g]	180	50	35	23
Ba [µg/g]	560	220	460	480
Be [µg/g]	1	0.55	1	0.98
Bi [µg/g]	0.16	0.24	0.26	< 0.09
Ca [µg/g]	21000	14000	16000	20000
Cd [µg/g]	0.14	0.05	0.05	0.10
Co [µg/g]	15	9	10	9
Cr [µg/g]	28	21	23	13
Cu [µg/g]	30	62	22	27
Fe [µg/g]	42000	130000	110000	35000
K [µg/g]	20000	7300	14000	16000
Li [µg/g]	21	35	36	14
Mg [µg/g]	9800	11000	11000	6500
Mn [µg/g]	340	270	340	320
Mo [µg/g]	2.5	1.4	0.7	1.1
Na [µg/g]	31000	10000	17000	38000
Ni [µg/g]	39	20	19	17
P [µg/g]	420	470	460	380
Pb [µg/g]	9	7	6	7
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	330	240	280	410
Ti [µg/g]	2600	1700	2300	2100
Tl [µg/g]	0.41	0.13	0.27	0.35
U [µg/g]	0.83	0.76	1.19	1.02
V [µg/g]	69	43	50	39
Y [µg/g]	4.57	6.02	5.66	4.29

**SGS Canada Inc.**

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**Project :** P.O# 770080

**LR Report :** CA14019-FEB22

Analysis	8:	9:	10:	11:
	CALMLM1822	CALMLM1822	CALMLM1822	CALMLM1822
	30	31	32 33	PA1-325-W
	DP1-475-108	DP1-450-114	DP1-325-170	KSC-WA
	KSC-WA	KSC-WA	KSC-WA	
Zn [µg/g]	59	72	78	55

*Catharine Arnold*



**Catharine Arnold, B.Sc., C.Chem**  
 Project Specialist,  
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MEL

Project : P.O# 770080

24-February-2022

**Agnico Eagle Mines Limited**  
Attn : Randy Schwandt/Brett Fairbairn

Date Rec. : 01 February 2022  
LR Report: CA14020-FEB22  
Reference: Meliadine

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## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CALMLM1822 27 DP1-375-160 KSC-WA	6: CALMLM1822 28 PA1-325-W KSC-WA	7: CALMLM1822 29 DP1-475-108 KSC-WA
Sample Date & Time					15-Sep-21	15-Sep-21	15-Sep-21
Sample weight [g]	08-Feb-22	10:40	09-Feb-22	13:32	250	250	250
Volume D.I. Water [mL]	08-Feb-22	10:40	09-Feb-22	13:32	750	750	750
Final pH [no unit]	09-Feb-22	12:44	09-Feb-22	13:32	8.40	9.36	9.13
pH [No unit]	10-Feb-22	14:31	11-Feb-22	12:41	8.43	8.43	8.34
Conductivity [uS/cm]	10-Feb-22	14:31	11-Feb-22	12:41	1980	233	253
Alkalinity [mg/L as CaCO3]	10-Feb-22	14:31	11-Feb-22	12:41	129	49	52
SO4 [mg/L]	15-Feb-22	09:49	15-Feb-22	10:56	3	4	5
Hg [mg/L]	15-Feb-22	12:45	15-Feb-22	14:23	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.108	0.765	0.670
As [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.0146	0.0115	0.0047
Ba [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.0826	0.00452	0.00283
B [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	2.04	0.120	0.070
Be [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	58.6	8.25	10.5
Cd [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	< 0.000003	< 0.000003	0.000003
Co [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.000047	0.000080	0.000095
Cr [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.0002	< 0.0002	< 0.0002
Fe [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	< 0.007	< 0.007	< 0.007
K [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	37.9	11.8	12.1
Li [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.0057	0.0020	0.0012
Mg [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	6.03	1.67	2.66
Mn [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.00518	0.00107	0.00117
Mo [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.00083	0.00050	0.00053

Online LIMS

0002809735

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**Project :** P.O# 770080

**LR Report :** CA14020-FEB22

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CALMLM1822 27 DP1-375-160 KSC-WA	CALMLM1822 28 PA1-325-W KSC-WA	CALMLM1822 29 DP1-475-108 KSC-WA
Na [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	55.0	29.4	29.7
Ni [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.0002	< 0.0001	0.0001
Pb [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.0023	0.0023	0.0055
Se [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.00005	0.00008	0.00008
Si [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	3.29	2.07	1.62
Sn [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.500	0.107	0.0735
Ti [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.00011	0.00014	0.00006
Tl [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.000150	0.000007	< 0.000005
U [mg/L]	15-Feb-22	13:48	15-Feb-22	14:35	0.000057	0.000094	0.000040
W [mg/L]	15-Feb-22	13:48	15-Feb-22	14:34	0.00234	0.00213	0.00170
V [mg/L]	15-Feb-22	13:48	15-Feb-22	14:34	0.00019	0.00218	0.00061
Zn [mg/L]	15-Feb-22	13:48	15-Feb-22	14:34	< 0.002	< 0.002	< 0.002

Analysis	8:	9:	10:	11:
	CALMLM1822 30 DP1-475-108 KSC-WA	CALMLM1822 31 DP1-450-114 KSC-WA	CALMLM1822 32 DP1-325-170 KSC-WA	CALMLM1822 33 PA1-325-W KSC-WA
Sample Date & Time	15-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
Final pH [no unit]	9.20	8.96	9.11	9.39
pH [No unit]	8.53	8.09	8.28	8.48
Conductivity [uS/cm]	251	131	128	118
Alkalinity [mg/L as CaCO3]	55	52	49	48
SO4 [mg/L]	5	4	4	3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.744	0.708	0.895	0.617
As [mg/L]	0.0623	0.0028	0.0064	0.0319
Ba [mg/L]	0.00217	0.00210	0.00272	0.00139
B [mg/L]	0.092	0.021	0.026	0.019
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	9.81	11.9	8.24	6.44
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000070	0.000009	0.000016	0.000023
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	0.009	0.009

Analysis	8: CALMLM1822 30 DP1-475-108 KSC-WA	9: CALMLM1822 31 DP1-450-114 KSC-WA	10: CALMLM1822 32 33 PA1-325-W DP1-325-170 KSC-WA	11: CALMLM1822 KSC-WA
K [mg/L]	16.7	8.02	10.9	7.48
Li [mg/L]	0.0010	0.0008	0.0008	0.0011
Mg [mg/L]	2.35	1.51	0.754	1.27
Mn [mg/L]	0.00083	0.00063	0.00038	0.00093
Mo [mg/L]	0.00262	0.00067	0.00070	0.00094
Na [mg/L]	27.8	9.37	10.9	13.5
Ni [mg/L]	< 0.0001	0.0002	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0033	0.0017	0.0018	0.0026
Se [mg/L]	0.00008	0.00005	0.00006	0.00012
Si [mg/L]	1.62	1.01	1.22	2.81
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0447	0.0860	0.0624	0.0621
Ti [mg/L]	0.00030	0.00009	0.00017	0.00009
Tl [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000061	0.000009	0.000031	0.000221
W [mg/L]	0.00176	0.00039	0.00068	0.00048
V [mg/L]	0.00141	0.00019	0.00035	0.00158
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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

*Catharine Arnold*  
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 Project Specialist,  
 Environment, Health & Safety

**SGS Canada Inc.**

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

08-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 09 August 2021  
**LR Report:** CA14054-AUG21  
**Reference:** P.O# 770080

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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Phone: (819) 759-3555  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC13124 6 DP2-250-170- JSC-WA	CAMLC13125 6 FW2-250-W-K WA-S	CAMLC13125 7 DP2-300-170- KSC-WA
Sample Date & Time					11-Jun-21	12-Jun-21	12-Jun-21
Paste pH [no unit]	26-Aug-21	08:00	30-Aug-21	10:17	9.26	9.06	9.28
Fizz Rate [no unit]	26-Aug-21	08:00	30-Aug-21	10:17	3	2	3
Sample weight [g]	26-Aug-21	08:00	30-Aug-21	10:17	1.99	1.98	2.03
HCl_add [mL]	27-Aug-21	06:07	30-Aug-21	10:17	49.80	31.80	49.10
HCl [Normality]	26-Aug-21	08:00	30-Aug-21	10:17	0.10	0.10	0.10
NaOH [Normality]	26-Aug-21	08:00	30-Aug-21	10:17	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	27-Aug-21	08:07	30-Aug-21	10:17	25.84	13.21	25.74
Final pH [no unit]	27-Aug-21	08:07	30-Aug-21	10:17	1.70	1.96	1.75
NP [t CaCO3/1000 t]	27-Aug-21	08:07	30-Aug-21	10:17	60.2	46.9	57.5
AP [t CaCO3/1000 t]	02-Sep-21	15:21	02-Sep-21	15:21	8.75	2.81	3.12
Net NP [t CaCO3/1000 t]	02-Sep-21	15:21	02-Sep-21	15:21	51.4	44.1	54.4
NP/AP [ratio]	02-Sep-21	15:21	02-Sep-21	15:21	6.88	16.7	18.4
S [%]	31-Aug-21	07:49	02-Sep-21	15:20	0.434	0.214	0.160
Acid Leachable SO4-S [%]	02-Sep-21	15:20	02-Sep-21	15:21	0.15	0.12	0.06
Sulphide [%]	01-Sep-21	15:06	02-Sep-21	15:20	0.28	0.09	0.10
C [%]	31-Aug-21	07:49	02-Sep-21	15:20	0.828	0.669	0.907
CO3 (HCl) [%]	02-Sep-21	12:53	02-Sep-21	15:20	4.10	3.33	4.50

Analysis	8:	9:	10:	11:	12:
	CAMLC13125 8 DP1-400-170- KSC-WA	CAMLC13127 6 DP2-300-170- KSC-WA	CAMLC13127 7 DP1-375-114- MV	CAMLC13129 1 FW2-250-W-K WA-S	CAMLC13129 2 FW2-250-W-K WA-S
Sample Date & Time	12-Jun-21	15-Jun-21	15-Jun-21	19-Jun-21	19-Jun-21
Paste pH [no unit]	9.20	9.70	8.94	9.26	9.22
Fizz Rate [no unit]	4	3	4	2	2

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Analysis	8: CAMLC13125 8 DP1-400-170- KSC-wA	9: CAMLC13127 6 DP2-300-170- KSC-WA	10: CAMLC13127 7 DP1-375-114- MV	11: CAMLC13129 1 FW2-250-W-K WA-S	12: CAMLC13129 2 FW2-250-W-K WA-S
Sample weight [g]	1.99	2.01	2.03	2.00	2.01
HCl_add [mL]	157.10	50.10	100.00	32.40	31.80
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]	59.60	27.81	26.69	15.32	16.52
Final pH [no unit]	1.67	1.57	1.83	1.75	1.69
NP [t CaCO3/1000 t]	245	55.5	181	42.7	38.0
AP [t CaCO3/1000 t]	11.9	1.25	3.12	3.44	3.44
Net NP [t CaCO3/1000 t]	233	54.2	177	39.3	34.6
NP/AP [ratio]	20.6	44.4	57.8	12.4	11.1
S [%]	0.429	0.024	0.107	0.177	0.185
Acid Leachable SO4-S [%]	0.05	< 0.04	< 0.04	0.07	0.08
Sulphide [%]	0.38	< 0.04	0.10	0.11	0.11
C [%]	3.52	0.843	2.19	0.601	0.526
CO3 (HCl) [%]	17.5	4.16	10.9	2.97	2.59

\*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

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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: CAMLC13124 6 DP2-250-170- JSC-WA	6: CAMLC13125 6 FW2-250-W-K WA-S	7: CAMLC13125 7 DP2-300-170- KSC-wA
Sample Date & Time					11-Jun-21	12-Jun-21	12-Jun-21
Sample weight [g]	25-Aug-21	13:00	26-Aug-21	15:06	250	250	250
Volume D.I. Water [mL]	25-Aug-21	13:00	26-Aug-21	15:06	750	750	750
Final pH [no unit]	26-Aug-21	13:30	26-Aug-21	15:06	9.02	9.34	8.88
Hg [mg/L]	27-Aug-21	12:11	27-Aug-21	15:08	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.466	0.524	0.305
As [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.0108	0.0874	0.0037
Ba [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.00347	0.00225	0.00284
B [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.108	0.023	0.105
Be [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	8.19	6.57	10.5
Cd [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.000106	0.000098	0.000155
Cr [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.007	0.010	< 0.007
K [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	12.9	10.1	5.50
Li [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.0010	0.0005	0.0010
Mg [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	1.39	1.66	2.35
Mn [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.00071	0.00058	0.00143
Mo [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.00033	0.00087	0.00021
Na [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	21.6	16.1	21.8
Ni [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.0001	0.0002	< 0.0001
Pb [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.0013	0.0029	0.0015

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Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC13124 6 DP2-250-170- JSC-WA	CAMLC13125 6 FW2-250-W-K WA-S	CAMLC13125 7 DP2-300-170- KSC-wa
Se [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.00004	0.00012	0.00005
Sn [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.0845	0.0385	0.0904
Ti [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.00011	0.00067	0.00015
Tl [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.000005	0.000006	< 0.000005
U [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.000014	0.000102	0.000023
V [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.00023	0.00348	0.00016
W [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	0.00106	0.00060	0.00126
Y [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	01-Sep-21	09:13	02-Sep-21	16:18	< 0.002	< 0.002	< 0.002

Analysis	8:	9:	10:	11:	12:
	CAMLC13125 8 DP1-400-170- KSC-wa	CAMLC13127 6 DP2-300-170- KSC-WA	CAMLC13127 7 DP1-375-114- MV	CAMLC13129 1 FW2-250-W-K WA-S	CAMLC13129 2 FW2-250-W-K WA-S
Sample Date & Time	12-Jun-21	15-Jun-21	15-Jun-21	19-Jun-21	19-Jun-21
Sample weight [g]	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750
Final pH [no unit]	8.68	9.04	9.32	9.10	9.13
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.404	0.388	0.531	0.289	0.389
As [mg/L]	0.544	0.0053	0.0010	0.0332	0.0356
Ba [mg/L]	0.00107	0.00347	0.00750	0.00844	0.00584
B [mg/L]	0.250	0.064	0.160	0.288	0.255
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	12.7	7.78	5.85	11.7	12.2
Cd [mg/L]	0.000004	0.000003	0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000272	0.000141	0.000108	0.000595	0.000442
Cr [mg/L]	0.00011	< 0.00008	< 0.00008	0.00009	< 0.00008
Cu [mg/L]	< 0.0002	0.0005	< 0.0002	< 0.0002	0.0006
Fe [mg/L]	< 0.007	0.060	< 0.007	< 0.007	0.008
K [mg/L]	10.3	7.20	0.292	12.4	15.6
Li [mg/L]	0.0042	0.0008	0.0002	0.0011	0.0009
Mg [mg/L]	6.85	1.46	0.803	3.27	3.36
Mn [mg/L]	0.00713	0.00128	0.00035	0.00135	0.00091
Mo [mg/L]	0.00031	0.00518	0.00039	0.00072	0.00042
Na [mg/L]	32.1	15.2	15.4	27.1	24.0
Ni [mg/L]	0.0014	< 0.0001	0.0001	0.0004	0.0007
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00010

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Analysis	8:	9:	10:	11:	12:
	CAMLC13125	CAMLC13127	CAMLC13127	CAMLC13129	CAMLC13129
	8	6	7	1	2
	DP1-400-170- KSC-wA	DP2-300-170- KSC-WA	DP1-375-114- MV	FW2-250-W-K WA-S	FW2-250-W-K WA-S
Sb [mg/L]	0.0035	0.0013	< 0.0009	0.0047	0.0053
Se [mg/L]	0.00022	< 0.00004	< 0.00004	0.00013	0.00009
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0541	0.0809	0.0601	0.119	0.0909
Ti [mg/L]	0.00028	0.00038	0.00010	0.00018	0.00039
Tl [mg/L]	< 0.000005	0.000005	< 0.000005	0.000017	0.000016
U [mg/L]	0.000002	0.000040	0.000006	0.000074	0.000053
V [mg/L]	0.00142	0.00021	0.00137	0.00161	0.00166
W [mg/L]	0.00205	0.00094	0.00336	0.00534	0.00389
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 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

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	CAMLC13124 6 DP2-250-170-JSC-WA	CAMLC13125 6 FW2-250-W-K WA-S	CAMLC13125 7 DP2-300-170-KSC-wA
Sample Date & Time					11-Jun-21	12-Jun-21	12-Jun-21
Ag [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	0.5	< 0.5	< 0.5
Al [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	60000	21000	24000
As [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	45	40	17
Ba [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	490	200	140
Be [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	1.0	0.33	0.31
Bi [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	1	0.16	0.10
Ca [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	23000	14000	19000
Cd [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	0.06	0.08	0.04
Co [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	13	21	8
Cr [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	25	50	18
Cu [µg/g]	31-Aug-21	21:24	01-Sep-21	13:38	54	47	19
Fe [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	84000	37000	100000
K [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	18000	5500	3600
Li [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	31	18	22
Mg [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	9800	13000	9000
Mn [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	360	330	300
Mo [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	1.7	1.4	0.9
Na [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	14000	850	1100
Ni [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	24	62	18
P [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	670	460	440
Pb [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	60	5.8	4.9
Sb [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	< 0.8	< 0.8	< 0.8
Se [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	< 0.7	< 0.7	< 0.7
Sn [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	< 6	< 6	< 6
Sr [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	300	96	140
Ti [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	2000	370	490

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	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	CAMLC13124 6 DP2-250-170-JSC-WA	CAMLC13125 6 FW2-250-W-K WA-S	CAMLC13125 7 DP2-300-170-KSC-wA
Tl [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	0.33	0.14	0.11
U [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	1.1	1.1	0.59
V [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	44	31	34
Y [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	6.7	6.9	3.3
Zn [µg/g]	31-Aug-21	21:24	01-Sep-21	13:39	61	73	55

Analysis	8:	9:	10:	11:	12:
	CAMLC13125 8 DP1-400-170-KSC-wA	CAMLC13127 6 DP2-300-170-KSC-WA	CAMLC13127 7 DP1-375-114-MV	CAMLC13129 1 FW2-250-W-K WA-S	CAMLC13129 2 FW2-250-W-K WA-S
Sample Date & Time	12-Jun-21	15-Jun-21	15-Jun-21	19-Jun-21	19-Jun-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	69000	58000	67000	68000	67000
As [µg/g]	6500	43	17	85	64
Ba [µg/g]	100	580	6	810	710
Be [µg/g]	0.89	1.2	0.28	1.3	1.2
Bi [µg/g]	0.24	0.12	< 0.09	0.16	0.20
Ca [µg/g]	87000	19000	82000	13000	11000
Cd [µg/g]	0.14	0.08	0.10	0.10	0.09
Co [µg/g]	43	6	52	19	23
Cr [µg/g]	160	15	190	110	130
Cu [µg/g]	87	11	110	40	45
Fe [µg/g]	69000	51000	80000	39000	43000
K [µg/g]	18000	16000	230	18000	19000
Li [µg/g]	44	17	52	22	26
Mg [µg/g]	21000	5800	38000	13000	14000
Mn [µg/g]	2100	250	1600	340	300
Mo [µg/g]	0.4	1.5	0.2	1.6	1.4
Na [µg/g]	13000	29000	22000	28000	28000
Ni [µg/g]	120	9.5	130	59	68
P [µg/g]	310	340	220	410	490
Pb [µg/g]	7.1	7.8	1.8	11	12
Sb [µg/g]	2.4	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	120	350	92	380	300
Ti [µg/g]	1100	1800	3600	3000	3400
Tl [µg/g]	0.54	0.30	< 0.02	0.42	0.39
U [µg/g]	0.072	0.45	0.047	1.4	1.3
V [µg/g]	220	28	240	84	95
Y [µg/g]	11	2.2	15	5.4	4.5

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LR Report : CA14056-AUG21

Analysis	8:	9:	10:	11:	12:
	CAMLC13125	CAMLC13127	CAMLC13127	CAMLC13129	CAMLC13129
	8	6	7	1	2
	DP1-400-170- KSC-wA	DP2-300-170- KSC-WA	DP1-375-114- MV	FW2-250-W-K WA-S	FW2-250-W-K WA-S
Zn [µg/g]	93	40	82	71	79

Chromium may not recover completely depending on sample matrix.

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



mel

**SGS Canada Inc.**

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

08-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 09 August 2021  
**LR Report:** CA14061-AUG21  
**Reference:** P.O# 770080

Meliadine  
, Nunavut  
X0C 0A0, Canada

**Copy:** #1

Phone: (819) 759-3555  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC12805 1-DP1-275-16 8-KSC-WA	CAMLC12805 8-DP1-425-12 1-KSC-WA	CAMLC12805 9-DP2-300-17 1-KSC-WA
Sample Date & Time					14-May-21	14-May-21	15-May-21
Paste pH [no unit]	27-Aug-21	08:00	30-Aug-21	10:18	9.37	9.46	8.86
Fizz Rate [no unit]	27-Aug-21	08:00	30-Aug-21	10:18	3	3	3
Sample weight [g]	27-Aug-21	08:00	30-Aug-21	10:18	2.03	2.00	2.01
HCl_add [mL]	28-Aug-21	06:00	30-Aug-21	10:18	46.50	39.60	62.50
HCl [Normality]	27-Aug-21	08:00	30-Aug-21	10:18	0.10	0.10	0.10
NaOH [Normality]	27-Aug-21	08:00	30-Aug-21	10:18	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28-Aug-21	08:05	30-Aug-21	10:18	19.56	19.27	29.83
Final pH [no unit]	28-Aug-21	08:05	30-Aug-21	10:18	1.88	1.68	1.63
NP [t CaCO3/1000 t]	28-Aug-21	08:05	30-Aug-21	10:18	66.3	50.8	81.3
AP [t CaCO3/1000 t]	02-Sep-21	15:21	02-Sep-21	15:21	1.88	2.19	4.38
Net NP [t CaCO3/1000 t]	02-Sep-21	15:21	02-Sep-21	15:21	64.4	48.6	76.9
NP/AP [ratio]	02-Sep-21	15:21	02-Sep-21	15:21	35.4	23.2	18.6
S [%]	31-Aug-21	07:49	02-Sep-21	15:21	0.119	0.171	0.238
Acid Leachable SO4-S [%]	02-Sep-21	15:21	02-Sep-21	15:21	0.06	0.10	0.10
Sulphide [%]	01-Sep-21	15:06	02-Sep-21	15:21	0.06	0.07	0.14
C [%]	31-Aug-21	07:49	02-Sep-21	15:21	0.964	0.715	1.21
CO3 (HCl) [%]	02-Sep-21	12:53	02-Sep-21	15:21	4.78	3.52	6.00

Analysis	8:	9:	10:	11:	12:
	CAMLC12806 0-CC-375-119- KSC-WA	CAMLC12806 1-DP1-350-16 1-KWA-S	CAMLC12806 1-LW1-300-14 6-1000-Ks	CAMLC12807 6-DP1-425-12 9-Mv	CAMLC12807 7-DP1-425-12 9-Mv
Sample Date & Time	15-May-21	15-May-21	15-May-21	16-May-21	16-May-21
Paste pH [no unit]	8.35	8.88	8.97	8.52	8.52
Fizz Rate [no unit]	3	3	2	3	3

Online LIMS

0002632012

**SGS Canada Inc.**

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

LR Report : CA14061-AUG21

Analysis	8: CAMLC12806 0-CC-375-119- KSC-WA	9: CAMLC12806 1-DP1-350-16 1-KWA-S	10: CAMLC12806 1-LW1-300-14 6-1000-Ks	11: CAMLC12807 6-DP1-425-12 9-Mv	12: CAMLC12807 7-DP1-425-12 9-Mv
Sample weight [g]	2.03	1.99	2.00	2.02	2.02
HCl_add [mL]	63.00	60.70	29.80	149.50	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]	24.88	33.37	15.53	52.83	37.78
Final pH [no unit]	1.81	1.55	1.92	1.62	1.76
NP [t CaCO3/1000 t]	93.9	68.7	35.7	239	204
AP [t CaCO3/1000 t]	2.81	13.1	5.31	9.69	6.56
Net NP [t CaCO3/1000 t]	91.1	55.6	30.4	230	197
NP/AP [ratio]	33.4	5.23	6.72	24.7	31.0
S [%]	0.120	0.678	0.253	0.323	0.242
Acid Leachable SO4-S [%]	< 0.04	0.26	0.08	< 0.04	< 0.04
Sulphide [%]	0.09	0.42	0.17	0.31	0.21
C [%]	1.19	0.985	0.490	2.99	2.63
CO3 (HCl) [%]	5.91	4.90	2.42	14.9	13.1

\*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 <0.02 will be calculated using a 0.02 value.

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



mel

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08-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 09 August 2021  
**LR Report:** CA14062-AUG21  
**Reference:** P.O# 770080

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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 Fax:(819) 759-3663

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC12805 1-DP1-275-16 8-KSC-WA	CAMLC12805 8-DP1-425-12 1-KSC-WA	CAMLC12805 9-DP2-300-17 1-KSC-WA
Sample Date & Time					14-May-21	14-May-21	15-May-21
Sample weight [g]	25-Aug-21	13:00	26-Aug-21	15:06	250	250	250
Volume D.I. Water [mL]	25-Aug-21	13:00	26-Aug-21	15:06	750	750	750
Final pH [no unit]	26-Aug-21	13:30	26-Aug-21	15:06	9.13	9.07	8.69
Hg [mg/L]	27-Aug-21	12:11	27-Aug-21	15:08	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.505	0.510	0.274
As [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.133	0.165	0.0751
Ba [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.00321	0.00290	0.00537
B [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.065	0.038	0.130
Be [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	9.81	8.95	17.7
Cd [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	< 0.000003	< 0.000003	0.000005
Co [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.000121	0.000041	0.000164
Cr [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	< 0.00008	0.00010	< 0.00008
Cu [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.0004	0.0005	0.0003
Fe [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.014	0.013	0.008
K [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	12.7	12.6	11.1
Li [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.0018	0.0010	0.0013
Mg [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	2.61	2.09	5.60
Mn [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.00124	0.00128	0.00297
Mo [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.00027	0.00039	0.00054
Na [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	35.8	24.2	40.9
Ni [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.0004	0.0003	0.0004
Pb [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.0021	0.0025	0.0023

OnLine LIMS

0002632019

**SGS Canada Inc.**

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

LR Report : CA14062-AUG21

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC12805 1-DP1-275-16 8-KSC-WA	CAMLC12805 8-DP1-425-12 1-KSC-WA	CAMLC12805 9-DP2-300-17 1-KSC-WA
Se [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.00006	0.00013	0.00010
Sn [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.0879	0.113	0.162
Ti [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.00046	0.00032	0.00018
Tl [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.000005	0.000006	< 0.000005
U [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.000075	0.000042	0.000050
V [mg/L]	01-Sep-21	09:13	02-Sep-21	16:19	0.00144	0.00093	0.00018
W [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	0.00353	0.00087	0.00161
Y [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	< 0.00002	0.00002	< 0.00002
Zn [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	< 0.002	< 0.002	< 0.002

Analysis	8:	9:	10:	11:	12:
	CAMLC12806 0-CC-375-119- KSC-WA	CAMLC12806 1-DP1-350-16 1-KWA-S	CAMLC12806 1-LW1-300-14 6-1000-Ks	CAMLC12807 6-DP1-425-12 9-Mv	CAMLC12807 7-DP1-425-12 9-Mv
Sample Date & Time	15-May-21	15-May-21	15-May-21	16-May-21	16-May-21
Sample weight [g]	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750
Final pH [no unit]	8.57	8.67	8.92	8.76	8.70
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.364	0.365	0.616	0.382	0.305
As [mg/L]	0.0121	0.710	0.0189	0.0012	0.0018
Ba [mg/L]	0.0175	0.00616	0.00599	0.00234	0.00254
B [mg/L]	0.128	0.141	0.046	0.216	0.322
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	25.2	16.4	12.7	16.4	21.1
Cd [mg/L]	0.000003	0.000004	< 0.000003	0.000003	0.000003
Co [mg/L]	0.000081	0.000073	0.000089	0.000052	0.000085
Cr [mg/L]	< 0.00008	< 0.00008	0.00010	< 0.00008	0.00018
Cu [mg/L]	< 0.0002	0.0003	0.0002	< 0.0002	0.0005
Fe [mg/L]	< 0.007	0.038	0.018	0.009	0.134
K [mg/L]	6.51	18.1	16.0	8.66	10.3
Li [mg/L]	0.0007	0.0018	0.0006	0.0010	0.0014
Mg [mg/L]	3.48	3.73	2.98	4.54	7.32
Mn [mg/L]	0.00166	0.00264	0.00065	0.00272	0.00513
Mo [mg/L]	0.00122	0.00089	0.00157	0.00037	0.00052
Na [mg/L]	79.2	35.9	43.6	51.1	75.1
Ni [mg/L]	0.0003	0.0003	0.0003	0.0002	0.0004
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009

**SGS Canada Inc.**

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

LR Report : CA14062-AUG21

Analysis	8: CAMLC12806 0-CC-375-119- KSC-WA	9: CAMLC12806 1-DP1-350-16 1-KWA-S	10: CAMLC12806 1-LW1-300-14 6-1000-Ks	11: CAMLC12807 6-DP1-425-12 9-Mv	12: CAMLC12807 7-DP1-425-12 9-Mv
Sb [mg/L]	< 0.0009	0.0023	0.0010	< 0.0009	0.0011
Se [mg/L]	0.00007	0.00006	0.00019	0.00010	0.00016
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.473	0.125	0.0924	0.116	0.157
Ti [mg/L]	0.00015	0.00025	0.00028	0.00063	0.00016
Tl [mg/L]	0.000008	< 0.000005	0.000021	0.000025	0.000035
U [mg/L]	0.000006	0.000061	0.000039	0.000003	0.000006
V [mg/L]	0.00009	0.00039	0.00066	0.00042	0.00039
W [mg/L]	0.00072	0.00392	0.00122	0.00132	0.00121
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.004	< 0.002

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

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

**SGS Canada Inc.**

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

08-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 09 August 2021  
**LR Report:** CA14063-AUG21  
**Reference:** PO# 770080

 Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	CAMLC12805 1-DP1-275-16 8-KSC-WA	CAMLC12805 8-DP1-425-12 1-KSC-WA	CAMLC12805 9-DP2-300-17 1-KSC-WA
Sample Date & Time					14-May-21	14-May-21	15-May-21
Ag [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	< 0.5	< 0.5	< 0.5
Al [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	58000	25000	77000
As [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	210	390	900
Ba [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	340	190	450
Be [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	0.79	0.37	0.98
Bi [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	< 0.09	0.18	< 0.09
Ca [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	25000	19000	32000
Cd [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	0.08	0.05	0.13
Co [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	11	9	9
Cr [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	19	13	20
Cu [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	19	24	27
Fe [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	40000	42000	52000
K [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	14000	7300	15000
Li [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	16	15	14
Mg [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	8100	7700	8000
Mn [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	320	290	310
Mo [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	0.7	0.8	0.6
Na [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	24000	1100	33000
Ni [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	23	19	18
P [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	450	380	450
Pb [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	7.0	5.9	8.3
Sb [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	< 0.8	< 0.8	< 0.8
Se [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	< 0.7	< 0.7	< 0.7
Sn [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	< 6	< 6	< 6
Sr [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	300	110	330
Ti [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	1100	270	2000

**SGS Canada Inc.**

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 Lakefield - Ontario - KOL 2H0  
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LR Report : CA14063-AUG21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC12805 CAMLC12805 1-DP1-275-16 8-KSC-WA	6: CAMLC12805 CAMLC12805 8-DP1-425-12 1-KSC-WA	7: CAMLC12805 CAMLC12805 9-DP2-300-17 1-KSC-WA
Tl [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	0.28	0.12	0.29
U [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	0.84	0.65	0.92
V [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	39	21	37
Y [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	5.5	4.5	6.0
Zn [µg/g]	30-Aug-21	18:53	01-Sep-21	15:30	49	53	52

Analysis	8: CAMLC12806 CAMLC12806 0-CC-375-119- KSC-WA	9: CAMLC12806 CAMLC12806 1-DP1-350-16 1-KWA-S	10: CAMLC12806 CAMLC12806 1-LW1-300-14 6-1000-Ks	11: CAMLC12807 CAMLC12807 6-DP1-425-12 9-Mv	12: CAMLC12807 CAMLC12807 7-DP1-425-12 9-Mv
Sample Date & Time	15-May-21	15-May-21	15-May-21	16-May-21	16-May-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	69000	100000	110000	66000	79000
As [µg/g]	120	5000	56	29	16
Ba [µg/g]	140	730	600	130	170
Be [µg/g]	0.49	1	1	0.47	0.55
Bi [µg/g]	< 0.09	0.16	0.28	< 0.09	< 0.09
Ca [µg/g]	44000	29000	15000	90000	86000
Cd [µg/g]	0.08	0.11	0.07	0.13	0.10
Co [µg/g]	21	13	21	46	45
Cr [µg/g]	69	47	140	93	180
Cu [µg/g]	39	37	40	72	93
Fe [µg/g]	140000	77000	76000	76000	86000
K [µg/g]	3300	26000	20000	6600	8200
Li [µg/g]	36	23	29	56	52
Mg [µg/g]	17000	9600	18000	27000	29000
Mn [µg/g]	640	350	360	1700	1600
Mo [µg/g]	0.6	1.0	1.6	0.3	0.3
Na [µg/g]	14000	25000	24000	16000	21000
Ni [µg/g]	46	27	69	110	120
P [µg/g]	610	680	700	260	280
Pb [µg/g]	5.9	14	7.0	4.4	4.9
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	200	290	190	150	140
Ti [µg/g]	2300	2600	3000	1500	3100
Tl [µg/g]	0.06	0.44	0.44	0.26	0.27
U [µg/g]	0.68	2.0	1.8	0.048	0.15
V [µg/g]	100	66	110	220	240
Y [µg/g]	8.0	13	14	11	8.7

**SGS Canada Inc.**

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

LR Report : CA14063-AUG21

Analysis	8:	9:	10:	11:	12:
	CAMLC12806	CAMLC12806	CAMLC12806	CAMLC12807	CAMLC12807
	0-CC-375-119-	1-DP1-350-16	1-LW1-300-14	6-DP1-425-12	7-DP1-425-12
	KSC-WA	1-KWA-S	6-1000-Ks	9-Mv	9-Mv
Zn [µg/g]	80	57	89	97	100

Chromium may not recover completely depending on sample matrix.

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

**SGS Canada Inc.**

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08-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 09 August 2021  
**LR Report:** CA14064-AUG21  
**Reference:** P.O# 770080

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

**Copy:** #1

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC13041 CC1-450-110- KSC-WA	CAMLC13042 DP1-325-169- KS	CAMLC13043 DP1-325-171- KMS
Sample Date & Time					16-Jul-2021	17-Jul-2021	17-Jul-2021
Paste pH [no unit]	27-Aug-21	08:00	30-Aug-21	10:19	9.28	8.82	9.03
Fizz Rate [no unit]	27-Aug-21	08:00	30-Aug-21	10:19	3	2	1
Sample weight [g]	27-Aug-21	08:00	30-Aug-21	10:19	2.02	2.01	2.00
HCl_add [mL]	28-Aug-21	06:00	30-Aug-21	10:19	50.90	44.80	29.40
HCl [Normality]	27-Aug-21	08:00	30-Aug-21	10:19	0.10	0.10	0.10
NaOH [Normality]	27-Aug-21	08:00	30-Aug-21	10:19	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28-Aug-21	08:05	30-Aug-21	10:19	20.70	20.25	19.24
Final pH [no unit]	28-Aug-21	08:05	30-Aug-21	10:19	1.73	1.86	1.55
NP [t CaCO3/1000 t]	28-Aug-21	08:05	30-Aug-21	10:19	74.8	61.1	25.4
AP [t CaCO3/1000 t]	02-Sep-21	15:22	02-Sep-21	15:22	1.25	6.88	3.12
Net NP [t CaCO3/1000 t]	02-Sep-21	15:22	02-Sep-21	15:22	73.6	54.2	22.3
NP/AP [ratio]	02-Sep-21	15:22	02-Sep-21	15:22	59.8	8.89	8.13
S [%]	31-Aug-21	07:49	02-Sep-21	15:22	0.035	0.274	0.140
Acid Leachable SO4-S [%]	02-Sep-21	15:22	02-Sep-21	15:22	<0.04	0.05	0.04
Sulphide [%]	01-Sep-21	15:06	02-Sep-21	15:22	< 0.04	0.22	0.10
C [%]	31-Aug-21	07:49	31-Aug-21	15:26	0.992	0.937	0.401
CO3 (pyro) [%]	31-Aug-21	12:05	31-Aug-21	15:26	4.04	3.17	1.33
	20-Aug-21	---	20-Aug-21	---	1	1	1

Analysis	8:	9:	10:	11:
	CAMLC13044 RP2-425-450- KSC-WA	CAMLC13045 RP2-425-450- KSC-WA	CAMLC13046 LW1-200-172- 1000 KMG	CAMLC13047 DP1-325-169- KS
Sample Date & Time	18-Jul-2021	18-Jul-2021	18-Jul-2021	19-Jul-2021

**SGS Canada Inc.**

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LR Report : CA14064-AUG21

Analysis	8: CAMLC13044 RP2-425-450- KSC-WA	9: CAMLC13045 RP2-425-450- KSC-WA	10: CAMLC13046 LW1-200-172- 1000 KMG	11: CAMLC13047 DP1-325-169- KS
Paste pH [no unit]	9.40	8.91	8.39	8.80
Fizz Rate [no unit]	2	3	3	2
Sample weight [g]	2.04	2.01	2.01	1.98
HCl_add [mL]	64.50	44.80	70.10	37.60
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28.31	18.80	24.19	23.69
Final pH [no unit]	1.68	1.86	1.84	1.55
NP [t CaCO3/1000 t]	88.7	64.7	114	35.1
AP [t CaCO3/1000 t]	8.75	5.62	99.7	5.31
Net NP [t CaCO3/1000 t]	80.0	59.1	14.5	29.8
NP/AP [ratio]	10.1	11.5	1.15	6.61
S [%]	0.382	0.222	3.84	0.211
Acid Leachable SO4-S [%]	0.10	0.04	0.65	0.04
Sulphide [%]	0.28	0.18	3.19	0.17
C [%]	1.25	0.886	2.53	0.498
CO3 (pyro) [%]	4.29	3.07	6.12	1.62
	1	1	1	1

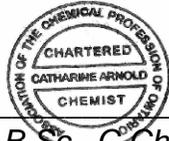
\*NP (Neutralization Potential)  
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)  
 -----  
 Weight of Sample

\*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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10-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 09 August 2021  
**LR Report:** CA14065-AUG21  
**Reference:** P.O# 770080

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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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: CAMLC13041 CC1-450-110- KSC-WA	6: CAMLC13042 DP1-325-169- KS	7: CAMLC13043 DP1-325-171- KMS
Sample Date & Time					16-Jul-2021	17-Jul-2021	17-Jul-2021
Sample weight [g]	25-Aug-21	13:00	26-Aug-21	15:07	250	250	250
Volume D.I. Water [mL]	25-Aug-21	13:00	26-Aug-21	15:07	750	750	750
Final pH [no unit]	26-Aug-21	13:30	26-Aug-21	15:07	9.00	8.89	8.97
Hg [mg/L]	27-Aug-21	12:11	27-Aug-21	15:08	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	0.472	0.422	0.471
As [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	0.0046	0.0304	0.0196
Ba [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	0.00606	0.00330	0.00255
B [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	0.067	0.074	0.030
Be [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	10.7	16.1	12.8
Cd [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	0.000102	0.000055	0.000034
Cr [mg/L]	01-Sep-21	09:13	02-Sep-21	16:20	0.00014	< 0.00008	0.00011
Cu [mg/L]	01-Sep-21	09:13	09-Sep-21	16:25	0.0003	0.0003	0.0002
Fe [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.011	< 0.007	< 0.007
K [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	14.8	16.4	14.7
Li [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.0019	0.0006	0.0004
Mg [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	2.45	4.98	3.38
Mn [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.00173	0.00113	0.00065
Mo [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.00056	0.00240	0.00110
Na [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	38.7	52.1	44.2
Ni [mg/L]	01-Sep-21	09:13	09-Sep-21	16:25	0.0003	0.0005	0.0003
Pb [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.00062	< 0.00009	< 0.00009

**SGS Canada Inc.**

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LR Report : CA14065-AUG21

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC13041 CC1-450-110-KSC-WA	CAMLC13042 DP1-325-169-KS	CAMLC13043 DP1-325-171-KMS
Sb [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.0018	0.0019	0.0023
Se [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.00006	0.00011	0.00010
Sn [mg/L]	01-Sep-21	09:13	09-Sep-21	16:25	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.171	0.0933	0.0705
Ti [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.00035	0.00016	0.00043
Tl [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.000012	0.000008	0.000013
U [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.000046	0.000017	0.000025
V [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.00047	0.00058	0.00067
W [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	0.00185	0.00133	0.00103
Y [mg/L]	01-Sep-21	09:13	02-Sep-21	16:21	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	01-Sep-21	09:13	09-Sep-21	16:25	< 0.002	< 0.002	< 0.002

Analysis	8:	9:	10:	11:
	CAMLC13044 RP2-425-450-KSC-WA	CAMLC13045 RP2-425-450-KSC-WA	CAMLC13046 LW1-200-172-1000 KMG	CAMLC13047 DP1-325-169-KS
Sample Date & Time	18-Jul-2021	18-Jul-2021	18-Jul-2021	19-Jul-2021
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
Final pH [no unit]	9.08	8.79	8.20	8.90
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.440	0.286	0.128	0.407
As [mg/L]	0.0039	0.0033	0.0912	0.0181
Ba [mg/L]	0.01186	0.00435	0.00607	0.00289
B [mg/L]	0.041	0.029	0.082	0.054
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	11.0	13.7	33.5	14.1
Cd [mg/L]	< 0.000003	< 0.000003	0.000010	< 0.000003
Co [mg/L]	0.000052	0.000033	0.000163	0.000042
Cr [mg/L]	< 0.00008	0.00034	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0008	0.0004	0.0002
Fe [mg/L]	0.015	0.288	< 0.007	0.008
K [mg/L]	16.6	9.85	18.7	13.6
Li [mg/L]	0.0037	0.0010	0.0026	0.0005
Mg [mg/L]	3.63	3.30	10.9	3.14
Mn [mg/L]	0.00189	0.00340	0.0153	0.00098
Mo [mg/L]	0.00090	0.00037	0.00307	0.00093

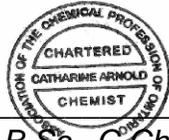
**SGS Canada Inc.**

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

LR Report : CA14065-AUG21

Analysis	8: CAMLC13044 RP2-425-450- KSC-WA	9: CAMLC13045 RP2-425-450- KSC-WA	10: CAMLC13046 LW1-200-172- 1000 KMG	11: CAMLC13047 DP1-325-169- KS
Na [mg/L]	37.6	20.7	62.9	33.6
Ni [mg/L]	0.0003	0.0004	0.0013	0.0004
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0018	0.0010	0.0035	0.0015
Se [mg/L]	0.00010	< 0.00004	0.00181	0.00010
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.211	0.246	0.191	0.0730
Ti [mg/L]	0.00058	0.00012	0.00009	0.00029
Tl [mg/L]	< 0.000005	< 0.000005	0.000011	0.000008
U [mg/L]	0.000069	0.000029	0.000461	0.000010
V [mg/L]	0.00082	0.00009	0.00027	0.00035
W [mg/L]	0.00278	0.00069	0.00098	0.00094
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.006	< 0.002

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

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

**SGS Canada Inc.**

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08-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 09 August 2021  
**LR Report:** CA14066-AUG21  
**Reference:** P.O# 770080

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 X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC13041 CC1-450-110- KSC-WA	6: CAMLC13042 DP1-325-169- KS	7: CAMLC13043 DP1-325-171- KMS
Sample Date & Time					16-Jul-2021	17-Jul-2021	17-Jul-2021
Ag [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	< 0.5	< 0.5	< 0.5
Al [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	17000	28000	33000
As [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	8.4	110	46
Ba [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	160	95	120
Be [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	0.29	0.31	0.32
Bi [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	< 0.09	< 0.09	0.12
Ca [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	28000	17000	7800
Cd [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	0.08	0.07	0.05
Co [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	8	25	24
Cr [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	9.7	50	61
Cu [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	7.9	27	38
Fe [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	38000	61000	55000
K [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	5000	4000	5200
Li [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	15	27	30
Mg [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	5400	15000	15000
Mn [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	350	540	300
Mo [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	0.5	1.2	1.4
Na [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	880	650	600
Ni [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	14	76	85
P [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	320	500	530
Pb [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	5	3	4
Sb [µg/g]	31-Aug-21	20:30	01-Sep-21	15:32	< 0.8	< 0.8	< 0.8
Se [µg/g]	31-Aug-21	20:30	01-Sep-21	15:34	< 0.7	< 0.7	< 0.7
Sn [µg/g]	31-Aug-21	20:30	01-Sep-21	15:34	< 6	< 6	< 6
Sr [µg/g]	31-Aug-21	20:30	01-Sep-21	15:34	190	62	45

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
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LR Report : CA14066-AUG21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC13041 CC1-450-110- KSC-WA	6: CAMLC13042 DP1-325-169- KS	7: CAMLC13043 DP1-325-171- KMS
Ti [µg/g]	31-Aug-21	20:30	01-Sep-21	15:34	280	350	420
Tl [µg/g]	31-Aug-21	20:30	01-Sep-21	15:34	0.13	0.11	0.13
U [µg/g]	31-Aug-21	20:30	01-Sep-21	15:34	0.45	0.92	0.70
V [µg/g]	31-Aug-21	20:30	01-Sep-21	15:34	15	52	49
Y [µg/g]	31-Aug-21	20:30	01-Sep-21	15:34	4.5	5.3	4.1
Zn [µg/g]	31-Aug-21	20:30	01-Sep-21	15:34	33	200	140

Analysis	8: CAMLC13044 RP2-425-450- KSC-WA	9: CAMLC13045 RP2-425-450- KSC-WA	10: CAMLC13046 LW1-200-172- 1000 KMG	11: CAMLC13047 DP1-325-169- KS
Sample Date & Time	18-Jul-2021	18-Jul-2021	18-Jul-2021	19-Jul-2021
Ag [µg/g]	< 0.5	< 0.5	0.6	< 0.5
Al [µg/g]	68000	49000	62000	71000
As [µg/g]	9.2	10	5700	270
Ba [µg/g]	670	490	410	430
Be [µg/g]	1.2	1.2	1.1	1.1
Bi [µg/g]	0.19	0.10	2.1	0.34
Ca [µg/g]	28000	23000	34000	9400
Cd [µg/g]	0.12	0.07	1.8	0.08
Co [µg/g]	12	8	29	23
Cr [µg/g]	21	31	110	140
Cu [µg/g]	21	13	210	46
Fe [µg/g]	46000	170000	65000	92000
K [µg/g]	22000	13000	21000	18000
Li [µg/g]	24	25	15	35
Mg [µg/g]	8500	9700	13000	17000
Mn [µg/g]	410	330	720	440
Mo [µg/g]	0.9	1.0	3.1	1.4
Na [µg/g]	31000	7300	14000	15000
Ni [µg/g]	17	20	63	78
P [µg/g]	880	1100	600	680
Pb [µg/g]	8	5	98	8
Sb [µg/g]	< 0.8	< 0.8	2.1	< 0.8
Se [µg/g]	< 0.7	< 0.7	1.8	< 0.7
Sn [µg/g]	13	< 6	< 6	< 6
Sr [µg/g]	470	340	190	130
Ti [µg/g]	3100	1600	680	3800
Tl [µg/g]	0.38	0.22	1.5	0.40

**SGS Canada Inc.**

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LR Report : CA14066-AUG21

Analysis	8:	9:	10:	11:
	CAMLC13044	CAMLC13045	CAMLC13046	CAMLC13047
	RP2-425-450- KSC-WA	RP2-425-450- KSC-WA	LW1-200-172- 1000 KMG	DP1-325-169- KS
U [µg/g]	1.06	0.86	1.12	1.45
V [µg/g]	57	39	110	130
Y [µg/g]	6.1	6.3	6.3	4.8
Zn [µg/g]	53	56	740	110

Chromium may not recover completely depending on sample matrix.

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





mel

**SGS Canada Inc.**

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

17-June-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 20 May 2021  
**LR Report:** CA14758-MAY21  
**Reference:** P.O.# 770080

Meliadine  
, Nunavut  
X0C 0A0, Canada

**Copy:** #1

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

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000128 -TIR02A-1002 4MS09-Kwa-s	ARDG-000129 -TIR02A-1002 4MS09-Kwa-s	ARDG-000130 -TIR02A-1002 4MS09-Kwa-s
Sample Date & Time					25-Apr-21	25-Apr-21	01-May-21
Paste pH [no unit]	03-Jun-21	14:15	07-Jun-21	07:51	9.33	9.36	9.28
Fizz Rate [no unit]	03-Jun-21	14:15	07-Jun-21	07:51	3	3	3
Sample weight [g]	03-Jun-21	14:15	07-Jun-21	07:51	2.01	1.97	1.95
HCl_add [mL]	04-Jun-21	12:45	07-Jun-21	07:51	32.60	33.80	36.70
HCl [Normality]	03-Jun-21	14:15	07-Jun-21	07:51	0.10	0.10	0.10
NaOH [Normality]	03-Jun-21	14:15	07-Jun-21	07:51	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	04-Jun-21	14:20	07-Jun-21	07:51	12.75	15.18	16.28
Final pH [no unit]	04-Jun-21	14:20	07-Jun-21	07:51	1.88	1.78	1.87
NP [t CaCO3/1000 t]	04-Jun-21	14:20	07-Jun-21	07:51	49.4	47.3	52.4
AP [t CaCO3/1000 t]	15-Jun-21	17:57	15-Jun-21	17:57	8.75	8.75	4.69
Net NP [t CaCO3/1000 t]	15-Jun-21	17:57	15-Jun-21	17:57	40.6	38.6	47.7
NP/AP [ratio]	15-Jun-21	17:57	15-Jun-21	17:57	5.65	5.41	11.2
S [%]	14-Jun-21	13:41	15-Jun-21	17:56	0.248	0.323	0.233
Acid Leachable SO4-S [%]	15-Jun-21	13:47	15-Jun-21	17:56	< 0.04	0.04	0.08
Sulphide [%]	15-Jun-21	13:47	15-Jun-21	17:56	0.28	0.28	0.15
C [%]	14-Jun-21	13:41	15-Jun-21	13:14	0.688	0.683	0.784
CO3 (HCl) [%]	16-Jun-21	07:05	16-Jun-21	08:43	3.09	3.05	3.60

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000131 -TIR02A-1002 4MS09-Kwa-s	ARDG-000132 -TIR02A-1002 4MS09-Kwa-s	ARDG-000133 -TIR02A-1002 4MS09-Kwa-s	ARDG-000134 -TIR02A-1001 9SU01-Kwa-s	ARDG-000135 -TIR02A-1001 9SU01-Kwa-s	ARDG-000136 -TIR02A-1001 9SU01-Kwa-s
Sample Date & Time	01-May-21	06-May-21	06-May-21	13-May-21	13-May-21	13-May-21
Paste pH [no unit]	9.25	9.23	9.14	9.47	9.34	9.41
Fizz Rate [no unit]	3	3	3	3	3	3

Online LIMS

0002533583

**SGS Canada Inc.**

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**LR Report : CA14758-MAY21**

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000131	ARDG-000132	ARDG-000133	ARDG-000134	ARDG-000135	ARDG-000136
	-TIR02A-1002	-TIR02A-1002	-TIR02A-1002	-TIR02A-1001	-TIR02A-1001	-TIR02A-1001
	4MS09-Kwa-s	4MS09-Kwa-s	4MS09-Kwa-s	9SU01-Kwa-s	9SU01-Kwa-s	9SU01-Kwa-s
Sample weight [g]	2.02	2.10	2.12	2.12	2.06	2.01
HCl_add [mL]	50.00	32.40	32.20	38.10	32.80	32.50
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]	25.37	16.00	12.56	15.64	14.03	14.71
Final pH [no unit]	1.68	1.75	1.94	1.80	1.91	1.76
NP [t CaCO3/1000 t]	61.0	39.1	46.3	53.0	45.5	44.3
AP [t CaCO3/1000 t]	9.06	5.31	5.31	4.38	5.94	4.69
Net NP [t CaCO3/1000 t]	51.9	33.8	41.0	48.6	39.6	39.6
NP/AP [ratio]	6.73	7.36	8.72	12.1	7.66	9.45
S [%]	0.374	0.254	0.264	0.192	0.193	0.177
Acid Leachable SO4-S [%]	0.08	0.08	0.09	0.05	< 0.04	< 0.04
Sulphide [%]	0.29	0.17	0.17	0.14	0.19	0.15
C [%]	0.889	0.550	0.638	0.769	0.629	0.620
CO3 (HCl) [%]	4.07	2.41	2.83	3.72	3.08	3.01

\*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



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**SGS Canada Inc.**

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

01-June-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 06 May 2021  
**LR Report:** CA14933-MAY21  
**Reference:** P.O# OL-999004

Meliadine  
, Nunavut  
X0C 0A0, Canada

**Copy:** #1

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Fax:(819) 759-3663

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC13138 CAMLC13138 3-FW2-300-17 4-FW1-225-E-2	CAMLC13138 CAMLC13138 5-FW0-400-W MV	CAMLC13138 CAMLC13138 5-FW0-400-W -MW
Sample Date & Time					15-Apr-21	15-Apr-21	21-Apr-21
Paste pH [no unit]	13-May-21	08:58	17-May-21	06:48	8.45	8.49	8.41
Fizz Rate [no unit]	13-May-21	08:58	17-May-21	06:48	4	4	4
Sample weight [g]	13-May-21	08:58	17-May-21	06:48	1.94	1.99	1.96
HCl_add [mL]	14-May-21	06:57	17-May-21	06:48	142.00	174.00	133.00
HCl [Normality]	13-May-21	08:58	17-May-21	06:48	0.10	0.10	0.10
NaOH [Normality]	13-May-21	08:58	17-May-21	06:48	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14-May-21	06:57	17-May-21	06:48	48.57	83.99	45.85
Final pH [no unit]	14-May-21	06:57	17-May-21	06:48	1.69	1.59	1.85
NP [t CaCO3/1000 t]	14-May-21	06:57	17-May-21	06:48	241	226	222
AP [t CaCO3/1000 t]	17-May-21	06:48	17-May-21	06:49	2.81	7.50	3.75
Net NP [t CaCO3/1000 t]	17-May-21	06:48	17-May-21	06:49	238	219	219
NP/AP [ratio]	17-May-21	06:49	17-May-21	06:49	85.6	30.2	59.3
S [%]	11-May-21	07:50	12-May-21	09:16	0.112	0.356	0.146
Acid Leachable SO4-S [%]	12-May-21	06:25	12-May-21	09:16	< 0.04	0.12	< 0.04
Sulphide [%]	12-May-21	06:25	12-May-21	09:16	0.09	0.24	0.12
C [%]	11-May-21	07:50	12-May-21	09:16	2.57	2.98	2.74
CO3 [%]	21-May-21	07:41	21-May-21	14:17	12.9	14.9	13.7

Analysis	8:	9:	10:	11:
	CAMLC13138 CAMLC13138 6-FW2-300-W -KSC-WA	CAMLC13138 CAMLC13138 7-FW2-300-W -KSC-WA	CAMLC13138 CAMLC13138 8-DP1-173-KS	CAMLC13138 CAMLC13138 9-DP1-165-KS C-WA
Sample Date & Time	21-Apr-21	21-Apr-21	22-Apr-21	25-Apr-21
Paste pH [no unit]	9.16	9.10	8.82	8.63
Fizz Rate [no unit]	4	4	4	4

Online LIMS

0002513932

**SGS Canada Inc.**

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LR Report : CA14933-MAY21

Analysis	8: CAMLC13138 6-FW2-300-W -KSC-WA	9: CAMLC13138 7-FW2-300-W -KSC-WA	10: CAMLC13138 8-DP1-173-KS	11: CAMLC13138 9-DP1-165-KS C-WA
Sample weight [g]	1.98	1.98	2.00	1.96
HCl_add [mL]	40.00	60.00	64.00	65.00
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]	29.38	37.44	37.23	35.04
Final pH [no unit]	1.56	1.55	1.61	1.63
NP [t CaCO3/1000 t]	26.8	57.0	66.9	76.4
AP [t CaCO3/1000 t]	1.25	1.25	2.81	3.12
Net NP [t CaCO3/1000 t]	25.6	55.8	64.1	73.3
NP/AP [ratio]	21.4	45.6	23.8	24.4
S [%]	0.051	0.070	0.225	0.156
Acid Leachable SO4-S [%]	0.05	0.07	0.14	0.06
Sulphide [%]	< 0.04	< 0.04	0.09	0.10
C [%]	0.281	0.760	0.932	1.05
CO3 [%]	1.42	3.78	4.59	5.30

\*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.

CO3 analyzed using HCl I each method.

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



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 : Dan Gorton/Sean Arruda

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

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13-May-2021

**Date Rec. :** 06 May 2021  
**LR Report:** CA14934-MAY21  
**Reference:** P.O# OL-999004

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC131383- FW2-300-172	6: CAMLC131384- FW1-225-E-MVFW0-400-W-MW	7: CAMLC131385- FW2-300-W-KS	8: CAMLC131386- FW2-300-W-KS C-WA	9: CAMLC131387- FW2-300-W-KS C-WA	10: CAMLC131388- DP1-173-KS	11: CAMLC131389- DP1-165-KSC- WA
Sample Date & Time					15-Apr-21	15-Apr-21	21-Apr-21	21-Apr-21	21-Apr-21	22-Apr-21	25-Apr-21
Ag [µg/g]	12-May-21	11:00	13-May-21	17:00	< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5	< 0.5
Al [µg/g]	12-May-21	11:00	13-May-21	17:00	70000	58000	60000	52000	61000	70000	60000
As [µg/g]	12-May-21	11:00	13-May-21	17:00	3.5	63	6.4	620	490	26	10
Ba [µg/g]	12-May-21	11:00	13-May-21	17:00	110	97	71	590	560	480	450
Be [µg/g]	12-May-21	11:00	13-May-21	17:00	0.49	0.38	0.31	1	1	1	1
Bi [µg/g]	12-May-21	11:00	13-May-21	17:00	< 0.09	< 0.09	< 0.09	0.16	1.6	0.38	0.16
Ca [µg/g]	12-May-21	11:00	13-May-21	17:00	80000	74000	80000	4600	13000	19000	23000
Cd [µg/g]	12-May-21	11:00	13-May-21	17:00	0.15	0.10	0.12	0.04	0.11	0.06	0.03
Co [µg/g]	12-May-21	11:00	13-May-21	17:00	40	41	42	19	17	14	8
Cr [µg/g]	12-May-21	11:00	13-May-21	17:00	140	120	120	140	150	140	78
Cu [µg/g]	12-May-21	11:00	13-May-21	17:00	95	110	160	15	28	35	15
Fe [µg/g]	12-May-21	11:00	13-May-21	17:00	67000	68000	65000	39000	40000	44000	73000
K [µg/g]	12-May-21	11:00	13-May-21	17:00	7700	5400	4400	21000	18000	15000	13000
Li [µg/g]	12-May-21	11:00	13-May-21	17:00	87	63	81	40	36	26	35
Mg [µg/g]	12-May-21	11:00	13-May-21	17:00	21000	23000	25000	12000	12000	10000	8300
Mn [µg/g]	12-May-21	11:00	13-May-21	17:00	1500	1500	1500	190	350	340	330
Mo [µg/g]	12-May-21	11:00	13-May-21	17:00	1.5	0.4	1.8	4.8	11	1.7	4.2
Na [µg/g]	12-May-21	11:00	13-May-21	17:00	12000	15000	11000	21000	20000	17000	22000
Ni [µg/g]	12-May-21	11:00	13-May-21	17:00	100	98	110	59	58	36	19

OnLine LIMS

0002494922

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC131383- FW2-300-172	6: CAMLC131384- FW1-225-E-MV	7: CAMLC131385- FW0-400-W-MW	8: CAMLC131386- FW2-300-W-KS C-WA	9: CAMLC131387- FW2-300-W-KS C-WA	10: CAMLC131388- DP1-173-KS	11: CAMLC131389- DP1-165-KS- WA
P [µg/g]	12-May-21	11:00	13-May-21	17:00	220	230	98	350	300	330	360
Pb [µg/g]	12-May-21	11:00	13-May-21	17:00	5	9	4	22	310	10	9
Sb [µg/g]	12-May-21	11:00	13-May-21	17:00	1.0	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	12-May-21	11:00	13-May-21	17:00	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	12-May-21	11:00	13-May-21	17:00	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	12-May-21	11:00	13-May-21	17:00	170	130	110	170	220	230	280
Ti [µg/g]	12-May-21	11:00	13-May-21	17:00	4000	3600	1400	3200	2800	2300	1800
Tl [µg/g]	12-May-21	11:00	13-May-21	17:00	0.24	0.29	0.15	0.59	0.61	0.38	0.25
U [µg/g]	12-May-21	11:00	13-May-21	17:00	0.10	0.15	< 0.002	1.6	1.4	1.6	0.86
V [µg/g]	12-May-21	11:00	13-May-21	17:00	220	210	180	92	88	63	40
Y [µg/g]	12-May-21	11:00	13-May-21	17:00	18	7.0	7.5	4.1	5.1	8.8	5.1
Zn [µg/g]	12-May-21	11:00	13-May-21	17:00	89	120	76	81	68	50	44

Chromium may not recover completely depending on sample matrix.

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

**SGS Canada Inc.**

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19-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 06 May 2021  
**LR Report:** CA14935-MAY21  
**Reference:** P.O# OL-999004

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC13138 CAMLC13138 3-FW2-300-17 4-FW1-225-E- 2	6: CAMLC13138 CAMLC13138 5-FW0-400-W MV	7: CAMLC13138 CAMLC13138 5-FW0-400-W -MW
Sample Date & Time					15-Apr-21	15-Apr-21	21-Apr-21
Sample weight [g]	11-May-21	16:41	13-May-21	08:47	250	250	250
Volume D.I. Water [mL]	11-May-21	16:41	13-May-21	08:47	750	750	750
Final pH [no unit]	12-May-21	15:30	13-May-21	08:47	8.90	8.76	8.80
pH [No unit]	13-May-21	15:00	14-May-21	10:52	8.49	8.48	8.39
Conductivity [uS/cm]	13-May-21	15:00	14-May-21	10:52	530	444	571
Alkalinity [mg/L as CaCO3]	13-May-21	15:00	14-May-21	10:52	41	68	44
SO4 [mg/L]	15-May-21	10:19	17-May-21	17:24	7	6	9
Hg [mg/L]	13-May-21	14:05	14-May-21	13:57	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	14-May-21	21:09	17-May-21	17:22	0.607	0.418	0.384
As [mg/L]	14-May-21	21:09	17-May-21	17:22	0.0005	0.0108	0.0009
Ba [mg/L]	14-May-21	21:09	17-May-21	17:22	0.00366	0.00161	0.00115
B [mg/L]	14-May-21	21:09	17-May-21	17:22	0.192	0.176	0.070
Be [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	14-May-21	21:09	17-May-21	17:22	18.7	17.3	21.4
Cd [mg/L]	14-May-21	21:09	17-May-21	17:22	0.000003	< 0.000003	< 0.000003
Co [mg/L]	14-May-21	21:09	17-May-21	17:22	0.000070	0.000117	0.000080
Cr [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	14-May-21	21:09	17-May-21	17:22	0.0003	< 0.0002	< 0.0002
Fe [mg/L]	14-May-21	21:09	17-May-21	17:22	0.007	< 0.007	< 0.007
K [mg/L]	14-May-21	21:09	17-May-21	17:22	11.7	9.77	7.03
Li [mg/L]	14-May-21	21:09	17-May-21	17:22	0.0020	0.0028	0.0022
Mn [mg/L]	14-May-21	21:09	17-May-21	17:22	0.00283	0.00485	0.00407
Mg [mg/L]	14-May-21	21:09	17-May-21	17:22	3.48	8.61	6.90
Mo [mg/L]	14-May-21	21:09	17-May-21	17:22	0.00086	0.00042	0.00129

**SGS Canada Inc.**

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LR Report : CA14935-MAY21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC13138 CAMLC13138 3-FW2-300-17 4-FW1-225-E 2	6: CAMLC13138 CAMLC13138 5-FW0-400-W MV	7: CAMLC13138 CAMLC13138 -MW
Na [mg/L]	14-May-21	21:09	17-May-21	17:22	75.9	52.6	73.0
Ni [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.0001	0.0003	< 0.0001
P [mg/L]	14-May-21	21:09	17-May-21	17:22	0.003	0.004	0.003
Pb [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	14-May-21	21:09	17-May-21	17:22	0.0011	0.0027	< 0.0009
Se [mg/L]	14-May-21	21:09	17-May-21	17:22	0.00008	0.00011	0.00006
Si [mg/L]	14-May-21	21:09	17-May-21	17:22	0.98	1.08	1.01
Sn [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	14-May-21	21:09	17-May-21	17:22	0.144	0.0658	0.102
Ti [mg/L]	14-May-21	21:09	17-May-21	17:22	0.00222	0.00108	< 0.00005
Tl [mg/L]	14-May-21	21:09	17-May-21	17:22	0.000020	< 0.000005	0.000018
U [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.000002	< 0.000002	< 0.000002
V [mg/L]	14-May-21	21:09	17-May-21	17:22	0.00057	0.00046	0.00036
Zn [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.002	< 0.002	< 0.002
Zr [mg/L]	14-May-21	21:09	17-May-21	17:22	< 0.002	< 0.002	< 0.002

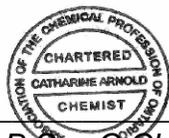
Analysis	8: CAMLC13138 CAMLC13138 6-FW2-300-W -KSC-WA	9: CAMLC13138 CAMLC13138 7-FW2-300-W -KSC-WA	10: CAMLC13138 CAMLC13138 8-DP1-173-KS	11: CAMLC13138 CAMLC13138 9-DP1-165-KS C-WA	12: CAMLC13138 CAMLC13138 9-DP1-165-KS C-WA	13:BLK: \$D.I. Leachate Blank
Sample Date & Time	21-Apr-21	21-Apr-21	22-Apr-21	25-Apr-21		
Sample weight [g]	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
Final pH [no unit]	9.39	9.35	9.07	9.01	9.03	5.59
pH [No unit]	8.93	9.03	8.62	8.53	8.55	7.30
Conductivity [uS/cm]	177	189	378	342	364	12
Alkalinity [mg/L as CaCO3]	53	57	54	58	55	5
SO4 [mg/L]	< 2	< 2	6	4	5	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	1.06	0.841	0.595	0.481	0.514	0.017
As [mg/L]	0.218	0.228	0.0122	0.0022	0.0023	< 0.0002
Ba [mg/L]	0.00207	0.00204	0.00305	0.00499	0.00628	0.00005
B [mg/L]	0.251	0.367	0.097	0.143	0.170	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	6.34	8.36	14.3	12.7	13.7	0.01
Cd [mg/L]	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000269	0.000246	0.000191	0.000116	0.000127	0.000007
Cr [mg/L]	0.00019	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	0.0004	< 0.0002	< 0.0002	< 0.0002

**SGS Canada Inc.**

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LR Report : CA14935-MAY21

Analysis	8: CAMLC13138 6-FW2-300-W -KSC-WA	9: CAMLC13138 7-FW2-300-W -KSC-WA	10: CAMLC13138 8-DP1-173-KS	11: CAMLC13138 9-DP1-165-KS C-WA	12: CAMLC13138 9-DP1-165-KS C-WA	13:BLK: \$.D.I. Leachate Blank
Fe [mg/L]	0.024	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	18.0	16.0	18.0	16.5	18.0	0.130
Li [mg/L]	0.0013	0.0015	0.0011	0.0025	0.0026	< 0.0001
Mn [mg/L]	0.00041	0.00051	0.00096	0.00136	0.00144	0.00010
Mg [mg/L]	1.23	1.95	3.97	3.54	3.92	0.001
Mo [mg/L]	0.00124	0.00154	0.00083	0.00030	0.00037	0.00007
Na [mg/L]	18.6	18.8	46.4	38.7	44.0	< 0.01
Ni [mg/L]	0.0002	0.0002	0.0001	< 0.0001	< 0.0001	< 0.0001
P [mg/L]	0.008	0.008	0.004	< 0.003	0.005	< 0.003
Pb [mg/L]	< 0.00009	0.00011	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0062	0.0098	0.0041	0.0018	0.0020	< 0.0009
Se [mg/L]	0.00004	0.00018	0.00008	< 0.00004	0.00004	< 0.00004
Si [mg/L]	1.65	1.64	1.35	1.34	1.33	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0238	0.0363	0.0770	0.113	0.118	0.00007
Ti [mg/L]	0.00243	0.00078	0.00051	0.00038	0.00057	< 0.00005
Tl [mg/L]	0.000017	0.000013	< 0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000069	0.000072	0.000018	0.000017	0.000019	< 0.000002
V [mg/L]	0.00414	0.00321	0.00061	0.00022	0.00025	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

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12-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 25 October 2021  
**LR Report:** CA14952-OCT21  
**Reference:** P.O# 770080

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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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: CAMLC129483 FW1-450-W MV	6: CAMLC129484 FW0-400-W MV	7: CAMLC129485 FW0-400-W DUP
Sample Date & Time					15-Sep-21	15-Sep-21	15-Sep-21
Paste pH [no unit]	02-Nov-21	08:00	04-Nov-21	13:53	8.71	8.45	8.46
Fizz Rate [no unit]	02-Nov-21	08:00	04-Nov-21	13:53	3	4	4
Sample weight [g]	02-Nov-21	08:00	04-Nov-21	13:53	2.00	2.00	1.99
HCl_add [mL]	03-Nov-21	06:10	04-Nov-21	13:53	120.00	160.00	160.00
HCl [Normality]	02-Nov-21	08:00	04-Nov-21	13:53	0.10	0.10	0.10
NaOH [Normality]	02-Nov-21	08:00	04-Nov-21	13:53	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	03-Nov-21	08:00	04-Nov-21	13:53	52.48	78.38	75.24
Final pH [no unit]	03-Nov-21	08:00	04-Nov-21	13:53	1.77	1.56	1.60
NP [t CaCO3/1000 t]	03-Nov-21	08:00	04-Nov-21	13:53	169	204	213
AP [t CaCO3/1000 t]	09-Nov-21	15:13	09-Nov-21	15:13	3.44	2.81	2.50
Net NP [t CaCO3/1000 t]	09-Nov-21	15:13	09-Nov-21	15:13	165	201	210
NP/AP [ratio]	09-Nov-21	15:13	09-Nov-21	15:13	49.1	72.5	85.2
S [%]	04-Nov-21	13:26	05-Nov-21	14:25	0.108	0.127	0.111
Acid Leachable SO4-S [%]	09-Nov-21	15:12	09-Nov-21	15:12	< 0.04	< 0.04	< 0.04
Sulphide [%]	09-Nov-21	15:07	09-Nov-21	15:12	0.11	0.09	0.08
C [%]	04-Nov-21	13:26	05-Nov-21	14:25	2.54	3.04	3.20
CO3 (HCl) [%]	05-Nov-21	17:18	08-Nov-21	16:17	12.6	15.1	15.9

Analysis	8: CAMLC12948 6 DP2-350-1387 KWA-S	9: CAMLC12948 DP2-275-1438 KWA-S	10: CAMLC12948 DP2-275-144 KWA-S	11: CAMLC129489 FW1-375-W MV
Sample Date & Time	15-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21
Paste pH [no unit]	8.89	9.12	9.18	8.45
Fizz Rate [no unit]	3	3	3	4

**SGS Canada Inc.**

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LR Report : CA14952-OCT21

Analysis	8:	9:	10:	11:
	CAMLC12948 6 DP2-350-1387 KWA-S	CAMLC12948 DP2-275-1438 KWA-S	CAMLC12948 DP2-275-144 KWA-S	CAMLC129489 FW1-375-W MV
Sample weight [g]	2.02	1.98	1.99	1.99
HCl_add [mL]	40.00	32.30	32.60	158.90
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]	23.01	17.58	17.06	53.32
Final pH [no unit]	1.59	1.65	1.89	1.70
NP [t CaCO3/1000 t]	42.0	37.2	39.1	265
AP [t CaCO3/1000 t]	2.50	2.19	2.81	2.81
Net NP [t CaCO3/1000 t]	39.5	35.0	36.3	262
NP/AP [ratio]	16.8	17.0	13.9	94.3
S [%]	0.167	0.182	0.206	0.130
Acid Leachable SO4-S [%]	0.09	0.11	0.12	0.04
Sulphide [%]	0.08	0.07	0.09	0.09
C [%]	0.535	0.430	0.505	3.32
CO3 (HCl) [%]	2.57	2.03	2.39	16.5

\*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,  
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SGS Canada Inc.

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### Agnico Eagle Mines Limited

Attn : Dan Gorton/Sean Arruda

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, Nunavut  
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mel

03-November-2021

Date Rec. : 25 October 2021

LR Report: CA14953-OCT21

Reference: P.O# 770080

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC129483 FW1-450-W MV	6: CAMLC129484 FW0-400-W MV	7: CAMLC129485 FW0-400-W DUP	8: CAMLC129486 DP2-350-138 KWA-S	9: CAMLC129487 DP2-275-143 KWA-S	10: CAMLC129488 DP2-275-144 KWA-S	11: CAMLC129489 FW1-375-W MV
Sample Date & Time				15-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21
Ag [µg/g]	12:08	01-Nov-21	15:39	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	12:08	01-Nov-21	15:39	61000	65000	62000	75000	60000	73000	57000
As [µg/g]	12:08	01-Nov-21	15:39	6.5	5.0	3.6	90	77	59	16
Ba [µg/g]	12:08	01-Nov-21	15:39	99	67	46	550	540	680	25
Be [µg/g]	12:08	01-Nov-21	15:39	0.32	0.43	0.41	1.3	1.3	1.4	0.30
Bi [µg/g]	12:08	01-Nov-21	15:39	< 0.09	< 0.09	< 0.09	0.18	0.15	0.14	< 0.09
Ca [µg/g]	12:08	01-Nov-21	15:39	100000	96000	100000	13000	10000	12000	130000
Cd [µg/g]	12:08	01-Nov-21	15:39	0.21	0.15	0.14	0.09	0.10	0.10	0.14
Co [µg/g]	12:08	01-Nov-21	15:39	52	53	52	24	23	24	45
Cr [µg/g]	12:08	01-Nov-21	15:39	250	320	220	200	180	170	130
Cu [µg/g]	12:08	01-Nov-21	15:39	150	130	130	36	50	53	120
Fe [µg/g]	12:08	01-Nov-21	15:40	81000	75000	74000	59000	41000	42000	67000
K [µg/g]	12:08	01-Nov-21	15:40	3000	6100	4300	21000	20000	23000	1300
Li [µg/g]	12:08	01-Nov-21	15:40	74	79	75	37	33	31	40
Mg [µg/g]	12:08	01-Nov-21	15:40	34000	31000	31000	17000	15000	16000	23000
Mn [µg/g]	12:08	01-Nov-21	15:40	2200	2300	2300	430	400	460	3100
Mo [µg/g]	12:08	01-Nov-21	15:40	0.4	0.2	0.2	1.4	1.4	1.2	0.1
Na [µg/g]	12:08	01-Nov-21	15:40	11000	14000	15000	22000	28000	25000	18000
Ni [µg/g]	12:08	01-Nov-21	15:40	230	220	210	120	110	100	180

OnLine LIMS

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Analysis	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC129483 FW1-450-W MV	6: CAMLC129484 FW0-400-W MV	7: CAMLC129485 FW0-400-W DUP	8: CAMLC129486 DP2-350-138 KWA-S	9: CAMLC129487 DP2-275-143 KWA-S	10: CAMLC129488 DP2-275-144 KWA-S	11: CAMLC129489 FW1-375-W MV
P [µg/g]	12:08	01-Nov-21	15:40	250	190	180	600	480	490	190
Pb [µg/g]	12:08	01-Nov-21	15:40	7	8	6	16	21	19	4
Sb [µg/g]	12:08	01-Nov-21	15:40	1.0	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	12:08	01-Nov-21	15:40	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	12:08	01-Nov-21	15:40	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	12:08	01-Nov-21	15:40	200	140	150	250	260	290	110
Ti [µg/g]	12:08	01-Nov-21	15:40	2300	1400	1000	3100	2600	2600	3000
Tl [µg/g]	12:08	01-Nov-21	15:40	0.11	0.20	0.13	0.44	0.45	0.50	0.03
U [µg/g]	12:08	01-Nov-21	15:40	0.074	0.059	0.058	1.9	1.2	1.9	0.071
V [µg/g]	12:08	01-Nov-21	15:40	250	230	220	120	95	99	220
Y [µg/g]	12:08	01-Nov-21	15:40	17	8.4	8.5	8.5	4.7	10	15
Zn [µg/g]	12:08	01-Nov-21	15:41	110	99	88	110	93	95	85

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19-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 25 October 2021  
**LR Report:** CA14954-OCT21  
**Reference:** P.O# 770080

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 , Nunavut  
 X0C 0A0, Canada

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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: CAMLC129483 FW1-450-W MV	6: CAMLC129484 FW0-400-W MV	7: CAMLC129485 FW0-400-W DUP
Sample Date & Time					15-Sep-21	15-Sep-21	15-Sep-21
Sample weight [g]	05-Nov-21	09:30	08-Nov-21	09:29	250	250	250
Volume D.I. Water [mL]	05-Nov-21	09:30	08-Nov-21	09:29	750	750	750
Final pH [no unit]	06-Nov-21	07:45	08-Nov-21	09:29	8.97	8.71	8.70
Hg [mg/L]	12-Nov-21	08:00	12-Nov-21	14:41	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.899	0.495	0.417
As [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.0007	0.0011	0.0009
Ba [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00222	0.00186	0.00172
B [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.040	0.177	0.249
Be [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	11.2	14.8	18.0
Cd [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.000021	0.000011	0.000004
Co [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00104	0.000214	0.000261
Cr [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00013	< 0.00008	< 0.00008
Cu [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.0063	0.0014	0.0013
Fe [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.012	0.009	< 0.007
K [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	3.04	5.42	5.53
Li [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.0015	0.0033	0.0028
Mg [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	1.63	5.35	7.15
Mn [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00500	0.00405	0.00468
Mo [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00410	0.00094	0.00071
Na [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	20.7	41.8	60.6
Ni [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.0137	0.0024	0.0025
Pb [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.0010	< 0.0009	< 0.0009

**SGS Canada Inc.**

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LR Report : CA14954-OCT21

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC129483 FW1-450-W MV	CAMLC129484 FW0-400-W MV	CAMLC129485 FW0-400-W DUP
Se [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00008	0.00009	0.00010
Sn [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.0555	0.0573	0.195
Ti [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00135	< 0.00005	< 0.00005
Tl [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.000009	0.000012	0.000012
U [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.000006	0.000003	0.000003
V [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00091	0.00051	0.00053
W [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00119	0.00050	0.00050
Y [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.00004	0.00003	< 0.00002
Zn [mg/L]	10-Nov-21	18:00	11-Nov-21	14:26	0.006	0.003	< 0.002

Analysis	8:	9:	10:	11:
	CAMLC12948 6 DP2-350-1387 KWA-S	CAMLC12948 DP2-275-1438 KWA-S	CAMLC12948 DP2-275-144 KWA-S	CAMLC129489 FW1-375-W MV
Sample Date & Time	15-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
Final pH [no unit]	9.06	9.16	9.22	8.78
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.603	0.776	0.773	0.500
As [mg/L]	0.0206	0.0411	0.0473	0.0037
Ba [mg/L]	0.00363	0.00529	0.00346	0.00817
B [mg/L]	0.344	0.198	0.146	0.307
Be [mg/L]	0.000027	0.000058	0.000068	0.000014
Bi [mg/L]	0.00004	0.00008	0.00005	< 0.00001
Ca [mg/L]	13.5	11.1	8.26	27.2
Cd [mg/L]	0.000032	0.000035	0.000059	0.000023
Co [mg/L]	0.00313	0.00231	0.00223	0.000813
Cr [mg/L]	0.00037	0.00051	0.00028	0.00023
Cu [mg/L]	0.0235	0.0135	0.0137	0.0049
Fe [mg/L]	0.059	0.037	0.048	0.020
K [mg/L]	14.6	14.9	12.8	4.91
Li [mg/L]	0.0015	0.0012	0.0010	0.0020
Mg [mg/L]	3.47	3.05	2.17	4.44
Mn [mg/L]	0.00487	0.00298	0.00308	0.00597
Mo [mg/L]	0.00233	0.00110	0.00070	0.00070
Na [mg/L]	22.4	41.4	25.6	42.9
Ni [mg/L]	0.0433	0.0373	0.0272	0.0130
Pb [mg/L]	0.00010	0.00034	0.00024	< 0.00009

**SGS Canada Inc.**

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LR Report : CA14954-OCT21

Analysis	8: CAMLC12948 6 DP2-350-1387 KWA-S	9: CAMLC12948 DP2-275-1438 KWA-S	10: CAMLC12948 DP2-275-144 KWA-S	11: CAMLC129489 FW1-375-W MV
Sb [mg/L]	0.0026	0.0076	0.0068	< 0.0009
Se [mg/L]	0.00019	0.00032	0.00023	0.00019
Sn [mg/L]	< 0.00006	0.00010	0.00006	< 0.00006
Sr [mg/L]	0.0744	0.0769	0.0514	0.448
Ti [mg/L]	0.00048	0.00069	0.00087	0.00034
Tl [mg/L]	0.000063	0.000066	0.000054	0.000034
U [mg/L]	0.000131	0.000164	0.000149	0.000005
V [mg/L]	0.00124	0.00252	0.00274	0.00062
W [mg/L]	0.00107	0.0110	0.00507	0.00146
Y [mg/L]	0.00005	0.00005	0.00007	< 0.00002
Zn [mg/L]	0.002	< 0.002	< 0.002	< 0.002

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

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



**SGS Canada Inc.**  
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**Project :** P.O# 770080

24-February-2022

**Agnico Eagle Mines Limited**  
Attn : Randy Schwandt/Brett Fairbairn

**Date Rec. :** 03 February 2022  
**LR Report:** CA15074-FEB22

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 Completed	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLM182234 CC1-250-149-15 KSC-WA	6: CAMLM182235 DP2-300-163 KSC-WA	7: CAMLM182236 DP1-475-11-1 MV
Sample Date & Time					20-Nov-22	20-Nov-22	20-Nov-22
Sample weight [g]	08-Feb-22	10:40	09-Feb-22	13:32	250	250	250
Volume D.I. Water [mL]	08-Feb-22	10:40	09-Feb-22	13:32	750	750	750
Final pH [no unit]	09-Feb-22	12:44	09-Feb-22	13:32	9.09	9.27	9.10
pH [No unit]	10-Feb-22	14:31	11-Feb-22	12:42	8.54	8.37	8.52
Conductivity [uS/cm]	10-Feb-22	14:31	11-Feb-22	12:42	400	202	276
Alkalinity [mg/L as CaCO3]	10-Feb-22	14:31	11-Feb-22	12:42	53	54	59
SO4 [mg/L]	15-Feb-22	10:40	17-Feb-22	07:10	9	3	5
Hg [mg/L]	15-Feb-22	12:45	16-Feb-22	10:02	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.482	0.711	0.658
As [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.0280	0.0215	0.0224
Ba [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	0.00319	0.00198	0.00279
B [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	0.095	0.024	0.042
Be [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	14.5	8.92	11.3
Cd [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.000062	< 0.000004	0.000005
Cr [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.00055	0.00067	0.00061
Cu [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.0007	0.0007	0.0006
Fe [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	< 0.007	< 0.007	< 0.007
K [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	16.8	13.9	16.1
Li [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	0.0008	0.0006	0.0008
Mg [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	3.74	1.76	2.69
Mn [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.00059	0.00052	0.00065
Mo [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.00056	0.00039	0.00151
Na [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	45.8	24.8	30.1
Ni [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	< 0.00009	< 0.00009	< 0.00009

Online LIMS

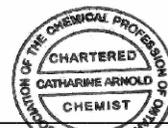
0002809755

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time Completed	Analysis Completed Date	Analysis Completed Time	CAMLM182234 CC1-250-149-15 KSC-WA	CAMLM182235 DP2-300-163 KSC-WA	CAMLM182236 DP1-475-11-1 MV
Sb [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	0.0040	0.0037	0.0046
Se [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.00038	0.00043	0.00042
Si [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	2.02	1.89	1.57
Sn [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.0795	0.0392	0.0558
Ti [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.00015	0.00027	0.00023
Tl [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	0.000011	< 0.000005	< 0.000005
U [mg/L]	15-Feb-22	13:48	17-Feb-22	08:27	0.000020	0.000031	0.000019
V [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	0.00163	0.00255	0.00160
Zn [mg/L]	15-Feb-22	13:48	17-Feb-22	15:04	< 0.002	< 0.002	< 0.002

Analysis	8:	9:	10:	11:
	CAMLM182237 DP1-375-11-6 KSC-WA	CAMLM182238 CC1-250-149-16 KSC-WA	CAMLM182239 CC1-250-149-16 KSC-WA	CAMLM182240 DP1-475-111-2 MV
Sample Date & Time	20-Nov-22	20-Nov-22	20-Nov-22	20-Nov-22
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
Final pH [no unit]	9.05	9.13	9.05	9.17
pH [No unit]	8.41	8.30	8.18	8.52
Conductivity [uS/cm]	356	204	216	252
Alkalinity [mg/L as CaCO3]	57	61	64	50
SO4 [mg/L]	5	2	3	4
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.543	0.765	0.773	0.568
As [mg/L]	0.0174	0.0159	0.0194	0.0388
Ba [mg/L]	0.00287	0.00210	0.00253	0.00226
B [mg/L]	0.069	0.042	0.046	0.091
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	14.1	9.99	10.8	9.32
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000051	0.000052	0.000050	0.000100
Cr [mg/L]	< 0.00008	0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	0.007
K [mg/L]	18.7	16.5	17.4	12.2
Li [mg/L]	0.0008	0.0009	0.0009	0.0008
Mg [mg/L]	3.66	2.51	2.68	2.39
Mn [mg/L]	0.00040	0.00053	0.00054	0.00040
Mo [mg/L]	0.00038	0.00046	0.00044	0.00056
Na [mg/L]	35.8	19.5	19.2	30.0
Ni [mg/L]	0.0001	0.0001	< 0.0001	0.0001

Analysis	8: CAMLM182237 DP1-375-11-6 KSC-WA	9: CAMLM182238 CC1-250-149-16 KSC-WA	10: CAMLM182239 CC1-250-149-16 KSC-WA	11: CAMLM182240 DP1-475-111-2 MV
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0032	0.0032	0.0040	0.0047
Se [mg/L]	0.00006	0.00004	0.00004	0.00004
Si [mg/L]	1.45	1.26	1.43	2.17
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0650	0.0399	0.0443	0.0453
Ti [mg/L]	0.00006	0.00017	0.00012	0.00022
Tl [mg/L]	0.000010	< 0.000005	< 0.000005	0.000005
U [mg/L]	0.000013	0.000012	0.000017	0.000090
V [mg/L]	0.00096	0.00108	0.00138	0.00271
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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





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**SGS Canada Inc.**

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24-February-2022

**Agnico Eagle Mines Limited**

Attn : Randy Schwandt/Brett Fairbairn

**Date Rec. :** 03 February 2022  
**LR Report:** CA15075-FEB22

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

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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: CAMLM182234 CC1-250-149-15 KSC-WA	6: CAMLM182235 DP2-300-163 KSC-WA	7: CAMLM182236 DP1-475-11-1 MV	8: CAMLM182237 DP1-375-11-6 KSC-WA	9: CAMLM182238 CC1-250-149-16 KSC-WA
Sample Date & Time					20-Nov-22	20-Nov-22	20-Nov-22	20-Nov-22	20-Nov-22
Ag [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	85000	90000	84000	81000	79000
As [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	59	62	74	140	88
Ba [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	570	710	610	590	710
Be [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	1	1	1	1	1
Bi [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	0.16	0.22	0.22	0.24	0.32
Ca [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	11000	12000	14000	13000	15000
Cd [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	0.05	0.05	0.07	0.07	0.07
Co [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	19	22	23	22	24
Cr [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	62	80	130	130	130
Cu [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	30	39	39	49	60
Fe [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	51000	52000	60000	64000	66000
K [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	19000	20000	21000	21000	22000
Li [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	29	32	31	33	36
Mg [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	14000	15000	16000	17000	18000
Mn [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	250	210	350	260	370
Mo [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	1.3	1.4	1.3	1.3	1.4
Ni [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	68	74	77	77	85
P [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	490	530	650	570	630
Pb [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	7	15	8	8	10
Sb [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	220	230	220	190	200
Ti [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	3300	3800	3900	3800	4100
Tl [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	0.42	0.45	0.50	0.47	0.51
U [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	1.90	1.96	1.83	1.75	1.86
V [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	81	95	130	110	130
Y [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	9.02	10.0	8.50	8.16	8.04
Zn [µg/g]	15-Feb-22	16:23	17-Feb-22	09:16	72	76	84	85	85

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
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LR Report : CA15075-FEB22

Analysis	10:	11:
	CAMLM182239 CC1-250-149-16 KSC-WA	CAMLM182240 DP1-475-111-2 MV
Sample Date & Time	20-Nov-22	20-Nov-22
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	78000	48000
As [µg/g]	93	39
Ba [µg/g]	730	420
Be [µg/g]	2	1
Bi [µg/g]	0.40	0.12
Ca [µg/g]	15000	6400
Cd [µg/g]	0.11	0.05
Co [µg/g]	24	19
Cr [µg/g]	140	70
Cu [µg/g]	68	25
Fe [µg/g]	69000	50000
K [µg/g]	23000	18000
Li [µg/g]	37	30
Mg [µg/g]	19000	13000
Mn [µg/g]	380	140
Mo [µg/g]	1.9	1.3
Ni [µg/g]	89	69
P [µg/g]	630	460
Pb [µg/g]	12	8
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6
Sr [µg/g]	200	130
Ti [µg/g]	4100	3500
Tl [µg/g]	0.54	0.44
U [µg/g]	1.96	0.71
V [µg/g]	140	83
Y [µg/g]	8.16	3.84
Zn [µg/g]	85	75

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



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**SGS Canada Inc.**

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24-February-2022

**Agnico Eagle Mines Limited**

Attn : Randy Schwandt/Brett Fairbairn

**Date Rec. :** 03 February 2022  
**LR Report:** CA15076-FEB22

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

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLM18223 45 DP2-300-163 CC1-250-149- 15 KSC-WA	CAMLM18223 KSC-WA	CAMLM1822 36 DP1-475-11- 1 MV
Sample Date & Time					20-Nov-21	20-Nov-21	20-Nov-21
Paste pH [no unit]	15-Feb-22	08:30	17-Feb-22	14:23	8.77	9.06	8.94
Fizz Rate [no unit]	15-Feb-22	08:30	17-Feb-22	14:23	4	4	4
Sample weight [g]	15-Feb-22	08:30	17-Feb-22	14:23	1.99	1.99	2.00
HCl_add [mL]	16-Feb-22	11:21	17-Feb-22	14:23	40.00	52.00	55.00
HCl [Normality]	15-Feb-22	08:30	17-Feb-22	14:23	0.10	0.10	0.10
NaOH [Normality]	15-Feb-22	08:30	17-Feb-22	14:23	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Feb-22	11:21	17-Feb-22	14:23	26.17	37.64	36.22
Final pH [no unit]	16-Feb-22	11:21	17-Feb-22	14:23	1.82	1.57	1.66
NP [t CaCO3/1000 t]	16-Feb-22	11:21	17-Feb-22	14:23	34.7	36.1	47.0
AP [t CaCO3/1000 t]	22-Feb-22	08:30	22-Feb-22	08:30	1.25	1.88	1.25
Net NP [t CaCO3/1000 t]	22-Feb-22	08:30	22-Feb-22	08:30	33.4	34.2	45.8
NP/AP [ratio]	22-Feb-22	08:30	22-Feb-22	08:30	27.8	19.3	37.6
S [%]	17-Feb-22	06:51	22-Feb-22	08:30	0.070	0.119	0.209
Acid Leachable SO4-S [%]	22-Feb-22	08:30	22-Feb-22	08:30	< 0.04	0.06	0.17
Sulphide [%]	19-Feb-22	13:00	22-Feb-22	08:30	< 0.04	0.06	0.04
C [%]	17-Feb-22	06:51	22-Feb-22	08:30	0.480	0.493	0.660
CO3 (HCl) [%]	19-Feb-22	14:00	22-Feb-22	08:30	2.42	2.41	3.23

Analysis	8:	9:	10:	11:
	CAMLM1822 37 DP1-375-11- 6 KSC-WA	CAMLM18223 8 CC1-250-149- 16 KSC-WA	CAMLM18223 9 CC1-250-149- 16 KSC-WA	CAMLM18224 0 DP1-475-111- 2 MV
Sample Date & Time	20-Nov-21	20-Nov-21	20-Nov-21	20-Nov-21
Paste pH [no unit]	8.81	8.95	8.97	8.97
Fizz Rate [no unit]	4	4	4	4

Online LIMS

0002809803

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
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LR Report : CA15076-FEB22

Analysis	8:	9:	10:	11:
	CAMLM1822	CAMLM18223	CAMLM18223	CAMLM18224
	37	8	9	0
	DP1-375-11-6 KSC-WA	CC1-250-149-16 KSC-WA	CC1-250-149-16 KSC-WA	DP1-475-111-2 MV
Sample weight [g]	1.99	2.00	2.00	2.00
HCl_add [mL]	57.10	59.00	60.00	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]	39.45	36.80	37.14	29.79
Final pH [no unit]	1.68	1.68	1.89	1.61
NP [t CaCO3/1000 t]	44.3	55.5	57.1	25.5
AP [t CaCO3/1000 t]	1.88	1.25	3.12	1.25
Net NP [t CaCO3/1000 t]	42.4	54.2	54.0	24.2
NP/AP [ratio]	23.6	44.4	18.3	20.4
S [%]	0.226	0.298	0.341	0.140
Acid Leachable SO4-S [%]	0.17	< 0.04	0.24	0.10
Sulphide [%]	0.06	< 0.04	0.10	0.04
C [%]	0.590	0.779	0.795	0.337
CO3 (HCl) [%]	2.94	3.90	3.95	1.59

\*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



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mel

**Project :** PO#1124452

07-March-2022

**Agnico Eagle Mines Limited**  
**Attn :** Randy Schwandt/Brett Fairbairn

**Date Rec. :** 08 February 2022  
**LR Report:** CA15158-FEB22  
**Reference:** y

Meliadine  
, Nunavut  
X0C 0A0, Canada

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## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAMLC13177 DP1-250-1485 KSC-WA	CAMLC13177 DP0-400-1112 MV	CAMLC13178 DP2-300-163 Ks
Sample Date & Time					08-Feb-22	08-Feb-22	08-Feb-22
Paste pH [no unit]	16-Feb-22	08:45	22-Feb-22	07:19	8.95	8.93	8.54
Fizz Rate [no unit]	16-Feb-22	08:45	22-Feb-22	07:19	3	3	3
Sample weight [g]	16-Feb-22	08:45	22-Feb-22	07:19	2.01	2.00	2.00
HCl_add [mL]	17-Feb-22	06:53	22-Feb-22	07:19	49.00	130.00	71.40
HCl [Normality]	16-Feb-22	08:45	22-Feb-22	07:19	0.10	0.10	0.10
NaOH [Normality]	16-Feb-22	08:45	22-Feb-22	07:19	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Feb-22	08:45	22-Feb-22	07:19	33.74	47.27	46.18
Final pH [no unit]	17-Feb-22	08:45	22-Feb-22	07:19	1.76	1.74	1.56
NP [t CaCO3/1000 t]	17-Feb-22	08:45	22-Feb-22	07:19	38.0	207	63.0
AP [t CaCO3/1000 t]	26-Feb-22	09:29	26-Feb-22	09:29	1.56	2.19	6.25
Net NP [t CaCO3/1000 t]	26-Feb-22	09:29	26-Feb-22	09:29	36.4	205	56.8
NP/AP [ratio]	26-Feb-22	09:29	26-Feb-22	09:29	24.3	94.5	10.1
S [%]	25-Feb-22	17:37	26-Feb-22	09:28	0.173	0.114	0.252
Acid Leachable SO4-S [%]	26-Feb-22	09:28	26-Feb-22	09:28	0.12	0.04	0.05
Sulphide [%]	25-Feb-22	20:58	26-Feb-22	09:28	0.05	0.07	0.20
C [%]	25-Feb-22	17:37	26-Feb-22	09:28	0.540	2.57	0.862
CO3 (HCl) [%]	26-Feb-22	07:06	26-Feb-22	09:35	2.47	12.7	4.24

Analysis	8:	9:	10:	11:
	CAMLC13178 3 DP2-300-1649 Ks	CAMLC15263 DP1-325-1319	CAMLC13179 DP1-475-1120	CAMLC31380 DP1-475-112
Sample Date & Time	08-Feb-22	08-Feb-22	08-Feb-22	08-Feb-22
Paste pH [no unit]	8.62	8.84	9.06	9.16

Online LIMS

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**Project :** PO#1124452

**LR Report :** CA15158-FEB22

Analysis	8:	9:	10:	11:
	<b>CAMLC13178</b>	<b>CAMLC15263</b>	<b>CAMLC13179</b>	<b>CAMLC31380</b>
	<b>3 DP2-300-1649</b>	<b>DP1-325-1319</b>	<b>DP1-475-1120</b>	<b>DP1-475-112</b>
	<b>Ks</b>			
Fizz Rate [no unit]	3	3	3	3
Sample weight [g]	2.00	1.99	2.00	2.00
HCl_add [mL]	57.00	45.00	47.00	35.00
HCl [Normality]	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28.87	33.49	32.05	20.37
Final pH [no unit]	1.81	1.55	1.56	1.84
NP [t CaCO3/1000 t]	70.3	28.9	37.4	36.6
AP [t CaCO3/1000 t]	2.19	2.19	5.62	6.88
Net NP [t CaCO3/1000 t]	68.1	26.7	31.8	29.7
NP/AP [ratio]	32.1	13.2	6.65	5.32
S [%]	0.079	0.160	0.254	0.298
Acid Leachable SO4-S [%]	< 0.04	0.09	0.07	0.08
Sulphide [%]	0.07	0.07	0.18	0.22
C [%]	1.01	0.403	0.520	0.497
CO3 (HCl) [%]	4.97	1.94	2.41	2.36

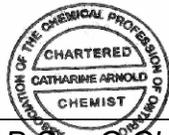
\*NP (Neutralization Potential)  
 = 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)  
 -----  
 Weight of Sample

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

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

NP/AP Ratio = NP/AP

\*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material  
 Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

*Catharine Arnold*  
  
**Catharine Arnold, B.Sc., C.Chem**  
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mel

**Project :** PO#OL-999004

24-February-2022

**Agnico Eagle Mines Limited**

Attn : Randy Schwandt/Brett Fairbairn

**Date Rec. :** 08 February 2022  
**LR Report:** CA15159-FEB22

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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: CAMLC131774 DP1-250-148 KSC-WA	6: CAMLC131775 DP0-400-111 MV	7: CAMLC131782 DP2-300-163 Ks	8: CAMLC131783 DP2-300-164 Ks	9: CAMLC152639 DP1-325-131
Sample Date & Time					08-Feb-22	08-Feb-22	08-Feb-22	08-Feb-22	08-Feb-22
Ag [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	95000	73000	81000	73000	89000
As [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	310	6.3	4400	24	130
Ba [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	650	57	520	470	550
Be [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	2	0.31	2	1	1
Bi [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	0.18	< 0.09	0.17	< 0.09	0.17
Ca [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	11000	82000	16000	25000	9300
Cd [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	0.06	0.09	0.12	0.07	0.05
Co [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	27	53	21	10	27
Cr [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	90	97	140	30	82
Cu [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	56	130	20	20	44
Fe [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	60000	69000	66000	57000	60000
K [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	24000	2200	19000	12000	20000
Li [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	38	55	29	26	43
Mg [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	16000	20000	15000	8800	16000
Mn [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	290	2300	420	350	270
Mo [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	1.4	0.5	1.3	1.4	1.1
Na [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	19000	22000	20000	28000	17000
Ni [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	92	150	69	23	85
P [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	660	220	490	380	610
Pb [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	7	3	13	8	8
Sb [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	< 0.8	< 0.8	1.7	< 0.8	< 0.8
Se [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	210	110	210	320	210
Ti [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	4100	3700	3300	2200	3500
Tl [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	0.56	0.10	0.46	0.25	0.49
U [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	1.78	0.048	1.59	0.68	1.77
V [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	130	240	120	41	110
Y [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	8.92	11.9	7.37	6.70	10.8
Zn [µg/g]	16-Feb-22	21:32	17-Feb-22	12:36	89	96	82	62	93

Analysis	10:	11:
	CAMLC131799 DP1-475-112	CAMLC313800 DP1-475-112
Sample Date & Time	08-Feb-22	08-Feb-22
Ag [µg/g]	< 0.5	< 0.5
Al [µg/g]	85000	76000
As [µg/g]	6.9	5.2
Ba [µg/g]	500	410
Be [µg/g]	1	0.95
Bi [µg/g]	0.15	0.14
Ca [µg/g]	13000	13000
Cd [µg/g]	0.04	0.04
Co [µg/g]	24	21
Cr [µg/g]	93	97
Cu [µg/g]	43	29
Fe [µg/g]	42000	34000
K [µg/g]	21000	16000
Li [µg/g]	33	24
Mg [µg/g]	12000	9000
Mn [µg/g]	200	170
Mo [µg/g]	2.6	2.4
Na [µg/g]	22000	27000
Ni [µg/g]	72	60
P [µg/g]	490	480
Pb [µg/g]	9	7
Sb [µg/g]	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6
Sr [µg/g]	240	240
Ti [µg/g]	2900	2200
Tl [µg/g]	0.56	0.45
U [µg/g]	1.74	1.66
V [µg/g]	89	72
Y [µg/g]	7.28	6.04
Zn [µg/g]	65	51

*Catharine Arnold*  
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 Project Specialist,  
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### Agnico Eagle Mines Limited

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Project : PO#OL-999004

25-February-2022

Date Rec. : 08 February 2022

LR Report: CA15160-FEB22

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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: CAMLC13177 DP1-250-1485 KSC-WA	6: CAMLC13177 DP0-400-1112 MV	7: CAMLC13178 DP2-300-1633 Ks	8: CAMLC13178 DP2-300-1649 Ks	9: CAMLC15263 DP1-325-1319	10: CAMLC13179 DP1-475-112
Sample Date & Time					08-Feb-22	08-Feb-22	08-Feb-22	08-Feb-22	08-Feb-22	08-Feb-22
Sample weight [g]	15-Feb-22	09:30	16-Feb-22	09:00	250	250	250	250	250	250
Volume D.I. Water [mL]	15-Feb-22	09:30	16-Feb-22	09:00	750	750	750	750	750	750
Final pH [no unit]	15-Feb-22	09:30	16-Feb-22	09:00	8.86	8.75	8.51	8.55	8.90	8.90
pH [No unit]	17-Feb-22	15:32	22-Feb-22	11:20	8.10	7.86	8.10	8.07	8.01	7.98
Conductivity [uS/cm]	17-Feb-22	09:52	23-Feb-22	10:19	389	407	1620	1060	436	427
Alkalinity [mg/L as CaCO3]	17-Feb-22	15:32	22-Feb-22	11:20	60	39	63	43	49	47
SO4 [mg/L]	17-Feb-22	10:29	23-Feb-22	15:35	11	32	54	72	17	22
Hg [mg/L]	22-Feb-22	12:12	23-Feb-22	12:55	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.620	0.505	0.298	0.185	0.603	0.637
As [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.0383	0.0007	0.210	0.0042	0.0150	0.0029
Ba [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.00344	0.00133	0.0170	0.0156	0.00324	0.00512
B [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.079	0.032	0.159	0.162	0.064	0.054
Be [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001

OnLine LIMS

0002810745



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**Project :** PO#OL-999004

**LR Report :** CA15160-FEB22

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC13177 DP1-250-1485 KSC-WA	6: CAMLC13177 DP0-400-1112 MV	7: CAMLC13178 DP2-300-1633 Ks	8: CAMLC13178 DP2-300-1649 Ks	9: CAMLC15263 DP1-325-1319	10: CAMLC13179 DP1-475-112
Ca [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	14.1	20.1	37.7	38.9	14.4	14.0
Cd [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.000089	0.000015	0.000304	0.000190	0.000049	0.000107
Cr [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.00008	< 0.00008	0.00015	0.00011	< 0.00008	0.00093
Cu [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	17.4	3.47	25.9	15.2	15.9	17.6
Li [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.0009	0.0019	0.0028	0.0028	0.0009	0.0012
Mg [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	3.25	3.25	14.5	9.60	3.18	3.05
Mn [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.00069	0.00742	0.00491	0.00414	0.00070	0.00073
Mo [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.00062	0.00046	0.00175	0.00182	0.00062	0.00067
Na [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	36.9	45.2	199	126	47.5	44.7
Ni [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.0001	< 0.0001	0.0004	0.0003	0.0001	0.0005
Pb [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.0038	< 0.0009	0.0028	0.0034	0.0019	0.0027
Se [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.00006	< 0.00004	0.00013	0.00010	0.00011	0.00010
Si [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	1.21	1.12	1.51	2.12	1.24	1.37
Sn [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.0694	0.106	0.374	0.346	0.0849	0.0916
Ti [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.00005	< 0.00005	0.00006	< 0.00005	0.00006	0.00008
Tl [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.000010	0.000006	0.000016	0.000012	0.000006	0.000022
U [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.000026	0.000005	0.000080	0.000117	0.000015	0.000077
W [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.00146	0.00053	0.00158	0.00164	0.00079	0.00128
Y [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
V [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	0.00118	0.00075	0.00068	0.00049	0.00089	0.00148
Zn [mg/L]	18-Feb-22	14:06	25-Feb-22	12:33	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



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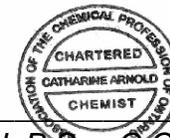
**Project :** PO#OL-999004

**LR Report :** CA15160-FEB22

<b>Analysis</b>	<b>11: CAMLC31380 0 DP1-475-1120</b>	<b>12: CAMLC31380 DP1-475-112</b>	<b>13:BLK: \$D.I. Leachate Blank</b>
Sample Date & Time	08-Feb-22		
Sample weight [g]	250	250	---
Volume D.I. Water [mL]	750	750	750
Final pH [no unit]	8.88	8.90	5.77
pH [No unit]	8.13	8.15	5.35
Conductivity [uS/cm]	316	302	3
Alkalinity [mg/L as CaCO3]	50	48	< 2
SO4 [mg/L]	18	17	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.626	0.612	0.001
As [mg/L]	0.0026	0.0027	0.0033
Ba [mg/L]	0.00678	0.00578	0.00008
B [mg/L]	0.050	0.045	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	0.00002	< 0.00001
Ca [mg/L]	11.3	11.0	0.02
Cd [mg/L]	< 0.000003	0.000010	< 0.000003
Co [mg/L]	0.000049	0.000063	< 0.000004
Cr [mg/L]	< 0.00008	0.00013	0.00012
Cu [mg/L]	< 0.0002	0.0004	0.0002
Fe [mg/L]	< 0.007	0.074	< 0.007
K [mg/L]	13.6	13.0	0.426
Li [mg/L]	0.0016	0.0014	< 0.0001
Mg [mg/L]	2.63	2.37	0.007
Mn [mg/L]	0.00104	0.00128	0.00022
Mo [mg/L]	0.00062	0.00548	0.00017
Na [mg/L]	31.2	28.7	< 0.01

Analysis	11: CAMLC31380 0 DP1-475-1120	12: CAMLC31380 DP1-475-112	13:BLK: \$D.I. Leachate Blank
Ni [mg/L]	< 0.0001	0.0002	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	0.00010
Sb [mg/L]	0.0039	0.0041	< 0.0009
Se [mg/L]	0.00009	0.00009	< 0.00004
Si [mg/L]	1.73	1.62	< 0.02
Sn [mg/L]	< 0.00006	0.00057	< 0.00006
Sr [mg/L]	0.0968	0.0901	0.00021
Ti [mg/L]	0.00006	0.00007	< 0.00005
Tl [mg/L]	0.000019	0.000013	< 0.000005
U [mg/L]	0.000229	0.000240	< 0.000002
W [mg/L]	0.00127	0.00143	< 0.00002
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002
V [mg/L]	0.00208	0.00226	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002

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11-March-2021

Date Rec. : 24 February 2021

LR Report: CA15366-FEB21

Reference: P.O# OL-999004

Copy: #1

# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC126241- DP1-325-173-2 MV	6: CAMLC126242- DP1-325-173-2 MV	7: CAMLC126243- DP1-375-162-9 KSC-WA	8: CAMLC126244- DP1-375-162-9 KSC-WA	9: CAMLC126245- DP1-450-123-1 MV	10: CAMLC126246- DP1-450-123-1 MV	11: CAMLC129927- DP1-450-123-1 MV
Sample Date & Time					06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21
Paste pH [no unit]	03-Mar-21	09:10	04-Mar-21	15:34	8.41	8.40	8.69	8.93	8.69	8.51	8.59
Fizz Rate [no unit]	03-Mar-21	09:10	04-Mar-21	15:34	3	3	3	3	3	3	3
Sample weight [g]	03-Mar-21	09:10	04-Mar-21	15:34	2.07	2.03	2.03	2.06	2.11	2.08	2.03
HCl_add [mL]	04-Mar-21	07:10	04-Mar-21	15:34	165.80	158.50	28.80	31.50	119.50	120.00	126.30
HCl [Normality]	03-Mar-21	09:10	04-Mar-21	15:34	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	03-Mar-21	09:10	04-Mar-21	15:34	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	04-Mar-21	09:05	04-Mar-21	15:34	82.38	59.71	16.35	16.76	42.66	25.97	44.27
Final pH [no unit]	04-Mar-21	09:05	04-Mar-21	15:34	1.63	1.68	1.58	1.66	1.59	1.93	1.63
NP [t CaCO3/1000 t]	04-Mar-21	09:05	04-Mar-21	15:34	202	243	30.7	35.8	182	226	202
AP [t CaCO3/1000 t]	11-Mar-21	13:17	11-Mar-21	13:17	7.81	6.88	2.50	4.06	3.44	2.19	1.88
Net NP [t CaCO3/1000 t]	11-Mar-21	13:17	11-Mar-21	13:17	194	236	28.2	31.7	179	224	200
NP/AP [ratio]	11-Mar-21	13:17	11-Mar-21	13:17	25.8	35.4	12.3	8.81	53.0	103	108
S [%]	11-Mar-21	13:17	11-Mar-21	13:17	0.341	0.284	0.174	0.259	0.156	0.111	0.107
Acid Leachable SO4-S [%]	11-Mar-21	13:17	11-Mar-21	13:17	0.09	0.06	0.09	0.13	0.05	0.04	0.05
Sulphide [%]	11-Mar-21	09:47	11-Mar-21	13:17	0.25	0.22	0.08	0.13	0.11	0.07	0.06
C [%]	08-Mar-21	07:31	10-Mar-21	10:52	2.96	3.25	0.418	0.508	2.12	2.72	2.48
CO3 [%]	10-Mar-21	07:43	10-Mar-21	10:52	12.6	14.9	1.63	2.03	9.67	12.7	11.5

\*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

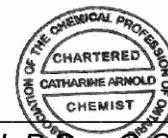
NP/AP Ratio = NP/AP

\*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	Description	SGS Method Code	Reference Method Code
Acid Leachable SO4-S	Acid Leachable SO4 by ECS	ME-CA-[ENV]JARD-LAK-AN-020	ASTM E1915-07A
AP	ABA	ME-CA-[ENV]JARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Carbon (total)	Total Carbon by ECS	ME-CA-[ENV]JARD-LAK-AN-019	ASTM E1915-07A
Carbonate	Carbonate by ECS	ME-CA-[ENV]JARD-LAK-AN-019	ASTM E1915-07A
Final pH	Final pH - Glass Electrode	NA	
Fizz Rate	Fizz test rating 1-4	NA	MEND PROJECT 1.16.1B
HCl	ABA	NA	
HCl Added	HCl volume added @ 6 Hr. check.		
NaOH	Normality of NaOH used for ABA Titration	NA	
NaOH to pH=8.3	NaOH to pH=8.3 for back titration curve	NA	
Net NP	ABA	ME-CA-[ENV]JARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
NP	ABA	ME-CA-[ENV]JARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
NP/AP	ABA	ME-CA-[ENV]JARD-LAK-AN-001/003	MEND PROJECT 1.16.1B
Paste pH	10g sample/20mL D.I.	ME-CA-[ENV]JARD-LAK-AN-005	ARD Prediction Manual, 2009
Sample weight	Weight of Sample used.	NA	Sample weight
Sulphide	Sulphide-S by ECS	ME-CA-[ENV]JARD-LAK-AN-020	ASTM E1915-07A
Sulphur (total)	Total Sulphur by ECS	ME-CA-[ENV]JARD-LAK-AN-019	ASTM E1915-07A

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10-March-2021

Date Rec. : 24 February 2021

LR Report: CA15367-FEB21

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# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC126241- DP1-325-173-2 MV	6: CAMLC126242- DP1-325-173-2 MV	7: CAMLC126243- DP1-375-162-9 KSC-WA	8: CAMLC126244- DP1-375-162-9 KSC-WA	9: CAMLC126245- DP1-450-123-1 MV	10: CAMLC126246- DP1-450-123-1 MV	11: CAMLC129927- DP1-450-123-1 MV
Sample Date & Time					06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21
Ag [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Al [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	67000	63000	66000	62000	64000	61000	64000
As [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	150	140	730	1100	7.5	13	9.6
Ba [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	120	250	620	560	21	63	24
Be [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	0.36	0.36	1.5	1.4	0.32	0.34	0.28
Bi [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	< 0.09	< 0.09	0.30	0.27	< 0.09	< 0.09	< 0.09
Ca [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	65000	79000	6300	7100	70000	82000	75000
Cd [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	0.14	0.15	0.10	0.12	0.13	0.09	0.10
Co [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	55	37	25	23	48	47	48
Cr [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	120	96	120	100	130	120	130
Cu [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	95	63	56	50	130	120	120
Fe [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	71000	59000	47000	48000	65000	61000	61000
K [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	6100	11000	24000	20000	1800	4500	1900
Li [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	38	32	28	25	53	48	45
Mg [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	17000	14000	15000	14000	23000	19000	19000
Mn [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	1700	1700	280	320	1600	1900	2000

Online LIMS

0002426237

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC126241- DP1-325-173-2 MV	6: CAMLC126242- DP1-325-173-2 MV	7: CAMLC126243- DP1-375-162-9 KSC-WA	8: CAMLC126244- DP1-375-162-9 KSC-WA	9: CAMLC126245- DP1-450-123-1 MV	10: CAMLC126246- DP1-450-123-1 MV	11: CAMLC129927- DP1-450-123-1 MV
Mo [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	< 0.1	0.1	1.4	1.1	< 0.1	< 0.1	< 0.1
Na [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	18000	12000	19000	18000	13000	13000	19000
Ni [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	110	91	82	70	120	130	140
P [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	250	220	450	420	200	170	170
Pb [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	9	9	19	13	3	4	3
Sb [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	< 0.8	< 0.8	< 0.8	< 0.8	0.9	< 0.8	< 0.8
Se [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	91	83	140	140	120	93	94
Ti [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	4900	4700	3900	3500	3500	3800	3900
Tl [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	0.28	0.52	0.50	0.49	0.07	0.17	0.07
U [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	0.096	0.058	1.72	1.46	0.034	0.017	0.018
V [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	260	250	140	130	240	240	240
Y [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	5.95	7.42	4.93	4.71	15.5	13.9	13.3
Zn [µg/g]	09-Mar-21	14:00	10-Mar-21	10:59	110	87	79	75	80	77	77

Chromium may not recover completely depending on sample matrix.

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17-March-2021

Date Rec. : 24 February 2021

LR Report: CA15368-FEB21

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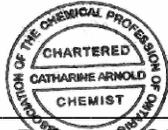
# CERTIFICATE OF ANALYSIS Final Report

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Sample Date & Time					06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21	06-Feb-21
Sample weight [g]	08-Mar-21	10:30	09-Mar-21	10:07	250	250	250	250	250	250	250
Volume D.I. Water [mL]	08-Mar-21	10:30	09-Mar-21	10:07	750	750	750	750	750	750	750
Final pH [no unit]	09-Mar-21	09:04	09-Mar-21	10:07	8.66	8.62	8.93	9.07	8.90	8.78	8.88
pH [No unit]	09-Mar-21	15:08	10-Mar-21	12:53	8.37	8.40	8.08	8.41	8.52	8.34	8.73
Conductivity [uS/cm]	09-Mar-21	15:08	10-Mar-21	12:53	190	291	600	292	326	380	285
Alkalinity [mg/L as CaCO3]	09-Mar-21	15:08	10-Mar-21	12:53	85	85	50	52	45	44	123
SO4 [mg/L]	16-Mar-21	11:43	16-Mar-21	22:13	< 2	2	9	5	4	5	3
Hg [mg/L]	10-Mar-21	14:14	11-Mar-21	08:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.545	0.450	0.547	0.736	0.602	0.568	0.519
As [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.0437	0.0243	0.164	0.230	0.0012	0.0011	0.0009
Ba [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.00111	0.00125	0.00486	0.00266	0.00115	0.00159	0.00057
B [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.095	0.327	0.225	0.060	0.093	0.100	0.053
Be [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Ca [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	14.1	14.9	15.7	9.71	15.0	17.1	13.2
Cd [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003
Co [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.000118	0.000151	0.000172	0.000031	0.000071	0.00150	< 0.000004
Cr [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008

Online LIMS

0002432704

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC126241- DP1-325-173-2 MV	6: CAMLC126242- DP1-325-173-2 MV	7: CAMLC126243- DP1-375-162-9 KSC-WA	8: CAMLC126244- DP1-375-162-9 KSC-WA	9: CAMLC126245- DP1-450-123-1 MV	10: CAMLC126246- DP1-450-123-1 MV	11: CAMLC129927- DP1-450-123-1 MV
Cu [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.008	< 0.007	< 0.007	< 0.007	0.017	< 0.007	< 0.007
K [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	6.38	8.59	26.1	18.9	3.34	6.86	2.90
Li [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.0038	0.0047	0.0010	0.0007	0.0016	0.0020	0.0016
Mn [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.00536	0.00583	0.00084	0.00053	0.00289	0.00433	0.00373
Mg [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	5.81	6.38	4.38	2.15	2.52	2.98	2.97
Mo [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.00045	0.00033	0.00266	0.00165	0.00030	0.00468	0.00045
Na [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	13.8	23.8	69.2	33.3	33.2	39.3	30.0
Ni [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.0006	0.0005	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
P [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Pb [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.00002	< 0.00001	0.00003	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Sb [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.0044	0.0040	0.0037	0.0026	0.0012	0.0018	0.0016
Se [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.00010	0.00015	0.00012	0.00010	0.00007	0.00005	0.00005
Si [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	1.03	1.02	1.52	1.37	0.93	0.91	1.02
Sn [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00008	< 0.00006	< 0.00006
Sr [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.0231	0.0339	0.0860	0.0437	0.0738	0.0655	0.0409
Ti [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.00005	< 0.00005	0.00007	0.00010	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.000005	0.000007	0.000021	< 0.000005	0.000006	0.000025	< 0.000005
U [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.000013	0.000060	0.000029	0.000022	< 0.000002	0.000021	0.000002
V [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	0.00083	0.00062	0.00168	0.00205	0.00073	0.00061	0.00082
Zn [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	11-Mar-21	14:53	12-Mar-21	13:59	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



mel

**SGS Canada Inc.**

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

26-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 23 April 2021  
**LR Report:** CA15401-APR21  
**Reference:** P.O# 770080

Meliadine  
, Nunavut  
X0C 0A0, Canada

**Copy:** #1

Phone: (819) 759-3555  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	CAML-C13116 CAML-C13116 1-FW0-400-W-MV	CAML-C13116 CAML-C13116 2-DP1-300-17 2-MV	CAML-C13116 CAML-C13116 3-DP1-275-17 1-KSC-WA
Sample Date & Time					22-Mar-21	22-Mar-21	22-Mar-21
Paste pH [no unit]	27-Apr-21	14:05	29-Apr-21	09:07	8.72	8.38	8.76
Fizz Rate [no unit]	27-Apr-21	14:05	29-Apr-21	09:07	3	3	3
Sample weight [g]	27-Apr-21	14:05	29-Apr-21	09:07	2.08	2.06	2.08
HCl_add [mL]	28-Apr-21	12:08	29-Apr-21	09:07	140.00	158.60	46.50
HCl [Normality]	27-Apr-21	14:05	29-Apr-21	09:07	0.10	0.10	0.10
NaOH [Normality]	27-Apr-21	14:05	29-Apr-21	09:07	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	28-Apr-21	14:08	29-Apr-21	09:07	35.06	67.32	25.70
Final pH [no unit]	28-Apr-21	14:08	29-Apr-21	09:07	1.73	1.56	1.63
NP [t CaCO3/1000 t]	28-Apr-21	14:08	29-Apr-21	09:07	252	222	50.0
AP [t CaCO3/1000 t]	06-May-21	16:00	06-May-21	16:01	1.56	13.4	4.38
Net NP [t CaCO3/1000 t]	06-May-21	16:00	06-May-21	16:01	251	208	45.6
NP/AP [ratio]	06-May-21	16:00	06-May-21	16:01	161	16.5	11.4
S [%]	04-May-21	09:23	06-May-21	16:00	0.104	0.548	0.236
Acid Leachable SO4-S [%]	06-May-21	02:23	06-May-21	16:00	0.05	0.12	0.10
Sulphide [%]	06-May-21	02:23	06-May-21	16:00	0.05	0.43	0.14
C [%]	04-May-21	09:23	06-May-21	15:45	3.04	2.92	0.666
CO3 [%]	21-May-21	07:41	21-May-21	14:18	15.2	14.6	3.36

Analysis	8:	9:	10:	11:
	CAML-C13116 CAML-C13116 9-LW0-400-11 9-1000-KS	CAML-C13131 CAML-C13131 8-CC1-300-17 2-SKSC-WA	CAML-C13131 CAML-C13131 9CC1-300-172 -KSC-WA-DU P	CAML-C13132 CAML-C13132 0-DP1-250-15 4-KWA-S
Sample Date & Time	23-Mar-21	29-Mar-21	29-Mar-21	29-Mar-21
Paste pH [no unit]	8.64	8.37	8.52	8.93
Fizz Rate [no unit]	3	3	3	3

Online LIMS

0002507122

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LR Report : CA15401-APR21

Analysis	8: CAML-C13116 9-LW0-400-11 9-1000-KS	9: CAML-C13131 8-CC1-300-17 2-SKSC-WA	10: CAML-C13131 9CC1-300-172 -KSC-WA-DU P	11: CAML-C13132 0-DP1-250-15 4-KWA-S
Sample weight [g]	1.95	1.96	1.96	1.96
HCl_add [mL]	50.00	39.30	49.20	36.40
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]	23.18	23.05	26.98	18.13
Final pH [no unit]	1.83	1.64	1.65	1.84
NP [t CaCO3/1000 t]	68.8	41.4	56.7	46.6
AP [t CaCO3/1000 t]	12.5	4.38	3.12	2.19
Net NP [t CaCO3/1000 t]	56.3	37.0	53.6	44.4
NP/AP [ratio]	5.50	9.46	18.1	21.3
S [%]	0.668	0.275	0.220	0.272
Acid Leachable SO4-S [%]	0.27	0.14	0.12	0.20
Sulphide [%]	0.40	0.14	0.10	0.07
C [%]	0.990	0.640	0.846	0.678
CO3 [%]	4.95	2.98	4.17	3.41

\*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



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### Agnico Eagle Mines Limited

Attn : Dan Gorton/Sean Arruda

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13-May-2021

Date Rec. : 23 April 2021  
LR Report: CA15402-APR21  
Reference: P.O# 770080

Copy: #1

# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAML-C131161-FW0-400-W-MV	6: CAML-C131162-DP1-300-172-MDP1-275-171-KS V	7: CAML-C131163-275-171-KS C-WA	8: CAML-C131169-LW0-400-119-10CC1-300-172-SK00-KS	9: CAML-C131318-SC-WA	10: CAML-C131319-C-WA-DUP	11: CAML-C131320-DP1-250-154-K WA-S
Sample Date & Time					22-Mar-21	22-Mar-21	22-Mar-21	23-Mar-21	29-Mar-21	29-Mar-21	29-Mar-21
Ag [µg/g]	10-May-21	17:07	13-May-21	12:43	< 0.5	0.9	< 0.5	0.7	< 0.5	< 0.5	< 0.5
Al [µg/g]	10-May-21	17:07	13-May-21	12:43	76000	78000	90000	88000	100000	92000	80000
As [µg/g]	10-May-21	17:07	13-May-21	12:43	6.8	130	2200	670	690	1400	93
Ba [µg/g]	10-May-21	17:07	13-May-21	12:43	210	120	560	1900	570	630	860
Be [µg/g]	10-May-21	17:07	13-May-21	12:43	0.26	0.44	1.1	2.2	1.2	1.3	1.1
Bi [µg/g]	10-May-21	17:07	13-May-21	12:43	0.16	2.1	0.20	1.7	0.23	0.16	0.40
Ca [µg/g]	10-May-21	17:07	13-May-21	12:43	97000	76000	13000	19000	14000	16000	13000
Cd [µg/g]	10-May-21	17:07	13-May-21	12:43	0.13	0.18	0.12	0.18	0.14	0.15	0.09
Co [µg/g]	10-May-21	17:07	13-May-21	12:43	48	51	20	15	20	19	18
Cr [µg/g]	10-May-21	17:07	13-May-21	12:43	190	160	120	95	110	110	120
Cu [µg/g]	10-May-21	17:07	13-May-21	12:43	100	160	46	46	36	33	46
Fe [µg/g]	10-May-21	17:07	13-May-21	12:43	69000	76000	53000	51000	52000	51000	33000
K [µg/g]	10-May-21	17:07	13-May-21	12:43	5300	4800	20000	24000	20000	24000	20000
Li [µg/g]	10-May-21	17:07	13-May-21	12:43	52	49	29	29	25	27	22
Mg [µg/g]	10-May-21	17:07	13-May-21	12:43	24000	21000	14000	12000	13000	14000	11000
Mn [µg/g]	10-May-21	17:07	13-May-21	12:43	1900	2400	350	350	300	360	340
Mo [µg/g]	10-May-21	17:07	13-May-21	12:43	0.2	0.6	1.3	3.1	1.5	1.4	1.2
Na [µg/g]	10-May-21	17:07	13-May-21	12:43	12000	13000	22000	15000	18000	15000	23000
Ni [µg/g]	10-May-21	17:07	13-May-21	12:43	130	100	63	51	58	62	57

OnLine LIMS

0002494907

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAML-C131161-FW0-400-W-MV	6: CAML-C131162-DP1-300-172-MDP1-275-171-KSLW0-400-119-10CC1-300-172-SKCC1-300-172-KS	7: CAML-C131163-C-WA	8: CAML-C131169-00-KS	9: CAML-C131318-SC-WA	10: CAML-C131319-C-WA-DUP	11: CAML-C131320-DP1-250-154-KWA-S
P [µg/g]	10-May-21	17:07	13-May-21	12:43	190	260	460	680	430	400	370
Pb [µg/g]	10-May-21	17:07	13-May-21	12:43	2.7	34	9.5	300	22	20	42
Sb [µg/g]	10-May-21	17:07	13-May-21	12:43	< 0.8	< 0.8	< 0.8	1.4	< 0.8	< 0.8	< 0.8
Se [µg/g]	10-May-21	17:07	13-May-21	12:43	< 0.7	0.8	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	10-May-21	17:07	13-May-21	12:43	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	10-May-21	17:07	13-May-21	12:43	93	130	210	300	200	200	300
Ti [µg/g]	10-May-21	17:07	13-May-21	12:43	3200	4200	3400	3300	3100	3400	2800
Tl [µg/g]	10-May-21	17:07	13-May-21	12:43	0.22	0.24	0.39	0.75	0.54	0.58	0.47
U [µg/g]	10-May-21	17:07	13-May-21	12:43	0.08	0.15	1.46	1.82	1.47	1.59	1.59
V [µg/g]	10-May-21	17:07	13-May-21	12:43	230	230	110	100	98	110	81
Y [µg/g]	10-May-21	17:07	13-May-21	12:43	12.7	5.9	6.9	10.1	8.6	7.6	5.8
Zn [µg/g]	10-May-21	17:07	13-May-21	12:43	86	110	71	70	82	80	65

Chromi um may not recover compl etel y dependi ng on sampl e matri x.

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



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**SGS Canada Inc.**

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20-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 23 April 2021  
**LR Report:** CA15403-APR21  
**Reference:** P.O# 770080

Meliadine  
, Nunavut  
X0C 0A0, Canada

**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 Approval Date	4: Analysis Approval Time	5: CAML-C131161-FW0-400-W-MV	6: CAML-C131162-DP1-300-172-MDP1-275-171-KS V	7: CAML-C131163-C-WA	8: CAML-C131169-00-KS	9: CAML-C131318-SC-WA
Sample Date & Time					22-Mar-21	22-Mar-21	22-Mar-21	23-Mar-21	29-Mar-21
Sample weight [g]	06-May-21	08:54	07-May-21	10:47	250	250	250	250	250
Volume D.I. Water [mL]	06-May-21	08:54	07-May-21	10:47	750	750	750	750	750
Final pH [no unit]	07-May-21	07:06	07-May-21	10:47	8.96	8.64	9.13	8.90	8.73
pH [No unit]	07-May-21	15:25	10-May-21	16:21	7.93	8.16	8.09	8.20	8.18
Conductivity [uS/cm]	07-May-21	15:25	10-May-21	16:21	269	428	327	554	1090
Alkalinity [mg/L as CaCO3]	07-May-21	15:25	10-May-21	16:21	39	71	50	55	51
SO4 [mg/L]	12-May-21	10:15	12-May-21	13:34	6	9	8	14	38
Hg [mg/L]	10-May-21	17:28	11-May-21	10:35	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	11-May-21	15:04	14-May-21	09:26	0.765	0.407	0.690	0.656	0.332
As [mg/L]	11-May-21	15:04	14-May-21	09:26	0.0008	0.0129	0.175	0.0207	0.0441
Ba [mg/L]	11-May-21	15:04	14-May-21	09:26	0.00262	0.00184	0.00646	0.01736	0.01083
B [mg/L]	11-May-21	15:04	14-May-21	09:26	0.038	0.070	0.037	0.183	0.235
Be [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	11-May-21	15:04	14-May-21	09:26	0.000079	0.000085	0.000053	0.000026	0.000040
Ca [mg/L]	11-May-21	15:04	14-May-21	09:26	13.9	18.6	12.2	16.7	30.6
Cd [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.000003	< 0.000003	< 0.000003	0.000006	< 0.000003
Co [mg/L]	11-May-21	15:04	14-May-21	09:26	0.000038	0.000097	0.000058	0.000251	0.000306
Cr [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00010
Cu [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.0002	< 0.0002	< 0.0002	0.0002	< 0.0002
Fe [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	11-May-21	15:04	14-May-21	09:26	6.43	6.88	18.3	24.1	25.3
Li [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.0001	0.0009	< 0.0001	0.0008	0.0010
Mn [mg/L]	11-May-21	15:04	14-May-21	09:26	0.00317	0.00828	0.00044	0.00129	0.00275
Mg [mg/L]	11-May-21	15:04	14-May-21	09:26	2.01	8.14	2.64	4.94	11.5
Mo [mg/L]	11-May-21	15:04	14-May-21	09:26	0.00044	0.00034	0.00059	0.00315	0.00187
Na [mg/L]	11-May-21	15:04	14-May-21	09:26	29.2	46.2	35.0	62.3	127
Ni [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.0001	0.0003	0.0001	0.0001	0.0005
P [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.003	0.004	< 0.003	0.004	< 0.003
Pb [mg/L]	11-May-21	15:04	14-May-21	09:26	0.00003	0.00004	0.00003	0.00031	0.00005
Sb [mg/L]	11-May-21	15:04	14-May-21	09:26	< 0.0009	0.0021	0.0027	0.0131	0.0027
Se [mg/L]	11-May-21	15:04	14-May-21	09:26	0.00005	0.00014	0.00013	0.00039	0.00034
Si [mg/L]	11-May-21	15:04	14-May-21	09:26	0.75	0.81	1.22	1.09	1.38

Online LIMS

0002501231



**SGS Canada Inc.**

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LR Report : CA15403-APR21

Analysis	10: CAML-C131319 CC1-300-172-KS C-WA-DUP	11: CAML-C131320 DP1-250-154-K WA-S	12: CAML-C131320-\$D.I. DP1-250-154-K WA-S	13:BLK: Leachate Blank
U [mg/L]	0.000054	0.000052	0.000052	---
V [mg/L]	0.00085	0.00225	0.00231	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

*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 : Dan Gorton/Sean Arruda

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16-March-2021

**Date Rec. :** 26 February 2021

**LR Report:** CA15443-FEB21

**Reference:** P.O# 770080

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC12922 0-FW1-200-E- MV	6: CAMLC12922 0-DP1-275-16 9-Ks	7: CAMLC12922 0-FW1-400-E 2-Ks
Sample Date & Time					22-Feb-21	22-Feb-21	22-Feb-21
Paste pH [no unit]	03-Mar-21	09:10	04-Mar-21	15:36	8.61	8.98	8.43
Fizz Rate [no unit]	03-Mar-21	09:10	04-Mar-21	15:36	3	3	3
Sample weight [g]	03-Mar-21	09:10	04-Mar-21	15:36	2.15	2.10	2.06
HCl_add [mL]	04-Mar-21	07:10	04-Mar-21	15:36	120.00	41.90	135.00
HCl [Normality]	03-Mar-21	09:10	04-Mar-21	15:36	0.10	0.10	0.10
NaOH [Normality]	03-Mar-21	09:10	04-Mar-21	15:36	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	04-Mar-21	09:05	04-Mar-21	15:36	32.71	22.99	56.23
Final pH [no unit]	04-Mar-21	09:05	04-Mar-21	15:36	1.76	1.55	1.57
NP [t CaCO3/1000 t]	04-Mar-21	09:05	04-Mar-21	15:36	203	45.0	191
AP [t CaCO3/1000 t]	16-Mar-21	13:50	16-Mar-21	13:51	6.88	1.56	28.1
Net NP [t CaCO3/1000 t]	16-Mar-21	13:50	16-Mar-21	13:51	196	43.4	163
NP/AP [ratio]	16-Mar-21	13:50	16-Mar-21	13:51	29.5	28.8	6.80
S [%]	08-Mar-21	07:31	16-Mar-21	13:50	0.322	0.085	0.910
Acid Leachable SO4-S [%]	11-Mar-21	13:18	16-Mar-21	13:50	0.10	< 0.04	< 0.04
Sulphide [%]	11-Mar-21	09:47	16-Mar-21	13:50	0.22	0.05	0.90

OnLine LIMS

0002431980

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: CAMLC12922 0-FW1-200-E- MV	6: CAMLC12922 0-DP1-275-16 9-Ks	7: CAMLC12922 0-FW1-400-E 2-Ks
C [%]	08-Mar-21	07:31	10-Mar-21	10:52	2.47	0.662	2.51
CO3 [%]	10-Mar-21	07:43	10-Mar-21	10:52	11.0	2.85	10.6

*Catharine Arnold*



**Catharine Arnold, B.Sc., C.Chem**  
 Project Specialist,  
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**SGS Canada Inc.**

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23-March-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 26 February 2021  
**LR Report:** CA15444-FEB21  
**Reference:** P.O# 770080

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

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC12922 0-FW1-200-E- MV	6: CAMLC12922 0-DP1-275-16 9-Ks	7: CAMLC12922 0-FW1-400-E 2-Ks
Sample Date & Time					22-Feb-21	22-Feb-21	22-Feb-21
Ag [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	< 1	< 1	< 1
Al [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	63000	19000	65000
As [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	13	24	190
Ba [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	66	120	380
Be [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	0.33	0.24	0.70
Bi [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	< 0.09	0.10	< 0.09
Ca [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	74000	11000	59000
Cd [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	0.19	0.04	0.08
Co [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	43	9	52
Cr [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	130	12	160
Cu [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	150	17	99
Fe [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	74000	44000	74000
K [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	2700	3800	5800
Li [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	65	22	33
Mg [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	27000	8600	23000
Mn [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	1600	230	1100
Mo [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	0.3	0.4	0.1
Na [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	13000	450	22000
Ni [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	120	20	110
P [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	170	310	250
Pb [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	5	4	9
Sb [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	< 0.8	< 0.8	1.1
Se [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	< 0.7	< 0.7	< 0.7
Sn [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	< 6	< 6	< 6
Sr [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	98	76	200
Ti [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	4100	330	4200
Tl [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	0.11	0.15	0.26

**SGS Canada Inc.**

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LR Report : CA15444-FEB21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC12922 0-FW1-200-E- MV	6: CAMLC12922 0-DP1-275-16 9-Ks	7: CAMLC12922 0-FW1-400-E 2-Ks
U [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	0.030	0.37	0.14
V [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	250	21	250
Y [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	13.1	3.05	16.0
Zn [µg/g]	09-Mar-21	14:00	23-Mar-21	12:41	130	49	130

*Catharine Arnold*  
  
**Catharine Arnold, B.Sc., C.Chem**  
 Project Specialist,  
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### Agnico Eagle Mines Limited

Attn : Dan Gorton/Sean Arruda

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, Nunavut  
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mel

19-March-2021

Date Rec. : 26 February 2021

LR Report: CA15445-FEB21

Reference: P.O# 770080

Copy: #1

## CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC12922 0-FW1-200-E- MV	6: CAMLC12922 0-DP1-275-16 9-Ks	7: CAMLC12922 0-FW1-400-E 2-Ks	8: CAMLC12922 0-FW1-400-E 2-Ks	9:BLK: \$D.I. Leachate Blank
Sample Date & Time					22-Feb-21	22-Feb-21	22-Feb-21		
Sample weight [g]	08-Mar-21	10:30	09-Mar-21	10:07	250	250	250	250	---
Volume D.I. Water [mL]	08-Mar-21	10:30	09-Mar-21	10:07	750	750	750	750	750
Final pH [no unit]	09-Mar-21	09:04	09-Mar-21	10:07	8.67	8.96	8.61	8.58	5.79
pH [No unit]	09-Mar-21	15:08	10-Mar-21	12:53	8.55	8.37	8.03	8.08	5.34
Conductivity [uS/cm]	09-Mar-21	15:08	10-Mar-21	12:53	618	219	524	437	< 2
Alkalinity [mg/L as CaCO3]	09-Mar-21	15:08	10-Mar-21	12:53	50	64	56	63	< 2
SO4 [mg/L]	18-Mar-21	12:10	18-Mar-21	14:29	8	5	15	9	< 2
Hg [mg/L]	10-Mar-21	14:14	11-Mar-21	08:53	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001
Ag [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	0.451	0.617	0.348	0.367	< 0.001
As [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	0.0015	0.0028	0.0119	0.0140	< 0.0002
Ba [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	0.0140	0.00528	0.0122	0.00977	0.00003
B [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	0.207	0.025	0.058	0.031	< 0.002
Be [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007

OnLine LIMS

0002436170



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LR Report : CA15445-FEB21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: CAMLC12922 0-FW1-200-E- MV	6: CAMLC12922 0-DP1-275-16 9-Ks	7: CAMLC12922 0-FW1-400-E 2-Ks	8: CAMLC12922 0-FW1-400-E 2-Ks	9:BLK: \$D.I. Leachate Blank
Ca [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	25.9	11.6	21.8	19.2	0.01
Cd [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	0.000051	0.000064	0.000103	0.000069	< 0.000004
Cr [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	8.19	15.7	9.30	9.37	0.352
Li [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	0.0019	0.0021	0.0010	0.0011	< 0.0001
Mn [mg/L]	11-Mar-21	14:53	12-Mar-21	14:00	0.00438	0.00068	0.00371	0.00360	0.00003
Mg [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	4.66	2.88	7.20	6.82	0.002
Mo [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	0.00052	0.00025	0.00057	0.00023	0.00008
Na [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	58.9	18.8	53.1	44.4	0.02
Ni [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	< 0.0001	< 0.0001	0.0002	0.0003	< 0.0001
P [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Pb [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Sb [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	0.0013	0.0012	< 0.0009	< 0.0009	< 0.0009
Se [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	0.00006	0.00006	0.00008	< 0.00004	< 0.00004
Si [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	1.02	1.32	0.95	0.92	< 0.02
Sn [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	0.460	0.0629	0.333	0.265	0.00005
Ti [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	0.000042	< 0.000005	0.000019	0.000015	< 0.000005
U [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	0.000004	0.000017	0.000002	0.000002	0.000005
V [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	0.00053	0.00033	0.00040	0.00039	< 0.00001
Zn [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	11-Mar-21	14:53	12-Mar-21	14:01	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



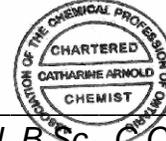
**SGS Canada Inc.**

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LR Report : CA15445-FEB21

*Catharine Arnold*



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17-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 27 April 2021  
**LR Report:** CA15456-APR21  
**Reference:** P.O# OL-999004

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 , Nunavut  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000119-TARDG-000120-TARDG-000121-TARDG-000122-TARDG-000123-T IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS	6: 06-KWA-S	7: 06-KWA-S	8: 06-KWA-WA	9: 06-KWA-WA
Sample Date & Time					26-Apr-21	26-Apr-21	26-Apr-21	27-Apr-21	27-Apr-21
Sample weight [g]	11-May-21	06:33	12-May-21	08:36	250	250	250	250	250
Volume D.I. Water [mL]	11-May-21	06:33	12-May-21	08:36	750	750	750	750	750
Final pH [no unit]	12-May-21	06:10	12-May-21	08:36	9.19	9.20	9.15	8.95	8.91
pH [No unit]	12-May-21	15:41	13-May-21	14:07	8.34	8.38	8.34	8.30	8.38
Conductivity [uS/cm]	12-May-21	15:41	13-May-21	14:07	185	228	261	239	235
Alkalinity [mg/L as CaCO3]	12-May-21	15:41	13-May-21	14:07	59	69	67	85	80
SO4 [mg/L]	13-May-21	09:14	13-May-21	15:06	5	8	11	5	4
Hg [mg/L]	12-May-21	14:42	13-May-21	10:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	13-May-21	11:35	17-May-21	13:48	0.952	0.648	0.665	0.422	0.588
As [mg/L]	13-May-21	11:35	17-May-21	13:48	0.0614	0.156	0.0172	0.0022	0.0156
Ba [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00324	0.00341	0.00544	0.00440	0.00409
B [mg/L]	13-May-21	11:35	17-May-21	13:48	0.017	0.020	0.025	0.016	0.018
Be [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	13-May-21	11:35	17-May-21	13:48	10.1	10.8	14.1	16.6	11.7
Cd [mg/L]	13-May-21	11:35	17-May-21	13:48	0.000006	0.000003	< 0.000003	0.000006	0.000004
Co [mg/L]	13-May-21	11:35	17-May-21	13:48	0.000029	0.000072	0.000018	0.000017	0.000020
Cr [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.0002	< 0.0002	0.0004	< 0.0002	< 0.0002
Fe [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	13-May-21	11:35	17-May-21	13:48	20.6	28.5	31.8	15.4	28.2
Li [mg/L]	13-May-21	11:35	17-May-21	13:48	0.0015	0.0016	0.0015	0.0037	0.0018
Mn [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00087	0.00107	0.00104	0.00257	0.00150
Mg [mg/L]	13-May-21	11:35	17-May-21	13:48	2.62	3.63	3.62	3.92	3.16
Mo [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00379	0.00545	0.00907	0.0114	0.00905
Na [mg/L]	13-May-21	11:35	17-May-21	13:48	12.5	15.6	16.1	21.4	17.6
Ni [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001
P [mg/L]	13-May-21	16:01	17-May-21	13:48	0.031	0.024	0.024	0.053	0.040
Pb [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	13-May-21	11:35	17-May-21	13:48	0.0057	0.0059	0.0051	0.0017	0.0026
Se [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00032	0.00033	0.00016	0.00004	0.00006
Si [mg/L]	13-May-21	11:35	17-May-21	13:48	1.51	1.80	1.42	1.40	1.53

**SGS Canada Inc.**

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**LR Report : CA15456-APR21**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000119-TARDG-000120-06-KWA-S	6: TARDG-000120-TARDG-000121-06-KWA-S	7: TARDG-000121-TARDG-000122-06-KWA-S	8: TARDG-000122-TARDG-000123-T IR02A-10024MS IR02A-10024MS 06-KWA-WA	9: TARDG-000123-T IR02A-10024MS 06-KWA-WA
Sn [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	13-May-21	11:35	17-May-21	13:48	0.0466	0.0523	0.0862	0.216	0.0647
Ti [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00018	0.00031	0.00010	0.00009	0.00022
Tl [mg/L]	13-May-21	11:35	17-May-21	13:48	0.000017	0.000009	0.000013	0.000008	0.000015
U [mg/L]	13-May-21	11:35	17-May-21	13:48	0.000222	0.000211	0.000101	0.000031	0.000076
V [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00189	0.00164	0.00039	0.00009	0.00028
Zn [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: ARDG-000124-TARDG-000125-06-KWA-S	11: TARDG-000125-TARDG-000126-06-KWA-S	12: TARDG-000126-TARDG-000127-06-KWA-S	13: TARDG-000127-TARDG-000127-T IR02A-10024MS 06-KWA-WA	14: TARDG-000127-T IR02A-10024MS 06-KWA-WA	15:BLK: D.I. Leachate Blank
Sample Date & Time	18-Apr-21	20-Apr-21	20-Apr-21	20-Apr-21		
Sample weight [g]	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
Final pH [no unit]	9.26	9.23	9.30	9.45	9.42	5.90
pH [No unit]	8.43	8.57	8.62	8.51	8.89	7.92
Conductivity [uS/cm]	203	219	223	213	213	35
Alkalinity [mg/L as CaCO3]	64	73	73	70	69	15
SO4 [mg/L]	4	3	3	6	6	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.769	0.740	0.744	0.685	0.672	< 0.001
As [mg/L]	0.0422	0.129	0.148	0.0882	0.0909	< 0.0002
Ba [mg/L]	0.00165	0.00187	0.00203	0.00257	0.00265	< 0.00002
B [mg/L]	0.019	0.017	0.016	0.016	0.017	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	7.14	7.41	7.55	8.46	8.37	0.02
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000038	0.000045	0.000041	0.000042	0.000034	0.000004
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0002	< 0.0002	< 0.0002	< 0.0002	0.0004
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	22.8	22.6	22.7	24.3	24.3	0.110
Li [mg/L]	0.0008	0.0012	0.0012	0.0016	0.0016	< 0.0001
Mn [mg/L]	0.00063	0.00046	0.00054	0.00096	0.00100	0.00006
Mg [mg/L]	2.16	2.59	2.59	2.99	3.01	0.001
Mo [mg/L]	0.00270	0.00480	0.00423	0.00617	0.00721	< 0.00004
Na [mg/L]	19.5	22.7	22.2	17.1	17.8	0.03
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
P [mg/L]	0.057	0.041	0.061	0.049	0.050	< 0.003
Pb [mg/L]	< 0.00009	0.00026	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0086	0.0084	0.0086	0.0072	0.0070	< 0.0009
Se [mg/L]	0.00008	0.00017	0.00018	0.00033	0.00037	< 0.00004
Si [mg/L]	1.78	2.16	2.10	2.21	2.19	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0274	0.0288	0.0297	0.0392	0.0395	0.00004
Ti [mg/L]	0.00016	0.00055	0.00029	0.00027	0.00024	< 0.00005
Tl [mg/L]	0.000006	0.000010	0.000008	0.000011	0.000011	< 0.000005

**SGS Canada Inc.**

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

LR Report : CA15456-APR21

Analysis	10: ARDG-000124-TARDG-000125-TARDG-000126-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	11: TARDG-000125-TARDG-000126-TARDG-000127-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	12: TARDG-000126-TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	13: TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	14: TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	15:BLK: Blank
U [mg/L]	0.000157	0.000357	0.000370	0.000731	0.000745	0.000011
V [mg/L]	0.00260	0.00401	0.00404	0.00281	0.00279	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



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**SGS Canada Inc.**

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26-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 27 April 2021  
**LR Report:** CA15457-APR21  
**Reference:** P.O# OL-999004

Meliadine  
, Nunavut  
X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report - Revised

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000119 ARDG-000120 ARDG-000121 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 4MS06-KWA-S	4MS06-KWA-S	4MS06-KWA-S
Sample Date & Time					26-Apr-21	26-Apr-21	26-Apr-21
Paste pH [no unit]	06-May-21	10:03	07-May-21	16:16	9.21	9.18	8.93
Fizz Rate [no unit]	06-May-21	10:03	07-May-21	16:16	4	4	4
Sample weight [g]	06-May-21	10:03	07-May-21	16:16	1.94	1.97	2.01
HCl_add [mL]	07-May-21	08:06	07-May-21	16:16	40.00	40.00	40.00
HCl [Normality]	06-May-21	10:03	07-May-21	16:16	0.10	0.10	0.10
NaOH [Normality]	06-May-21	10:03	07-May-21	16:16	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	07-May-21	10:05	07-May-21	16:16	20.38	19.34	18.91
Final pH [no unit]	07-May-21	10:05	07-May-21	16:16	1.54	1.67	1.81
NP [t CaCO3/1000 t]	07-May-21	10:05	07-May-21	16:16	50.6	52.4	52.5
AP [t CaCO3/1000 t]	10-May-21	10:59	10-May-21	11:00	2.81	2.19	4.69
Net NP [t CaCO3/1000 t]	10-May-21	11:00	10-May-21	11:00	47.8	50.2	47.8
NP/AP [ratio]	10-May-21	11:00	10-May-21	11:00	18.0	24.0	11.2
S [%]	07-May-21	14:58	10-May-21	10:59	0.203	0.108	0.244
Acid Leachable SO4-S [%]	10-May-21	07:32	10-May-21	10:59	0.11	< 0.04	0.09
Sulphide [%]	10-May-21	07:32	10-May-21	10:59	0.09	0.07	0.15
C [%]	07-May-21	14:58	10-May-21	13:41	0.800	0.788	1.02
CO3 [%]	21-May-21	07:41	21-May-21	14:19	3.54	3.64	3.70

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000122 ARDG-000123 ARDG-000124 ARDG-000125 ARDG-000126 ARDG-000127 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 4MS06-KWA-WA 4MS06-KWA-WA 4MS06-KWA-S 4MS06-KWA-S 4MS06-KWA-S 4MS06-KWA-WA	4MS06-KWA-WA	4MS06-KWA-WA	4MS06-KWA-S	4MS06-KWA-S	4MS06-KWA-S
Sample Date & Time	27-Apr-21	27-Apr-21	18-Apr-21	20-Apr-21	20-Apr-21	20-Apr-21
Paste pH [no unit]	9.09	9.15	9.27	9.32	9.37	9.34
Fizz Rate [no unit]	4	4	4	4	4	4

Online LIMS

000250718

**SGS Canada Inc.**

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LR Report : CA15457-APR21

Analysis	8: ARDG-000122 -TIR02A-1002 4MS06-KWA- WA	9: ARDG-000123 -TIR02A-1002 4MS06-KWA- WA	10: ARDG-000124 -TIR02A-1002 4MS06-KWA- S	11: ARDG-000125 -TIR02A-1002 4MS06-KWA- S	12: ARDG-000126 -TIR02A-1002 4MS06-KWA- S	13: ARDG-000127 -TIR02A-1002 4MS06-KWA- WA
Sample weight [g]	2.00	1.98	2.00	1.97	1.98	1.98
HCl_add [mL]	62.00	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]	32.22	17.99	22.34	20.62	20.25	20.29
Final pH [no unit]	1.62	1.87	1.52	1.60	1.65	1.65
NP [t CaCO3/1000 t]	74.4	55.6	44.2	49.2	49.9	49.8
AP [t CaCO3/1000 t]	1.56	2.19	3.12	3.44	3.12	4.69
Net NP [t CaCO3/1000 t]	72.8	53.4	41.1	45.8	46.8	45.1
NP/AP [ratio]	47.6	25.4	14.1	14.3	16.0	10.6
S [%]	0.136	0.151	0.207	0.180	0.178	0.271
Acid Leachable SO4-S [%]	0.09	0.08	0.11	0.07	0.08	0.12
Sulphide [%]	0.05	0.07	0.10	0.11	0.10	0.15
C [%]	1.14	0.896	0.723	0.762	0.792	0.838
CO3 [%]	5.44	4.11	2.95	3.42	3.56	3.71

\*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 with CO3 analysis by HCl leach added.

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

**SGS Canada Inc.**

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

13-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 27 April 2021  
**LR Report:** CA15458-APR21  
**Reference:** P.O# OL-999004

Meliadine  
 , Nunavut  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000119-TARDG-000120-MS IR02A-10024MS 06-KWA-S	6: TARDG-000121-MS IR02A-10024MS 06-KWA-S	7: TARDG-000122-MS IR02A-10024MS 06-KWA-WA	8: TARDG-000123-MS IR02A-10024MS 06-KWA-WA	9:
Sample Date & Time					26-Apr-21	26-Apr-21	26-Apr-21	27-Apr-21	27-Apr-21
Ag [µg/g]	12-May-21	11:00	13-May-21	17:02	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-May-21	11:00	13-May-21	17:02	70000	83000	74000	67000	71000
As [µg/g]	12-May-21	11:00	13-May-21	17:02	310	81	310	24	140
Ba [µg/g]	12-May-21	11:00	13-May-21	17:02	610	770	820	340	510
Be [µg/g]	12-May-21	11:00	13-May-21	17:02	0.94	1.2	1.4	0.77	0.99
Bi [µg/g]	12-May-21	11:00	13-May-21	17:02	0.29	0.21	0.23	0.18	0.10
Ca [µg/g]	12-May-21	11:00	13-May-21	17:02	15000	15000	17000	28000	19000
Cd [µg/g]	12-May-21	11:00	13-May-21	17:02	0.07	0.04	0.12	0.05	0.05
Co [µg/g]	12-May-21	11:00	13-May-21	17:02	18	19	14	7.0	9.8
Cr [µg/g]	12-May-21	11:00	13-May-21	17:02	54	64	43	15	23
Cu [µg/g]	12-May-21	11:00	13-May-21	17:02	41	33	25	22	19
Fe [µg/g]	12-May-21	11:00	13-May-21	17:02	44000	42000	61000	75000	80000
K [µg/g]	12-May-21	11:00	13-May-21	17:02	20000	23000	24000	11000	20000
Li [µg/g]	12-May-21	11:00	13-May-21	17:02	26	32	30	21	27
Mg [µg/g]	12-May-21	11:00	13-May-21	17:02	12000	13000	11000	6000	8300
Mn [µg/g]	12-May-21	11:00	13-May-21	17:02	310	310	290	300	320
Mo [µg/g]	12-May-21	11:00	13-May-21	17:02	1.5	1.6	2.1	1.8	1.1
Na [µg/g]	12-May-21	11:00	13-May-21	17:02	16000	14000	7900	31000	19000
Ni [µg/g]	12-May-21	11:00	13-May-21	17:02	53	59	36	14	22
P [µg/g]	12-May-21	11:00	13-May-21	17:02	390	430	440	400	410
Pb [µg/g]	12-May-21	11:00	13-May-21	17:02	8.9	7.8	14	9.5	9.1
Sb [µg/g]	12-May-21	11:00	13-May-21	17:02	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	12-May-21	11:00	13-May-21	17:02	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	12-May-21	11:00	13-May-21	17:02	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	12-May-21	11:00	13-May-21	17:02	220	230	220	520	240
Ti [µg/g]	12-May-21	11:00	13-May-21	17:02	2700	3000	2200	1700	2100
Tl [µg/g]	12-May-21	11:00	13-May-21	17:02	0.41	0.50	0.50	0.15	0.34
U [µg/g]	12-May-21	11:00	13-May-21	17:02	1.4	1.6	1.6	0.67	0.96
V [µg/g]	12-May-21	11:00	13-May-21	17:02	71	86	56	33	45
Y [µg/g]	12-May-21	11:00	13-May-21	17:02	6.2	8.0	6.8	4.6	5.3
Zn [µg/g]	12-May-21	11:00	13-May-21	17:02	65	62	75	42	52

**SGS Canada Inc.**

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LR Report : CA15458-APR21

Analysis	10: ARDG-000124-TARDG-000125-TARDG-000126-TARDG-000127-T IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S	11: 06-KWA-S	12: 06-KWA-S	13: 06-KWA-WA
Sample Date & Time	18-Apr-21	20-Apr-21	20-Apr-21	20-Apr-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	72000	85000	83000	68000
As [µg/g]	28	45	50	120
Ba [µg/g]	580	690	660	620
Be [µg/g]	1.1	1.0	0.99	0.94
Bi [µg/g]	0.25	0.57	0.26	0.29
Ca [µg/g]	11000	15000	15000	14000
Cd [µg/g]	< 0.02	0.08	0.05	0.06
Co [µg/g]	18	19	20	16
Cr [µg/g]	75	69	68	55
Cu [µg/g]	41	41	42	38
Fe [µg/g]	42000	37000	36000	34000
K [µg/g]	20000	18000	17000	19000
Li [µg/g]	38	30	29	23
Mg [µg/g]	16000	13000	13000	9900
Mn [µg/g]	380	270	260	290
Mo [µg/g]	1.5	1.4	1.5	1.3
Na [µg/g]	20000	27000	25000	20000
Ni [µg/g]	63	59	60	47
P [µg/g]	500	460	430	360
Pb [µg/g]	6.1	9.6	9.3	16
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	220	300	290	260
Ti [µg/g]	2800	2900	3000	2400
Tl [µg/g]	0.43	0.43	0.41	0.39
U [µg/g]	1.5	1.7	1.6	1.5
V [µg/g]	87	81	80	61
Y [µg/g]	5.9	7.5	7.8	5.6
Zn [µg/g]	67	67	64	59

Chromium may not recover completely depending on sample matrix.

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

# Appendix C: TIR01 and TIR02 Waste Rock Laboratory Certificates of Analysis



SGS Canada Inc.

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### Agnico Eagle Mines Limited

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20-January-2022

Date Rec. : 06 December 2021

LR Report: CA14131-DEC21

Reference: P.O# OL-999004

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Sample ID	Sample Date & Time	Paste pH no unit	Fizz Rate no unit	Sample weight g	HCl_add mL	HCl Normality	NaOH Normality	Vol NaOH to pH=8.3 mL	Final pH no unit	NP t CaCO3/1000 t	AP t CaCO3/1000 t	Net NP t CaCO3/1000 t
1: Analysis Start Date		20-Dec-21	20-Dec-21	20-Dec-21	21-Dec-21	20-Dec-21	20-Dec-21	21-Dec-21	21-Dec-21	21-Dec-21	07-Jan-22	07-Jan-22
2: Analysis Start Time		09:00	09:00	09:00	07:01	09:00	09:00	07:01	07:01	07:01	09:14	09:14
3: Analysis Completed Date		24-Dec-21	24-Dec-21	24-Dec-21	24-Dec-21	24-Dec-21	24-Dec-21	24-Dec-21	24-Dec-21	24-Dec-21	07-Jan-22	07-Jan-22
4: Analysis Completed Time		11:33	11:33	11:33	11:33	11:33	11:33	11:33	11:33	11:33	09:14	09:14
5: ARDG-000189-TIR01A-10040MS58-Kwa-s	03-Nov-21	8.90	1	2.01	34.00	0.10	0.10	19.01	1.89	37.3	4.69	32.6
6: ARDG-000190-TIR01A-10040MS58-Kwa-s	03-Nov-21	8.95	2	2.00	45.00	0.10	0.10	29.98	1.62	37.6	3.75	33.8
7: ARDG-000191-TIR01A-10040MS58-Kwa-s	03-Nov-21	8.97	2	2.00	33.50	0.10	0.10	18.58	1.90	37.3	1.88	35.4
8: ARDG-000192-TIR01A-10035RA51-M	06-Nov-21	8.75	2	2.01	135.00	0.10	0.10	46.74	1.77	220	7.50	212
9: ARDG-000193-TIR01A-10035RA51-M	06-Nov-21	8.95	2	2.01	120.00	0.10	0.10	38.39	1.91	203	3.44	200
10: ARDG-000194-TIR01A-10035MS04-M	07-Nov-21	8.88	2	2.00	191.00	0.10	0.10	85.39	1.68	264	3.75	260
11: ARDG-000195-TIR01A-10035MS04-M	07-Nov-21	8.70	2	2.00	179.00	0.10	0.10	82.12	1.63	242	2.50	240
12: ARDG-000196-TIR01A-10035MS05-M	20-Nov-21	8.63	2	2.01	180.00	0.10	0.10	76.49	1.63	258	3.12	254
13: ARDG-000197-TIR01A-10035MS05-M	20-Nov-21	8.63	2	2.00	153.00	0.10	0.10	49.73	1.84	258	3.12	255

Sample ID	NP/AP ratio	S %	Acid Leachable SO4-S %	Sulphide %	C %	CO3 (HCl) %
1: Analysis Start Date	07-Jan-22	23-Dec-21	07-Jan-22	06-Jan-22	23-Dec-21	06-Jan-22
2: Analysis Start Time	09:14	14:14	09:14	06:37	14:14	06:19
3: Analysis Completed Date	07-Jan-22	07-Jan-22	07-Jan-22	07-Jan-22	06-Jan-22	06-Jan-22

Sample ID	NP/AP ratio	S %	Acid Leachable SO4-S %	Sulphide %	C %	CO3 (HCl) %
4: Analysis Completed Time	09:14	09:14	09:14	09:14	12:24	12:24
5: ARDG-000189-TIR01A-10040MS58-Kwa-s	7.96	0.207	0.06	0.15	0.699	2.84
6: ARDG-000190-TIR01A-10040MS58-Kwa-s	10.0	0.185	0.06	0.12	0.760	3.10
7: ARDG-000191-TIR01A-10040MS58-Kwa-s	19.9	0.124	0.06	0.06	0.656	2.97
8: ARDG-000192-TIR01A-10035RA51-M	29.3	0.264	< 0.04	0.24	2.73	13.4
9: ARDG-000193-TIR01A-10035RA51-M	59.1	0.148	< 0.04	0.11	2.60	12.8
10: ARDG-000194-TIR01A-10035MS04-M	70.4	0.161	0.04	0.12	3.78	18.6
11: ARDG-000195-TIR01A-10035MS04-M	96.9	0.429	0.35	0.08	3.36	16.6
12: ARDG-000196-TIR01A-10035MS05-M	82.4	0.150	0.05	0.10	2.76	13.7
13: ARDG-000197-TIR01A-10035MS05-M	82.6	0.452	0.35	0.10	3.40	16.6

\*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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30-December-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 06 December 2021  
**LR Report:** CA14132-DEC21  
**Reference:** P.O# OL-999004

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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-000189-TIARDG-000190-MSR01A-10040MS5R01A-8-Kwa-s	6: ARDG-000191-TIARDG-000192-MSR01A-10040MS5R01A-8-Kwa-s	7: ARDG-000193-TIARDG-000194-MSR01A-10035RA5R01A-1-M	8: ARDG-000195-TIARDG-000196-MSR01A-10035RA5R01A-1-M	9: ARDG-000197-TIARDG-000198-MSR01A-10035RA5R01A-1-M
Sample Date & Time					03-Nov-21	03-Nov-21	03-Nov-21	06-Nov-21	06-Nov-21
Ag [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	82000	84000	88000	70000	66000
As [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	360	350	700	22	9.8
Ba [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	680	640	960	150	46
Be [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	1.00	1	1.00	0.24	0.21
Bi [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	0.28	0.26	0.25	< 0.09	< 0.09
Ca [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	11000	12000	12000	83000	80000
Cd [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	0.13	0.10	0.16	0.13	0.10
Co [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	26	26	27	61	58
Cr [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	82	74	69	107	89
Cu [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	240	61	55	160	130
Fe [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	47000	45000	48000	82000	88000
K [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	20000	20000	23000	6700	1100
Li [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	32	31	35	48	54
Mg [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	16000	16000	17000	24000	38000
Mn [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	410	430	430	2100	1600
Mo [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	2.3	2.3	1.9	0.3	0.6
Na [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	20000	21000	16000	12000	15000
Ni [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	93	89	94	150	180
P [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	440	450	500	200	170
Pb [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	15	15	14	3	2
Sb [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	340	350	350	98	100
Ti [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	1100	1200	1000	1900	1100
Tl [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	0.56	0.56	0.61	0.31	0.05
U [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	1.85	1.71	1.90	0.22	0.20
V [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	110	100	120	250	220
Y [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	7.38	7.02	8.33	9.58	8.69
Zn [µg/g]	20-Dec-21	23:38	30-Dec-21	14:58	100	100	110	120	96

**SGS Canada Inc.**

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LR Report : CA14132-DEC21

Analysis	10: ARDG-000194-TIARDG-000195-TIARDG-000196-TIARDG-000197-TI R01A-10035MSOR01A-10035MSOR01A-10035MSOR01A-10035MSO	11: 4-M	12: 5-M	13: 5-M
Sample Date & Time	07-Nov-21	07-Nov-21	20-Nov-21	20-Nov-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	69000	65000	61000	64000
As [µg/g]	28	91	17	880
Ba [µg/g]	72	150	47	410
Be [µg/g]	0.26	0.30	0.27	0.28
Bi [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09
Ca [µg/g]	77000	91000	71000	96000
Cd [µg/g]	0.16	0.19	0.11	0.12
Co [µg/g]	49	55	55	57
Cr [µg/g]	93	86	72	89
Cu [µg/g]	150	130	160	150
Fe [µg/g]	69000	77000	96000	82000
K [µg/g]	4600	8100	2200	7300
Li [µg/g]	40	38	43	39
Mg [µg/g]	28000	20000	35000	20000
Mn [µg/g]	1600	2300	1700	2500
Mo [µg/g]	0.2	0.3	0.5	0.3
Na [µg/g]	16000	8400	14000	6900
Ni [µg/g]	130	130	99	130
P [µg/g]	240	220	220	200
Pb [µg/g]	5	5	2	7
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	150	120	120	130
Ti [µg/g]	1600	2000	4200	2500
Tl [µg/g]	0.22	0.39	0.09	0.32
U [µg/g]	0.16	0.14	0.11	0.12
V [µg/g]	220	240	270	230
Y [µg/g]	4.79	7.99	8.51	8.62
Zn [µg/g]	95	100	110	120

*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 : Dan Gorton/Sean Arruda

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, Nunavut  
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20-January-2022

Date Rec. : 06 December 2021

LR Report: CA14133-DEC21

Reference: P.O# OL-999004

Copy: #1

# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed Date	3: Analysis Completed Date	4: Analysis Time	5: ARDG-000189-TARDG-000190-TARDG-000191-TARDG-000192-TARDG-000193-TARDG-000194-T Completed 58-Kwa-s	6: IR01A-10040MS 58-Kwa-s	7: IR01A-10040MS 58-Kwa-s	8: IR01A-10035RA 51-M	9: IR01A-10035RA 51-M	10: IR01A-10035MS 04-M
Sample Date & Time					03-Nov-21	03-Nov-21	03-Nov-21	06-Nov-21	06-Nov-21	07-Nov-21
Sample weight [g]	05-Jan-22	09:25	06-Jan-22	11:47	250	250	250	250	250	250
Volume D.I. Water [mL]	05-Jan-22	09:25	06-Jan-22	11:47	750	750	750	750	750	750
Final pH [no unit]	06-Jan-22	09:00	06-Jan-22	11:47	8.97	9.04	9.02	8.88	8.96	8.73
Hg [mg/L]	07-Jan-22	06:44	07-Jan-22	11:14	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.622	0.616	0.695	0.788	0.469	0.481
As [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.117	0.115	0.137	0.0042	0.0014	0.0072
Ba [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.00311	0.00302	0.00381	0.00127	0.00142	0.00060
B [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.015	0.015	0.015	0.035	0.007	0.020
Be [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	10.8	9.77	11.2	10.7	10.3	12.4
Cd [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.000004	0.000060	0.000005	0.000008	0.000003	0.000005
Co [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.000094	0.000226	0.000064	0.000107	0.000024	0.000061
Cr [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.00008	0.00020	< 0.00008	0.00023	< 0.00008	< 0.00008
Cu [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.0002	0.0006	< 0.0002	0.0004	< 0.0002	< 0.0002

OnLine LIMS

000277490



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LR Report : CA14133-DEC21

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:
	Analysis Start Date	Analysis Start Time Completed	Analysis Completed Date	Analysis Completed Time	ARDG-000189-TARDG-000190-TARDG-000191-TARDG-000192-TARDG-000193-TARDG-000194-T IR01A-10040MS 58-Kwa-s	ARDG-000190-TARDG-000191-TARDG-000192-TARDG-000193-TARDG-000194-T IR01A-10040MS 58-Kwa-s	ARDG-000191-TARDG-000192-TARDG-000193-TARDG-000194-T IR01A-10040MS 58-Kwa-s	ARDG-000192-TARDG-000193-TARDG-000194-T IR01A-10035RA 51-M	ARDG-000193-TARDG-000194-T IR01A-10035RA 51-M	ARDG-000194-T IR01A-10035MS 04-M
Fe [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.008	0.052	< 0.007	< 0.007	0.009	< 0.007
K [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	22.8	21.0	22.5	7.78	2.19	4.35
Li [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.0012	0.0012	0.0011	0.0011	0.0007	0.0027
Mg [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	3.59	3.59	3.19	1.73	2.08	8.23
Mn [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.00117	0.00174	0.00103	0.00188	0.00082	0.00287
Mo [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.00529	0.00428	0.00492	0.00232	0.00235	0.00432
Na [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	23.6	23.0	21.9	14.3	13.6	46.8
Ni [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.0021	0.0006	0.0007	0.0005	0.0010	0.0005
Pb [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.0081	0.0080	0.0063	< 0.0009	0.0009	0.0032
Se [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.00033	0.00037	0.00026	0.00034	0.00008	0.00055
Sn [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.0481	0.0487	0.0522	0.0192	0.0289	0.0179
Ti [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.00047	0.00133	0.00042	0.00057	0.00038	0.00031
Tl [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.000005	< 0.000005	0.000006	0.000006	< 0.000005	< 0.000005
U [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.000215	0.000205	0.000133	0.000021	0.000006	0.000009
V [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.00252	0.00278	0.00253	0.00165	0.00130	0.00141
W [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	0.00395	0.00294	0.00246	0.00067	0.00128	0.00256
Y [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.00002	0.00012	0.00003	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	10-Jan-22	16:35	13-Jan-22	10:23	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11:	12:	13:	14:
	ARDG-000195-TARDG-000196-TARDG-000197-TARDG-000197-T IR01A-10035MS 04-M	ARDG-000196-TARDG-000197-TARDG-000197-TARDG-000197-T IR01A-10035MS 05-M	ARDG-000197-TARDG-000197-TARDG-000197-TARDG-000197-T IR01A-10035MS 05-M	ARDG-000197-TARDG-000197-TARDG-000197-TARDG-000197-T IR01A-10035MS 05-M
Sample Date & Time	07-Nov-21	20-Nov-21	20-Nov-21	
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
Final pH [no unit]	8.70	8.89	8.69	8.69
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001



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LR Report : CA14133-DEC21

Analysis	11:	12:	13:	14:
	ARDG-000195-TARDG-000196-TARDG-000197-TARDG-000197-T IR01A-10035MSIR01A-10035MSIR01A-10035MSIR01A-10035MS	ARDG-000196-TARDG-000197-TARDG-000197-T IR01A-10035MSIR01A-10035MSIR01A-10035MS	ARDG-000197-TARDG-000197-T IR01A-10035MSIR01A-10035MS	ARDG-000197-T IR01A-10035MS
	04-M	05-M	05-M	05-M
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.494	0.343	0.475	0.446
As [mg/L]	0.0312	0.0035	0.0483	0.0499
Ba [mg/L]	0.00128	0.00137	0.00155	0.00153
B [mg/L]	0.016	0.010	0.019	0.020
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	17.6	13.3	17.4	18.3
Cd [mg/L]	0.000008	0.000011	0.000005	0.000011
Co [mg/L]	0.000151	0.000038	0.000139	0.000080
Cr [mg/L]	0.00018	< 0.00008	0.00132	0.00016
Cu [mg/L]	0.0003	< 0.0002	0.0002	0.0002
Fe [mg/L]	0.039	< 0.007	0.018	0.010
K [mg/L]	9.23	3.59	8.53	8.66
Li [mg/L]	0.0044	0.0008	0.0014	0.0014
Mg [mg/L]	6.53	5.88	5.76	6.08
Mn [mg/L]	0.00649	0.00164	0.00664	0.00712
Mo [mg/L]	0.00311	0.00327	0.00462	0.00517
Na [mg/L]	22.8	16.7	27.7	28.4
Ni [mg/L]	0.0006	0.0003	0.0012	0.0006
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0015	0.0012	0.0016	0.0017
Se [mg/L]	0.00152	0.00021	0.00161	0.00152
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0256	0.0342	0.0285	0.0291
Ti [mg/L]	0.00028	0.00021	0.00054	0.00026
Tl [mg/L]	0.000005	< 0.000005	< 0.000005	< 0.000005
U [mg/L]	0.000048	0.000010	0.000026	0.000022
V [mg/L]	0.00101	0.00074	0.00110	0.00090
W [mg/L]	0.00188	0.00292	0.00249	0.00261

OnLine LIMS

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Analysis	11: ARDG-000195-TARDG-000196-TARDG-000197-TARDG-000197-T IR01A-10035MSIR01A-10035MSIR01A-10035MSIR01A-10035MS	12: TARDG-000196-TARDG-000197-TARDG-000197-TARDG-000197-T IR01A-10035MSIR01A-10035MSIR01A-10035MSIR01A-10035MS	13: TARDG-000197-TARDG-000197-TARDG-000197-TARDG-000197-T IR01A-10035MSIR01A-10035MSIR01A-10035MSIR01A-10035MS	14: TARDG-000197-TARDG-000197-TARDG-000197-TARDG-000197-T IR01A-10035MSIR01A-10035MSIR01A-10035MSIR01A-10035MS
	04-M	05-M	05-M	05-M
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

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

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



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### Agnico Eagle Mines Limited

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20-January-2022

Date Rec. : 07 December 2021

LR Report: CA14144-DEC21

Reference: P.O# OL-999004

Copy: #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-TIR01A-1 0035MS05
Sample Date & Time					26-Nov-21
Paste pH [no unit]	20-Dec-21	09:00	24-Dec-21	11:34	8.86
Fizz Rate [no unit]	20-Dec-21	09:00	24-Dec-21	11:34	2
Sample weight [g]	20-Dec-21	09:00	24-Dec-21	11:34	2.00
HCl_add [mL]	21-Dec-21	07:01	24-Dec-21	11:34	116.50
HCl [Normality]	20-Dec-21	09:00	24-Dec-21	11:34	0.10
NaOH [Normality]	20-Dec-21	09:00	24-Dec-21	11:34	0.10
Vol NaOH to pH=8.3 [mL]	21-Dec-21	07:01	24-Dec-21	11:34	34.06
Final pH [no unit]	21-Dec-21	07:01	24-Dec-21	11:34	1.89
NP [t CaCO3/1000 t]	21-Dec-21	07:01	24-Dec-21	11:34	206
AP [t CaCO3/1000 t]	06-Jan-22	12:07	06-Jan-22	12:07	1.88
Net NP [t CaCO3/1000 t]	06-Jan-22	12:07	06-Jan-22	12:07	204
NP/AP [ratio]	06-Jan-22	12:07	06-Jan-22	12:07	110
S [%]	23-Dec-21	14:14	06-Jan-22	12:07	0.119
Acid Leachable SO4-S [%]	06-Jan-22	12:07	06-Jan-22	12:07	0.06
Sulphide [%]	06-Jan-22	06:37	06-Jan-22	12:07	0.06
C [%]	23-Dec-21	14:14	06-Jan-22	12:07	2.44

Analysis	1:	2:	3:	4:	5:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-TIR01A-1 0035MS05
CO3 (HCl) [%]	06-Jan-22	06:19	06-Jan-22	12:07	12.2
	14-Dec-21 07:17	14-Dec-21 07:17	14-Dec-21 07:17	14-Dec-21 07:17	1

\*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**

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30-December-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 07 December 2021  
**LR Report:** CA14145-DEC21  
**Reference:** P.O# OL-999004

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

**Copy:** #1

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 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: ARDG-TIR01A -10035MS05
Sample Date & Time					26-Nov-21
Ag [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	< 0.5
Al [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	55000
As [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	16
Ba [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	70
Be [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	0.25
Bi [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	< 0.09
Ca [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	64000
Cd [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	0.12
Co [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	42
Cr [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	89
Cu [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	100
Fe [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	66000
K [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	1600
Li [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	63
Mg [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	27000
Mn [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	1500
Mo [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	0.1
Na [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	8500
Ni [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	120
P [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	140
Pb [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	3
Sb [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	< 0.8
Se [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	< 0.7
Sn [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	< 6
Sr [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	88
Ti [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	900
Tl [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	0.09

**SGS Canada Inc.**

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LR Report : CA14145-DEC21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-TIR01A -10035MS05
U [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	0.091
V [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	180
Y [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	9.37
Zn [µg/g]	22-Dec-21	20:02	30-Dec-21	14:56	85

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



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26-January-2022

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 07 December 2021  
**LR Report:** CA14146-DEC21  
**Reference:** P.O# OL-999004

Meliadine  
 , Nunavut  
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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-TIR01A-1 0035MS05
Sample Date & Time					26-Nov-21
Sample weight [g]	19-Jan-22	12:00	20-Jan-22	11:37	250
Volume D.I. Water [mL]	19-Jan-22	12:00	20-Jan-22	11:37	750
Final pH [no unit]	20-Jan-22	10:00	20-Jan-22	11:37	8.97
Hg [mg/L]	24-Jan-22	10:20	25-Jan-22	09:46	< 0.00001
Ag [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.00005
Al [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.512
As [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.0042
Ba [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.00171
B [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.014
Be [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.000007
Bi [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.00001
Ca [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	8.97
Cd [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.000003
Co [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.000173
Cr [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.00008
Cu [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.0002
Fe [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.007
K [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	5.00
Li [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.0004
Mg [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	1.91
Mn [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.00144
Mo [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.00181
Na [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	27.3
Ni [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.0001
Pb [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.00027
Sb [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.0036
Se [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.00013
Sn [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.00006
Sr [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.03900

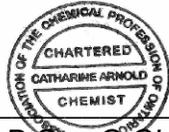
**SGS Canada Inc.**

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LR Report : CA14146-DEC21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-TIR01A-1 0035MS05
Ti [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.00005
Tl [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.000005
U [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.000002
V [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.00071
W [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	0.00061
Y [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.00002
Zn [mg/L]	25-Jan-22	14:00	26-Jan-22	15:06	< 0.002

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

*Catharine Arnold*  
  
**Catharine Arnold, B.Sc., C.Chem**  
 Project Specialist,  
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31-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 08 April 2021  
**LR Report:** CA14187-APR21  
**Reference:** P.O# OL-999004

Meliadine  
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# CERTIFICATE OF ANALYSIS

## Final Report - Revised

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000110 ARDG-000111 ARDG-000112 -TIRI02A-2002 -TIRI02A-2002 -TIRI02A-2002 4MS08-KWA-S	4MS08-KWA-S	4MS08-KWA-S
Sample Date & Time					11-Mar-21	12-Mar-21	15-Mar-21
Paste pH [no unit]	15-Apr-21	08:18	16-Apr-21	12:06	8.87	9.08	9.01
Fizz Rate [no unit]	15-Apr-21	08:18	16-Apr-21	12:06	4	4	4
Sample weight [g]	15-Apr-21	08:18	16-Apr-21	12:06	2.01	2.00	2.00
HCl_add [mL]	16-Apr-21	06:27	16-Apr-21	12:06	52.50	40.00	40.00
HCl [Normality]	15-Apr-21	08:18	16-Apr-21	12:06	0.10	0.10	0.10
NaOH [Normality]	15-Apr-21	08:18	16-Apr-21	12:06	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	16-Apr-21	08:21	16-Apr-21	12:06	26.21	21.89	22.02
Final pH [no unit]	16-Apr-21	08:21	16-Apr-21	12:06	1.58	1.65	1.58
NP [t CaCO3/1000 t]	16-Apr-21	08:21	16-Apr-21	12:06	65.4	45.3	45.0
AP [t CaCO3/1000 t]	16-Apr-21	12:06	16-Apr-21	12:06	12.2	5.31	6.88
Net NP [t CaCO3/1000 t]	16-Apr-21	12:06	16-Apr-21	12:06	53.2	40.0	38.1
NP/AP [ratio]	16-Apr-21	12:06	16-Apr-21	12:06	5.37	8.53	6.55
S [%]	13-Apr-21	09:05	15-Apr-21	16:41	0.592	0.244	0.288
Acid Leachable SO4-S [%]	15-Apr-21	16:41	15-Apr-21	16:41	0.20	0.07	0.07
Sulphide [%]	14-Apr-21	13:59	15-Apr-21	16:41	0.39	0.17	0.22
C [%]	13-Apr-21	09:05	15-Apr-21	16:41	1.32	0.597	0.680
CO3 [%]	21-May-21	07:41	21-May-21	14:18	5.06	2.94	3.11

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000113 ARDG-000114 ARDG-000115 ARDG-000116 ARDG-000117 ARDG-000118 -TIRI02A-2002 -TIRI02A-2002 -TIRI02A-2002 -TIRI02A-2002 -TIRI02A-2002 -TIRI02A-2002 4MS05-KSC-WA	4MS05-KSC-WA	4MS05-KSC-WA	4MS05-KSC-WA	4MS05-KSC-WA	4MS05-KSC-WA
Sample Date & Time	15-Mar-21	28-Mar-21	31-Mar-21	28-Mar-21	31-Mar-21	31-Mar-21
Paste pH [no unit]	9.02	9.09	8.55	8.61	8.76	8.88
Fizz Rate [no unit]	4	4	4	4	4	4

Online LIMS

0002513043

**SGS Canada Inc.**

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**LR Report : CA14187-APR21**

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000113	ARDG-000114	ARDG-000115	ARDG-000116	ARDG-000117	ARDG-000118
	-TIRI02A-2002	-TIRI02A-2002	-TIRI02A-2002	-TIRI02A-2002	-TIRI02A-2002	-TIRI02A-2002
	4MS08-KWA-S	4MS05-KSC-WA	4MS05-KSC-WA	4MS05-KSC-WA	4MS05-KSC-WA	4MS05-KSC-WA
Sample weight [g]	2.02	1.98	2.01	1.98	1.99	2.00
HCl_add [mL]	40.00	40.00	60.00	56.00	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]	18.85	22.92	29.62	28.86	22.77	24.63
Final pH [no unit]	1.75	1.53	1.65	1.66	1.55	1.54
NP [t CaCO3/1000 t]	52.4	43.1	75.6	68.5	43.3	38.4
AP [t CaCO3/1000 t]	5.00	3.44	7.50	3.44	4.38	2.50
Net NP [t CaCO3/1000 t]	47.4	39.7	68.1	65.1	38.9	35.9
NP/AP [ratio]	10.5	12.5	10.1	19.9	9.90	15.4
S [%]	0.201	0.128	0.324	0.144	0.201	0.061
Acid Leachable SO4-S [%]	0.04	< 0.04	0.08	< 0.04	0.06	< 0.04
Sulphide [%]	0.16	0.11	0.24	0.11	0.14	0.08
C [%]	0.818	0.641	1.28	1.08	0.692	0.736
CO3 [%]	3.67	2.87	5.97	5.25	2.94	3.03

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

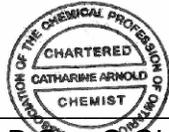
\*AP (Acid Potential) = % Sulphide Sulphur x 31.25

\*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 with CO3 HCl leach reported.

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



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**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

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20-April-2021

Date Rec. : 08 April 2021  
LR Report: CA14188-APR21  
Reference: P.O# OL-999004

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000110-TARDG-000111-TARDG-000112-TARDG-000113-TARDG-000114-TARDG-000115-TARDG-000116-TARDG-000117-TARDG-000118-T	6: IRI02A-20024M S08-KWA-S	7: IRI02A-20024M S08-KWA-S	8: IRI02A-20024M S08-KWA-S	9: IRI02A-20024M S05-KSC-WA	10: IRI02A-20024M S05-KSC-WA	11: IRI02A-20024M S05-KSC-WA	12: IRI02A-20024M S05-KSC-WA	13: IRI02A-20024M S05-KSC-WA
Sample Date & Time					11-Mar-21	12-Mar-21	15-Mar-21	15-Mar-21	28-Mar-21	31-Mar-21	28-Mar-21	31-Mar-21	31-Mar-21
Ag [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	61000	83000	77000	83000	22000	48000	57000	78000	78000
As [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	570	130	100	77	71	13	40	46	72
Ba [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	840	600	590	750	530	320	340	540	770
Be [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	1.2	1.1	0.97	1.2	1.0	0.91	0.87	1.1	1.2
Bi [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	0.47	0.38	0.27	0.30	0.19	0.17	0.15	0.27	0.17
Ca [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	16000	12000	12000	13000	10000	24000	21000	12000	11000
Cd [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	0.09	0.07	0.07	0.08	0.06	0.07	0.04	0.06	0.08
Co [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	10	25	18	22	21	8	8	20	19
Cr [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	42	150	130	140	140	23	31	130	110
Cu [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	29	50	51	42	34	18	17	42	27
Fe [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	41000	46000	48000	46000	41000	150000	110000	49000	50000
K [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	21000	21000	18000	23000	18000	6900	9600	19000	22000
Li [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	19	38	33	35	27	20	26	36	32
Mg [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	8200	17000	14000	16000	5800	8900	9800	15000	13000
Mn [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	200	430	300	340	270	350	310	350	270
Mo [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	1.8	1.6	1.7	1.9	1.6	1.0	0.8	1.1	1.2
Na [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	10000	17000	19000	16000	19000	19000	19000	17000	15000
Ni [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	26	79	62	70	70	17	19	66	58

OnLine LIMS

0002468124

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000110-TARDG-000110-S08-KWA-S	6: ARDG-000111-TARDG-000111-S08-KWA-S	7: ARDG-000112-TARDG-000112-S08-KWA-S	8: ARDG-000113-TARDG-000113-S08-KWA-S	9: ARDG-000114-TARDG-000114-S05-KSC-WA	10: ARDG-000115-TARDG-000115-S05-KSC-WA	11: ARDG-000116-TARDG-000116-S05-KSC-WA	12: ARDG-000117-TARDG-000117-S05-KSC-WA	13: ARDG-000118-TARDG-000118-S05-KSC-WA
P [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	420	510	460	490	370	600	520	510	410
Pb [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	11	10	9	12	7	9	11	7	8
Sb [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	< 6	< 6	< 6	< 6	7.8	< 6	< 6	< 6	< 6
Sr [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	210	250	240	260	210	340	370	230	210
Ti [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	1800	3400	3200	3200	3200	1500	1800	3400	3100
Tl [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	0.50	0.47	0.42	0.51	0.46	0.18	0.21	0.44	0.50
U [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	1.39	1.69	1.52	1.62	1.62	0.84	0.95	1.54	1.59
V [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	41	120	98	110	110	33	42	110	93
Y [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	6.23	7.92	7.54	8.07	1.25	5.10	5.24	7.27	7.54
Zn [µg/g]	15-Apr-21	19:04	16-Apr-21	10:28	47	81	80	75	69	42	46	68	68

Chromi um may not recover compl etel y dependi ng on sampl e matri x.

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

**SGS Canada Inc.**

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28-April-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 08 April 2021  
**LR Report:** CA14189-APR21  
**Reference:** P.O# OL-999004

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	ARDG-000110 ARDG-000110 ARDG-000110 -TIRI02A-2002 -TIRI02A-2002 -TIRI02A-2002 4MS08-KWA- 4MS08-KWA- 4MS08-KWA- S S S	ARDG-000111 ARDG-000111 ARDG-000112 -TIRI02A-2002 -TIRI02A-2002 -TIRI02A-2002 4MS08-KWA- 4MS08-KWA- 4MS08-KWA- S S S	ARDG-000112 ARDG-000112 ARDG-000112 -TIRI02A-2002 -TIRI02A-2002 -TIRI02A-2002 4MS08-KWA- 4MS08-KWA- 4MS08-KWA- S S S
Sample Date & Time					11-Mar-21	12-Mar-21	15-Mar-21
Sample weight [g]	15-Apr-21	08:00	16-Apr-21	12:31	250	250	250
Volume D.I. Water [mL]	15-Apr-21	08:00	16-Apr-21	12:31	750	750	750
Final pH [no unit]	16-Apr-21	08:10	16-Apr-21	12:31	8.90	9.14	9.14
pH [No unit]	16-Apr-21	15:44	19-Apr-21	11:51	8.51	8.59	8.62
Conductivity [uS/cm]	16-Apr-21	15:44	19-Apr-21	11:51	252	210	202
Alkalinity [mg/L as CaCO3]	16-Apr-21	15:44	19-Apr-21	11:51	79	75	72
SO4 [mg/L]	19-Apr-21	09:19	20-Apr-21	14:16	6	3	4
Hg [mg/L]	19-Apr-21	13:50	20-Apr-21	11:01	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	21-Apr-21	09:44	23-Apr-21	16:10	0.00019	< 0.00005	< 0.00005
Al [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.637	0.869	0.744
As [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.0657	0.0440	0.0299
Ba [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.00541	0.00192	0.00199
B [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.025	0.028	0.018
Be [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.000029	0.000007	0.000016
Ca [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	12.6	7.86	8.49
Cd [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.000007	< 0.000003	< 0.000003
Co [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.000007	0.000051	0.000020
Cr [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	< 0.00008	< 0.00008	0.00009
Cu [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	< 0.0002	< 0.0002	0.0003
Fe [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	< 0.007	< 0.007	0.033
K [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	27.4	27.2	22.0
Li [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.0020	0.0010	0.0010
Mn [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.00129	0.00087	0.00065
Mg [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	4.08	2.56	2.77
Mo [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.01459	0.00393	0.00430

**SGS Canada Inc.**

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LR Report : CA14189-APR21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis ARDG-000110 Approval -TIRI02A-2002 Time 4MS08-KWA- S	5: ARDG-000111 -TIRI02A-2002- 4MS08-KWA- S	6: ARDG-000112 -TIRI02A-2002- 4MS08-KWA- S	7: ARDG-000112 -TIRI02A-2002- 4MS08-KWA- S
Na [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	17.2	20.2	19.2
Ni [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	< 0.0001	0.0005	< 0.0001
P [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.043	< 0.003	0.035
Pb [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.00001	0.00010	0.00002
Sb [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.0064	0.0095	0.0093
Se [mg/L]	21-Apr-21	09:44	23-Apr-21	16:20	0.00028	0.00018	0.00017
Si [mg/L]	21-Apr-21	09:44	23-Apr-21	16:19	1.98	1.88	1.69
Sn [mg/L]	21-Apr-21	09:44	23-Apr-21	16:19	< 0.00006	0.00030	< 0.00006
Sr [mg/L]	21-Apr-21	09:44	23-Apr-21	16:19	0.0566	0.0335	0.0362
Ti [mg/L]	21-Apr-21	09:44	23-Apr-21	16:09	0.00022	0.00034	0.00015
Tl [mg/L]	21-Apr-21	09:44	23-Apr-21	16:09	< 0.000005	0.000007	< 0.000005
U [mg/L]	21-Apr-21	09:44	23-Apr-21	16:09	0.000237	0.000116	0.000152
V [mg/L]	21-Apr-21	09:44	23-Apr-21	16:09	0.00059	0.00270	0.00170
Zn [mg/L]	21-Apr-21	09:44	23-Apr-21	16:09	< 0.002	< 0.002	< 0.002
Zr [mg/L]	21-Apr-21	09:44	23-Apr-21	16:09	< 0.002	< 0.002	< 0.002

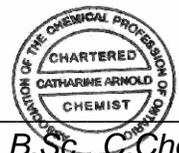
Analysis	8: ARDG-000113 -TIRI02A-2002- 4MS08-KWA- S	9: ARDG-000114 -TIRI02A-2002- 4MS05-KSC- WA	10: ARDG-000115 -TIRI02A-2002- 4MS05-KSC- WA	11: ARDG-000116 -TIRI02A-2002- 4MS05-KSC- WA	12: ARDG-000117 -TIRI02A-2002- 4MS05-KSC- WA	13: ARDG-000118 -TIRI02A-2002- 4MS05-KSC- WA
Sample Date & Time	15-Mar-21	28-Mar-21	31-Mar-21	28-Mar-21	31-Mar-21	31-Mar-21
Sample weight [g]	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
Final pH [no unit]	9.19	9.23	8.49	8.56	9.05	9.05
pH [No unit]	8.74	8.79	8.28	8.34	8.51	8.47
Conductivity [uS/cm]	204	214	358	304	222	242
Alkalinity [mg/L as CaCO3]	74	75	96	93	70	75
SO4 [mg/L]	3	3	18	7	5	5
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.825	1.00	0.291	0.379	0.871	0.707
As [mg/L]	0.0555	0.0856	0.0013	0.0017	0.0592	0.159
Ba [mg/L]	0.00246	0.00186	0.01057	0.00618	0.00226	0.00328
B [mg/L]	0.020	0.019	0.033	0.025	0.024	0.029
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	0.000029	< 0.000007	< 0.000007	< 0.000007	0.000010	< 0.000007
Ca [mg/L]	8.10	7.31	25.4	20.2	9.73	8.91
Cd [mg/L]	0.000007	0.000003	0.000007	0.000003	0.000004	0.000006
Co [mg/L]	0.000027	0.000026	0.000020	0.000005	0.000028	0.000044
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0002	0.0004	0.0003	< 0.0002	0.0005	0.0003

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**LR Report : CA14189-APR21**

Analysis	8: ARDG-000113 -TIRI02A-2002 4MS08-KWA- S	9: ARDG-000114 -TIRI02A-2002 4MS05-KSC- WA	10: ARDG-000115 -TIRI02A-2002 4MS05-KSC- WA	11: ARDG-000116 -TIRI02A-2002 4MS05-KSC- WA	12: ARDG-000117 -TIRI02A-2002 4MS05-KSC- WA	13: ARDG-000118 -TIRI02A-2002 4MS05-KSC- WA
Fe [mg/L]	< 0.007	< 0.007	0.058	< 0.007	< 0.007	< 0.007
K [mg/L]	25.4	27.0	15.6	15.7	26.9	28.1
Li [mg/L]	0.0010	0.0009	0.0029	0.0022	0.0011	0.0014
Mn [mg/L]	0.00055	0.00044	0.00554	0.00278	0.00089	0.00081
Mg [mg/L]	2.45	2.28	9.43	6.99	2.97	3.06
Mo [mg/L]	0.00574	0.00551	0.02598	0.01122	0.00864	0.00545
Na [mg/L]	17.2	22.0	27.6	26.4	23.1	24.4
Ni [mg/L]	< 0.0001	0.0004	0.0004	0.0002	0.0006	0.0001
P [mg/L]	0.031	0.031	0.041	0.026	0.054	0.064
Pb [mg/L]	0.00003	0.00002	0.00001	0.00002	0.00003	0.00005
Sb [mg/L]	0.0092	0.0091	0.0013	0.0013	0.0083	0.0074
Se [mg/L]	0.00025	0.00014	0.00017	0.00010	0.00016	0.00016
Si [mg/L]	1.90	1.94	1.63	1.36	1.80	1.64
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0353	0.0297	0.257	0.254	0.0387	0.044
Ti [mg/L]	0.00021	0.00029	0.00022	0.00023	0.00020	0.00006
Tl [mg/L]	0.000005	0.000009	0.000008	0.000006	0.000005	0.000017
U [mg/L]	0.000178	0.000259	0.000217	0.000052	0.000140	0.000143
V [mg/L]	0.00242	0.00366	0.00007	0.00009	0.00202	0.00172
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	0.004	0.004
Zr [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

**SGS Canada Inc.**

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25-February-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 12 February 2021  
**LR Report:** CA14398-FEB21  
**Reference:** P.O.# 770080

Meliadine,  
 Canada, X0C 0A0  
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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: A	6: BARDG-000101 -TIR02A-1003 4MS10-Kws-s	7:
Sample Date & Time					04-Jan-21	04-Jan-21	21-Jan-21
Paste pH [no unit]	18-Feb-21	08:02	19-Feb-21	13:12	8.72	9.05	9.09
Fizz Rate [no unit]	18-Feb-21	08:02	19-Feb-21	13:12	3	3	3
Sample weight [g]	18-Feb-21	08:02	19-Feb-21	13:12	2.10	2.07	2.01
HCl_add [mL]	19-Feb-21	06:15	19-Feb-21	13:12	45.10	30.80	42.10
HCl [Normality]	18-Feb-21	08:02	19-Feb-21	13:12	0.10	0.10	0.10
NaOH [Normality]	18-Feb-21	08:02	19-Feb-21	13:12	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Feb-21	08:02	19-Feb-21	13:12	19.82	12.41	18.44
Final pH [no unit]	19-Feb-21	08:02	19-Feb-21	13:12	1.79	1.93	1.68
NP [t CaCO3/1000 t]	19-Feb-21	08:02	19-Feb-21	13:12	60.2	44.4	58.9
AP [t CaCO3/1000 t]	25-Feb-21	14:22	25-Feb-21	14:22	2.19	2.81	2.81
Net NP [t CaCO3/1000 t]	25-Feb-21	14:22	25-Feb-21	14:22	58.0	41.6	56.1
NP/AP [ratio]	25-Feb-21	14:22	25-Feb-21	14:22	27.5	15.8	20.9
S [%]	19-Feb-21	08:09	25-Feb-21	14:22	0.174	0.232	0.224
Acid Leachable SO4-S [%]	25-Feb-21	14:22	25-Feb-21	14:22	0.10	0.14	0.13
Sulphide [%]	25-Feb-21	12:50	25-Feb-21	14:22	0.07	0.09	0.09
C [%]	19-Feb-21	08:09	22-Feb-21	14:33	1.03	0.703	0.871
CO3 [%]	22-Feb-21	14:27	22-Feb-21	14:33	3.68	2.24	2.93

Analysis	8: ARDG-000102 -TIR02A-1003 4MS10-Kws-s	9: ARDG-000103 -TIR02A-1003 4MS17-Kws- wa	10: ARDG-000104 -TIR02A-1003 4MS17-Kws- wa	11: ARDG-000151 -TIR02A-1003 4MS11-Kws-s	12: ARDG-000152 -TIR02A-1003 4MS11-Kws-s	13: ARDG-000153 -TIR02A-1003 4MS11-Kws-s
Sample Date & Time	21-Jan-21	23-Jan-21	23-Jan-21	23-Jan-21	23-Jan-21	23-Jan-21
Paste pH [no unit]	9.06	8.62	8.80	9.05	9.00	9.08
Fizz Rate [no unit]	3	3	3	3	3	3

**SGS Canada Inc.**

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LR Report : CA14398-FEB21

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000102	ARDG-000103	ARDG-000104	ARDG-000151	ARDG-000152	ARDG-000153
	-TIR02A-1003	-TIR02A-1003	-TIR02A-1003	-TIR02A-1003	-TIR02A-1003	-TIR02A-1003
	4MS10-Kws-s	4MS17-Kws- wa	4MS17-Kws- wa	4MS11-Kws-s	4MS11-Kws-s	4MS11-Kws-s
Sample weight [g]	2.07	2.07	2.01	2.02	2.04	1.98
HCl_add [mL]	30.10	45.90	46.50	30.80	30.30	28.10
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]	14.63	23.68	21.69	14.96	14.38	14.26
Final pH [no unit]	1.82	1.83	1.75	1.84	1.85	1.70
NP [t CaCO3/1000 t]	37.4	53.7	61.7	39.2	39.0	35.0
AP [t CaCO3/1000 t]	2.81	12.2	1.25	4.69	5.00	4.69
Net NP [t CaCO3/1000 t]	34.6	41.5	60.4	34.5	34.0	30.3
NP/AP [ratio]	13.3	4.41	49.4	8.36	7.80	7.47
S [%]	0.220	0.653	0.126	0.252	0.291	0.286
Acid Leachable SO4-S [%]	0.13	0.26	0.09	0.10	0.13	0.14
Sulphide [%]	0.09	0.39	0.04	0.15	0.16	0.15
C [%]	0.596	0.942	0.972	0.572	0.594	0.531
CO3 [%]	1.77	2.69	3.49	1.77	1.81	1.53

\*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

**SGS Canada Inc.**

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25-February-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 12 February 2021  
**LR Report:** CA14399-FEB21  
**Reference:** P.O.# 770080

Meliadine,  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: A	6: BARDG-000101 -TIR02A-1003 4MS10-Kws-s	7: ARDG-000102 -TIR02A-1003 4MS10-Kws-s	8:
Sample Date & Time					04-Jan-21	04-Jan-21	21-Jan-21	21-Jan-21
Ag [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	< 1	< 1	< 1	< 1
Al [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	62000	72000	75000	77000
As [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	81	37	68	130
Ba [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	670	580	650	650
Be [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	1	1	1	1
Bi [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	0.16	0.29	0.22	0.62
Ca [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	19000	12000	18000	11000
Cd [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	0.12	0.06	0.12	0.13
Co [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	16	17	18	23
Cr [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	84	83	87	100
Cu [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	16	45	42	44
Fe [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	85000	30000	33000	38000
K [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	20000	17000	18000	18000
Li [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	25	23	33	40
Mg [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	9600	10000	12000	15000
Mn [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	380	270	330	350
Mo [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	2.5	1.4	1.7	1.9
Na [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	5400	26000	21000	17000
Ni [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	52	57	62	75
P [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	480	400	440	470
Pb [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	7	11	24	21
Sb [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	< 6	< 6	< 6	< 6
Sr [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	210	320	340	270
Ti [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	2600	2700	1100	1100

**SGS Canada Inc.**

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LR Report : CA14399-FEB21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: A	6: BARDG-000101 -TIR02A-1003 4MS10-Kws-s	7: ARDG-000102 -TIR02A-1003 4MS10-Kws-s	8:
Tl [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	0.42	0.38	0.40	0.47
U [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	1.22	1.50	1.43	1.47
V [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	76	79	87	110
Y [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	6.39	6.17	7.96	6.92
Zn [µg/g]	22-Feb-21	11:46	22-Feb-21	16:19	53	61	72	85

Analysis	9: ARDG-000103 -TIR02A-1003 4MS17-Kws- wa	10: ARDG-000104 -TIR02A-1003 4MS17-Kws- wa	11: ARDG-000151 -TIR02A-1003 4MS11-Kws-s	12: ARDG-000152 -TIR02A-1003 4MS11-Kws-s	13: ARDG-000153 -TIR02A-1003 4MS11-Kws-s
Sample Date & Time	23-Jan-21	23-Jan-21	23-Jan-21	23-Jan-21	23-Jan-21
Ag [µg/g]	< 1	< 1	< 1	< 1	< 1
Al [µg/g]	67000	71000	82000	77000	77000
As [µg/g]	1100	93	48	65	49
Ba [µg/g]	470	460	610	570	520
Be [µg/g]	1	1	1	1	1
Bi [µg/g]	0.18	0.11	0.24	0.28	0.22
Ca [µg/g]	16000	20000	14000	12000	13000
Cd [µg/g]	0.11	0.05	0.12	0.10	0.12
Co [µg/g]	10	10	22	22	20
Cr [µg/g]	28	28	100	92	78
Cu [µg/g]	51	17	51	52	44
Fe [µg/g]	61000	48000	40000	36000	32000
K [µg/g]	16000	15000	21000	18000	17000
Li [µg/g]	25	22	42	34	33
Mg [µg/g]	7000	7000	15000	13000	12000
Mn [µg/g]	280	310	350	350	310
Mo [µg/g]	1.0	0.9	1.6	1.6	1.2
Na [µg/g]	25000	29000	17000	21000	23000
Ni [µg/g]	22	25	75	74	62
P [µg/g]	450	370	510	440	430
Pb [µg/g]	9	8	14	14	13
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	270	330	320	310	320
Ti [µg/g]	2100	2300	1000	910	860
Tl [µg/g]	0.33	0.30	0.46	0.39	0.37
U [µg/g]	0.94	0.86	1.65	1.53	1.61
V [µg/g]	46	47	110	100	89
Y [µg/g]	4.96	5.81	7.86	7.38	7.19

**SGS Canada Inc.**

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LR Report : CA14399-FEB21

Analysis	9:	10:	11:	12:	13:
	ARDG-000103	ARDG-000104	ARDG-000151	ARDG-000152	ARDG-000153
	-TIR02A-1003	-TIR02A-1003	-TIR02A-1003	-TIR02A-1003	-TIR02A-1003
	4MS17-Kws-	4MS17-Kws-	4MS11-Kws-s	4MS11-Kws-s	4MS11-Kws-s
	wa	wa			
Zn [µg/g]	54	50	89	75	75

Chromium may not recover completely depending on sample matrix.

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

**SGS Canada Inc.**

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09-March-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 12 February 2021  
**LR Report:** CA14400-FEB21  
**Reference:** P.O.# 770080

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

**Copy:** #1

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: A	6: B ARDG-000101-T IR02A-10034MS	7: ARDG-000102-T IR02A-10034MS	8: ARDG-000103-T IR02A-10034MS	9: ARDG-000103-T IR02A-10034MS
						10-Kws-s	10-Kws-s	17-Kws-wa	
Sample Date & Time					04-Jan-21	04-Jan-21	21-Jan-21	21-Jan-21	23-Jan-21
Sample weight [g]	22-Feb-21	07:30	23-Feb-21	10:14	250	250	250	250	250
Volume D.I. Water [mL]	22-Feb-21	07:30	23-Feb-21	10:14	750	750	750	750	750
Final pH [no unit]	23-Feb-21	07:30	23-Feb-21	10:14	8.90	9.12	9.20	9.22	8.48
pH [No unit]	23-Feb-21	15:17	24-Feb-21	11:23	8.19	8.36	8.41	8.33	8.29
Conductivity [uS/cm]	23-Feb-21	15:17	24-Feb-21	11:23	278	232	197	201	404
Alkalinity [mg/L as CaCO3]	23-Feb-21	15:17	24-Feb-21	11:23	66	64	64	63	93
SO4 [mg/L]	26-Feb-21	07:38	26-Feb-21	15:30	12	14	3	4	28
Hg [mg/L]	24-Feb-21	24-Feb-21	25-Feb-21	10:17	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.626	0.718	0.946	0.907	0.331
As [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.083	0.117	0.0862	0.0773	0.0183
Ba [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.0049	0.0026	0.0021	0.0024	0.0135
B [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.064	0.029	0.023	0.020	0.025
Be [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	< 0.000007	< 0.000007	0.000053	0.000043	0.000012
Ca [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	15.4	9.74	7.18	7.48	33.8
Cd [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.000009	0.000010	0.000004	< 0.000003	0.000004
Co [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.0061	0.0020	0.000004	0.000018	0.000087
Cr [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	< 0.0002	< 0.0002	< 0.0002	< 0.0002	0.0004
Fe [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.007	0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	33.2	22.9	23.1	24.7	30.9
Li [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.0011	0.0014	0.0012	0.0009	0.0050
Mn [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.0017	0.0010	0.00058	0.00099	0.0093
Mg [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	3.88	3.38	1.97	1.87	8.67
Mo [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.0142	0.0152	0.0066	0.0051	0.0147
Na [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	20.9	24.3	21.4	21.8	27.9
Ni [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.0023	0.0002	< 0.0001	< 0.0001	0.0002
P [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.060	0.046	0.059	0.037	0.031
Pb [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.00007	0.00001	0.00032	0.00003	0.00004
Sb [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.0040	0.0089	0.0091	0.0089	0.0021
Se [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.00050	0.00059	0.00043	0.00051	0.00048
Si [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	1.78	2.67	2.40	2.18	1.76

**SGS Canada Inc.**

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**LR Report : CA14400-FEB21**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: A	6: B ARDG-000101-T IR02A-10034MS	7: ARDG-000102-T IR02A-10034MS	8: ARDG-000103-T IR02A-10034MS	9: ARDG-000103-T IR02A-10034MS
						10-Kws-s	10-Kws-s	17-Kws-wa	
Sn [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.00019	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.0867	0.0431	0.0382	0.0344	0.181
Ti [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.00013	0.00022	0.00015	0.00013	< 0.00005
Tl [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.000006	< 0.000005	< 0.000005	< 0.000005	0.000010
U [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.00009	0.00050	0.00039	0.00021	0.00042
V [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	0.00061	0.0035	0.00403	0.0040	0.00017
Zn [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	23-Feb-21	15:00	25-Feb-21	13:31	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: ARDG-000104-T IR02A-10034MS	11: ARDG-000151-T IR02A-10034MS	12: ARDG-000152-T IR02A-10034MS	13: ARDG-000153-T IR02A-10034MS	14: ARDG-000153-T IR02A-10034MS	15:BLK: D.I. Leachate Blank
	17-Kws-wa	11-Kws-s	11-Kws-s	11-Kws-s	11-Kws-s	
Sample Date & Time	23-Jan-21	23-Jan-21	23-Jan-21	23-Jan-21		
Sample weight [g]	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
Final pH [no unit]	8.83	9.22	9.16	9.16	9.18	5.77
pH [No unit]	8.28	8.32	8.30	8.26	8.29	6.89
Conductivity [uS/cm]	239	185	220	206	209	6
Alkalinity [mg/L as CaCO3]	76	59	58	57	56	3
SO4 [mg/L]	6	4	6	5	5	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	0.00009	< 0.00005	< 0.00005
Al [mg/L]	0.617	0.979	0.826	0.871	0.878	< 0.001
As [mg/L]	0.0185	0.0606	0.055	0.0519	0.0503	< 0.0002
Ba [mg/L]	0.0049	0.0020	0.0021	0.0020	0.0020	0.00002
B [mg/L]	0.018	0.023	0.028	0.021	0.024	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.000007	< 0.000007	< 0.000007	0.000034	0.000012	0.000007
Ca [mg/L]	13.3	7.55	8.42	8.38	8.46	0.02
Cd [mg/L]	0.000007	< 0.000003	0.000006	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000054	< 0.000004	0.00059	< 0.000004	0.00082	< 0.000004
Cr [mg/L]	< 0.00008	0.00013	< 0.00008	0.00012	0.00014	< 0.00008
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	0.009	0.013	0.007	0.008	0.010	< 0.007
K [mg/L]	23.4	24.0	23.4	22.7	22.1	0.269
Li [mg/L]	0.0022	0.0008	0.0010	0.0011	0.0010	0.0001
Mn [mg/L]	0.0022	0.00072	0.00075	0.00088	0.00072	0.00010
Mg [mg/L]	4.03	1.56	2.33	2.06	2.02	0.002
Mo [mg/L]	0.0106	0.0076	0.0116	0.0111	0.0122	0.00007
Na [mg/L]	23.3	18.8	23.5	24.4	23.2	0.20
Ni [mg/L]	0.0001	0.0001	0.0005	< 0.0001	0.0001	< 0.0001
P [mg/L]	0.022	0.040	0.065	0.043	0.042	< 0.003
Pb [mg/L]	0.00003	0.00002	0.00002	0.00002	0.00003	0.00001
Sb [mg/L]	0.0018	0.0104	0.0092	0.0093	0.0091	< 0.0009
Se [mg/L]	0.00039	0.00042	0.00046	0.00045	0.00044	0.00021
Si [mg/L]	1.88	2.08	2.05	2.28	2.19	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0833	0.0381	0.0431	0.0418	0.0423	0.00003
Ti [mg/L]	0.00013	0.00065	0.00012	0.00021	0.00034	0.00017
Tl [mg/L]	0.000007	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005

**SGS Canada Inc.**

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LR Report : CA14400-FEB21

Analysis	10: ARDG-000104-T IR02A-10034MS 17-Kws-wa	11: ARDG-000151-T IR02A-10034MS 11-Kws-s	12: ARDG-000152-T IR02A-10034MS 11-Kws-s	13: ARDG-000153-T IR02A-10034MS 11-Kws-s	14: ARDG-000153-T IR02A-10034MS 11-Kws-s	15:BLK: D.I. Leachate Blank
U [mg/L]	0.00008	0.00031	0.00021	0.00031	0.00027	0.000002
V [mg/L]	0.00042	0.0043	0.0036	0.0040	0.0038	0.00005
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

*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 : Dan Gorton/Sean Arruda

Meliadine  
, Nunavut  
X0C 0A0, Canada

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mel

**Project :** PO#OL-999004

20-September-2021

**Date Rec. :** 31 August 2021  
**LR Report:** CA14540-AUG21

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000162 -TIR01A-1005 OMS53-Kwa-s	ARDG-000163 -TIR01A-1005 OMS53-Kwa-s	ARDG-000164 -TIR01A-1005 OMS57-Kwa-s
Sample Date & Time					05-Aug-21	05-Aug-21	22-Aug-21
Paste pH [no unit]	09-Sep-21	08:00	10-Sep-21	16:15	9.36	9.39	9.49
Fizz Rate [no unit]	09-Sep-21	08:00	10-Sep-21	16:15	3	3	3
Sample weight [g]	09-Sep-21	08:00	10-Sep-21	16:15	2.01	2.00	2.00
HCl_add [mL]	09-Sep-21	08:00	10-Sep-21	16:15	42.30	51.00	41.00
HCl [Normality]	09-Sep-21	08:00	10-Sep-21	16:15	0.10	0.10	0.10
NaOH [Normality]	09-Sep-21	08:00	10-Sep-21	16:15	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	10-Sep-21	08:14	10-Sep-21	16:15	25.61	37.85	26.46
Final pH [no unit]	09-Sep-21	08:00	10-Sep-21	16:15	1.87	1.61	1.54
NP [t CaCO3/1000 t]	10-Sep-21	08:14	10-Sep-21	16:15	41.5	32.9	36.4
AP [t CaCO3/1000 t]	13-Sep-21	09:14	13-Sep-21	09:14	7.81	3.75	4.06
Net NP [t CaCO3/1000 t]	13-Sep-21	09:14	13-Sep-21	09:14	33.7	29.2	32.3
NP/AP [ratio]	13-Sep-21	09:14	13-Sep-21	09:14	5.31	8.77	8.96
S [%]	10-Sep-21	08:20	13-Sep-21	09:14	0.305	0.169	0.172
Acid Leachable SO4-S [%]	13-Sep-21	09:13	13-Sep-21	09:14	0.06	0.05	0.04
Sulphide [%]	10-Sep-21	18:37	13-Sep-21	09:14	0.25	0.12	0.13
C [%]	10-Sep-21	08:20	13-Sep-21	09:14	0.547	0.256	0.538
CO3 (HCl) [%]	13-Sep-21	09:30	13-Sep-21	16:23	2.44	0.879	2.36

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000165 -TIR01A-1005 OMS57-Kwa-s	ARDG-000166 -TIR01A-1005 OMS57-Kwa-s	ARDG-000167 -TIR01A-1005 OMS63-M	ARDG-000168 -TIR01A-1005 OMS63-M	ARDG-000169 -TIR01A-1005 OMS63-M	ARDG-000170 -TIR01A-1005 OMS63-M
Sample Date & Time	22-Aug-21	22-Aug-21	24-Aug-21	24-Aug-21	24-Aug-21	24-Aug-21
Paste pH [no unit]	9.46	9.40	8.74	8.90	9.31	8.75
Fizz Rate [no unit]	3	3	3	3	3	3
Sample weight [g]	1.99	2.01	2.01	2.01	1.99	2.02

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000165	ARDG-000166	ARDG-000167	ARDG-000168	ARDG-000169	ARDG-000170
	-TIR01A-1005	-TIR01A-1005	-TIR01A-1005	-TIR01A-1005	-TIR01A-1005	-TIR01A-1005
	OMS57-Kwa-s	OMS57-Kwa-s	OMS63-M	OMS63-M	OMS63-M	OMS63-M
HCl_add [mL]	39.80	42.80	140.00	102.00	171.00	127.00
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]	24.17	23.80	45.26	52.38	75.52	61.18
Final pH [no unit]	1.78	1.78	1.83	1.55	1.69	1.55
NP [t CaCO3/1000 t]	39.3	47.3	236	123	240	163
AP [t CaCO3/1000 t]	4.69	5.62	5.94	1.88	6.56	4.38
Net NP [t CaCO3/1000 t]	34.6	41.7	230	122	233	159
NP/AP [ratio]	8.38	8.41	39.7	65.8	36.6	37.2
S [%]	0.174	0.256	0.234	0.086	0.265	0.205
Acid Leachable SO4-S [%]	< 0.04	0.08	0.04	< 0.04	0.06	0.06
Sulphide [%]	0.15	0.18	0.19	0.06	0.21	0.14
C [%]	0.578	0.680	2.97	1.54	3.25	2.00
CO3 (HCl) [%]	2.37	3.05	14.6	7.55	16.1	9.85

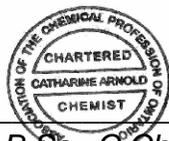
\*NP (Neutralization Potential)  
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)  
-----  
Weight of Sample

\*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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**Project :** PO#OL-999004

**LR Report :** CA14541-AUG21

Analysis	10: ARDG-000167-TIARDG-000168-TIARDG-000169-TIARDG-000170-TI R01A-10050MS6R01A-10050MS6R01A-10050MS6R01A-10050MS6	11: 3-M	12: 3-M	13: 3-M
Sample Date & Time	24-Aug-21	24-Aug-21	24-Aug-21	24-Aug-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	75000	76000	79000	75000
As [µg/g]	108	16	15	12
Ba [µg/g]	180	9	93	12
Be [µg/g]	0.30	0.22	0.43	0.33
Bi [µg/g]	< 0.09	0.15	< 0.09	< 0.09
Ca [µg/g]	94000	71000	81000	66000
Cd [µg/g]	0.16	0.11	0.30	0.08
Co [µg/g]	58	50	53	59
Cr [µg/g]	210	240	230	130
Cu [µg/g]	130	110	100	140
Fe [µg/g]	72000	72000	78000	92000
K [µg/g]	6100	300	5100	600
Li [µg/g]	47	45	58	51
Mg [µg/g]	27000	39000	27000	33000
Mn [µg/g]	2400	1400	2500	1700
Mo [µg/g]	0.3	1.7	14	7.4
Na [µg/g]	13000	9700	13000	16000
Ni [µg/g]	160	150	140	120
P [µg/g]	210	230	340	310
Pb [µg/g]	3	3	5	2
Sb [µg/g]	< 0.8	0.9	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	100	190	110	100
Ti [µg/g]	1500	3000	2400	5600
Tl [µg/g]	0.18	< 0.02	0.18	< 0.02
U [µg/g]	0.061	0.055	0.094	0.067
V [µg/g]	230	220	270	320
Y [µg/g]	7.90	11.5	5.67	10.8
Zn [µg/g]	87	74	130	100

Chromium may not recover completely depending on sample matrix.

*Catharine Arnold*  
**Catharine Arnold, B.Sc., C.Chem**  
 Project Specialist,  
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### Agnico Eagle Mines Limited

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Project : PO#OL-999004

23-September-2021

Date Rec. : 31 August 2021

LR Report: CA14542-AUG21

Copy: #1

# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Completed Date	4: Analysis Time	5: ARDG-000162-TARDG-000163-TARDG-000164-TARDG-000165-TARDG-000166-TARDG-000167-T Completed 53-Kwa-s	6: ARDG-000162-TARDG-000163-TARDG-000164-TARDG-000165-TARDG-000166-TARDG-000167-T Completed 53-Kwa-s	7: ARDG-000162-TARDG-000163-TARDG-000164-TARDG-000165-TARDG-000166-TARDG-000167-T Completed 57-Kwa-s	8: ARDG-000162-TARDG-000163-TARDG-000164-TARDG-000165-TARDG-000166-TARDG-000167-T Completed 57-Kwa-s	9: ARDG-000162-TARDG-000163-TARDG-000164-TARDG-000165-TARDG-000166-TARDG-000167-T Completed 57-Kwa-s	10: ARDG-000162-TARDG-000163-TARDG-000164-TARDG-000165-TARDG-000166-TARDG-000167-T Completed 63-M
Sample Date & Time					05-Aug-21	05-Aug-21	22-Aug-21	22-Aug-21	22-Aug-21	24-Aug-21
Sample weight [g]	16-Sep-21	13:43	17-Sep-21	13:44	250	250	250	250	250	250
Volume D.I. Water [mL]	16-Sep-21	13:43	17-Sep-21	13:44	750	750	750	750	750	750
Final pH [no unit]	17-Sep-21	13:43	17-Sep-21	13:44	9.14	9.20	9.23	9.28	9.05	8.91
Hg [mg/L]	20-Sep-21	09:27	20-Sep-21	12:24	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.557	0.372	0.639	0.670	0.521	0.489
As [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.0065	0.0079	0.0409	0.0556	0.0422	0.0128
Ba [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.00343	0.00819	0.00228	0.00228	0.00309	0.00146
B [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.014	0.023	0.015	0.015	0.015	0.015
Be [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	9.30	9.53	7.01	6.39	9.87	13.3
Cd [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.000004	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.000062	0.000055	0.000047	0.000058	0.000089	0.000063
Cr [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.00020	0.00015	0.00021	0.00017	< 0.00008	0.00014
Cu [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.0004	0.0009	0.0007	0.0002	0.0004	< 0.0002

OnLine LIMS

0002651745



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**Project :** PO#OL-999004

**LR Report :** CA14542-AUG21

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:
	Analysis Start Date	Analysis Start Time Completed	Analysis Completed Date	Analysis Completed Time	ARDG-000162-TARDG-000163-TARDG-000164-TARDG-000165-TARDG-000166-TARDG-000167-T IR01A-10050MS 53-Kwa-s	IR01A-10050MS 53-Kwa-s	IR01A-10050MS 57-Kwa-s	IR01A-10050MS 57-Kwa-s	IR01A-10050MS 57-Kwa-s	IR01A-10050MS 63-M
Fe [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.010	0.041	0.008	0.013	< 0.007	< 0.007
K [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	17.9	19.8	19.0	19.3	15.0	7.52
Li [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.0008	0.0019	0.0007	0.0007	0.0012	0.0007
Mg [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	2.71	2.76	1.86	1.73	2.94	3.11
Mn [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.00109	0.00165	0.00084	0.00091	0.00159	0.00271
Mo [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.00320	0.00497	0.00351	0.00343	0.00530	0.00207
Na [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	30.1	30.0	18.2	20.1	19.0	36.8
Ni [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.0003	0.0002	0.0002	0.0002	0.0002	< 0.0001
Pb [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	< 0.00009	< 0.00009	< 0.00009	< 0.00009	0.00036	< 0.00009
Sb [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.0014	0.0029	0.0054	0.0060	0.0038	< 0.0009
Se [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.00025	0.00070	0.00019	0.00019	0.00033	0.00030
Sn [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.0475	0.0359	0.0347	0.0324	0.0546	0.0243
Ti [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.00018	0.00378	0.00052	0.00066	0.00019	0.00033
Tl [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.000009	0.000016	0.000006	0.000010	0.000005	0.000007
U [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.000149	0.000045	0.000144	0.000239	0.000139	0.000005
V [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.00181	0.00479	0.00222	0.00286	0.00136	0.00091
W [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.00189	0.00531	0.00196	0.00291	0.00326	0.00077
Y [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	21-Sep-21	15:10	22-Sep-21	14:24	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	11:	12:	13:	14:	15:BLK:
	ARDG-000168-TARDG-000169-TARDG-000170-TARDG-000170-T IR01A-10050MS 63-M	IR01A-10050MS 63-M	IR01A-10050MS 63-M	IR01A-10050MS 63-M	\$D.I. Leachate Blank
Sample Date & Time	24-Aug-21	24-Aug-21	24-Aug-21		
Sample weight [g]	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750
Final pH [no unit]	9.10	8.90	8.88	8.88	5.60
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001



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**Project :** PO#OL-999004  
**LR Report :** CA14542-AUG21

Analysis	11:	12:	13:	14:	15:BLK:
	ARDG-000168-TARDG-000169-TARDG-000170-TARDG-000170-T IR01A-10050MS 63-M	IR01A-10050MS 63-M	IR01A-10050MS 63-M	IR01A-10050MS 63-M	\$D.I. Leachate Blank
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.414	0.579	0.405	0.386	0.004
As [mg/L]	0.0016	0.0031	0.0012	0.0014	0.0002
Ba [mg/L]	0.00216	0.00050	0.00117	0.00128	0.00008
B [mg/L]	0.017	0.024	0.014	0.021	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	10.4	10.7	15.0	15.4	0.18
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000032	0.000008	0.000051	0.000064	0.000006
Cr [mg/L]	< 0.00008	0.00009	< 0.00008	0.00020	0.00012
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	2.53	3.59	2.59	2.76	0.077
Li [mg/L]	0.0003	0.0018	0.0004	0.0004	< 0.0001
Mg [mg/L]	2.08	5.06	3.32	3.34	0.029
Mn [mg/L]	0.00055	0.00302	0.00123	0.00139	0.00018
Mo [mg/L]	0.00307	0.00332	0.00247	0.00279	0.00016
Na [mg/L]	30.2	30.4	36.5	37.4	0.29
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	0.00031	< 0.00009
Sb [mg/L]	< 0.0009	< 0.0009	0.0012	0.0013	< 0.0009
Se [mg/L]	0.00010	0.00021	0.00029	0.00028	< 0.00004
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	0.00011	< 0.00006
Sr [mg/L]	0.0335	0.0130	0.0571	0.0596	0.0003
Ti [mg/L]	0.00028	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Tl [mg/L]	0.000005	< 0.000005	0.000007	0.000009	< 0.000005
U [mg/L]	0.000002	0.000013	0.000004	0.000004	< 0.000002
V [mg/L]	0.00091	0.00098	0.00058	0.00064	0.00001
W [mg/L]	0.00078	0.00265	0.00198	0.00217	0.00003

OnLine LIMS

0002651745

Analysis	11: ARDG-000168-TARDG-000169-TARDG-000170-TARDG-000170-T IR01A-10050MS 63-M	12: ARDG-000169-TARDG-000170-TARDG-000170-TARDG-000170-T IR01A-10050MS 63-M	13: ARDG-000170-TARDG-000170-TARDG-000170-TARDG-000170-T IR01A-10050MS 63-M	14: ARDG-000170-TARDG-000170-TARDG-000170-TARDG-000170-T IR01A-10050MS 63-M	15:BLK: \$D.I. Leachate Blank
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 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**



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ABA - Modified Sobek

14-July-2021

Date Rec. : 24 June 2021  
LR Report: CA14571-JUN21  
Reference: P.O# OL-999004

Copy: #1

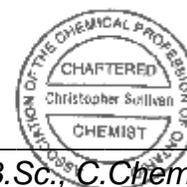
# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000137-T IR02A-10024MS 11-Ksc-wa	6: ARDG-000138-T IR02A-10024MS 11-Ksc-wa	7: ARDG-000139-T IR02A-10024MS 11-Ksc-wa	8: ARDG-000140-T IR02A-10024MS 11-Ksc-wa	9: TARDG-000141-T IR01A-10055MS 05-Kwa-s	10: TARDG-000142-T IR01A-10055MS 05-Kwa-s	11: TARDG-000143-T IR01A-10055MS 06-Kwa-s	12: TARDG-000144-T IR01A-10055MS 12-Kwa-s
Paste pH [no unit]	08-Jul-21	09:19	14-Jul-21	15:15	9.60	9.65	9.05	9.19	9.43	9.16	9.31	9.46
Fizz Rate [no unit]	08-Jul-21	09:19	14-Jul-21	15:15	4	3	3	4	3	3	3	3
Sample weight [g]	08-Jul-21	09:19	14-Jul-21	15:15	1.99	1.92	2.00	2.04	2.00	1.98	1.98	2.05
HCl Added [mL]	09-Jul-21	07:20	14-Jul-21	15:15	40.00	27.00	31.00	40.00	29.00	29.00	30.00	31.00
HCl [Normality]	08-Jul-21	09:19	14-Jul-21	15:15	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	08-Jul-21	09:19	14-Jul-21	15:15	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3 [mL]	09-Jul-21	07:20	14-Jul-21	15:15	20.35	14.65	13.96	22.35	13.96	15.20	17.10	15.04
Final pH [no unit]	09-Jul-21	07:20	14-Jul-21	15:15	1.63	1.60	1.83	1.50	1.73	1.65	1.59	1.68
NP [t CaCO3/1000 t]	09-Jul-21	07:20	14-Jul-21	15:15	49.4	32.2	42.6	43.3	37.6	34.9	32.6	38.9
AP [t CaCO3/1000 t]	09-Jul-21	07:20	14-Jul-21	15:16	4.38	4.06	3.44	5.31	4.69	4.06	4.38	2.19
Net NP [t CaCO3/1000 t]	09-Jul-21	07:20	14-Jul-21	15:16	45.0	28.1	39.2	38.0	32.9	30.8	28.2	36.7
NP/AP [ratio]	09-Jul-21	07:20	14-Jul-21	15:16	11.3	7.93	12.4	8.15	8.02	8.59	7.45	17.8
Sulphur (total) [%]	06-Jul-21	07:37	12-Jul-21	14:01	0.301	0.207	0.231	0.250	0.239	0.238	0.252	0.210
Acid Leachable SO4-S [%]	09-Jul-21	14:09	12-Jul-21	14:01	0.16	0.08	0.12	0.08	0.09	0.11	0.11	0.14
Sulphide [%]	09-Jul-21	14:09	12-Jul-21	14:01	0.14	0.13	0.11	0.17	0.15	0.13	0.14	0.07
Carbon (total) [%]	06-Jul-21	07:37	06-Jul-21	14:01	0.718	0.523	0.652	0.642	0.551	0.434	0.496	0.542
Carbonate (pyro) [%]	06-Jul-21	11:05	06-Jul-21	14:01	2.35	1.61	1.89	1.99	1.67	1.28	1.35	1.73
Carbonate (HCl) [%]	12-Jul-21	06:26	12-Jul-21	14:20	3.16	2.22	2.82	2.75	2.44	2.06	2.03	2.43

Analysis	13: ARDG-000145-T IR01A-10055MS 12-Kwa-s
Paste pH [no unit]	8.82
Fizz Rate [no unit]	3
Sample weight [g]	2.02
HCl Added [mL]	30.00
HCl [Normality]	0.10
NaOH [Normality]	0.10
NaOH to pH=8.3 [mL]	13.55
Final pH [no unit]	1.86
NP [t CaCO3/1000 t]	40.7
AP [t CaCO3/1000 t]	2.19
Net NP [t CaCO3/1000 t]	38.5
NP/AP [ratio]	18.6
Sulphur (total) [%]	0.195
Acid Leachable SO4-S [%]	0.12
Sulphide [%]	0.07
Carbon (total) [%]	0.577
Carbonate (pyro) [%]	1.59
Carbonate (HCl) [%]	2.73

*Chris Sullivan*



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



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**ABA - Modified Sobek**

**LR Report :**

**CA14571-JUN21**

\*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 CaCO<sub>3</sub> equivalent/1000 tonnes of material

Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.



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**Project :** PO#OL-999004

09-July-2021

**Date Rec. :** 24 June 2021  
**LR Report:** CA14572-JUN21  
**Reference:** P.O# 977576

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000137 -TIR02A-1002 4MS11-Ksc-w a	6: ARDG-000138 -TIR02A-1002 4MS11-Ksc-w a	7: ARDG-000139 -TIR02A-1002 4MS11-Ksc-w a	8: ARDG-000140 -TIR02A-1002 4MS11-Ksc-w a
Sample Date & Time					02-Jun-21	02-Jun-21	02-Jun-21	02-Jun-21
Ag [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	68000	57000	52000	50000
As [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	78	48	110	130
Ba [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	430	350	490	460
Be [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	1.1	0.94	1.1	1.1
Bi [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	0.28	0.18	0.18	0.21
Ca [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	15000	11000	10000	10000
Cd [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	0.13	0.10	0.13	0.13
Co [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	18	18	22	21
Cr [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	100	110	140	140
Cu [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	42	42	50	51
Fe [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	31000	28000	34000	32000
K [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	16000	13000	19000	19000
Li [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	31	29	36	34
Mg [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	12000	10000	13000	13000
Mn [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	380	290	310	310
Mo [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	1.4	1.3	1.8	1.9
Na [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	25000	27000	16000	19000
Ni [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	59	56	68	67
P [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	420	410	400	420
Pb [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	24	12	13	13
Sb [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	< 6	< 6	< 6	< 6
Sr [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	310	260	210	220
Ti [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	690	780	1000	1000

Online LIMS

0002559537

<b>Analysis</b>	<b>1: Analysis Start Date</b>	<b>2: Analysis Start Time</b>	<b>3: Analysis Approval Date</b>	<b>4: Analysis ARDG-000137 Approval -TIR02A-1002 Time 4MS11-Ksc-w</b>	<b>5: ARDG-000138 -TIR02A-1002 4MS11-Ksc-w a</b>	<b>6: ARDG-000139 -TIR02A-1002 4MS11-Ksc-w a</b>	<b>7: ARDG-000140 -TIR02A-1002 4MS11-Ksc-w a</b>	<b>8: ARDG-000140 -TIR02A-1002 4MS11-Ksc-w a</b>
Tl [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	0.35	0.31	0.42	0.41
U [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	1.4	0.65	1.4	1.3
V [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	85	75	98	94
Y [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	6.4	3.6	4.3	4.0
Zn [µg/g]	09-Jul-21	11:30	09-Jul-21	16:32	68	65	72	72

<b>Analysis</b>	<b>9: ARDG-000141 -TIR01A-1005 5MS05-Kwa-s</b>	<b>10: ARDG-000142 -TIR01A-1005 5MS05-Kwa-s</b>	<b>11: ARDG-000143 -TIR01A-1005 5MS06-Kwa-s</b>	<b>12: ARDG-000144 -TIR01A-1005 5MS12-Kwa-s</b>	<b>13: ARDG-000145 -TIR01A-1005 5MS12-Kwa-s</b>
<b>Sample Date &amp; Time</b>	06-Jun-21	10-Jun-21	13-Jun-21	17-Jun-21	18-Jun-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	56000	56000	54000	53000	55000
As [µg/g]	23	15	310	31	72
Ba [µg/g]	780	630	690	590	720
Be [µg/g]	1.0	1.0	1.2	1.0	1.2
Bi [µg/g]	0.24	0.28	0.19	0.20	0.19
Ca [µg/g]	10000	10000	8600	11000	10000
Cd [µg/g]	0.09	0.09	0.06	0.10	0.10
Co [µg/g]	19	19	24	18	24
Cr [µg/g]	130	120	120	110	97
Cu [µg/g]	47	57	40	45	46
Fe [µg/g]	30000	30000	38000	29000	39000
K [µg/g]	15000	16000	22000	15000	20000
Li [µg/g]	33	37	41	33	42
Mg [µg/g]	12000	12000	15000	11000	16000
Mn [µg/g]	280	290	250	310	350
Mo [µg/g]	1.5	1.3	1.7	1.4	1.7
Na [µg/g]	25000	24000	14000	26000	17000
Ni [µg/g]	58	58	68	56	78
P [µg/g]	430	420	420	420	460
Pb [µg/g]	14	9.1	10	12	12
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	280	250	190	300	210
Ti [µg/g]	760	750	1300	780	910
Tl [µg/g]	0.35	0.36	0.51	0.36	0.46
U [µg/g]	0.97	0.82	1.3	0.56	1.3
V [µg/g]	84	80	99	76	100
Y [µg/g]	4.5	4.3	4.6	3.5	4.8

**SGS Canada Inc.**

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**Project :** PO#OL-999004

**LR Report :** CA14572-JUN21

Analysis	9:	10:	11:	12:	13:
	ARDG-000141	ARDG-000142	ARDG-000143	ARDG-000144	ARDG-000145
	-TIR01A-1005	-TIR01A-1005	-TIR01A-1005	-TIR01A-1005	-TIR01A-1005
	5MS05-Kwa-s	5MS05-Kwa-s	5MS06-Kwa-s	5MS12-Kwa-s	5MS12-Kwa-s
Zn [µg/g]	70	69	68	67	81

Chromium may not recover completely depending on sample matrix.

*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 : Dan Gorton/Sean Arruda

Meliadine  
, Nunavut  
X0C 0A0, Canada

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

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

14-July-2021

Date Rec. : 24 June 2021  
LR Report: CA14573-JUN21  
Reference: P.O# OL-999004

Copy: #1

# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000137-1-Ksc-wa	6: TIARDG-000138-1-Ksc-wa	7: TIARDG-000139-1-Ksc-wa	8: TIARDG-000140-1-Ksc-wa	9: TIARDG-000141-5-Kwa-s	10: TIARDG-000142-5-Kwa-s	11: TIARDG-000143-6-Kwa-s	12: TIARDG-000144-2-Kwa-s
Sample weight [g]	02-Jul-21	08:21	05-Jul-21	10:44	250	250	250	250	250	250	250	250
Volume D.I. Water [mL]	02-Jul-21	08:21	05-Jul-21	10:44	750	750	750	750	750	750	750	750
Final pH [no unit]	02-Jul-21	06:56	05-Jul-21	10:44	9.42	9.46	9.11	9.17	9.28	8.96	9.33	9.36
pH [No unit]	05-Jul-21	08:10	05-Jul-21	15:55	8.55	8.61	8.30	8.42	8.46	7.97	8.22	8.32
Conductivity [uS/cm]	05-Jul-21	08:10	05-Jul-21	15:55	178	170	434	366	249	759	228	201
Alkalinity [mg/L as CaCO3]	05-Jul-21	08:10	05-Jul-21	15:55	60	57	56	57	54	42	53	49
Sulphate [mg/L]	07-Jul-21	07:35	08-Jul-21	15:35	4	10	26	23	13	48	9	12
Mercury [mg/L]	06-Jul-21	07:00	06-Jul-21	10:37	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.817	0.882	0.596	0.653	0.661	0.438	0.675	0.795
Arsenic [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.0361	0.0722	0.0476	0.0492	0.0434	0.0089	0.0405	0.0394
Barium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.00115	0.00176	0.00238	0.00209	0.00322	0.00968	0.00182	0.00219
Boron [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.017	0.015	0.021	0.021	0.013	0.024	0.017	0.012
Beryllium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	0.00001	< 0.00001
Calcium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	5.14	5.32	10.3	8.81	7.37	18.0	6.28	6.29
Cadmium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	< 0.000003	< 0.000003	< 0.000003	0.000004	0.000006	0.000003	< 0.000003	0.000006
Cobalt [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.000042	0.000068	0.000081	0.000072	0.000026	0.000150	0.000027	0.000024
Chromium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.00009	0.00020	< 0.00008	0.00011	< 0.00008	0.00021	0.00048	0.00020
Copper [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.0003	< 0.0002	0.0008	< 0.0002	< 0.0002	0.0002	0.0004	0.0005

OnLine LIMS

0002564335



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

LR Report : CA14573-JUN21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000137-1-Ksc-wa	6: TIARDG-000138-1-Ksc-wa	7: TIARDG-000139-1-Ksc-wa	8: TIARDG-000140-1-Ksc-wa	9: TIARDG-000141-5-Kwa-s	10: TIARDG-000142-5-Kwa-s	11: TIARDG-000143-6-Kwa-s	12: TIARDG-000144-2-Kwa-s
Iron [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.010	0.046	< 0.007	0.008	< 0.007	0.019	0.050	0.014
Potassium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	16.8	15.0	27.6	25.3	18.4	24.8	20.4	15.8
Lithium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.0010	0.0009	0.0013	0.0012	0.0010	0.0015	0.0005	0.0008
Manganese [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.00066	0.00097	0.00094	0.00091	0.00075	0.00186	0.00078	0.00072
Magnesium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	1.89	1.55	4.07	3.22	2.48	7.78	1.74	1.57
Molybdenum [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.00580	0.00580	0.0114	0.0109	0.00981	0.00610	0.00781	0.00961
Sodium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	20.5	19.6	53.2	46.5	29.5	105	25.2	23.3
Nickel [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.0001	0.0002	0.0004	0.0003	0.0002	0.0001	0.0002	0.0002
Phosphorus [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.054	0.044	0.046	0.057	0.049	0.010	0.056	0.037
Lead [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Antimony [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.0083	0.0075	0.0077	0.0077	0.0055	0.0030	0.0065	0.0050
Selenium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.00012	0.00010	0.00014	0.00010	0.00017	0.00022	0.00009	0.00016
Silicon [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	1.71	1.69	1.60	1.53	1.65	1.68	1.61	1.68
Tin [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Strontium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.0269	0.0244	0.0640	0.0536	0.0417	0.121	0.0348	0.0396
Titanium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.00026	0.00041	< 0.00005	0.00016	0.00014	< 0.00005	0.00055	0.00017
Thallium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	< 0.000005	< 0.000005	0.000006	0.000008	< 0.000005	0.000022	0.000005	< 0.000005
Uranium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.000380	0.000533	0.000165	0.000203	0.000143	0.000095	0.000074	0.000185
Vanadium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.00427	0.00465	0.00205	0.00232	0.00248	0.00116	0.00244	0.00326
Zinc [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	0.002	0.002	< 0.002	< 0.002	0.002	< 0.002	0.003	0.003
Zirconium [mg/L]	09-Jul-21	19:18	13-Jul-21	13:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	13: ARDG-000145-TI R01A-10055MS1 2-Kwa-s
Sample weight [g]	250
Volume D.I. Water [mL]	750
Final pH [no unit]	8.99
pH [No unit]	8.11
Conductivity [uS/cm]	585
Alkalinity [mg/L as CaCO3]	50
Sulphate [mg/L]	38
Mercury [mg/L]	< 0.00001
Silver [mg/L]	< 0.00005



SGS Canada Inc.

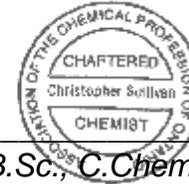
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SFE 3:1 ratio 24hr (MEND) prefilter pH

LR Report : CA14573-JUN21

Analysis	13: ARDG-000145-TI R01A-10055MS1 2-Kwa-s
Aluminum [mg/L]	0.425
Arsenic [mg/L]	0.0479
Barium [mg/L]	0.00627
Boron [mg/L]	0.017
Beryllium [mg/L]	< 0.000007
Bismuth [mg/L]	0.00001
Calcium [mg/L]	14.2
Cadmium [mg/L]	< 0.000003
Cobalt [mg/L]	0.000084
Chromium [mg/L]	0.00008
Copper [mg/L]	< 0.0002
Iron [mg/L]	< 0.007
Potassium [mg/L]	23.9
Lithium [mg/L]	0.0010
Manganese [mg/L]	0.00208
Magnesium [mg/L]	6.07
Molybdenum [mg/L]	0.00669
Sodium [mg/L]	77.7
Nickel [mg/L]	0.0003
Phosphorus [mg/L]	0.016
Lead [mg/L]	< 0.00009
Antimony [mg/L]	0.0034
Selenium [mg/L]	0.00023
Silicon [mg/L]	1.63
Tin [mg/L]	< 0.00006
Strontium [mg/L]	0.0903
Titanium [mg/L]	0.00005
Thallium [mg/L]	0.000008
Uranium [mg/L]	0.000056
Vanadium [mg/L]	0.00121
Zinc [mg/L]	< 0.002
Zirconium [mg/L]	< 0.002

*Chris Sullivan*



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

**SGS Canada Inc.**

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10-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 03 August 2021  
**LR Report:** CA14688-AUG21  
**Reference:** P.O# OL-999004

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

**Copy:** #1

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

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000146-TIRO1A-1005-5MS15-M	ARDG-000147-TIRO1A-1005-5MS15-M	ARDG-000148-TIRO1A-1005-5MS15-M
Sample Date & Time					06-Jul-21	08-Jul-21	08-Jul-21
Paste pH [no unit]	17-Aug-21	08:38	19-Aug-21	08:52	8.86	8.50	8.55
Fizz Rate [no unit]	17-Aug-21	08:38	19-Aug-21	08:52	4	4	4
Sample weight [g]	17-Aug-21	08:38	19-Aug-21	08:52	2.00	2.01	2.00
HCl_add [mL]	18-Aug-21	06:41	19-Aug-21	08:52	122.00	137.40	140.00
HCl [Normality]	17-Aug-21	08:38	19-Aug-21	08:52	0.10	0.10	0.10
NaOH [Normality]	17-Aug-21	08:38	19-Aug-21	08:52	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	18-Aug-21	06:41	19-Aug-21	08:52	31.18	52.04	41.08
Final pH [no unit]	18-Aug-21	06:41	19-Aug-21	08:52	1.93	1.58	1.68
NP [t CaCO3/1000 t]	18-Aug-21	06:41	19-Aug-21	08:52	227	212	247
AP [t CaCO3/1000 t]	07-Sep-21	16:09	07-Sep-21	16:09	4.69	13.1	4.38
Net NP [t CaCO3/1000 t]	07-Sep-21	16:09	07-Sep-21	16:09	222	199	243
NP/AP [ratio]	07-Sep-21	16:09	07-Sep-21	16:09	48.4	16.2	56.5
S [%]	03-Sep-21	12:46	07-Sep-21	16:09	0.245	0.528	0.197
Acid Leachable SO4-S [%]	07-Sep-21	16:09	07-Sep-21	16:09	0.10	0.11	0.06
Sulphide [%]	07-Sep-21	14:15	07-Sep-21	16:09	0.15	0.42	0.14
C [%]	03-Sep-21	12:46	07-Sep-21	11:03	3.09	2.91	2.94
CO3 (HCl) [%]	08-Sep-21	14:35	08-Sep-21	14:56	15.0	14.1	14.3

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000149-TIRO1A-1005-5MS14-M	ARDG-000150-TIRO1A-1005-5MS52-Kwa-s	ARDG-000158-TIRO1A-1005-5MS52-Kwa-s	ARDG-000159-TIRO1A-1005-5MS54-Kwa-s	ARDG-000160-TIRO1A-1005-5MS54-Kwa-s	ARDG-000161-TIRO1A-1005-5MS54-Kwa-s
Sample Date & Time	11-Jul-21	17-Jul-21	17-Jul-21	24-Jul-21	24-Jul-21	24-Jul-21
Paste pH [no unit]	8.73	8.74	8.86	8.98	8.78	9.10
Fizz Rate [no unit]	4	3	3	3	3	3

**SGS Canada Inc.**

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LR Report : CA14688-AUG21

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000149	ARDG-000150	ARDG-000158	ARDG-000159	ARDG-000160	ARDG-000161
	-TIRO1A-1005	-TIRO1A-1005	-TIRO1A-1005	-TIRO1A-1005	-TIRO1A-1005	-TIRO1A-1005
	5MS14-M	5MS52-Kwa-s	5MS52-Kwa-s	5MS54-Kwa-s	5MS54-Kwa-s	5MS54-Kwa-s
Sample weight [g]	2.00	2.01	2.00	2.00	2.00	2.00
HCl_add [mL]	101.00	29.00	28.10	30.00	30.20	28.70
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]	25.47	13.62	12.88	14.94	11.84	13.25
Final pH [no unit]	1.92	1.72	1.77	1.67	1.83	1.73
NP [t CaCO3/1000 t]	189	38.3	38.0	37.6	45.9	38.6
AP [t CaCO3/1000 t]	11.9	4.06	4.69	5.31	7.19	4.69
Net NP [t CaCO3/1000 t]	177	34.2	33.3	32.3	38.7	33.9
NP/AP [ratio]	15.9	9.43	8.11	7.08	6.39	8.23
S [%]	0.502	0.186	0.189	0.234	0.291	0.203
Acid Leachable SO4-S [%]	0.12	0.06	< 0.04	0.06	0.06	0.05
Sulphide [%]	0.38	0.13	0.15	0.17	0.23	0.15
C [%]	2.80	0.582	0.548	0.574	0.691	0.542
CO3 (HCl) [%]	13.6	2.48	2.38	2.35	2.88	2.36

\*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

**SGS Canada Inc.**

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

30-August-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 03 August 2021  
**LR Report:** CA14689-AUG21  
**Reference:** P.O# OL-999004

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000146-TARDG-000147-TARDG-000148-TARDG-000149-TARDG-000150-T IRO1A-10055M S15-M	6: IRO1A-10055M S15-M	7: IRO1A-10055M S15-M	8: IRO1A-10055M S14-M	9: IRO1A-10055M S52-Kwa-s
Sample Date & Time					06-Jul-21	08-Jul-21	08-Jul-21	11-Jul-21	17-Jul-21
Ag [µg/g]	16-Aug-21	14:26	18-Aug-21	12:52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	16-Aug-21	14:26	18-Aug-21	12:52	63000	38000	74000	80000	73000
As [µg/g]	16-Aug-21	14:26	18-Aug-21	12:52	25	17	8.0	83	59
Ba [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	37	22	44	92	470
Be [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	0.30	0.10	0.24	0.41	1.1
Bi [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	< 0.09	< 0.09	< 0.09	< 0.09	0.21
Ca [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	72000	65000	80000	71000	8300
Cd [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	0.10	0.17	0.07	0.11	0.08
Co [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	37	41	41	44	20
Cr [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	83	73	130	130	140
Cu [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	79	91	99	101	48
Fe [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	57000	64000	57000	62000	35000
K [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	2100	1100	2700	4600	17000
Li [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	60	45	67	55	34
Mg [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	21000	22000	27000	17000	13000
Mn [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	1400	1500	1700	2000	320
Mo [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	0.3	0.2	0.1	0.3	1.4
Na [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	8700	620	11000	11000	19000
Ni [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	96	85	112	95	65
P [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	210	200	140	260	440
Pb [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	6	2	3	6	10
Sb [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	16-Aug-21	14:26	18-Aug-21	12:53	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	16-Aug-21	14:26	18-Aug-21	12:54	91	43	94	96	210
Ti [µg/g]	16-Aug-21	14:26	18-Aug-21	12:54	320	350	220	3400	630
Tl [µg/g]	16-Aug-21	14:26	18-Aug-21	12:54	0.09	0.05	0.09	0.20	0.41
U [µg/g]	16-Aug-21	14:26	18-Aug-21	12:54	0.051	0.055	0.041	0.090	1.30
V [µg/g]	16-Aug-21	14:26	18-Aug-21	12:54	170	140	170	230	92
Y [µg/g]	16-Aug-21	14:26	18-Aug-21	12:54	5.12	4.52	8.57	6.05	3.76
Zn [µg/g]	16-Aug-21	14:26	18-Aug-21	12:54	69	89	63	83	72

**SGS Canada Inc.**

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LR Report : CA14689-AUG21

Analysis	10: ARDG-000158-T IRO1A-10055MSIRO1A-10055MS 52-Kwa-s	11: ARDG-000159-T IRO1A-10055MSIRO1A-10055MS 54-Kwa-s	12: ARDG-000160-T IRO1A-10055MSIRO1A-10055MS 54-Kwa-s	13: ARDG-000161-T IRO1A-10055MSIRO1A-10055MS 54-Kwa-s
Sample Date & Time	17-Jul-21	24-Jul-21	24-Jul-21	24-Jul-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	66000	64000	60000	70000
As [µg/g]	51	73	350	125
Ba [µg/g]	440	500	520	500
Be [µg/g]	1.1	1.2	0.96	1.1
Bi [µg/g]	0.19	0.23	0.20	0.37
Ca [µg/g]	8800	8500	13000	8300
Cd [µg/g]	0.10	0.09	0.11	0.07
Co [µg/g]	18	20	15	17
Cr [µg/g]	120	140	110	110
Cu [µg/g]	42	46	38	38
Fe [µg/g]	34000	33000	27000	35000
K [µg/g]	16000	16000	12000	16000
Li [µg/g]	34	37	29	40
Mg [µg/g]	13000	13000	8900	13000
Mn [µg/g]	300	290	290	280
Mo [µg/g]	1.2	1.8	1.4	1.5
Na [µg/g]	18000	20000	24000	18000
Ni [µg/g]	61	64	47	62
P [µg/g]	410	400	350	410
Pb [µg/g]	11	14	13	11
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	200	200	260	190
Ti [µg/g]	780	780	650	650
Tl [µg/g]	0.37	0.38	0.30	0.37
U [µg/g]	1.26	1.26	0.52	1.37
V [µg/g]	89	89	66	86
Y [µg/g]	3.71	3.96	3.08	4.13
Zn [µg/g]	69	70	67	65

Chromium may not recover completely depending on sample matrix.

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

**SGS Canada Inc.**

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30-August-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 03 August 2021  
**LR Report:** CA14690-AUG21  
**Reference:** P.O# OL-999004

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

**Copy:** #1

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000146-TARDG-000147-TARDG-000148-TARDG-000149-TARDG-000150-T IRO1A-10055M S15-M	6: IRO1A-10055M S15-M	7: IRO1A-10055M S15-M	8: IRO1A-10055M S14-M	9: IRO1A-10055M S52-Kwa-s
Sample Date & Time					06-Jul-21	08-Jul-21	08-Jul-21	11-Jul-21	17-Jul-21
Sample weight [g]	18-Aug-21	08:47	19-Aug-21	08:32	250	250	250	250	250
Volume D.I. Water [mL]	18-Aug-21	08:47	19-Aug-21	08:32	750	750	750	750	750
Final pH [no unit]	19-Aug-21	08:00	19-Aug-21	08:32	8.91	8.64	8.83	8.59	8.87
pH [No unit]	19-Aug-21	14:04	20-Aug-21	10:09	8.26	8.08	8.06	8.24	8.20
Conductivity [uS/cm]	19-Aug-21	14:04	20-Aug-21	10:09	273	421	396	357	566
Alkalinity [mg/L as CaCO3]	19-Aug-21	14:04	20-Aug-21	10:09	60	55	41	62	48
SO4 [mg/L]	20-Aug-21	14:29	24-Aug-21	06:39	24	67	22	49	48
Hg [mg/L]	20-Aug-21	12:30	26-Aug-21	14:22	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.433	0.219	0.350	0.449	0.393
As [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.0010	0.0012	0.0021	0.0483	0.0586
Ba [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.00068	0.00199	0.00094	0.00078	0.00381
B [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.013	0.011	0.014	0.016	0.018
Be [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	9.23	19.4	14.1	18.2	15.3
Cd [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.000006	< 0.000003	< 0.000003	0.000003	0.000006
Co [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.000018	0.000111	0.000041	0.000331	0.000336
Cr [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.00009	0.00222	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.0002	0.0004	< 0.0002	< 0.0002	< 0.0002
Fe [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.007	1.03	< 0.007	< 0.007	< 0.007
K [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	2.12	5.14	5.00	6.38	21.0
Li [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.0010	0.0008	0.0008	0.0014	0.0010
Mn [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.00222	0.0219	0.00260	0.00656	0.00189
Mg [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	3.40	8.14	3.24	5.55	6.36
Mo [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.00341	0.00413	0.00277	0.00334	0.00678
Na [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	33.4	31.8	48.5	38.4	63.8
Ni [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.0001	0.0021	< 0.0001	0.0002	0.0003
P [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.003	< 0.003	0.003	< 0.003	< 0.003
Pb [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.0009	< 0.0009	< 0.0009	0.0038	0.0057
Se [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.00034	0.00079	0.00022	0.00139	0.00045
Si [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.73	0.71	0.83	1.14	1.25

**SGS Canada Inc.**

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**LR Report : CA14690-AUG21**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000146-TARDG-000147-TARDG-000148-TARDG-000149-TARDG-000150-T IRO1A-10055M S15-M	6: IRO1A-10055M S15-M	7: IRO1A-10055M S15-M	8: IRO1A-10055M S14-M	9: IRO1A-10055M S14-M
Sn [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.00006	0.00014	0.00135	< 0.00006	< 0.00006
Sr [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.0185	0.0498	0.0362	0.0286	0.100
Ti [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.00010
Tl [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.000005	0.000010	0.000007	0.000012	0.000010
U [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.000010	0.000030	0.000017	0.000030	0.000177
V [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	0.00083	0.00086	0.00089	0.00151	0.00130
Zn [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.002	0.004	< 0.002	< 0.002	< 0.002
Zr [mg/L]	23-Aug-21	01:30	26-Aug-21	14:22	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: ARDG-000158-TARDG-000159-TARDG-000160-TARDG-000161-TARDG-000161-T IRO1A-10055MSIRO1A-10055MSIRO1A-10055MSIRO1A-10055MSIRO1A-10055MS 52-Kwa-s	11: 54-Kwa-s	12: 54-Kwa-s	13: 54-Kwa-s	14: 54-Kwa-s
Sample Date & Time	17-Jul-21	24-Jul-21	24-Jul-21	24-Jul-21	
Sample weight [g]	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750
Final pH [no unit]	8.75	9.08	8.69	9.21	9.20
pH [No unit]	8.08	8.31	8.13	8.38	8.39
Conductivity [uS/cm]	543	424	651	262	250
Alkalinity [mg/L as CaCO3]	49	47	54	49	50
SO4 [mg/L]	48	38	71	22	21
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.408	0.419	0.397	0.594	0.639
As [mg/L]	0.0577	0.0782	0.0397	0.0466	0.0493
Ba [mg/L]	0.00423	0.00261	0.00760	0.00164	0.00176
B [mg/L]	0.016	0.013	0.015	0.011	0.012
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00001	0.00002
Ca [mg/L]	16.5	9.30	18.8	7.55	7.95
Cd [mg/L]	< 0.000003	< 0.000003	0.000011	0.000008	0.000005
Co [mg/L]	0.000256	0.000090	0.000053	0.000020	0.000018
Cr [mg/L]	< 0.00008	0.00011	0.00010	0.00011	0.00012
Cu [mg/L]	< 0.0002	< 0.0002	< 0.0002	0.0002	0.0004
Fe [mg/L]	< 0.007	0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	20.1	18.6	20.5	15.5	16.1
Li [mg/L]	0.0011	0.0007	0.0017	0.0006	0.0006
Mn [mg/L]	0.00218	0.00121	0.00269	0.00058	0.00062
Mg [mg/L]	5.69	3.22	7.42	2.09	2.20
Mo [mg/L]	0.00873	0.00966	0.0624	0.00948	0.0104
Na [mg/L]	59.2	47.7	77.2	25.7	25.9
Ni [mg/L]	0.0004	0.0003	0.0002	0.0001	0.0001
P [mg/L]	< 0.003	< 0.003	< 0.003	0.018	0.018
Pb [mg/L]	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0050	0.0046	0.0033	0.0048	0.0051
Se [mg/L]	0.00048	0.00036	0.00081	0.00012	0.00012
Si [mg/L]	1.54	1.12	1.50	1.00	1.06
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.109	0.0615	0.140	0.0432	0.0437
Ti [mg/L]	< 0.00005	< 0.00005	0.00005	< 0.00005	0.00009
Tl [mg/L]	0.000011	0.000005	0.000025	0.000007	0.000006

**SGS Canada Inc.**

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LR Report : CA14690-AUG21

Analysis	10: ARDG-000158-T IRO1A-10055MS 52-Kwa-s	11: ARDG-000159-T IRO1A-10055MS 54-Kwa-s	12: ARDG-000160-T IRO1A-10055MS 54-Kwa-s	13: ARDG-000161-T IRO1A-10055MS 54-Kwa-s	14: ARDG-000161-T IRO1A-10055MS 54-Kwa-s
U [mg/L]	0.000243	0.000309	0.000365	0.000179	0.000156
V [mg/L]	0.00160	0.00185	0.00121	0.00201	0.00213
Zn [mg/L]	< 0.002	< 0.002	< 0.002	0.006	0.002
Zr [mg/L]	< 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





mel

**SGS Canada Inc.**

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17-June-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 20 May 2021  
**LR Report:** CA14758-MAY21  
**Reference:** P.O.# 770080

Meliadine  
, Nunavut  
X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000128 -TIR02A-1002 4MS09-Kwa-s	ARDG-000129 -TIR02A-1002 4MS09-Kwa-s	ARDG-000130 -TIR02A-1002 4MS09-Kwa-s
Sample Date & Time					25-Apr-21	25-Apr-21	01-May-21
Paste pH [no unit]	03-Jun-21	14:15	07-Jun-21	07:51	9.33	9.36	9.28
Fizz Rate [no unit]	03-Jun-21	14:15	07-Jun-21	07:51	3	3	3
Sample weight [g]	03-Jun-21	14:15	07-Jun-21	07:51	2.01	1.97	1.95
HCl_add [mL]	04-Jun-21	12:45	07-Jun-21	07:51	32.60	33.80	36.70
HCl [Normality]	03-Jun-21	14:15	07-Jun-21	07:51	0.10	0.10	0.10
NaOH [Normality]	03-Jun-21	14:15	07-Jun-21	07:51	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	04-Jun-21	14:20	07-Jun-21	07:51	12.75	15.18	16.28
Final pH [no unit]	04-Jun-21	14:20	07-Jun-21	07:51	1.88	1.78	1.87
NP [t CaCO3/1000 t]	04-Jun-21	14:20	07-Jun-21	07:51	49.4	47.3	52.4
AP [t CaCO3/1000 t]	15-Jun-21	17:57	15-Jun-21	17:57	8.75	8.75	4.69
Net NP [t CaCO3/1000 t]	15-Jun-21	17:57	15-Jun-21	17:57	40.6	38.6	47.7
NP/AP [ratio]	15-Jun-21	17:57	15-Jun-21	17:57	5.65	5.41	11.2
S [%]	14-Jun-21	13:41	15-Jun-21	17:56	0.248	0.323	0.233
Acid Leachable SO4-S [%]	15-Jun-21	13:47	15-Jun-21	17:56	< 0.04	0.04	0.08
Sulphide [%]	15-Jun-21	13:47	15-Jun-21	17:56	0.28	0.28	0.15
C [%]	14-Jun-21	13:41	15-Jun-21	13:14	0.688	0.683	0.784
CO3 (HCl) [%]	16-Jun-21	07:05	16-Jun-21	08:43	3.09	3.05	3.60

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000131 -TIR02A-1002 4MS09-Kwa-s	ARDG-000132 -TIR02A-1002 4MS09-Kwa-s	ARDG-000133 -TIR02A-1002 4MS09-Kwa-s	ARDG-000134 -TIR02A-1001 9SU01-Kwa-s	ARDG-000135 -TIR02A-1001 9SU01-Kwa-s	ARDG-000136 -TIR02A-1001 9SU01-Kwa-s
Sample Date & Time	01-May-21	06-May-21	06-May-21	13-May-21	13-May-21	13-May-21
Paste pH [no unit]	9.25	9.23	9.14	9.47	9.34	9.41
Fizz Rate [no unit]	3	3	3	3	3	3

Online LIMS

0002533583

**SGS Canada Inc.**

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**LR Report : CA14758-MAY21**

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000131	ARDG-000132	ARDG-000133	ARDG-000134	ARDG-000135	ARDG-000136
	-TIR02A-1002	-TIR02A-1002	-TIR02A-1002	-TIR02A-1001	-TIR02A-1001	-TIR02A-1001
	4MS09-Kwa-s	4MS09-Kwa-s	4MS09-Kwa-s	9SU01-Kwa-s	9SU01-Kwa-s	9SU01-Kwa-s
Sample weight [g]	2.02	2.10	2.12	2.12	2.06	2.01
HCl_add [mL]	50.00	32.40	32.20	38.10	32.80	32.50
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]	25.37	16.00	12.56	15.64	14.03	14.71
Final pH [no unit]	1.68	1.75	1.94	1.80	1.91	1.76
NP [t CaCO3/1000 t]	61.0	39.1	46.3	53.0	45.5	44.3
AP [t CaCO3/1000 t]	9.06	5.31	5.31	4.38	5.94	4.69
Net NP [t CaCO3/1000 t]	51.9	33.8	41.0	48.6	39.6	39.6
NP/AP [ratio]	6.73	7.36	8.72	12.1	7.66	9.45
S [%]	0.374	0.254	0.264	0.192	0.193	0.177
Acid Leachable SO4-S [%]	0.08	0.08	0.09	0.05	< 0.04	< 0.04
Sulphide [%]	0.29	0.17	0.17	0.14	0.19	0.15
C [%]	0.889	0.550	0.638	0.769	0.629	0.620
CO3 (HCl) [%]	4.07	2.41	2.83	3.72	3.08	3.01

\*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

**SGS Canada Inc.**

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10-June-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 20 May 2021  
**LR Report:** CA14759-MAY21  
**Reference:** P.O.# 770080

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

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	ARDG-000128 -TIR02A-1002 4MS09-Kwa-s	ARDG-000129 -TIR02A-1002 4MS09-Kwa-s	ARDG-000130 -TIR02A-1002 4MS09-Kwa-s
Sample Date & Time					25-Apr-21	25-Apr-21	01-May-21
Ag [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	< 0.5	< 0.5	< 0.5
Al [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	67000	74000	79000
As [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	36	34	120
Ba [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	560	410	610
Be [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	1.0	0.83	1.0
Bi [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	0.23	0.27	0.20
Ca [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	13000	14000	14000
Cd [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	0.08	0.08	0.08
Co [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	21	17	19
Cr [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	130	120	130
Cu [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	54	39	43
Fe [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	40000	31000	44000
K [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	20000	14000	19000
Li [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	34	25	30
Mg [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	13000	10000	13000
Mn [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	360	290	270
Mo [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	1.4	1.3	1.6
Na [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	14000	21000	19000
Ni [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	68	52	64
P [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	420	380	420
Pb [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	8	10	9
Sb [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	< 0.8	< 0.8	< 0.8
Se [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	< 0.7	< 0.7	< 0.7
Sn [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	< 6	< 6	< 6
Sr [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	220	280	250
Ti [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	3000	2000	3100

**SGS Canada Inc.**

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LR Report : CA14759-MAY21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis ARDG-000128 Approval -TIR02A-1002 Time 4MS09-Kwa-s	5: ARDG-000129 -TIR02A-1002 4MS09-Kwa-s	6: ARDG-000130 -TIR02A-1002 4MS09-Kwa-s	7:
Tl [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	0.44	0.29	0.43
U [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	1.4	1.6	1.5
V [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	110	78	98
Y [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	4.8	8.7	7.2
Zn [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	67	56	68

Analysis	8: ARDG-000131 -TIR02A-1002 4MS09-Kwa-s	9: ARDG-000132 -TIR02A-1002 4MS09-Kwa-s	10: ARDG-000133 -TIR02A-1002 4MS09-Kwa-s	11: ARDG-000134 -TIR02A-1001 9SU01-Kwa-s	12: ARDG-000135 -TIR02A-1001 9SU01-Kwa-s	13: ARDG-000136 -TIR02A-1001 9SU01-Kwa-s
Sample Date & Time	01-May-21	06-May-21	06-May-21	13-May-21	13-May-21	13-May-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	76000	49000	78000	75000	66000	68000
As [µg/g]	50	23	24	40	220	130
Ba [µg/g]	620	540	700	470	460	420
Be [µg/g]	1.1	0.98	0.99	0.93	0.95	0.89
Bi [µg/g]	0.22	0.13	0.16	0.15	0.47	0.41
Ca [µg/g]	16000	8400	15000	14000	11000	11000
Cd [µg/g]	0.10	0.07	0.10	0.07	0.08	0.07
Co [µg/g]	21	19	21	19	19	19
Cr [µg/g]	130	130	110	82	110	110
Cu [µg/g]	55	41	47	34	38	39
Fe [µg/g]	51000	34000	38000	30000	36000	39000
K [µg/g]	19000	19000	18000	17000	15000	15000
Li [µg/g]	31	34	39	25	29	30
Mg [µg/g]	13000	13000	15000	10000	12000	12000
Mn [µg/g]	350	330	410	240	310	320
Mo [µg/g]	1.5	1.5	1.3	11	1.4	1.4
Na [µg/g]	16000	17000	19000	23000	23000	23000
Ni [µg/g]	66	67	64	56	57	59
P [µg/g]	510	400	400	390	400	410
Pb [µg/g]	10	9	11	8	24	20
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	260	210	270	260	230	230
Ti [µg/g]	3300	1800	1700	2300	2500	2700
Tl [µg/g]	0.44	0.39	0.40	0.40	0.32	0.31
U [µg/g]	1.5	1.4	1.4	1.3	1.4	1.3
V [µg/g]	99	90	96	72	83	90
Y [µg/g]	7.4	3.7	8.1	6.2	5.2	5.4

**SGS Canada Inc.**

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LR Report : CA14759-MAY21

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000131	ARDG-000132	ARDG-000133	ARDG-000134	ARDG-000135	ARDG-000136
	-TIR02A-1002	-TIR02A-1002	-TIR02A-1002	-TIR02A-1001	-TIR02A-1001	-TIR02A-1001
	4MS09-Kwa-s	4MS09-Kwa-s	4MS09-Kwa-s	9SU01-Kwa-s	9SU01-Kwa-s	9SU01-Kwa-s
Zn [µg/g]	67	77	74	54	68	72

Chromium may not recover completely depending on sample matrix.

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

**SGS Canada Inc.**

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17-June-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 20 May 2021  
**LR Report:** CA14760-MAY21  
**Reference:** P.O.# 770080

Meliadine,  
 Canada, X0C 0A0  
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**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	ARDG-000128 -TIR02A-1002 4MS09-Kwa-s	ARDG-000129 -TIR02A-1002 4MS09-Kwa-s	ARDG-000130 -TIR02A-1002 4MS09-Kwa-s
Sample Date & Time					25-Apr-21	25-Apr-21	01-May-21
Sample weight [g]	06-Jun-21	09:33	07-Jun-21	09:21	250	250	250
Volume D.I. Water [mL]	06-Jun-21	09:33	07-Jun-21	09:21	750	750	750
Final pH [no unit]	07-Jun-21	07:35	07-Jun-21	09:21	9.21	9.14	9.26
pH [No unit]	08-Jun-21	08:05	10-Jun-21	16:58	8.15	8.55	8.68
Conductivity [uS/cm]	08-Jun-21	08:05	09-Jun-21	19:59	198	232	234
Alkalinity [mg/L as CaCO3]	08-Jun-21	08:05	09-Jun-21	19:59	61	58	66
SO4 [mg/L]	14-Jun-21	11:37	14-Jun-21	15:51	11	36	12
Hg [mg/L]	09-Jun-21	03:15	10-Jun-21	12:35	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.820	0.832	0.856
As [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.0611	0.0329	0.154
Ba [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.00167	0.00188	0.00223
B [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.016	0.016	0.018
Be [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.00002	0.00001	< 0.00001
Ca [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	7.46	11.3	8.12
Cd [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.000004	0.000022	0.000012
Co [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.000127	0.000070	0.000072
Cr [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	< 0.00008	0.00015	< 0.00008
Cu [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.0006	0.0002	0.0003
Fe [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	< 0.007	< 0.007	< 0.007
K [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	24.3	22.6	26.6
Li [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.0009	0.0014	0.0009
Mn [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.00059	0.00129	0.00079
Mg [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	2.02	3.66	2.68
Mo [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.00750	0.0115	0.00798

**SGS Canada Inc.**

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LR Report : CA14760-MAY21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis ARDG-000128 Approval -TIR02A-1002 Time 4MS09-Kwa-s	5: ARDG-000129 -TIR02A-1002 4MS09-Kwa-s	6: ARDG-000130 -TIR02A-1002 4MS09-Kwa-s	7:
Na [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	17.2	21.3	24.7
Ni [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.0002	0.0002	0.0003
P [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.051	0.046	0.056
Pb [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.0103	0.0094	0.0095
Se [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.00022	0.00040	0.00016
Si [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	1.90	2.15	2.06
Sn [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.00011	< 0.00006	< 0.00006
Sr [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.0310	0.0467	0.0362
Ti [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.00024	0.00015	0.00038
Tl [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.000008	0.000009	0.000030
U [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.000169	0.000428	0.000258
V [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	0.00318	0.00274	0.00317
Zn [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	< 0.002	< 0.002	< 0.002
Zr [mg/L]	11-Jun-21	15:59	17-Jun-21	17:55	< 0.002	< 0.002	< 0.002

Analysis	8: ARDG-000131 -TIR02A-1002 4MS09-Kwa-s	9: ARDG-000132 -TIR02A-1002 4MS09-Kwa-s	10: ARDG-000133 -TIR02A-1002 4MS09-Kwa-s	11: ARDG-000134 -TIR02A-1001 9SU01-Kwa-s	12: ARDG-000135 -TIR02A-1001 9SU01-Kwa-s	13: ARDG-000136 -TIR02A-1001 9SU01-Kwa-s
Sample Date & Time	01-May-21	06-May-21	06-May-21	13-May-21	13-May-21	13-May-21
Sample weight [g]	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
Final pH [no unit]	9.26	9.14	8.96	9.33	9.27	9.29
pH [No unit]	8.00	8.21	8.20	8.70	8.53	8.32
Conductivity [uS/cm]	195	236	321	174	178	171
Alkalinity [mg/L as CaCO3]	66	57	54	61	56	56
SO4 [mg/L]	5	39	52	4	6	3
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.821	0.757	0.570	0.731	0.879	0.816
As [mg/L]	0.0481	0.0580	0.0456	0.129	0.0707	0.0933
Ba [mg/L]	0.00196	0.00250	0.00392	0.00179	0.00210	0.00181
B [mg/L]	0.014	0.018	0.023	0.019	0.014	0.014
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	7.96	9.76	13.3	8.62	8.96	8.37
Cd [mg/L]	0.000012	0.000007	0.000045	0.000007	0.000005	0.000025
Co [mg/L]	0.000102	0.000065	0.000076	0.000089	0.000139	0.000083
Cr [mg/L]	0.00008	< 0.00008	0.00009	< 0.00008	0.00009	0.00014
Cu [mg/L]	0.0004	< 0.0002	0.0003	< 0.0002	0.0005	0.0019

**SGS Canada Inc.**

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LR Report : CA14760-MAY21

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000131	ARDG-000132	ARDG-000133	ARDG-000134	ARDG-000135	ARDG-000136
	-TIR02A-1002	-TIR02A-1002	-TIR02A-1002	-TIR02A-1001	-TIR02A-1001	-TIR02A-1001
	4MS09-Kwa-s	4MS09-Kwa-s	4MS09-Kwa-s	9SU01-Kwa-s	9SU01-Kwa-s	9SU01-Kwa-s
Fe [mg/L]	< 0.007	< 0.007	0.009	< 0.007	< 0.007	0.007
K [mg/L]	23.7	26.4	26.8	17.5	17.1	17.2
Li [mg/L]	0.0008	0.0013	0.0016	0.0252	0.0015	0.0014
Mn [mg/L]	0.00058	0.00088	0.00156	0.00073	0.00065	0.00072
Mg [mg/L]	2.47	3.25	4.07	2.45	2.10	1.97
Mo [mg/L]	0.00531	0.00658	0.0422	0.00965	0.00872	0.0530
Na [mg/L]	17.0	19.8	32.7	16.8	16.9	16.4
Ni [mg/L]	0.0007	0.0002	0.0002	0.0003	0.0001	0.0002
P [mg/L]	0.046	0.028	0.054	0.029	0.022	0.016
Pb [mg/L]	< 0.00009	< 0.00009	0.00011	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0068	0.0085	0.0068	0.0074	0.0061	0.0071
Se [mg/L]	0.00020	0.00031	0.00027	0.00011	0.00013	0.00010
Si [mg/L]	1.89	2.02	2.28	2.89	2.19	2.21
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0342	0.0401	0.0555	0.0309	0.0339	0.0304
Ti [mg/L]	0.00014	0.00013	0.00023	0.00011	0.00013	0.00030
Tl [mg/L]	0.000005	0.000010	0.000014	0.000119	0.000006	0.000007
U [mg/L]	0.000164	0.000205	0.000187	0.000149	0.000131	0.000137
V [mg/L]	0.00219	0.00260	0.00196	0.00444	0.00331	0.00415
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

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



mel

**SGS Canada Inc.**

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30-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 05 November 2021  
**LR Report:** CA15108-NOV21  
**Reference:** P.O# OL-999004

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, Nunavut  
X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000180 -TIR01A-1004 5MS12-M	ARDG-000181 -TIR01A-1004 5MS10-Kwa-s	ARDG-000182 -TIR01A-1004 5MS10-Kwa-s
Sample Date & Time					02-Oct-21	06-Oct-21	07-Oct-21
Paste pH [no unit]	25-Nov-21	08:00	26-Nov-21	14:34	8.63	9.13	9.11
Fizz Rate [no unit]	25-Nov-21	08:00	26-Nov-21	14:34	4	4	4
Sample weight [g]	25-Nov-21	08:00	26-Nov-21	14:34	2.01	2.00	2.01
HCl_add [mL]	26-Nov-21	06:20	26-Nov-21	14:34	146.00	40.00	40.00
HCl [Normality]	25-Nov-21	08:00	26-Nov-21	14:34	0.10	0.10	0.10
NaOH [Normality]	25-Nov-21	08:00	26-Nov-21	14:34	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	26-Nov-21	08:11	26-Nov-21	14:34	40.26	23.88	21.49
Final pH [no unit]	26-Nov-21	08:11	26-Nov-21	14:34	1.87	1.70	1.77
NP [t CaCO3/1000 t]	26-Nov-21	08:11	26-Nov-21	14:34	263	40.3	46.0
AP [t CaCO3/1000 t]	26-Nov-21	14:33	26-Nov-21	14:34	5.00	3.75	4.06
Net NP [t CaCO3/1000 t]	26-Nov-21	14:33	26-Nov-21	14:34	258	36.6	41.9
NP/AP [ratio]	26-Nov-21	14:33	26-Nov-21	14:34	52.6	10.7	11.3
S [%]	24-Nov-21	21:55	26-Nov-21	09:20	0.215	0.187	0.230
Acid Leachable SO4-S [%]	26-Nov-21	09:20	26-Nov-21	09:20	0.06	0.07	0.10
Sulphide [%]	25-Nov-21	08:50	26-Nov-21	09:20	0.16	0.12	0.13
C [%]	24-Nov-21	21:55	26-Nov-21	09:20	3.22	0.610	0.671
CO3 (HCl) [%]	25-Nov-21	15:34	26-Nov-21	09:20	15.8	2.38	2.81

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000183 -TIR01A-1004 OMS52-Kwa-s	ARDG-000184 -TIR01A-1004 OMS57-Kwa-s	ARDG-000185 -TIR01A-1004 OMS57-Kwa-s	ARDG-000186 -TIR01A-1004 OMS54-M	ARDG-000187 -TIR01A-1004 OMS54-M	ARDG-000188 -TIR01A-1004 OMS54-M
Sample Date & Time	10-Oct-21	19-Oct-21	19-Oct-21	20-Oct-21	20-Oct-21	21-Oct-21
Paste pH [no unit]	8.97	8.77	8.87	8.70	8.72	8.51
Fizz Rate [no unit]	4	4	4	4	4	4

Online LIMS

0002729366

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**LR Report : CA15108-NOV21**

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000183	ARDG-000184	ARDG-000185	ARDG-000186	ARDG-000187	ARDG-000188
	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004
	OMS52-Kwa-s	OMS57-Kwa-s	OMS57-Kwa-s	OMS54-M	OMS54-M	OMS54-M
Sample weight [g]	2.03	2.01	2.02	2.01	2.02	2.00
HCl_add [mL]	42.50	40.00	40.00	145.00	160.00	180.00
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]	21.35	24.18	24.14	61.14	43.06	44.67
Final pH [no unit]	1.84	1.63	1.64	1.67	1.92	1.86
NP [t CaCO3/1000 t]	52.1	39.4	39.2	209	290	338
AP [t CaCO3/1000 t]	5.62	4.69	4.69	7.19	15.9	8.75
Net NP [t CaCO3/1000 t]	46.5	34.7	34.5	201	274	330
NP/AP [ratio]	9.26	8.41	8.36	29.0	18.2	38.7
S [%]	0.303	0.223	0.240	0.260	0.556	0.405
Acid Leachable SO4-S [%]	0.12	0.07	0.09	< 0.04	0.05	0.12
Sulphide [%]	0.18	0.15	0.15	0.23	0.51	0.28
C [%]	0.826	0.506	0.494	2.68	3.72	4.16
CO3 (HCl) [%]	3.64	2.13	2.09	13.1	18.4	20.4

\*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

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30-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 05 November 2021  
**LR Report:** CA15109-NOV21  
**Reference:** P.O# OL-999004

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 , Nunavut  
 X0C 0A0, Canada

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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-000180 -TIR01A-1004 5MS12-M	6: ARDG-000181 -TIR01A-1004 5MS10-Kwa-s	7: ARDG-000182 -TIR01A-1004 5MS10-Kwa-s
Sample Date & Time					02-Oct-21	06-Oct-21	07-Oct-21
Ag [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	< 0.5	< 0.5	< 0.5
Al [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	64000	83000	81000
As [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	11	61	41
Ba [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	150	850	880
Be [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	0.26	1.0	1.1
Bi [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	< 0.09	0.28	0.71
Ca [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	94000	11000	14000
Cd [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	0.16	0.12	0.13
Co [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	51	25	22
Cr [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	107	109	141
Cu [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	120	57	53
Fe [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	82000	51000	43000
K [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	4900	21000	18000
Li [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	55	43	35
Mg [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	29000	19000	15000
Mn [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	2100	440	380
Mo [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	0.2	1.9	1.6
Na [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	15000	19000	24000
Ni [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	130	88	71
P [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	170	500	520
Pb [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	3	15	63
Sb [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	< 0.8	< 0.8	< 0.8
Se [µg/g]	19-Nov-21	09:57	22-Nov-21	10:33	< 0.7	< 0.7	< 0.7
Sn [µg/g]	19-Nov-21	09:57	22-Nov-21	10:35	< 6	< 6	< 6
Sr [µg/g]	19-Nov-21	09:57	22-Nov-21	10:35	100	320	410
Ti [µg/g]	19-Nov-21	09:57	22-Nov-21	10:35	2000	870	1100

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LR Report : CA15109-NOV21

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000180 -TIR01A-1004 5MS12-M	ARDG-000181 -TIR01A-1004 5MS10-Kwa-s	ARDG-000182 -TIR01A-1004 5MS10-Kwa-s
Tl [µg/g]	19-Nov-21	09:57	22-Nov-21	10:35	0.23	0.49	0.47
U [µg/g]	19-Nov-21	09:57	22-Nov-21	10:35	0.06	1.6	1.5
V [µg/g]	19-Nov-21	09:57	22-Nov-21	10:35	210	120	97
Y [µg/g]	19-Nov-21	09:57	22-Nov-21	10:35	9.6	7.3	7.4
Zn [µg/g]	19-Nov-21	09:57	22-Nov-21	10:35	100	99	91

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000183 -TIR01A-1004 OMS52-Kwa-s	ARDG-000184 -TIR01A-1004 OMS57-Kwa-s	ARDG-000185 -TIR01A-1004 OMS57-Kwa-s	ARDG-000186 -TIR01A-1004 OMS54-M	ARDG-000187 -TIR01A-1004 OMS54-M	ARDG-000188 -TIR01A-1004 OMS54-M
Sample Date & Time	10-Oct-21	19-Oct-21	19-Oct-21	20-Oct-21	20-Oct-21	21-Oct-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	72000	74000	75000	73000	65000	55000
As [µg/g]	430	29	35	50	96	8.6
Ba [µg/g]	700	710	690	54	110	35
Be [µg/g]	1.1	0.90	0.88	0.26	0.32	0.17
Bi [µg/g]	0.32	0.21	0.21	< 0.09	< 0.09	< 0.09
Ca [µg/g]	14000	12000	13000	76000	100000	120000
Cd [µg/g]	0.09	0.12	0.14	0.21	0.19	0.18
Co [µg/g]	27	21	22	53	52	48
Cr [µg/g]	150	93	78	88	80	61
Cu [µg/g]	50	60	63	140	130	130
Fe [µg/g]	51000	42000	43000	91000	78000	80000
K [µg/g]	21000	15000	15000	2000	6100	2300
Li [µg/g]	32	34	34	57	51	44
Mg [µg/g]	15000	14000	15000	23000	21000	26000
Mn [µg/g]	350	370	370	2900	2300	2500
Mo [µg/g]	1.9	1.5	1.5	0.3	0.3	0.4
Na [µg/g]	18000	26000	26000	18000	8000	12000
Ni [µg/g]	77	68	70	120	120	120
P [µg/g]	540	490	470	290	220	160
Pb [µg/g]	23	9	10	4	5	4
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	290	380	370	100	130	120
Ti [µg/g]	2600	1200	1100	2900	2300	2600
Tl [µg/g]	0.48	0.34	0.36	0.08	0.28	0.10
U [µg/g]	1.4	1.3	1.3	0.08	0.09	0.06
V [µg/g]	110	90	90	240	220	180
Y [µg/g]	6.3	7.7	7.7	7.6	8.2	13

**SGS Canada Inc.**

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LR Report : CA15109-NOV21

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000183	ARDG-000184	ARDG-000185	ARDG-000186	ARDG-000187	ARDG-000188
	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004
	OMS52-Kwa-s	OMS57-Kwa-s	OMS57-Kwa-s	OMS54-M	OMS54-M	OMS54-M
Zn [µg/g]	81	83	85	125	90	91

*Catharine Arnold*  
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19-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 05 November 2021  
**LR Report:** CA15110-NOV21  
**Reference:** P.O# OL-999004

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000180 -TIR01A-1004 5MS12-M	ARDG-000181 -TIR01A-1004 5MS10-Kwa-s	ARDG-000182 -TIR01A-1004 5MS10-Kwa-s
Sample Date & Time					02-Oct-21	06-Oct-21	07-Oct-21
Sample weight [g]	11-Nov-21	10:54	12-Nov-21	12:36	250	250	250
Volume D.I. Water [mL]	11-Nov-21	10:54	12-Nov-21	12:36	750	750	750
Final pH [no unit]	12-Nov-21	09:18	12-Nov-21	12:36	8.78	9.03	9.10
Hg [mg/L]	18-Nov-21	07:36	18-Nov-21	11:07	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.545	0.784	0.787
As [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.0014	0.0828	0.0799
Ba [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.00133	0.00391	0.00373
B [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.014	0.024	0.018
Be [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	13.6	7.76	8.20
Cd [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.000003	0.000010	0.000030
Co [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.000029	0.000068	0.000049
Cr [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.00009	0.00028	< 0.00008
Cu [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.0011	0.0005	0.0004
Fe [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.028	0.048	0.013
K [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	6.93	22.7	20.1
Li [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.0010	0.0012	0.0015
Mg [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	2.92	2.55	2.48
Mn [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.00234	0.00077	0.00091
Mo [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.00264	0.0141	0.00571
Na [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	18.5	25.2	24.1
Ni [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.0001	0.0002	0.0002
Pb [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.00018	< 0.00009	< 0.00009
Sb [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.0010	0.0082	0.0074

Online LIMS

0002718732

**SGS Canada Inc.**

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LR Report : CA15110-NOV21

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000180 -TIR01A-1004 5MS12-M	ARDG-000181 -TIR01A-1004 5MS10-Kwa-s	ARDG-000182 -TIR01A-1004 5MS10-Kwa-s
Se [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.00015	0.00018	0.00025
Sn [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	< 0.00006	0.00033	0.00010
Sr [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.0271	0.0409	0.0493
Ti [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	< 0.00005	0.00169	0.00066
Tl [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.000023	0.000009	0.000011
U [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.000005	0.000192	0.000277
V [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.00065	0.00282	0.00274
W [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.00077	0.00250	0.00343
Y [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	< 0.00002	0.00011	0.00003
Zn [mg/L]	17-Nov-21	13:00	18-Nov-21	20:24	0.002	0.003	< 0.002

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000183 -TIR01A-1004 OMS52-Kwa-s	ARDG-000184 -TIR01A-1004 OMS57-Kwa-s	ARDG-000185 -TIR01A-1004 OMS57-Kwa-s	ARDG-000186 -TIR01A-1004 OMS54-M	ARDG-000187 -TIR01A-1004 OMS54-M	ARDG-000188 -TIR01A-1004 OMS54-M
Sample Date & Time	10-Oct-21	19-Oct-21	19-Oct-21	20-Oct-21	20-Oct-21	21-Oct-21
Sample weight [g]	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750
Final pH [no unit]	8.90	8.73	8.72	8.67	8.58	8.75
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	1.01	0.479	0.485	0.520	0.485	0.481
As [mg/L]	0.0405	0.0160	0.0129	0.0042	0.0211	0.0016
Ba [mg/L]	0.00450	0.01009	0.00831	0.00087	0.00086	0.00342
B [mg/L]	0.028	0.026	0.027	0.022	0.021	0.017
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	11.1	19.3	20.1	17.2	21.8	20.3
Cd [mg/L]	0.000003	0.000008	0.000006	0.000005	0.000003	0.000003
Co [mg/L]	0.000033	0.000171	0.000144	0.000028	0.000065	0.000044
Cr [mg/L]	0.00009	0.00010	< 0.00008	< 0.00008	< 0.00008	0.00008
Cu [mg/L]	< 0.0002	0.0002	0.0003	< 0.0002	0.0002	0.0002
Fe [mg/L]	0.008	0.011	0.008	< 0.007	< 0.007	0.011
K [mg/L]	30.1	24.8	24.1	2.17	7.44	5.20
Li [mg/L]	0.0020	0.0022	0.0023	0.0021	0.0017	0.0011
Mg [mg/L]	3.32	6.50	6.59	4.56	6.13	4.00
Mn [mg/L]	0.00135	0.00236	0.00235	0.00694	0.00705	0.00361
Mo [mg/L]	0.00843	0.00956	0.0104	0.00530	0.00438	0.00603
Na [mg/L]	27.1	75.1	75.8	35.4	41.9	43.0
Ni [mg/L]	0.0002	0.0004	0.0003	< 0.0001	0.0003	0.0001
Pb [mg/L]	0.00014	0.00019	< 0.00009	< 0.00009	< 0.00009	< 0.00009

**SGS Canada Inc.**

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

LR Report : CA15110-NOV21

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000183	ARDG-000184	ARDG-000185	ARDG-000186	ARDG-000187	ARDG-000188
	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004
	OMS52-Kwa-s	OMS57-Kwa-s	OMS57-Kwa-s	OMS54-M	OMS54-M	OMS54-M
Sb [mg/L]	0.0057	0.0052	0.0056	< 0.0009	0.0014	0.0020
Se [mg/L]	0.00014	0.00052	0.00074	0.00043	0.00081	0.00017
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0689	0.121	0.128	0.0255	0.0329	0.0439
Ti [mg/L]	0.00029	0.00016	0.00011	< 0.00005	< 0.00005	0.00013
Tl [mg/L]	0.000017	0.000019	0.000016	< 0.000005	0.000005	0.000011
U [mg/L]	0.000186	0.000233	0.000216	0.000017	0.000030	0.000007
V [mg/L]	0.00160	0.00112	0.00116	0.00068	0.00078	0.00078
W [mg/L]	0.00545	0.00194	0.00195	0.00093	0.00212	0.00219
Y [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002

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

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



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**SGS Canada Inc.**

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30-March-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 15 March 2021  
**LR Report:** CA15243-MAR21  
**Reference:** P.O# OL-999004

Meliadine  
, Nunavut  
X0C 0A0, Canada

**Copy:** #1

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

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000154 -TIR02A-1003 4MS12-kwa-s	ARDG-000155- TIR02A-10034 MS12-Kwa-s	ARDG-000156 -TIR01A-1006 OMS83-OVB
Sample Date & Time					09-Feb-21	09-Feb-21	10-Feb-21
Paste pH [no unit]	25-Mar-21	07:30	29-Mar-21	13:34	9.03	9.03	8.55
Fizz Rate [no unit]	25-Mar-21	07:30	29-Mar-21	13:34	1	2	2
Sample weight [g]	25-Mar-21	07:30	29-Mar-21	13:34	1.98	1.95	1.99
HCl_add [mL]	26-Mar-21	14:16	29-Mar-21	13:34	32.60	32.00	28.70
HCl [Normality]	25-Mar-21	07:30	29-Mar-21	13:34	0.10	0.10	0.10
NaOH [Normality]	25-Mar-21	07:30	29-Mar-21	13:34	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	26-Mar-21	14:16	29-Mar-21	13:34	20.91	18.76	18.96
Final pH [no unit]	26-Mar-21	14:16	29-Mar-21	13:34	1.76	1.73	1.65
NP [t CaCO3/1000 t]	26-Mar-21	14:16	29-Mar-21	13:34	29.5	34.0	24.5
AP [t CaCO3/1000 t]	29-Mar-21	13:34	29-Mar-21	13:34	4.69	4.38	3.12
Net NP [t CaCO3/1000 t]	29-Mar-21	13:34	29-Mar-21	13:34	24.8	29.6	21.4
NP/AP [ratio]	29-Mar-21	13:34	29-Mar-21	13:34	6.29	7.77	7.84
S [%]	22-Mar-21	08:08	22-Mar-21	17:07	0.216	0.229	0.137
Acid Leachable SO4-S [%]	22-Mar-21	17:06	22-Mar-21	17:07	0.07	0.09	< 0.04
Sulphide [%]	22-Mar-21	12:31	22-Mar-21	17:07	0.15	0.14	0.10
C [%]	22-Mar-21	08:08	22-Mar-21	17:07	0.604	0.636	0.435
CO3 [%]	22-Mar-21	02:08	22-Mar-21	17:07	1.90	2.10	0.784

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000157 -TIR01A-1006 OMS83-OVB	ARDG-000105 -TIR02A-1003 4MS18-Ksc-w a	ARDG-000106 -TIR02A-1003 4MS18-Ksc-w a	ARDG-000107 -TIR02A-1003 4MS18-Ksc-w a	ARDG-000108 -TIR02A-1002 4MS01-Ksc-w a	ARDG-000109 -TIR02A-1002 4MS01-Ksc-w a
Sample Date & Time	10-Feb-21	20-Feb-21	20-Feb-21	20-Feb-21	28-Feb-21	28-Feb-21
Paste pH [no unit]	8.64	8.73	8.59	8.89	8.82	8.97
Fizz Rate [no unit]	2	2	2	2	3	4

Online LIMS

000246340

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
 Lakefield - Ontario - KOL 2H0  
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LR Report : CA15243-MAR21

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000157	ARDG-000105	ARDG-000106	ARDG-000107	ARDG-000108	ARDG-000109
	-TIR01A-1006	-TIR02A-1003	-TIR02A-1003	-TIR02A-1003	-TIR02A-1002	-TIR02A-1002
	OMS83-OVB	4MS18-Ksc-w	4MS18-Ksc-w	4MS18-Ksc-w	4MS01-Ksc-w	4MS01-Ksc-w
		a	a	a	a	a
Sample weight [g]	1.97	2.06	2.00	2.05	1.96	2.02
HCl_add [mL]	27.90	47.20	45.90	54.70	45.70	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]	17.53	32.53	30.79	32.50	26.72	24.33
Final pH [no unit]	1.73	1.74	1.70	1.63	1.62	1.74
NP [t CaCO3/1000 t]	26.3	35.6	37.8	54.1	48.4	38.8
AP [t CaCO3/1000 t]	3.44	5.00	9.38	2.50	2.50	4.38
Net NP [t CaCO3/1000 t]	22.9	30.6	28.4	51.6	45.9	34.4
NP/AP [ratio]	7.65	7.12	4.03	21.6	19.4	8.87
S [%]	0.165	0.190	0.447	0.119	0.101	0.177
Acid Leachable SO4-S [%]	0.06	< 0.04	0.15	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.11	0.16	0.30	0.08	0.08	0.14
C [%]	0.410	0.896	0.887	1.08	0.760	0.715
CO3 [%]	0.654	2.49	2.62	4.15	2.89	2.56

\*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



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**SGS Canada Inc.**

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26-March-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 15 March 2021  
**LR Report:** CA15244-MAR21  
**Reference:** P.O# OL-999004

Meliadine  
, Nunavut  
X0C 0A0, Canada

**Copy:** #1

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Fax:(819) 759-3663

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000154-TARDG-000155-TARDG-000156-TARDG-000157-TARDG-000105-T IR02A-10034MS IR02A-10034MS IR01A-10060MS IR01A-10060MS IR02A-10034MS	6: 12-kwa-s	7: 12-Kwa-s	8: 83-OVB	9: 83-OVB	18-Ksc-wa
Sample Date & Time					09-Feb-21	09-Feb-21	10-Feb-21	10-Feb-21	20-Feb-21	
Ag [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	< 1	< 1	< 1	< 1	< 1	< 1
Al [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	36000	74000	67000	68000	72000	
As [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	160	65	52	78	41	
Ba [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	280	570	640	610	690	
Be [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	0.46	1.08	1.24	1.15	1.22	
Bi [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	0.80	0.34	0.27	0.23	0.19	
Ca [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	9600	11000	16000	15000	16000	
Cd [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	0.07	0.10	0.10	0.06	0.07	
Co [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	21	24	16	15	10	
Cr [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	54	96	79	76	31	
Cu [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	47	45	30	31	23	
Fe [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	39000	38000	32000	31000	60000	
K [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	7600	19000	18000	18000	18000	
Li [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	32	32	25	25	25	
Mg [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	16000	15000	12000	12000	7400	
Mn [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	380	390	380	360	270	
Mo [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	1.6	1.6	1.3	1.4	0.8	
Na [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	1200	21000	20000	21000	20000	
Ni [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	74	69	50	49	21	
P [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	440	470	540	530	400	
Pb [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	21	12	14	13	9	
Sb [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	
Se [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	
Sn [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	< 6	< 6	< 6	< 6	< 6	
Sr [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	86	270	270	290	280	
Ti [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	240	1300	1400	1400	2200	
Tl [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	0.15	0.38	0.41	0.40	0.33	
U [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	1.07	1.41	1.38	1.38	0.93	
V [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	56	110	85	81	51	
Y [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	5.81	5.61	8.21	7.73	5.27	
Zn [µg/g]	24-Mar-21	16:45	25-Mar-21	13:01	82	76	60	61	48	

Online LIMS

0002443196

**SGS Canada Inc.**

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LR Report : CA15244-MAR21

Analysis	10: ARDG-000106-TARDG-000107-TARDG-000108-TARDG-000109-T IR02A-10034MSIR02A-10034MSIR02A-10024MSIR02A-10024MS 18-Ksc-wa	11: 18-Ksc-wa	12: 01-Ksc-wa	13: 01-Ksc-wa
Sample Date & Time	20-Feb-21	20-Feb-21	28-Feb-21	28-Feb-21
Ag [µg/g]	< 1	< 1	< 1	< 1
Al [µg/g]	72000	75000	76000	49000
As [µg/g]	110	60	35	11
Ba [µg/g]	650	520	520	340
Be [µg/g]	1.09	0.91	1.09	0.84
Bi [µg/g]	0.20	0.13	0.14	0.16
Ca [µg/g]	18000	22000	22000	20000
Cd [µg/g]	0.05	0.09	0.06	0.04
Co [µg/g]	9	12	9	9
Cr [µg/g]	31	23	27	22
Cu [µg/g]	27	23	15	18
Fe [µg/g]	63000	40000	47000	130000
K [µg/g]	18000	18000	17000	9600
Li [µg/g]	22	17	23	20
Mg [µg/g]	6800	7400	7900	7900
Mn [µg/g]	270	320	300	290
Mo [µg/g]	0.9	0.7	0.6	1.2
Na [µg/g]	22000	29000	28000	16000
Ni [µg/g]	20	21	19	16
P [µg/g]	400	320	440	560
Pb [µg/g]	8	8	7	7
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	330	340	310	280
Ti [µg/g]	2000	2300	2300	1400
Tl [µg/g]	0.30	0.29	0.28	0.18
U [µg/g]	0.88	0.85	1.04	0.68
V [µg/g]	48	47	49	36
Y [µg/g]	5.61	5.14	6.03	4.54
Zn [µg/g]	49	59	51	38

Chromium may not recover completely depending on sample matrix.

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



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**SGS Canada Inc.**

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

30-March-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 15 March 2021  
**LR Report:** CA15245-MAR21  
**Reference:** P.O.# 770080

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Canada, X0C 0A0  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000154-T IR02A-10034MS 12-kwa-s	6: ARDG-000155-T IR02A-10034MS 12-Kwa-s	7: TARDG-000156-T IR01A-10060MS 83-OVB	8: TARDG-000157-T IR01A-10060MS 83-OVB	9: TARDG-000105-T IR02A-10034MS 18-Ksc-wa
Sample Date & Time					09-Feb-21	09-Feb-21	10-Feb-21	10-Feb-21	20-Feb-21
Sample weight [g]	22-Mar-21	08:30	23-Mar-21	08:11	250	250	250	250	250
Volume D.I. Water [mL]	22-Mar-21	08:30	23-Mar-21	08:11	750	750	750	750	750
Final pH [no unit]	23-Mar-21	06:44	23-Mar-21	08:11	9.10	9.15	8.77	8.91	8.64
pH [No unit]	23-Mar-21	14:14	24-Mar-21	21:15	8.56	8.73	8.13	8.22	8.28
Conductivity [uS/cm]	23-Mar-21	14:14	24-Mar-21	21:15	237	222	1290	1200	303
Alkalinity [mg/L as CaCO3]	23-Mar-21	14:14	24-Mar-21	21:15	68	74	44	46	80
SO4 [mg/L]	26-Mar-21	11:28	30-Mar-21	11:35	4	5	48	57	26
Hg [mg/L]	23-Mar-21	14:48	24-Mar-21	14:03	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.699	0.638	0.257	0.237	0.367
As [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.0256	0.108	0.0287	0.0340	0.0053
Ba [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.0019	0.0022	0.0303	0.0296	0.0085
B [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.025	0.020	0.046	0.065	0.025
Be [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.000017	0.000029	< 0.000007	< 0.000007	< 0.000007
Ca [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	7.17	7.03	22.7	18.8	16.8
Cd [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.000006	< 0.000003	0.000004	0.000005	0.000006
Co [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.000024	0.000022	0.000069	0.000044	0.000031
Cr [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.00008	< 0.00008	0.00013	0.00010	< 0.00008
Cu [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.0002	0.0004	0.0005	0.0004	0.0003
Fe [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	21.9	22.8	29.5	24.3	24.6
Li [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.0010	0.0010	0.0019	0.0023	0.0017
Mn [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.00083	0.00071	0.0031	0.0035	0.0029
Mg [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	2.47	2.65	15.3	13.9	4.21
Mo [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.0094	0.0082	0.0074	0.0115	0.0146
Na [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	26.4	20.9	198	187	26.0
Ni [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	< 0.0001	< 0.0001	0.0003	0.0002	< 0.0001
P [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.034	0.048	0.036	0.009	0.036
Pb [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.00004	0.00006	0.00004	0.00005	0.00002
Sb [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.0096	0.0106	0.0033	0.0027	0.0019
Se [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.00017	0.00021	0.00025	0.00018	0.00007
Si [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	1.43	1.40	1.98	2.12	1.26

Online LIMS

000246344



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
 Lakefield - Ontario - KOL 2H0  
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**LR Report : CA15245-MAR21**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000154-T IR02A-10034MS 12-kwa-s	6: ARDG-000155-T IR02A-10034MS 12-Kwa-s	7: ARDG-000156-T IR01A-10060MS 83-OVB	8: ARDG-000157-T IR02A-10034MS 83-OVB	9: ARDG-000105-T IR02A-10034MS 18-Ksc-wa
Sn [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	< 0.00006	< 0.00006	0.00007	0.00007	0.00007
Sr [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.0432	0.0411	0.206	0.191	0.191
Ti [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.00016	0.00030	0.00009	0.00016	< 0.00005
Tl [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.000005	0.000008	0.000044	0.000032	0.000006
U [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.00014	0.00018	0.00015	0.000180	0.00017
V [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	0.0021	0.0025	0.0014	0.0018	0.00015
Zn [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	24-Mar-21	17:45	26-Mar-21	12:17	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: ARDG-000106-T IR02A-10034MS 18-Ksc-wa	11: ARDG-000107-T IR02A-10034MS 18-Ksc-wa	12: ARDG-000108-T IR02A-10024MS 01-Ksc-wa	13: ARDG-000109-T IR02A-10024MS 01-Ksc-wa	14: ARDG-000109-T IR02A-10024MS 01-Ksc-wa	15:BLK: D.I. Leachate Blank
Sample Date & Time	20-Feb-21	20-Feb-21	28-Feb-21	28-Feb-21		
Sample weight [g]	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
Final pH [no unit]	8.60	9.05	9.10	9.05	9.03	5.66
pH [No unit]	8.23	8.60	8.33	8.30	8.42	5.49
Conductivity [uS/cm]	339	220	288	215	213	< 2
Alkalinity [mg/L as CaCO3]	75	72	49	50	53	< 2
SO4 [mg/L]	41	5	8	7	6	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.358	0.856	0.641	0.610	0.552	< 0.001
As [mg/L]	0.0051	0.0214	0.0122	0.0030	0.0024	< 0.0002
Ba [mg/L]	0.0089	0.0033	0.0032	0.0044	0.0038	< 0.00002
B [mg/L]	0.026	0.017	0.028	0.023	0.020	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.000007	< 0.000007	0.000007	< 0.000007	0.000007	< 0.000007
Ca [mg/L]	18.1	8.36	9.45	9.97	10.1	< 0.01
Cd [mg/L]	0.000006	0.000009	0.000006	0.000008	< 0.000003	< 0.000003
Co [mg/L]	0.000040	0.000049	0.000014	0.000015	0.000006	< 0.000004
Cr [mg/L]	< 0.00008	< 0.00008	0.00067	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	0.0004	0.0009	0.0003	0.0008	0.0003	< 0.0002
Fe [mg/L]	< 0.007	0.007	< 0.007	0.033	< 0.007	< 0.007
K [mg/L]	23.9	21.0	16.0	14.6	13.3	0.027
Li [mg/L]	0.0016	0.0018	0.0008	0.0012	0.0010	< 0.0001
Mn [mg/L]	0.0030	0.0016	0.0011	0.0010	0.00070	0.00006
Mg [mg/L]	4.50	2.56	1.39	1.77	1.74	0.001
Mo [mg/L]	0.0117	0.0091	0.0085	0.0110	0.0123	< 0.00004
Na [mg/L]	29.7	21.1	36.9	23.1	21.2	< 0.01
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
P [mg/L]	0.029	0.038	0.027	0.023	0.024	< 0.003
Pb [mg/L]	0.00001	0.00007	0.00004	0.00004	0.00002	< 0.00001
Sb [mg/L]	0.0021	0.0036	0.0041	0.0020	0.0020	< 0.0009
Se [mg/L]	0.00017	0.00013	0.00006	0.00007	0.00008	< 0.00004
Si [mg/L]	1.22	1.39	1.32	1.32	1.25	< 0.02
Sn [mg/L]	< 0.00006	0.00015	0.00015	0.00008	< 0.00006	< 0.00006
Sr [mg/L]	0.209	0.0608	0.0776	0.124	0.135	0.00005
Ti [mg/L]	0.00045	0.00015	0.00005	0.00038	< 0.00005	0.00008
Tl [mg/L]	0.000009	0.000012	0.000006	0.000008	0.000006	< 0.000005

**SGS Canada Inc.**

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LR Report : CA15245-MAR21

Analysis	10: ARDG-000106-TARDG-000107-TARDG-000108-TARDG-000109-TARDG-000109-TSD.I. Leachate IR02A-10034MS IR02A-10034MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 18-Ksc-wa 18-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa	11: TARDG-000107-TARDG-000108-TARDG-000109-TARDG-000109-TSD.I. Leachate IR02A-10034MS IR02A-10034MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 18-Ksc-wa 18-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa	12: TARDG-000108-TARDG-000109-TARDG-000109-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa	13: TARDG-000109-TARDG-000109-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa	14: TARDG-000109-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa 01-Ksc-wa	15:BLK: Blank
U [mg/L]	0.00028	0.00029	0.000180	0.000100	0.00010	< 0.000002
V [mg/L]	0.00016	0.00092	0.00054	0.00036	0.00024	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	0.007	< 0.002	< 0.002	< 0.002
Zr [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

*Catharine Arnold*  
 Catharine Arnold, B.Sc., C.Chem  
 Project Specialist,  
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17-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 27 April 2021  
**LR Report:** CA15456-APR21  
**Reference:** P.O# OL-999004

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 , Nunavut  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000119-TARDG-000120-TARDG-000121-TARDG-000122-TARDG-000123-T IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS	6: 06-KWA-S	7: 06-KWA-S	8: 06-KWA-WA	9: 06-KWA-WA
Sample Date & Time					26-Apr-21	26-Apr-21	26-Apr-21	27-Apr-21	27-Apr-21
Sample weight [g]	11-May-21	06:33	12-May-21	08:36	250	250	250	250	250
Volume D.I. Water [mL]	11-May-21	06:33	12-May-21	08:36	750	750	750	750	750
Final pH [no unit]	12-May-21	06:10	12-May-21	08:36	9.19	9.20	9.15	8.95	8.91
pH [No unit]	12-May-21	15:41	13-May-21	14:07	8.34	8.38	8.34	8.30	8.38
Conductivity [uS/cm]	12-May-21	15:41	13-May-21	14:07	185	228	261	239	235
Alkalinity [mg/L as CaCO3]	12-May-21	15:41	13-May-21	14:07	59	69	67	85	80
SO4 [mg/L]	13-May-21	09:14	13-May-21	15:06	5	8	11	5	4
Hg [mg/L]	12-May-21	14:42	13-May-21	10:53	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	13-May-21	11:35	17-May-21	13:48	0.952	0.648	0.665	0.422	0.588
As [mg/L]	13-May-21	11:35	17-May-21	13:48	0.0614	0.156	0.0172	0.0022	0.0156
Ba [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00324	0.00341	0.00544	0.00440	0.00409
B [mg/L]	13-May-21	11:35	17-May-21	13:48	0.017	0.020	0.025	0.016	0.018
Be [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	13-May-21	11:35	17-May-21	13:48	10.1	10.8	14.1	16.6	11.7
Cd [mg/L]	13-May-21	11:35	17-May-21	13:48	0.000006	0.000003	< 0.000003	0.000006	0.000004
Co [mg/L]	13-May-21	11:35	17-May-21	13:48	0.000029	0.000072	0.000018	0.000017	0.000020
Cr [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.0002	< 0.0002	0.0004	< 0.0002	< 0.0002
Fe [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	13-May-21	11:35	17-May-21	13:48	20.6	28.5	31.8	15.4	28.2
Li [mg/L]	13-May-21	11:35	17-May-21	13:48	0.0015	0.0016	0.0015	0.0037	0.0018
Mn [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00087	0.00107	0.00104	0.00257	0.00150
Mg [mg/L]	13-May-21	11:35	17-May-21	13:48	2.62	3.63	3.62	3.92	3.16
Mo [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00379	0.00545	0.00907	0.0114	0.00905
Na [mg/L]	13-May-21	11:35	17-May-21	13:48	12.5	15.6	16.1	21.4	17.6
Ni [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.0001	0.0002	< 0.0001	< 0.0001	< 0.0001
P [mg/L]	13-May-21	16:01	17-May-21	13:48	0.031	0.024	0.024	0.053	0.040
Pb [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00009	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	13-May-21	11:35	17-May-21	13:48	0.0057	0.0059	0.0051	0.0017	0.0026
Se [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00032	0.00033	0.00016	0.00004	0.00006
Si [mg/L]	13-May-21	11:35	17-May-21	13:48	1.51	1.80	1.42	1.40	1.53

**SGS Canada Inc.**

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**LR Report : CA15456-APR21**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000119-TARDG-000120-06-KWA-S	6: TARDG-000120-TARDG-000121-06-KWA-S	7: TARDG-000121-TARDG-000122-06-KWA-S	8: TARDG-000122-TARDG-000123-T IR02A-10024MS IR02A-10024MS 06-KWA-WA	9: TARDG-000123-T IR02A-10024MS 06-KWA-WA
Sn [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	13-May-21	11:35	17-May-21	13:48	0.0466	0.0523	0.0862	0.216	0.0647
Ti [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00018	0.00031	0.00010	0.00009	0.00022
Tl [mg/L]	13-May-21	11:35	17-May-21	13:48	0.000017	0.000009	0.000013	0.000008	0.000015
U [mg/L]	13-May-21	11:35	17-May-21	13:48	0.000222	0.000211	0.000101	0.000031	0.000076
V [mg/L]	13-May-21	11:35	17-May-21	13:48	0.00189	0.00164	0.00039	0.00009	0.00028
Zn [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	13-May-21	11:35	17-May-21	13:48	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	10: ARDG-000124-TARDG-000125-06-KWA-S	11: TARDG-000125-TARDG-000126-06-KWA-S	12: TARDG-000126-TARDG-000127-06-KWA-S	13: TARDG-000127-TARDG-000127-T IR02A-10024MS 06-KWA-WA	14: TARDG-000127-T IR02A-10024MS 06-KWA-WA	15:BLK: D.I. Leachate Blank
Sample Date & Time	18-Apr-21	20-Apr-21	20-Apr-21	20-Apr-21		
Sample weight [g]	250	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750	750
Final pH [no unit]	9.26	9.23	9.30	9.45	9.42	5.90
pH [No unit]	8.43	8.57	8.62	8.51	8.89	7.92
Conductivity [uS/cm]	203	219	223	213	213	35
Alkalinity [mg/L as CaCO3]	64	73	73	70	69	15
SO4 [mg/L]	4	3	3	6	6	< 2
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.769	0.740	0.744	0.685	0.672	< 0.001
As [mg/L]	0.0422	0.129	0.148	0.0882	0.0909	< 0.0002
Ba [mg/L]	0.00165	0.00187	0.00203	0.00257	0.00265	< 0.00002
B [mg/L]	0.019	0.017	0.016	0.016	0.017	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	7.14	7.41	7.55	8.46	8.37	0.02
Cd [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	0.000038	0.000045	0.000041	0.000042	0.000034	0.000004
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	< 0.0002	0.0002	< 0.0002	< 0.0002	< 0.0002	0.0004
Fe [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
K [mg/L]	22.8	22.6	22.7	24.3	24.3	0.110
Li [mg/L]	0.0008	0.0012	0.0012	0.0016	0.0016	< 0.0001
Mn [mg/L]	0.00063	0.00046	0.00054	0.00096	0.00100	0.00006
Mg [mg/L]	2.16	2.59	2.59	2.99	3.01	0.001
Mo [mg/L]	0.00270	0.00480	0.00423	0.00617	0.00721	< 0.00004
Na [mg/L]	19.5	22.7	22.2	17.1	17.8	0.03
Ni [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
P [mg/L]	0.057	0.041	0.061	0.049	0.050	< 0.003
Pb [mg/L]	< 0.00009	0.00026	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	0.0086	0.0084	0.0086	0.0072	0.0070	< 0.0009
Se [mg/L]	0.00008	0.00017	0.00018	0.00033	0.00037	< 0.00004
Si [mg/L]	1.78	2.16	2.10	2.21	2.19	< 0.02
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0274	0.0288	0.0297	0.0392	0.0395	0.00004
Ti [mg/L]	0.00016	0.00055	0.00029	0.00027	0.00024	< 0.00005
Tl [mg/L]	0.000006	0.000010	0.000008	0.000011	0.000011	< 0.000005

**SGS Canada Inc.**

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LR Report : CA15456-APR21

Analysis	10: ARDG-000124-TARDG-000125-TARDG-000126-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	11: TARDG-000125-TARDG-000126-TARDG-000127-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	12: TARDG-000126-TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	13: TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	14: TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TARDG-000127-TSD.I. Leachate IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S 06-KWA-S 06-KWA-S 06-KWA-WA 06-KWA-WA	15:BLK: Blank
U [mg/L]	0.000157	0.000357	0.000370	0.000731	0.000745	0.000011
V [mg/L]	0.00260	0.00401	0.00404	0.00281	0.00279	< 0.00001
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zr [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

*Catharine Arnold*  
 Catharine Arnold, B.Sc., C.Chem  
 Project Specialist,  
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26-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 27 April 2021  
**LR Report:** CA15457-APR21  
**Reference:** P.O# OL-999004

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# CERTIFICATE OF ANALYSIS

## Final Report - Revised

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000119 ARDG-000120 ARDG-000121 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 4MS06-KWA-S	4MS06-KWA-S	4MS06-KWA-S
Sample Date & Time					26-Apr-21	26-Apr-21	26-Apr-21
Paste pH [no unit]	06-May-21	10:03	07-May-21	16:16	9.21	9.18	8.93
Fizz Rate [no unit]	06-May-21	10:03	07-May-21	16:16	4	4	4
Sample weight [g]	06-May-21	10:03	07-May-21	16:16	1.94	1.97	2.01
HCl_add [mL]	07-May-21	08:06	07-May-21	16:16	40.00	40.00	40.00
HCl [Normality]	06-May-21	10:03	07-May-21	16:16	0.10	0.10	0.10
NaOH [Normality]	06-May-21	10:03	07-May-21	16:16	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	07-May-21	10:05	07-May-21	16:16	20.38	19.34	18.91
Final pH [no unit]	07-May-21	10:05	07-May-21	16:16	1.54	1.67	1.81
NP [t CaCO3/1000 t]	07-May-21	10:05	07-May-21	16:16	50.6	52.4	52.5
AP [t CaCO3/1000 t]	10-May-21	10:59	10-May-21	11:00	2.81	2.19	4.69
Net NP [t CaCO3/1000 t]	10-May-21	11:00	10-May-21	11:00	47.8	50.2	47.8
NP/AP [ratio]	10-May-21	11:00	10-May-21	11:00	18.0	24.0	11.2
S [%]	07-May-21	14:58	10-May-21	10:59	0.203	0.108	0.244
Acid Leachable SO4-S [%]	10-May-21	07:32	10-May-21	10:59	0.11	< 0.04	0.09
Sulphide [%]	10-May-21	07:32	10-May-21	10:59	0.09	0.07	0.15
C [%]	07-May-21	14:58	10-May-21	13:41	0.800	0.788	1.02
CO3 [%]	21-May-21	07:41	21-May-21	14:19	3.54	3.64	3.70

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000122 ARDG-000123 ARDG-000124 ARDG-000125 ARDG-000126 ARDG-000127 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 -TIR02A-1002 4MS06-KWA-WA 4MS06-KWA-WA 4MS06-KWA-S 4MS06-KWA-S 4MS06-KWA-S 4MS06-KWA-WA	4MS06-KWA-WA	4MS06-KWA-WA	4MS06-KWA-S	4MS06-KWA-S	4MS06-KWA-S
Sample Date & Time	27-Apr-21	27-Apr-21	18-Apr-21	20-Apr-21	20-Apr-21	20-Apr-21
Paste pH [no unit]	9.09	9.15	9.27	9.32	9.37	9.34
Fizz Rate [no unit]	4	4	4	4	4	4

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0002507718

**SGS Canada Inc.**

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LR Report : CA15457-APR21

Analysis	8: ARDG-000122 -TIR02A-1002 4MS06-KWA- WA	9: ARDG-000123 -TIR02A-1002 4MS06-KWA- WA	10: ARDG-000124 -TIR02A-1002 4MS06-KWA- S	11: ARDG-000125 -TIR02A-1002 4MS06-KWA- S	12: ARDG-000126 -TIR02A-1002 4MS06-KWA- S	13: ARDG-000127 -TIR02A-1002 4MS06-KWA- WA
Sample weight [g]	2.00	1.98	2.00	1.97	1.98	1.98
HCl_add [mL]	62.00	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]	32.22	17.99	22.34	20.62	20.25	20.29
Final pH [no unit]	1.62	1.87	1.52	1.60	1.65	1.65
NP [t CaCO3/1000 t]	74.4	55.6	44.2	49.2	49.9	49.8
AP [t CaCO3/1000 t]	1.56	2.19	3.12	3.44	3.12	4.69
Net NP [t CaCO3/1000 t]	72.8	53.4	41.1	45.8	46.8	45.1
NP/AP [ratio]	47.6	25.4	14.1	14.3	16.0	10.6
S [%]	0.136	0.151	0.207	0.180	0.178	0.271
Acid Leachable SO4-S [%]	0.09	0.08	0.11	0.07	0.08	0.12
Sulphide [%]	0.05	0.07	0.10	0.11	0.10	0.15
C [%]	1.14	0.896	0.723	0.762	0.792	0.838
CO3 [%]	5.44	4.11	2.95	3.42	3.56	3.71

\*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 with CO3 analysis by HCl leach added.

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

**SGS Canada Inc.**

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13-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 27 April 2021  
**LR Report:** CA15458-APR21  
**Reference:** P.O# OL-999004

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: ARDG-000119-TARDG-000120-MS IR02A-10024MS 06-KWA-S	6: TARDG-000121-MS IR02A-10024MS 06-KWA-S	7: TARDG-000122-MS IR02A-10024MS 06-KWA-WA	8: TARDG-000123-MS IR02A-10024MS 06-KWA-WA	9:
Sample Date & Time					26-Apr-21	26-Apr-21	26-Apr-21	27-Apr-21	27-Apr-21
Ag [µg/g]	12-May-21	11:00	13-May-21	17:02	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-May-21	11:00	13-May-21	17:02	70000	83000	74000	67000	71000
As [µg/g]	12-May-21	11:00	13-May-21	17:02	310	81	310	24	140
Ba [µg/g]	12-May-21	11:00	13-May-21	17:02	610	770	820	340	510
Be [µg/g]	12-May-21	11:00	13-May-21	17:02	0.94	1.2	1.4	0.77	0.99
Bi [µg/g]	12-May-21	11:00	13-May-21	17:02	0.29	0.21	0.23	0.18	0.10
Ca [µg/g]	12-May-21	11:00	13-May-21	17:02	15000	15000	17000	28000	19000
Cd [µg/g]	12-May-21	11:00	13-May-21	17:02	0.07	0.04	0.12	0.05	0.05
Co [µg/g]	12-May-21	11:00	13-May-21	17:02	18	19	14	7.0	9.8
Cr [µg/g]	12-May-21	11:00	13-May-21	17:02	54	64	43	15	23
Cu [µg/g]	12-May-21	11:00	13-May-21	17:02	41	33	25	22	19
Fe [µg/g]	12-May-21	11:00	13-May-21	17:02	44000	42000	61000	75000	80000
K [µg/g]	12-May-21	11:00	13-May-21	17:02	20000	23000	24000	11000	20000
Li [µg/g]	12-May-21	11:00	13-May-21	17:02	26	32	30	21	27
Mg [µg/g]	12-May-21	11:00	13-May-21	17:02	12000	13000	11000	6000	8300
Mn [µg/g]	12-May-21	11:00	13-May-21	17:02	310	310	290	300	320
Mo [µg/g]	12-May-21	11:00	13-May-21	17:02	1.5	1.6	2.1	1.8	1.1
Na [µg/g]	12-May-21	11:00	13-May-21	17:02	16000	14000	7900	31000	19000
Ni [µg/g]	12-May-21	11:00	13-May-21	17:02	53	59	36	14	22
P [µg/g]	12-May-21	11:00	13-May-21	17:02	390	430	440	400	410
Pb [µg/g]	12-May-21	11:00	13-May-21	17:02	8.9	7.8	14	9.5	9.1
Sb [µg/g]	12-May-21	11:00	13-May-21	17:02	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	12-May-21	11:00	13-May-21	17:02	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	12-May-21	11:00	13-May-21	17:02	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	12-May-21	11:00	13-May-21	17:02	220	230	220	520	240
Ti [µg/g]	12-May-21	11:00	13-May-21	17:02	2700	3000	2200	1700	2100
Tl [µg/g]	12-May-21	11:00	13-May-21	17:02	0.41	0.50	0.50	0.15	0.34
U [µg/g]	12-May-21	11:00	13-May-21	17:02	1.4	1.6	1.6	0.67	0.96
V [µg/g]	12-May-21	11:00	13-May-21	17:02	71	86	56	33	45
Y [µg/g]	12-May-21	11:00	13-May-21	17:02	6.2	8.0	6.8	4.6	5.3
Zn [µg/g]	12-May-21	11:00	13-May-21	17:02	65	62	75	42	52

**SGS Canada Inc.**

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LR Report : CA15458-APR21

Analysis	10: ARDG-000124-TARDG-000125-TARDG-000126-TARDG-000127-T IR02A-10024MS IR02A-10024MS IR02A-10024MS IR02A-10024MS 06-KWA-S	11: 06-KWA-S	12: 06-KWA-S	13: 06-KWA-WA
Sample Date & Time	18-Apr-21	20-Apr-21	20-Apr-21	20-Apr-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	72000	85000	83000	68000
As [µg/g]	28	45	50	120
Ba [µg/g]	580	690	660	620
Be [µg/g]	1.1	1.0	0.99	0.94
Bi [µg/g]	0.25	0.57	0.26	0.29
Ca [µg/g]	11000	15000	15000	14000
Cd [µg/g]	< 0.02	0.08	0.05	0.06
Co [µg/g]	18	19	20	16
Cr [µg/g]	75	69	68	55
Cu [µg/g]	41	41	42	38
Fe [µg/g]	42000	37000	36000	34000
K [µg/g]	20000	18000	17000	19000
Li [µg/g]	38	30	29	23
Mg [µg/g]	16000	13000	13000	9900
Mn [µg/g]	380	270	260	290
Mo [µg/g]	1.5	1.4	1.5	1.3
Na [µg/g]	20000	27000	25000	20000
Ni [µg/g]	63	59	60	47
P [µg/g]	500	460	430	360
Pb [µg/g]	6.1	9.6	9.3	16
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6
Sr [µg/g]	220	300	290	260
Ti [µg/g]	2800	2900	3000	2400
Tl [µg/g]	0.43	0.43	0.41	0.39
U [µg/g]	1.5	1.7	1.6	1.5
V [µg/g]	87	81	80	61
Y [µg/g]	5.9	7.5	7.8	5.6
Zn [µg/g]	67	67	64	59

Chromium may not recover completely depending on sample matrix.

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

**SGS Canada Inc.**

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15-October-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 28 September 2021  
**LR Report:** CA15890-SEP21  
**Reference:** P.O# OL-999004

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Completed Date	Analysis Completed Time	ARDG-000171 -TIR01A-1005 OMS60-M	ARDG-000172 -TIR01A-1005 OMS60-M	ARDG-000173 -TIR01A-1004 5MS14-Kwa-s
Sample Date & Time					03-Sep-21	03-Sep-21	04-Sep-21
Paste pH [no unit]	12-Oct-21	08:00	15-Oct-21	12:51	8.67	8.68	9.15
Fizz Rate [no unit]	12-Oct-21	08:00	15-Oct-21	12:51	3	3	3
Sample weight [g]	12-Oct-21	08:00	15-Oct-21	12:51	2.01	2.00	2.01
HCl_add [mL]	13-Oct-21	06:15	15-Oct-21	12:51	148.90	121.90	31.10
HCl [Normality]	12-Oct-21	08:00	15-Oct-21	12:51	0.10	0.10	0.10
NaOH [Normality]	12-Oct-21	08:00	15-Oct-21	12:51	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	13-Oct-21	08:06	15-Oct-21	12:51	65.04	51.96	18.46
Final pH [no unit]	13-Oct-21	08:06	15-Oct-21	12:51	1.71	1.59	1.92
NP [t CaCO3/1000 t]	13-Oct-21	08:06	15-Oct-21	12:51	209	175	31.4
AP [t CaCO3/1000 t]	15-Oct-21	12:51	15-Oct-21	12:52	20.6	1.88	5.94
Net NP [t CaCO3/1000 t]	15-Oct-21	12:51	15-Oct-21	12:52	188	173	25.5
NP/AP [ratio]	15-Oct-21	12:52	15-Oct-21	12:52	10.1	93.2	5.29
S [%]	08-Oct-21	12:21	12-Oct-21	14:32	0.822	0.108	0.241
Acid Leachable SO4-S [%]	12-Oct-21	14:32	12-Oct-21	14:32	0.16	0.05	0.05
Sulphide [%]	12-Oct-21	11:43	12-Oct-21	14:32	0.66	0.06	0.19
C [%]	08-Oct-21	12:21	12-Oct-21	14:33	2.69	2.12	0.374
CO3 (HCl) [%]	12-Oct-21	08:16	12-Oct-21	14:33	13.1	10.2	1.63

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000174 -TIR01A-1004 5MS14-Kwa-s	ARDG-000175 -TIR01A-1004 5MS06-Kwa-s	ARDG-000176 -TIR01A-1004 5MS06-Kwa-s	ARDG-000177 -TIR01A-1004 5MS06-Kwa-s	ARDG-000178 -TIR01A-1004 5MS08-M	ARDG-000179 -TIR01A-1004 5MS08-M
Sample Date & Time	04-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21	19-Sep-21	19-Sep-21
Paste pH [no unit]	9.30	9.12	9.19	9.21	8.80	8.44
Fizz Rate [no unit]	3	3	3	3	4	4

**SGS Canada Inc.**

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LR Report : CA15890-SEP21

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000174	ARDG-000175	ARDG-000176	ARDG-000177	ARDG-000178	ARDG-000179
	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004
	5MS14-Kwa-s	5MS06-Kwa-s	5MS06-Kwa-s	5MS06-Kwa-s	5MS08-M	5MS08-M
Sample weight [g]	2.00	1.99	2.00	2.01	2.00	2.01
HCl_add [mL]	41.80	42.70	43.40	43.10	161.60	170.10
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]	26.60	24.32	25.78	24.79	62.90	71.29
Final pH [no unit]	1.57	1.77	1.80	1.76	1.63	1.61
NP [t CaCO3/1000 t]	38.0	46.2	44.1	45.5	247	246
AP [t CaCO3/1000 t]	4.06	5.31	4.69	5.94	6.25	5.62
Net NP [t CaCO3/1000 t]	33.9	40.9	39.4	39.6	241	240
NP/AP [ratio]	9.35	8.70	9.41	7.66	39.5	43.7
S [%]	0.214	0.257	0.212	0.227	0.224	0.207
Acid Leachable SO4-S [%]	0.08	0.09	0.06	< 0.04	< 0.04	< 0.04
Sulphide [%]	0.13	0.17	0.15	0.19	0.20	0.18
C [%]	0.574	0.742	0.657	0.698	3.09	3.10
CO3 (HCl) [%]	2.34	2.74	2.68	2.62	15.1	15.3

\*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



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### Agnico Eagle Mines Limited

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21-October-2021

Date Rec. : 28 September 2021

LR Report: CA15891-SEP21

Reference: PO#OL-999004

Copy: #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-000171 -TIR01A-1005 OMS60-M	6: ARDG-000172 -TIR01A-1005 OMS60-M	7: ARDG-000173 -TIR01A-1004 5MS14-Kwa-s	8: ARDG-000174 -TIR01A-1004 5MS14-Kwa-s	9: ARDG-000175 -TIR01A-1004 5MS06-Kwa-s	10: ARDG-000176 -TIR01A-1004 5MS06-Kwa-s
Sample Date & Time					03-Sep-21	03-Sep-21	04-Sep-21	04-Sep-21	15-Sep-21	15-Sep-21
Sample weight [g]	13-Oct-21	07:00	14-Oct-21	09:09	250	250	250	250	250	250
Volume D.I. Water [mL]	13-Oct-21	07:00	14-Oct-21	09:09	750	750	750	750	750	750
Final pH [no unit]	14-Oct-21	06:30	14-Oct-21	09:09	8.56	8.99	8.92	9.16	9.09	9.07
Hg [mg/L]	18-Oct-21	09:17	19-Oct-21	15:40	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.363	0.380	0.473	0.683	0.649	0.658
As [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.0030	0.0019	0.0517	0.0835	0.0353	0.0475
Ba [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.00155	0.00180	0.00348	0.00186	0.00432	0.00255
B [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.012	0.014	0.019	0.014	0.016	0.015
Be [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.000007	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	0.00002
Ca [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	22.5	7.62	12.2	7.59	8.44	8.27
Cd [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.000003	0.000006	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.000024	0.000013	0.000058	0.000053	0.000043	0.000068

OnLine LIMS

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LR Report : CA15891-SEP21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: ARDG-000171 -TIR01A-1005 OMS60-M	6: ARDG-000172 -TIR01A-1005 OMS60-M	7: ARDG-000173 -TIR01A-1004 5MS14-Kwa-s	8: ARDG-000174 -TIR01A-1004 5MS14-Kwa-s	9: ARDG-000175 -TIR01A-1004 5MS06-Kwa-s	10: ARDG-000176 -TIR01A-1004 5MS06-Kwa-s
Cr [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.00023	< 0.00008	0.00010	0.00013	0.00066	0.00020
Cu [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.0002	< 0.0002	< 0.0002	0.0004	0.0002	0.0004
Fe [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.009	0.008	0.009	0.019	0.023	0.012
K [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	6.39	3.28	19.3	17.1	16.8	19.8
Li [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.0014	0.0004	0.0012	0.0009	0.0014	0.0011
Mg [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	5.94	1.46	3.43	1.99	2.36	2.48
Mn [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.0117	0.00189	0.00115	0.00209	0.00561	0.00313
Mo [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.00440	0.00131	0.00427	0.00456	0.00654	0.00523
Na [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	18.9	15.8	42.6	18.2	25.0	22.9
Ni [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.0001	0.0002	< 0.0001	0.0002	0.0004	< 0.0001
Pb [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.00009	< 0.00009	< 0.00009	0.00011	< 0.00009	< 0.00009
Sb [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.0017	0.0011	0.0048	0.0074	0.0064	0.0075
Se [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.00090	0.00014	0.00034	0.00021	0.00021	0.00021
Sn [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.0287	0.0287	0.0690	0.0325	0.0421	0.0402
Ti [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.00075	0.00028	0.00019	0.00010	0.00096	0.00029
Tl [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.000015	0.000012	0.000017	0.000009	0.000010	0.000010
U [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.000023	0.000003	0.000126	0.000194	0.000102	0.000100
V [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.00046	0.00138	0.00140	0.00285	0.00204	0.00205
W [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	0.00181	0.00114	0.00198	0.00259	0.00247	0.00220
Y [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00003	< 0.00002
Zn [mg/L]	19-Oct-21	10:30	20-Oct-21	18:11	< 0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002



SGS Canada Inc.

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

mel

LR Report : CA15891-SEP21

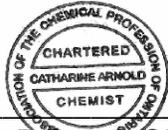
Analysis	11: ARDG-000177 -TIR01A-1004 5MS06-Kwa-s	12: ARDG-000178 -TIR01A-1004 5MS08-M	13: ARDG-000179 -TIR01A-1004 5MS08-M	14: ARDG-000179 -TIR01A-1004 5MS08-M	15:BLK: \$D.I. Leachate Blank
Sample Date & Time	15-Sep-21	19-Sep-21	19-Sep-21		
Sample weight [g]	250	250	250	250	---
Volume D.I. Water [mL]	750	750	750	750	750
Final pH [no unit]	9.06	9.08	8.70	8.68	5.80
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	0.673	0.845	0.428	0.414	0.003
As [mg/L]	0.0450	0.0040	0.0736	0.0654	< 0.0002
Ba [mg/L]	0.00296	0.00072	0.00135	0.00120	0.00004
B [mg/L]	0.014	0.019	0.016	0.016	< 0.002
Be [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	0.00002	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	8.37	6.99	20.4	19.3	< 0.01
Cd [mg/L]	0.000004	< 0.000003	0.000004	0.000003	0.000003
Co [mg/L]	0.000047	0.000032	0.000246	0.000217	0.000025
Cr [mg/L]	< 0.00008	0.00029	< 0.00008	< 0.00008	0.00009
Cu [mg/L]	< 0.0002	< 0.0002	0.0008	0.0013	0.0006
Fe [mg/L]	0.014	0.011	0.007	0.014	0.009
K [mg/L]	19.4	6.78	9.53	9.06	0.025
Li [mg/L]	0.0011	0.0008	0.0015	0.0015	< 0.0001
Mg [mg/L]	2.50	1.04	6.29	6.18	0.014
Mn [mg/L]	0.00112	0.00143	0.00461	0.00397	0.00074
Mo [mg/L]	0.00429	0.00229	0.00435	0.00433	< 0.00004
Na [mg/L]	22.7	23.6	85.5	83.2	0.09
Ni [mg/L]	< 0.0001	< 0.0001	0.0006	0.0003	0.0003
Pb [mg/L]	< 0.00009	< 0.00009	0.00012	0.00087	0.00016
Sb [mg/L]	0.0071	< 0.0009	0.0018	0.0017	< 0.0009
Se [mg/L]	0.00027	0.00027	0.00119	0.00120	< 0.00004

OnLine LIMS

0002485188

Analysis	11: ARDG-000177 -TIR01A-1004 5MS06-Kwa-s	12: ARDG-000178 -TIR01A-1004 5MS08-M	13: ARDG-000179 -TIR01A-1004 5MS08-M	14: ARDG-000179 -TIR01A-1004 5MS08-M	15:BLK: \$D.I. Leachate Blank
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	0.0413	0.0103	0.0319	0.0305	0.00052
Ti [mg/L]	0.00019	0.00029	0.00019	0.00009	< 0.00005
Tl [mg/L]	0.000013	0.000010	0.000016	0.000012	< 0.000005
U [mg/L]	0.000096	0.000003	0.000011	0.000009	< 0.000002
V [mg/L]	0.00203	0.00176	0.00145	0.00125	0.00002
W [mg/L]	0.00202	0.00069	0.00134	0.00132	0.00008
Y [mg/L]	< 0.00002	< 0.00002	0.00003	< 0.00002	< 0.00002
Zn [mg/L]	< 0.002	< 0.002	0.003	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



mel

**SGS Canada Inc.**

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

15-October-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 28 September 2021  
**LR Report:** CA15892-SEP21  
**Reference:** P.O# OL-999004

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 Approval Date	4: Analysis Approval Time	5: ARDG-000171 -TIR01A-1005 OMS60-M	6: ARDG-000172 -TIR01A-1005 OMS60-M	7: ARDG-000173 -TIR01A-1004 5MS14-Kwa-s
Sample Date & Time					03-Sep-21	03-Sep-21	04-Sep-21
Ag [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	< 0.5	< 0.5	< 0.5
Al [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	76000	77000	98000
As [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	62	11	41
Ba [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	140	10	660
Be [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	0.31	0.25	1
Bi [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	< 0.09	< 0.09	0.22
Ca [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	96000	87000	14000
Cd [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	0.28	0.07	0.09
Co [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	49	50	23
Cr [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	151	124	64
Cu [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	165	190	57
Fe [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	120000	85000	44000
K [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	5800	490	22000
Li [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	63	48	39
Mg [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	34000	55000	17000
Mn [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	4699	1472	329
Mo [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	0.6	0.3	1.5
Na [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	6900	18000	29000
Ni [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	120	130	73
P [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	310	210	600
Pb [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	3	2	10
Sb [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	< 0.8	< 0.8	< 0.8
Se [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	0.9	< 0.7	< 0.7
Sn [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	< 6	< 6	< 6
Sr [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	70	120	330
Ti [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	2600	2500	520

Online LIMS

000267756

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LR Report : CA15892-SEP21

Analysis	1:	2:	3:	4:	5:	6:	7:
	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	ARDG-000171 -TIR01A-1005 OMS60-M	ARDG-000172 -TIR01A-1005 OMS60-M	ARDG-000173 -TIR01A-1004 5MS14-Kwa-s
Tl [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	0.23	< 0.02	0.37
U [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	0.070	0.047	1.32
V [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	230	210	87
Y [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	7.35	14.0	8.55
Zn [µg/g]	13-Oct-21	13:56	15-Oct-21	11:22	190	69	77

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000174 -TIR01A-1004 5MS14-Kwa-s	ARDG-000175 -TIR01A-1004 5MS06-Kwa-s	ARDG-000176 -TIR01A-1004 5MS06-Kwa-s	ARDG-000177 -TIR01A-1004 5MS06-Kwa-s	ARDG-000178 -TIR01A-1004 5MS08-M	ARDG-000179 -TIR01A-1004 5MS08-M
Sample Date & Time	04-Sep-21	15-Sep-21	15-Sep-21	15-Sep-21	19-Sep-21	19-Sep-21
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	90000	91000	99000	96000	78000	76000
As [µg/g]	38	63	55	64	40	111
Ba [µg/g]	500	590	570	590	120	120
Be [µg/g]	1	1	1	1	0.27	0.32
Bi [µg/g]	0.30	0.31	0.34	0.37	< 0.09	< 0.09
Ca [µg/g]	15000	18000	17000	17000	120000	120000
Cd [µg/g]	0.13	0.15	0.16	0.14	0.14	0.16
Co [µg/g]	23	20	24	27	61	56
Cr [µg/g]	70	82	78	76	111	112
Cu [µg/g]	69	54	63	61	124	115
Fe [µg/g]	45000	39000	47000	48000	86000	80000
K [µg/g]	21000	21000	23000	24000	7700	7800
Li [µg/g]	37	36	42	42	62	50
Mg [µg/g]	17000	16000	19000	20000	27000	24000
Mn [µg/g]	427	386	478	493	2562	2411
Mo [µg/g]	1.6	1.5	1.6	1.9	0.3	0.4
Na [µg/g]	23000	27000	25000	22000	12000	11000
Ni [µg/g]	76	65	82	89	120	120
P [µg/g]	540	510	570	570	280	280
Pb [µg/g]	12	14	24	27	2	4
Sb [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Se [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	300	360	360	340	98	120
Ti [µg/g]	440	450	500	510	2500	3500
Tl [µg/g]	0.38	0.39	0.45	0.45	0.25	0.24
U [µg/g]	1.41	1.40	1.44	1.43	0.050	0.044
V [µg/g]	92	83	96	110	240	230
Y [µg/g]	7.54	7.39	8.49	7.97	9.89	8.26

**SGS Canada Inc.**

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LR Report : CA15892-SEP21

Analysis	8:	9:	10:	11:	12:	13:
	ARDG-000174	ARDG-000175	ARDG-000176	ARDG-000177	ARDG-000178	ARDG-000179
	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004	-TIR01A-1004
	5MS14-Kwa-s	5MS06-Kwa-s	5MS06-Kwa-s	5MS06-Kwa-s	5MS08-M	5MS08-M
Zn [µg/g]	84	85	90	91	100	93

Chromium may not recover completely depending on sample matrix.

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

Appendix D: Filtered Tailings  
Laboratory Certificates of Analysis



SGS Canada Inc.

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### Agnico Eagle Mines Limited

Attn : Dan Gorton/Sean Arruda

Meliadine,

Canada, X0C 0A0

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

mel

11-March-2021

Date Rec. : 04 February 2021

LR Report: CA14067-FEB21

Reference: P.O# 999004

Copy: #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 1	6: Tailings - solid Jan 10/21	7: Assay Lab Composite (Jan 9/21 - Jan 10/21)	8: Tailings-Solid Composite 2	9: Tailings - Solid Jan 24/21
Sample Date & Time					29-Jan-21	10-Jan-21 08:00	09-Jan-21	10-Jan-21	24-Jan-21 09:00
Paste pH [no unit]	02-Mar-21	09:00	03-Mar-21	15:52	8.21	8.22	8.53	8.19	8.23
Fizz Rate [no unit]	02-Mar-21	09:00	03-Mar-21	15:52	3	3	3	3	3
Sample weight [g]	02-Mar-21	09:00	03-Mar-21	15:52	1.99	2.05	2.00	2.06	2.01
HCl_add [mL]	03-Mar-21	07:15	03-Mar-21	15:52	70.40	67.80	66.60	67.30	70.80
HCl [Normality]	02-Mar-21	09:00	03-Mar-21	15:52	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	02-Mar-21	09:00	03-Mar-21	15:52	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	03-Mar-21	09:10	03-Mar-21	15:52	37.85	34.84	34.23	34.44	37.71
Final pH [no unit]	03-Mar-21	09:10	03-Mar-21	15:52	1.81	1.82	1.81	1.88	1.92
NP [t CaCO3/1000 t]	03-Mar-21	09:10	03-Mar-21	15:52	81.8	80.4	80.9	79.8	82.3
AP [t CaCO3/1000 t]	11-Mar-21	13:12	11-Mar-21	13:12	46.2	48.1	45.6	42.5	57.5
Net NP [t CaCO3/1000 t]	11-Mar-21	13:12	11-Mar-21	13:12	35.6	32.3	35.3	37.3	24.8
NP/AP [ratio]	11-Mar-21	13:12	11-Mar-21	13:12	1.77	1.67	1.77	1.88	1.43
S [%]	08-Mar-21	07:31	11-Mar-21	10:44	1.60	1.83	1.77	1.74	2.34
Acid Leachable SO4-S [%]	11-Mar-21	13:12	11-Mar-21	13:12	0.12	0.29	0.31	0.38	0.50

OnLine LIMS

000242787

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite 1	6: Tailings - solid Jan 10/21	7: Assay Lab Composite (Jan 9/21 - Jan 10/21)	8: Tailings-Solid Composite 2	9: Tailings - Solid Jan 24/21
Sulphide [%]	11-Mar-21	09:47	11-Mar-21	13:12	1.48	1.54	1.46	1.36	1.84
C [%]	08-Mar-21	07:31	10-Mar-21	10:50	1.51	1.27	1.29	1.30	1.39
CO3 [%]	10-Mar-21	07:43	10-Mar-21	10:50	3.84	3.89	4.29	3.92	4.16
CN(Free) [%]	12-Feb-21	12:00	19-Feb-21	13:20	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
CNWAD [%]	10-Feb-21	08:27	11-Feb-21	15:15	< 0.001	0.001	< 0.001	< 0.001	< 0.001
CN(T) [%]	10-Feb-21	08:27	11-Feb-21	15:15	0.002	0.004	0.003	0.002	0.003

\*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**



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### Agnico Eagle Mines Limited

Attn : Dan Gorton/Sean Arruda

Meliadine,

Canada, X0C 0A0

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

mel

10-March-2021

Date Rec. : 04 February 2021

LR Report: CA14068-FEB21

Reference: P.O# 999004

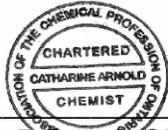
Copy: #1

# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite 1	6: Tailings - solid Jan 10/21 Composite	7: Assay Lab Composite (Jan 9/21 - Jan 10/21)	8: Tailings-Solid Composite 2	9: Tailings - Solid Jan 24/21
Sample Date & Time					29-Jan-21	10-Jan-21 08:00	09-Jan-21	10-Jan-21	24-Jan-21 09:00
Ag [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	< 1	< 1	< 1	< 1	< 1
Al [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	42000	49000	49000	47000	42000
As [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	7600	9500	9600	9400	12000
Ba [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	390	370	380	410	340
Be [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	0.94	0.98	0.94	1.02	0.95
Bi [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	0.61	0.81	0.77	0.78	0.94
Ca [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	23000	24000	23000	25000	24000
Cd [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	0.65	0.47	0.42	0.40	0.45
Co [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	8.21	9.70	9.73	10	9.16
Cr [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	60	66	64	61	68
Cu [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	110	92	73	99	100
Fe [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	130000	110000	110000	120000	130000
K [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	11000	12000	12000	12000	11000
Li [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	16	17	17	18	16
Mg [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	7900	9000	8900	9000	8700
Mn [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	530	400	400	410	410

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite 1	6: Tailings - solid Jan 10/21 Composite	7: Assay Lab Composite (Jan 9/21 - Jan 10/21)	8: Tailings-Solid Composite 2	9: Tailings - Solid Jan 24/21
Mo [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	6.4	8.4	8.3	7.8	9.7
Na [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	8100	12000	12000	9800	8100
Ni [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	28	26	26	26	23
P [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	560	510	500	560	570
Pb [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	240	280	270	270	310
Sb [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	2.2	2.7	2.7	2.7	3.2
Se [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	0.9	1.1	1.0	1.0	1.2
Sn [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	220	220	210	230	200
Ti [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	1200	1600	1600	1500	1300
Tl [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	3.15	0.44	0.61	0.49	0.38
U [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	0.93	0.99	0.98	0.99	0.92
V [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	40	54	52	52	47
Y [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	5.92	5.93	5.90	6.18	5.79
Zn [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	60	64	62	77	67
	---	---	---	---	1	1	1	1	1

Chromium may not recover completely depending on sample matrix.

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



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### Agnico Eagle Mines Limited

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Meliadine  
, Nunavut  
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mel

08-September-2021

Date Rec. : 13 August 2021  
LR Report: CA14119-AUG21  
Reference: P.O# 999004

Copy: #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
Sample Date & Time					08-Aug-21 11:30
Paste pH [no unit]	19-Aug-21	08:15	20-Aug-21	11:57	8.40
Fizz Rate [no unit]	19-Aug-21	08:15	20-Aug-21	11:57	4
Sample weight [g]	19-Aug-21	08:15	20-Aug-21	11:57	1.98
HCl_add [mL]	19-Aug-21	08:15	20-Aug-21	11:57	56.00
HCl [Normality]	19-Aug-21	08:15	20-Aug-21	11:57	0.10
NaOH [Normality]	19-Aug-21	08:15	20-Aug-21	11:57	0.10
Vol NaOH to pH=8.3 [mL]	19-Aug-21	08:15	20-Aug-21	11:57	26.64
Final pH [no unit]	19-Aug-21	08:15	20-Aug-21	11:57	1.78
NP [t CaCO3/1000 t]	19-Aug-21	08:15	20-Aug-21	11:57	74.1
AP [t CaCO3/1000 t]	02-Sep-21	15:23	02-Sep-21	15:23	43.4
Net NP [t CaCO3/1000 t]	02-Sep-21	15:23	02-Sep-21	15:23	30.7
NP/AP [ratio]	02-Sep-21	15:23	02-Sep-21	15:23	1.71
S [%]	31-Aug-21	07:49	02-Sep-21	15:23	1.79
Acid Leachable SO4-S [%]	02-Sep-21	15:22	02-Sep-21	15:23	0.40
Sulphide [%]	01-Sep-21	15:06	02-Sep-21	15:22	1.39

OnLine LIMS

0002631901

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - solid
C [%]	31-Aug-21	07:49	02-Sep-21	15:22	1.38
CO3 (HCl) [%]	02-Sep-21	12:53	02-Sep-21	15:22	6.45

\*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

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08-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 13 August 2021  
**LR Report:** CA14120-AUG21  
**Reference:** P.O# 999004

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 , Nunavut  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings - solid
Sample Date & Time					08-Aug-21 11:30
Ag [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	< 0.5
Al [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	52000
As [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	8000
Ba [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	410
Be [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	1
Bi [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	0.95
Ca [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	21000
Cd [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	0.26
Co [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	11
Cr [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	47
Cu [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	73
Fe [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	97000
K [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	11000
Li [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	18
Mg [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	8000
Mn [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	380
Mo [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	10.0
Na [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	11000
Ni [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	26
P [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	450
Pb [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	230
Sb [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	2.2
Se [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	0.9
Sn [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	< 6
Sr [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	200
Ti [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	1400
Tl [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	0.29

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LR Report : CA14120-AUG21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings - solid
U [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	1.07
V [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	50
Y [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	5.30
Zn [µg/g]	18-Aug-21	21:15	19-Aug-21	16:32	63

Chromium may not recover completely depending on sample matrix.

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





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mel

Project : PO#OL-999004

26-January-2022

Date Rec. : 09 December 2021

LR Report: CA14157-DEC21

Reference: P.O# 999004

Copy: #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
Sample Date & Time					28-Nov-21 12:00	28-Nov-21 08:20
Paste pH [no unit]	21-Dec-21	08:30	27-Dec-21	08:48	8.38	8.25
Fizz Rate [no unit]	21-Dec-21	08:30	27-Dec-21	08:48	2	2
Sample weight [g]	21-Dec-21	08:30	27-Dec-21	08:48	2.00	2.00
HCl_add [mL]	22-Dec-21	08:30	27-Dec-21	08:48	65.00	84.30
HCl [Normality]	21-Dec-21	08:30	27-Dec-21	08:48	0.10	0.10
NaOH [Normality]	21-Dec-21	08:30	27-Dec-21	08:48	0.10	0.10
Vol NaOH to pH=8.3 [mL]	22-Dec-21	08:30	27-Dec-21	08:48	42.69	49.10
Final pH [no unit]	22-Dec-21	08:30	27-Dec-21	08:48	1.82	1.62
NP [t CaCO3/1000 t]	22-Dec-21	08:30	27-Dec-21	08:48	80.8	89.7
AP [t CaCO3/1000 t]	06-Jan-22	12:18	06-Jan-22	12:18	39.4	42.8
Net NP [t CaCO3/1000 t]	06-Jan-22	12:18	06-Jan-22	12:18	41.4	46.9
NP/AP [ratio]	06-Jan-22	12:18	06-Jan-22	12:18	2.05	2.10
S [%]	23-Dec-21	14:14	06-Jan-22	12:18	1.68	1.85
Acid Leachable SO4-S [%]	06-Jan-22	12:07	06-Jan-22	12:18	0.42	0.48
Sulphide [%]	06-Jan-22	06:37	06-Jan-22	12:18	1.26	1.37

OnLine LIMS

0002783349

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings - solid
C [%]	23-Dec-21	14:14	06-Jan-22	12:18	1.34	1.40
CO3 (HCl) [%]	06-Jan-22	06:19	06-Jan-22	12:18	6.32	6.67

\*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*  
  
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 Project Specialist,  
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**SGS Canada Inc.**

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26-January-2022

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 09 December 2021  
**LR Report:** CA14158-DEC21  
**Reference:** P.O# 999004

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# CERTIFICATE OF ANALYSIS

## Final Report

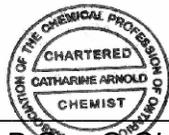
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings - solid
Sample Date & Time					28-Nov-21 12:00	28-Nov-21 08:20
Ag [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	< 0.5	< 0.5
Al [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	48000	48000
As [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	8500	9900
Ba [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	490	550
Be [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	0.98	1
Bi [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	1	2
Ca [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	21000	23000
Cd [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	0.37	0.40
Co [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	12	14
Cr [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	45	63
Cu [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	71	88
Fe [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	89000	93000
K [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	11000	11000
Li [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	17	18
Mg [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	7300	8100
Mn [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	400	520
Mo [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	8.7	8.1
Na [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	11000	10000
Ni [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	30	35
P [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	420	440
Pb [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	420	330
Sb [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	3.2	3.6
Se [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	0.8	0.9
Sn [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	< 6	< 6
Sr [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	240	240
Ti [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	1600	1800
Tl [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	0.42	0.43

**SGS Canada Inc.**

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LR Report : CA14158-DEC21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings - solid
U [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	1.29	1.33
V [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	54	67
Y [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	6.53	6.85
Zn [µg/g]	22-Dec-21	20:02	30-Dec-21	14:57	95	110
CN(Free) [µg/g]	05-Jan-22	10:24	06-Jan-22	08:37	< 0.05	< 0.05
CN(T) [µg/g]	04-Jan-22	11:21	06-Jan-22	08:28	23	21
CNWAD [µg/g]	04-Jan-22	11:21	06-Jan-22	08:28	< 10	< 10

*Catharine Arnold*  
  
 Catharine Arnold, B.Sc., C.Chem  
 Project Specialist,  
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### Agnico Eagle Mines Limited

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mel

Project : PO#OL-999004

28-February-2022

Date Rec. : 13 January 2022  
LR Report: CA14165-JAN22

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# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Date Completed	4: Analysis Time Completed	5: Tailings - Solid 1	6: Tailings -Solid Composite 1	7: Tailings -Solid Composite 2	8: Tailings - Solid 2
Sample Date & Time					09-Jan-22 07:30	09-Jan-22	26-Dec-21	26-Dec-21
Paste pH [no unit]	30-Jan-22	08:00	03-Feb-22	11:01	8.63	8.31	8.16	8.30
Fizz Rate [no unit]	30-Jan-22	08:00	03-Feb-22	11:01	3	2	3	3
Sample weight [g]	30-Jan-22	08:00	03-Feb-22	11:01	2.01	2.00	2.00	2.01
HCl_add [mL]	31-Jan-22	06:58	03-Feb-22	11:01	79.70	85.90	93.50	96.30
HCl [Normality]	30-Jan-22	08:00	03-Feb-22	11:01	0.10	0.10	0.10	0.10
NaOH [Normality]	30-Jan-22	08:00	03-Feb-22	11:01	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	31-Jan-22	08:10	03-Feb-22	11:01	45.85	48.92	55.20	57.31
Final pH [no unit]	31-Jan-22	08:10	03-Feb-22	11:01	1.64	1.59	1.56	1.55
NP [t CaCO3/1000 t]	31-Jan-22	08:10	03-Feb-22	11:01	84.2	92.4	95.7	97.0
AP [t CaCO3/1000 t]	25-Feb-22	10:29	25-Feb-22	10:29	42.8	31.6	50.3	40.3
Net NP [t CaCO3/1000 t]	25-Feb-22	10:29	25-Feb-22	10:29	41.4	60.8	45.4	56.7
NP/AP [ratio]	25-Feb-22	10:29	25-Feb-22	10:29	1.97	2.93	1.90	2.41
S [%]	24-Feb-22	09:28	25-Feb-22	10:29	1.38	1.32	1.72	1.47
Acid Leachable SO4-S [%]	25-Feb-22	10:29	25-Feb-22	10:29	< 0.04	0.31	0.11	0.18
Sulphide [%]	24-Feb-22	13:49	25-Feb-22	10:29	1.37	1.01	1.61	1.29
C [%]	24-Feb-22	09:28	24-Feb-22	12:30	1.27	1.60	1.66	1.66

OnLine LIMS

0002814281

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Date Completed	4: Analysis Time Completed	5: Tailings - Solid 1	6: Tailings -Solid Composite 1	7: Tailings -Solid Composite 2	8: Tailings - Solid 2
CO3 (pyro) [%]	24-Feb-22	10:51	24-Feb-22	12:30	3.63	4.06	4.47	4.13
CO3 (HCl) [%]	25-Feb-22	15:04	25-Feb-22	16:43	5.84	7.55	7.56	7.74

\*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**



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Project : P.O# 999004

26-January-2022

Date Rec. : 13 January 2022

LR Report: CA14166-JAN22

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# CERTIFICATE OF ANALYSIS

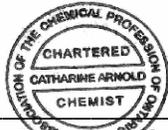
## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings -Solid Composite 1	7: Tailings -Solid Composite 2	8: Tailings - Solid 2
Sample Date & Time					09-Jan-22 07:30	09-Jan-22	26-Dec-21	26-Dec-21 08:00
CN(T) [µg/g]	21-Jan-22	08:05	25-Jan-22	11:43	22	25	25	27
CN(Free) [µg/g]	24-Jan-22	08:00	25-Jan-22	09:50	< 0.05	< 0.05	< 0.05	< 0.05
CNWAD [µg/g]	21-Jan-22	08:05	25-Jan-22	11:43	< 10	< 10	< 10	< 10
Ag [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	0.7	0.5	< 0.5	0.5
Al [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	58000	61000	59000	59000
As [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	9900	8900	12000	9800
Ba [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	540	530	560	520
Be [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	1	1	1	1
Bi [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	2	2	1	1
Ca [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	30000	34000	34000	33000
Cd [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	0.47	0.46	0.59	0.50
Co [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	16	19	21	18
Cr [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	54	65	60	45
Cu [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	100	110	130	120
Fe [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	110000	100000	110000	110000
K [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	17000	17000	17000	16000

OnLine LIMS

0002783363

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed Date	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid 1	6: Tailings -Solid Composite 1	7: Tailings -Solid Composite 2	8: Tailings - Solid 2
Li [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	18	19	19	18
Mg [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	11000	12000	12000	11000
Mn [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	520	650	670	610
Mo [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	11	8.3	7.1	8.0
Na [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	11000	13000	11000	12000
Ni [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	40	45	43	40
P [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	640	570	620	590
Pb [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	450	390	360	400
Sb [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	3.0	2.8	3.8	3.1
Se [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	1.0	1.0	1.0	1.0
Sn [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	< 6	< 6	< 6	< 6
Sr [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	250	260	260	250
Ti [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	1900	2100	2100	2000
Tl [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	0.41	0.43	0.45	0.40
U [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	1.25	1.21	1.20	1.17
V [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	68	80	82	78
Y [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	7.34	7.86	7.78	7.37
Zn [µg/g]	26-Jan-22	12:12	26-Jan-22	15:52	130	130	190	150

*Catharine Arnold*  
  
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**Project Specialist,**  
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**Agnico Eagle Mines Limited**

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19-November-2021

**Date Rec. :** 26 October 2021

**LR Report:** CA14427-OCT21

**Reference:** P.O# 999004

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# CERTIFICATE OF ANALYSIS

## Final Report

<b>Analysis</b>	<b>1: Analysis Start Date</b>	<b>2: Analysis Start Time</b>	<b>3: Analysis Completed Date</b>	<b>4: Analysis Completed Time</b>	<b>5: Tailings-Solid Composite</b>	<b>6: Tailings-Solid</b>
Sample Date & Time					18-Oct-21 12:00	18-Oct-21 14:09
Paste pH [no unit]	05-Nov-21	09:01	08-Nov-21	10:48	8.32	8.27
Fizz Rate [no unit]	05-Nov-21	09:01	08-Nov-21	10:48	3	3
Sample weight [g]	05-Nov-21	09:01	08-Nov-21	10:48	1.99	2.00
HCl_add [mL]	06-Nov-21	07:04	08-Nov-21	10:48	60.80	61.50
HCl [Normality]	05-Nov-21	09:01	08-Nov-21	10:48	0.10	0.10
NaOH [Normality]	05-Nov-21	09:01	08-Nov-21	10:48	0.10	0.10
Vol NaOH to pH=8.3 [mL]	06-Nov-21	07:04	08-Nov-21	10:48	33.68	31.52
Final pH [no unit]	06-Nov-21	07:04	08-Nov-21	10:48	1.74	1.67
NP [t CaCO3/1000 t]	06-Nov-21	07:04	08-Nov-21	10:48	68.1	74.9
AP [t CaCO3/1000 t]	08-Nov-21	10:48	08-Nov-21	10:49	44.4	46.2
Net NP [t CaCO3/1000 t]	08-Nov-21	10:48	08-Nov-21	10:49	23.7	28.6
NP/AP [ratio]	08-Nov-21	10:48	08-Nov-21	10:49	1.53	1.62
S [%]	02-Nov-21	07:05	03-Nov-21	14:54	1.77	1.67
Acid Leachable SO4-S [%]	04-Nov-21	15:20	04-Nov-21	15:20	0.35	0.19
Sulphide [%]	03-Nov-21	15:55	04-Nov-21	15:20	1.42	1.48

OnLine LIMS

0002718319

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings-Solid
C [%]	02-Nov-21	07:05	03-Nov-21	14:54	1.70	1.40
CO3 (HCl) [%]	03-Nov-21	09:05	03-Nov-21	15:40	8.22	6.23

\*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,  
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**SGS Canada Inc.**

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19-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 26 October 2021  
**LR Report:** CA14428-OCT21  
**Reference:** P.O# OL-999004

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# CERTIFICATE OF ANALYSIS

## Final Report

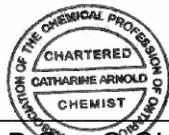
Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite(sys_loc_code=Ta ilings-solid)	6: Tailings-Solid
Sample Date & Time					18-Oct-21 12:00	18-Oct-21 14:09
CN(T) [µg/g]	15-Nov-21	10:30	19-Nov-21	13:53	15	20
CNWAD [µg/g]	15-Nov-21	10:30	19-Nov-21	13:53	< 10	< 10
CN(Free) [µg/g]	16-Nov-21	07:35	16-Nov-21	13:54	< 0.05	< 0.05
Ag [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	< 0.5	< 0.5
Al [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	50000	50000
As [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	12000	8000
Ba [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	410	410
Be [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	0.89	0.96
Bi [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	1	0.80
Ca [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	29000	22000
Cd [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	0.37	0.22
Co [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	15	12
Cr [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	100	100
Cu [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	99	74
Fe [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	130000	96000
K [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	13000	14000
Li [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	17	14
Mg [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	11000	8600
Mn [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	540	360
Mo [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	7.5	5.2
Na [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	12000	14000
Ni [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	34	28
P [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	590	550
Pb [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	470	240
Sb [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	3.0	2.5
Se [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	1.0	< 0.7
Sn [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	< 6	< 6

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LR Report : CA14428-OCT21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite(sys_loc_code=Ta ilings-solid)	6: Tailings-Solid
Sr [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	230	220
Ti [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	1900	1600
Tl [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	0.36	0.43
U [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	1.06	1.14
V [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	69	51
Y [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	6.69	5.82
Zn [µg/g]	03-Nov-21	19:22	08-Nov-21	16:14	94	76

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12-November-2021

Date Rec. : 26 October 2021

LR Report: CA14429-OCT21

Reference: P.O# 999004

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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 (sys_loc_cod e=Tailings-sol id)	5: Tailings - Solid
Sample Date & Time					06-Oct-21
Paste pH [no unit]	05-Nov-21	09:01	08-Nov-21	09:53	8.21
Fizz Rate [no unit]	05-Nov-21	09:01	08-Nov-21	09:53	3
Sample weight [g]	05-Nov-21	09:01	08-Nov-21	09:53	2.00
HCl_add [mL]	06-Nov-21	07:04	08-Nov-21	09:53	60.40
HCl [Normality]	05-Nov-21	09:01	08-Nov-21	09:53	0.10
NaOH [Normality]	05-Nov-21	09:01	08-Nov-21	09:53	0.10
Vol NaOH to pH=8.3 [mL]	06-Nov-21	07:04	08-Nov-21	09:53	28.88
Final pH [no unit]	06-Nov-21	07:04	08-Nov-21	09:53	1.69
NP [t CaCO3/1000 t]	06-Nov-21	07:04	08-Nov-21	09:53	78.8
AP [t CaCO3/1000 t]	08-Nov-21	09:51	08-Nov-21	09:52	38.1
Net NP [t CaCO3/1000 t]	08-Nov-21	09:51	08-Nov-21	09:53	40.7
NP/AP [ratio]	08-Nov-21	09:51	08-Nov-21	09:53	2.07
S [%]	02-Nov-21	07:05	03-Nov-21	14:54	1.64

OnLine LIMS

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Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time (sys_loc_cod e=Tailings-sol id)	5: Tailings - Solid
Acid Leachable SO4-S [%]	08-Nov-21	09:51	08-Nov-21	09:51	0.42
Sulphide [%]	05-Nov-21	20:59	08-Nov-21	09:51	1.22
C [%]	02-Nov-21	07:05	03-Nov-21	14:55	1.43
CO3 (HCl) [%]	03-Nov-21	09:05	03-Nov-21	15:40	6.24

\*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**

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19-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 26 October 2021  
**LR Report:** CA14430-OCT21  
**Reference:** P.O# 999004

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# CERTIFICATE OF ANALYSIS

## Final Report

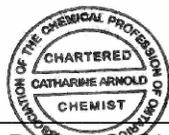
Analysis	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid
Sample Date & Time				06-Oct-21
CN(T) [µg/g]	10:30	19-Nov-21	13:50	17
CNWAD [µg/g]	10:30	19-Nov-21	13:50	< 10
CN(Free) [µg/g]	07:35	16-Nov-21	13:54	< 0.05
Ag [µg/g]	19:22	08-Nov-21	16:15	< 0.5
Al [µg/g]	19:22	08-Nov-21	16:15	56000
As [µg/g]	19:22	08-Nov-21	16:15	7900
Ba [µg/g]	19:22	08-Nov-21	16:15	470
Be [µg/g]	19:22	08-Nov-21	16:15	1
Bi [µg/g]	19:22	08-Nov-21	16:15	1
Ca [µg/g]	19:22	08-Nov-21	16:15	26000
Cd [µg/g]	19:22	08-Nov-21	16:15	0.25
Co [µg/g]	19:22	08-Nov-21	16:15	13
Cr [µg/g]	19:22	08-Nov-21	16:15	110
Cu [µg/g]	19:22	08-Nov-21	16:15	84
Fe [µg/g]	19:22	08-Nov-21	16:15	110000
K [µg/g]	19:22	08-Nov-21	16:15	16000
Li [µg/g]	19:22	08-Nov-21	16:15	15
Mg [µg/g]	19:22	08-Nov-21	16:15	9500
Mn [µg/g]	19:22	08-Nov-21	16:15	400
Mo [µg/g]	19:22	08-Nov-21	16:15	4.9
Na [µg/g]	19:22	08-Nov-21	16:15	15000
Ni [µg/g]	19:22	08-Nov-21	16:15	31
P [µg/g]	19:22	08-Nov-21	16:15	610
Pb [µg/g]	19:22	08-Nov-21	16:15	260
Sb [µg/g]	19:22	08-Nov-21	16:15	2.6
Se [µg/g]	19:22	08-Nov-21	16:15	0.7
Sn [µg/g]	19:22	08-Nov-21	16:15	< 6

**SGS Canada Inc.**

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LR Report : CA14430-OCT21

Analysis	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid
Sr [µg/g]	19:22	08-Nov-21	16:15	250
Ti [µg/g]	19:22	08-Nov-21	16:15	1800
Tl [µg/g]	19:22	08-Nov-21	16:15	0.50
U [µg/g]	19:22	08-Nov-21	16:15	1.23
V [µg/g]	19:22	08-Nov-21	16:15	57
Y [µg/g]	19:22	08-Nov-21	16:15	6.43
Zn [µg/g]	19:22	08-Nov-21	16:15	91

*Catharine Arnold*   
**Catharine Arnold, B.Sc., C.Chem**  
 Project Specialist,  
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24-February-2022

**Date Rec. :** 26 October 2021

**LR Report:** CA14480-OCT21

**Reference:** P.O# OL-999004

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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 Composite	6: Tailings - solid
Sample Date & Time					20-Sep-21	20-Sep-21
Paste pH [no unit]	01-Nov-21	08:13	02-Nov-21	14:45	8.09	8.22
Fizz Rate [no unit]	01-Nov-21	08:13	02-Nov-21	14:45	3	3
Sample weight [g]	01-Nov-21	08:13	02-Nov-21	14:45	2.01	2.01
HCl_add [mL]	02-Nov-21	06:15	02-Nov-21	14:45	46.00	57.00
HCl [Normality]	01-Nov-21	08:13	02-Nov-21	14:45	0.10	0.10
NaOH [Normality]	01-Nov-21	08:13	02-Nov-21	14:45	0.10	0.10
Vol NaOH to pH=8.3 [mL]	02-Nov-21	08:15	02-Nov-21	14:45	16.19	25.10
Final pH [no unit]	02-Nov-21	08:15	02-Nov-21	14:45	1.90	1.61
NP [t CaCO3/1000 t]	02-Nov-21	08:15	02-Nov-21	14:45	74.1	79.3
AP [t CaCO3/1000 t]	08-Nov-21	09:51	08-Nov-21	09:54	45.0	40.9
Net NP [t CaCO3/1000 t]	08-Nov-21	09:51	08-Nov-21	09:54	29.1	38.4
NP/AP [ratio]	08-Nov-21	09:51	08-Nov-21	09:54	1.65	1.94
S [%]	02-Nov-21	07:05	03-Nov-21	14:55	1.76	1.56
Acid Leachable SO4-S [%]	08-Nov-21	09:51	08-Nov-21	09:53	0.32	0.25
Sulphide [%]	05-Nov-21	20:59	08-Nov-21	09:53	1.44	1.31

OnLine LIMS

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Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings - solid
C [%]	02-Nov-21	07:05	03-Nov-21	14:55	1.62	1.56
CO3 (HCl) [%]	03-Nov-21	09:05	03-Nov-21	15:40	7.53	7.29

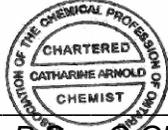
\*NP (Neutralization Potential)  
 =  $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$   
 -----  
 Weight of Sample

\*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**  
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19-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 26 October 2021  
**LR Report:** CA14481-OCT21  
**Reference:** P.O# OL-999004

 Meliadine  
 , Nunavut  
 X0C 0A0, Canada

**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: Tailings-Solid Composite	6: Tailings- solid
Sample Date & Time					20-Sep-21	20-Sep-21
CN(T) [%]	15-Nov-21	10:30	17-Nov-21	08:30	0.00	---
CNWAD [%]	15-Nov-21	10:30	17-Nov-21	08:30	< 0.001	---
CN(Free) [µg/g]	16-Nov-21	07:35	16-Nov-21	13:54	< 0.05	---
Ag [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	< 0.5	< 0.5
Al [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	49000	52000
As [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	13000	12000
Ba [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	360	370
Be [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	0.88	0.87
Bi [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	2	2
Ca [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	30000	31000
Cd [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	0.50	0.61
Co [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	19	19
Cr [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	130	150
Cu [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	99	110
Fe [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	110000	120000
K [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	13000	13000
Li [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	18	18
Mg [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	12000	13000
Mn [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	590	610
Mo [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	10	12
Na [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	12000	13000
Ni [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	42	43
P [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	520	530
Pb [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	440	500
Sb [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	3.3	2.8
Se [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	1.2	1.1
Sn [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	< 6	< 6

**SGS Canada Inc.**

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

LR Report : CA14481-OCT21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings- solid
Sr [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	210	230
Ti [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	2200	2400
Tl [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	0.37	0.37
U [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	1.08	1.08
V [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	93	95
Y [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	6.70	7.41
Zn [µg/g]	03-Nov-21	19:22	08-Nov-21	16:15	140	140

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



SGS Canada Inc.

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### Agnico Eagle Mines Limited

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11-March-2021

Date Rec. : 25 February 2021

LR Report: CA14584-FEB21

Reference: P.O# 999004

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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 Composite Jan 24	6: Tailings - solid Feb 7	7: Tailings-Solid Composite Feb 7	8: Tailings -solid Feb 21
Sample Date & Time					24-Jan-21	07-Feb-21 11:15	07-Feb-21	21-Feb-21 07:30
Paste pH [no unit]	03-Mar-21	09:10	04-Mar-21	15:33	8.29	8.41	8.32	8.48
Fizz Rate [no unit]	03-Mar-21	09:10	04-Mar-21	15:33	3	3	3	3
Sample weight [g]	03-Mar-21	09:10	04-Mar-21	15:33	2.00	2.05	2.06	2.03
HCl_add [mL]	04-Mar-21	07:10	04-Mar-21	15:33	73.60	74.70	74.20	63.70
HCl [Normality]	03-Mar-21	09:10	04-Mar-21	15:33	0.10	0.10	0.10	0.10
NaOH [Normality]	03-Mar-21	09:10	04-Mar-21	15:33	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	04-Mar-21	09:05	04-Mar-21	15:33	39.50	39.61	39.51	30.51
Final pH [no unit]	04-Mar-21	09:05	04-Mar-21	15:33	1.63	1.66	1.65	1.72
NP [t CaCO3/1000 t]	04-Mar-21	09:05	04-Mar-21	15:33	85.3	85.6	84.2	81.7
AP [t CaCO3/1000 t]	11-Mar-21	13:15	11-Mar-21	13:15	45.0	46.6	40.3	31.2
Net NP [t CaCO3/1000 t]	11-Mar-21	13:15	11-Mar-21	13:15	40.3	39.0	43.9	50.4
NP/AP [ratio]	11-Mar-21	13:15	11-Mar-21	13:15	1.90	1.84	2.09	2.61
S [%]	08-Mar-21	07:31	11-Mar-21	13:15	1.71	1.84	1.61	1.31
Acid Leachable SO4-S [%]	11-Mar-21	13:14	11-Mar-21	13:15	0.27	0.35	0.32	0.31

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite Jan 24	6: Tailings - solid Feb 7	7: Tailings-Solid Composite Feb 7	8: Tailings -solid Feb 21
Sulphide [%]	11-Mar-21	09:47	11-Mar-21	13:15	1.44	1.49	1.29	1.00
C [%]	08-Mar-21	07:31	10-Mar-21	10:52	1.34	1.35	1.34	1.35
CO3 [%]	10-Mar-21	07:43	10-Mar-21	10:52	4.25	4.43	4.27	4.33
CN(Free) [µg/g]	01-Mar-21	19:44	11-Mar-21	08:39	0.12	---	0.12	---
CNWAD [%]	09-Mar-21	11:19	11-Mar-21	08:37	0.001	---	0.001	---
CN(T) [%]	05-Mar-21	12:22	05-Mar-21	16:02	0.003	---	0.002	---

\*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**



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### Agnico Eagle Mines Limited

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Meliadine,

Canada, X0C 0A0

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mel

10-March-2021

Date Rec. : 25 February 2021

LR Report: CA14585-FEB21

Reference: P.O# 999004

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## CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite Jan (sys_loc_code=Tailings-solid) Feb 24	6: Tailings - solid Composite Feb (sys_loc_code=Tailings-solid) Feb 7	7: Tailings-Solid Composite Feb (sys_loc_code=Tailings-solid) Feb 7	8: Tailings -solid Composite Feb 21
Sample Date & Time					24-Jan-21	07-Feb-21 11:15	07-Feb-21	21-Feb-21 07:30
Ag [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	< 1	< 1	< 1	< 1
Al [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	45000	48000	46000	49000
As [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	9800	11000	8600	7200
Ba [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	420	440	430	460
Be [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	1.00	1.08	1.05	1.07
Bi [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	1.0	1.0	0.87	0.89
Ca [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	23000	24000	24000	25000
Cd [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	0.43	0.40	0.37	0.39
Co [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	10	11	9	11
Cr [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	42	44	43	48
Cu [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	96	95	94	94
Fe [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	100000	100000	120000	110000
K [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	12000	13000	12000	13000
Li [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	16	16	16	17
Mg [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	8600	9300	8800	9300
Mn [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	390	400	400	420

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite Jan 24 (sys_loc_code=Tailings-solid)	6: Tailings - solid Composite Feb 7 (sys_loc_code=Tailings-solid)	7: Tailings-Solid Composite Feb 7 (sys_loc_code=Tailings-solid)	8: Tailings -solid Composite Feb 21 (sys_loc_code=Tailings-solid)
Mo [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	9.6	8.7	6.8	7.3
Na [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	10000	10000	9200	10000
Ni [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	26	28	26	29
P [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	490	510	540	530
Pb [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	360	300	290	280
Sb [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	2.7	3.0	2.5	2.1
Se [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	1.1	1.1	0.9	0.9
Sn [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	< 6	< 6	< 6	< 6
Sr [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	200	210	220	230
Ti [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	1400	1600	1500	1600
Tl [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	0.33	0.37	0.32	0.38
U [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	0.99	1.03	0.98	1.07
V [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	55	61	51	58
Y [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	5.94	6.38	6.08	6.47
Zn [µg/g]	09-Mar-21	14:00	10-Mar-21	10:58	69	69	64	76

Chromium may not recover completely depending on sample matrix.

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



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10-September-2021

**Date Rec. :** 26 August 2021  
**LR Report:** CA14662-AUG21  
**Reference:** P.O# 999004

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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
Sample Date & Time					22-Aug-21 08:00
Paste pH [no unit]	02-Sep-21	09:30	07-Sep-21	09:25	8.44
Fizz Rate [no unit]	02-Sep-21	09:30	07-Sep-21	09:25	3
Sample weight [g]	02-Sep-21	09:30	07-Sep-21	09:25	2.02
HCl_add [mL]	03-Sep-21	07:31	07-Sep-21	09:25	73.00
HCl [Normality]	02-Sep-21	09:30	07-Sep-21	09:25	0.10
NaOH [Normality]	02-Sep-21	09:30	07-Sep-21	09:25	0.10
Vol NaOH to pH=8.3 [mL]	03-Sep-21	09:31	07-Sep-21	09:25	37.55
Final pH [no unit]	03-Sep-21	09:31	07-Sep-21	09:25	1.73
NP [t CaCO3/1000 t]	03-Sep-21	09:31	07-Sep-21	09:25	87.8
AP [t CaCO3/1000 t]	07-Sep-21	09:25	07-Sep-21	09:25	40.9
Net NP [t CaCO3/1000 t]	07-Sep-21	09:25	07-Sep-21	09:25	46.9
NP/AP [ratio]	07-Sep-21	09:25	07-Sep-21	09:25	2.14
S [%]	02-Sep-21	16:10	03-Sep-21	13:22	1.55
Acid Leachable SO4-S [%]	03-Sep-21	13:22	03-Sep-21	13:22	0.24
Sulphide [%]	03-Sep-21	10:27	03-Sep-21	13:22	1.31

OnLine LIMS

0002635854

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - solid
C [%]	02-Sep-21	16:10	03-Sep-21	12:20	1.62
CO3 (HCl) [%]	08-Sep-21	14:35	08-Sep-21	14:55	7.62

\*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

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10-September-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 26 August 2021  
**LR Report:** CA14663-AUG21  
**Reference:** P.O# 999004

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 X0C 0A0, Canada

**Copy:** #1

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings - solid
Sample Date & Time					22-Aug-21 08:00
Ag [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	< 0.5
Al [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	57000
As [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	9800
Ba [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	410
Be [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	1
Bi [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	1
Ca [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	27000
Cd [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	0.53
Co [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	16
Cr [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	59
Cu [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	110
Fe [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	110000
K [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	15000
Li [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	18
Mg [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	12000
Mn [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	530
Mo [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	9.2
Na [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	13000
Ni [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	37
P [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	520
Pb [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	490
Sb [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	2.5
Se [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	1.0
Sn [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	< 6
Sr [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	200
Ti [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	1800
Tl [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	0.36

**SGS Canada Inc.**

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LR Report : CA14663-AUG21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings - solid
U [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	1.1
V [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	75
Y [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	6.9
Zn [µg/g]	09-Sep-21	19:00	10-Sep-21	10:47	100

Chromium may not recover completely depending on sample matrix.

*Catharine Arnold*  
 Catharine Arnold, B.Sc., C.Chem  
 Project Specialist,  
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19-May-2021

Date Rec. : 21 April 2021  
LR Report: CA14740-APR21  
Reference: P.O# 999004

Copy: #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 Apr 4	7: Tailings - solid Apr 18
Sample Date & Time					04-Apr-21	04-Apr-21	18-Apr-21
Paste pH [no unit]	29-Apr-21	08:54	30-Apr-21	15:25	8.28	8.25	8.21
Fizz Rate [no unit]	29-Apr-21	08:54	30-Apr-21	15:25	3	3	3
Sample weight [g]	29-Apr-21	08:54	30-Apr-21	15:25	2.00	1.99	1.95
HCl_add [mL]	30-Apr-21	07:14	30-Apr-21	15:25	76.00	73.00	77.00
HCl [Normality]	29-Apr-21	08:54	30-Apr-21	15:25	0.10	0.10	0.10
NaOH [Normality]	29-Apr-21	08:54	30-Apr-21	15:25	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	30-Apr-21	09:09	30-Apr-21	15:25	41.52	41.05	40.74
Final pH [no unit]	30-Apr-21	09:09	30-Apr-21	15:25	1.70	1.63	1.72
NP [t CaCO3/1000 t]	30-Apr-21	09:09	30-Apr-21	15:25	86.2	80.3	93.0
AP [t CaCO3/1000 t]	06-May-21	15:57	06-May-21	15:57	39.4	35.3	48.4
Net NP [t CaCO3/1000 t]	06-May-21	15:57	06-May-21	15:57	46.8	45.0	44.6
NP/AP [ratio]	06-May-21	15:57	06-May-21	15:57	2.19	2.27	1.92
S [%]	30-Apr-21	11:24	06-May-21	15:57	1.75	1.55	2.05
Acid Leachable SO4-S [%]	06-May-21	02:23	06-May-21	15:57	0.49	0.42	0.50
Sulphide [%]	06-May-21	02:23	06-May-21	15:57	1.26	1.13	1.55

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings - solid Apr 4	7: Tailings - solid Apr 18
C [%]	30-Apr-21	11:24	03-May-21	12:36	1.50	1.42	1.69
CO3 [%]	03-May-21	08:25	10-May-21	13:13	6.92	6.64	7.79

\*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.**

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

13-May-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 21 April 2021  
**LR Report:** CA14741-APR21  
**Reference:** P.O# 999004

 Meliadine  
 , Nunavut  
 X0C 0A0, Canada

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings - solid Apr 4	7: Tailings - solid Apr 18
Sample Date & Time					04-Apr-21	04-Apr-21	18-Apr-21
CN(T) [µg/g]	04-May-21	13:58	06-May-21	14:24	29	---	---
CN(Free) [µg/g]	04-May-21	13:26	06-May-21	14:26	< 0.05	---	---
CNWAD [µg/g]	04-May-21	13:58	06-May-21	14:26	< 10	---	---
Ag [µg/g]	12-May-21	11:00	13-May-21	17:01	< 0.5	< 0.5	< 0.5
Al [µg/g]	12-May-21	11:00	13-May-21	17:01	51000	53000	48000
As [µg/g]	12-May-21	11:00	13-May-21	17:01	9900	7200	12000
Ba [µg/g]	12-May-21	11:00	13-May-21	17:01	190	210	120
Be [µg/g]	12-May-21	11:00	13-May-21	17:01	1.1	1.0	1.1
Bi [µg/g]	12-May-21	11:00	13-May-21	17:01	1.1	0.92	1.6
Ca [µg/g]	12-May-21	11:00	13-May-21	17:01	29000	28000	31000
Cd [µg/g]	12-May-21	11:00	13-May-21	17:01	0.53	0.41	0.78
Co [µg/g]	12-May-21	11:00	13-May-21	17:01	12	11	14
Cr [µg/g]	12-May-21	11:00	13-May-21	17:01	45	44	49
Cu [µg/g]	12-May-21	11:00	13-May-21	17:01	89	85	100
Fe [µg/g]	12-May-21	11:00	13-May-21	17:01	140000	120000	130000
K [µg/g]	12-May-21	11:00	13-May-21	17:01	14000	14000	14000
Li [µg/g]	12-May-21	11:00	13-May-21	17:01	22	22	20
Mg [µg/g]	12-May-21	11:00	13-May-21	17:01	11000	11000	11000
Mn [µg/g]	12-May-21	11:00	13-May-21	17:01	470	440	530
Mo [µg/g]	12-May-21	11:00	13-May-21	17:01	9.4	8.9	14
Na [µg/g]	12-May-21	11:00	13-May-21	17:01	11000	12000	8100
Ni [µg/g]	12-May-21	11:00	13-May-21	17:01	28	27	32
P [µg/g]	12-May-21	11:00	13-May-21	17:01	660	570	630
Pb [µg/g]	12-May-21	11:00	13-May-21	17:01	230	290	390
Sb [µg/g]	12-May-21	11:00	13-May-21	17:01	3.0	2.3	3.5
Se [µg/g]	12-May-21	11:00	13-May-21	17:01	1.0	0.9	1.3
Sn [µg/g]	12-May-21	11:00	13-May-21	17:01	< 6	< 6	< 6

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LR Report : CA14741-APR21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings - solid Apr 4	7: Tailings - solid Apr 18
Sr [µg/g]	12-May-21	11:00	13-May-21	17:01	220	220	200
Ti [µg/g]	12-May-21	11:00	13-May-21	17:01	1600	1600	1400
Tl [µg/g]	12-May-21	11:00	13-May-21	17:01	0.37	0.34	0.43
U [µg/g]	12-May-21	11:00	13-May-21	17:01	1.1	1.1	1.2
V [µg/g]	12-May-21	11:00	13-May-21	17:01	60	56	69
Y [µg/g]	12-May-21	11:00	13-May-21	17:01	6.3	6.6	6.5
Zn [µg/g]	12-May-21	11:00	13-May-21	17:01	110	89	170

Chromium may not recover completely depending on sample matrix.

*Catharine Arnold*  
  
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17-June-2021

Date Rec. : 20 May 2021  
LR Report: CA14756-MAY21  
Reference: P.O# 999004

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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 Composite	6: Tailings - solid May 2	7: Tailings - solid May 16
Sample Date & Time					01-May-21	02-May-21 10:30	16-May-21 08:00
Paste pH [no unit]	04-Jun-21	08:47	07-Jun-21	07:57	8.47	8.44	8.48
Fizz Rate [no unit]	04-Jun-21	08:47	07-Jun-21	07:57	4	4	4
Sample weight [g]	04-Jun-21	08:47	07-Jun-21	07:57	1.98	1.96	1.98
HCl_add [mL]	05-Jun-21	07:00	07-Jun-21	07:57	92.00	78.00	67.00
HCl [Normality]	04-Jun-21	08:47	07-Jun-21	07:57	0.10	0.10	0.10
NaOH [Normality]	04-Jun-21	08:47	07-Jun-21	07:57	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	05-Jun-21	07:00	07-Jun-21	07:57	58.36	49.97	33.99
Final pH [no unit]	05-Jun-21	07:00	07-Jun-21	07:57	1.56	1.55	1.77
NP [t CaCO3/1000 t]	05-Jun-21	07:00	07-Jun-21	07:57	84.9	71.5	83.3
AP [t CaCO3/1000 t]	15-Jun-21	17:56	15-Jun-21	17:56	50.3	37.8	39.7
Net NP [t CaCO3/1000 t]	15-Jun-21	17:56	15-Jun-21	17:56	34.6	33.7	43.6
NP/AP [ratio]	15-Jun-21	17:56	15-Jun-21	17:56	1.69	1.89	2.10
S [%]	14-Jun-21	13:41	15-Jun-21	17:56	1.93	1.53	1.51
Acid Leachable SO4-S [%]	15-Jun-21	13:47	15-Jun-21	17:56	0.32	0.32	0.24
Sulphide [%]	15-Jun-21	13:47	15-Jun-21	17:56	1.61	1.21	1.27

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings - solid May 2	7: Tailings - solid May 16
C [%]	14-Jun-21	13:41	15-Jun-21	13:14	1.64	1.76	1.44
CO3 [%]	16-Jun-21	07:05	16-Jun-21	08:43	7.66	8.22	6.74

\*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.

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17-June-2021

Date Rec. : 21 May 2021

LR Report: CA14757-MAY21

Reference: P.O# 999004

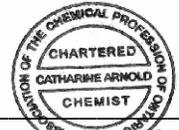
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# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings - solid May 2	7: Tailings - solid May 16
Sample Date & Time					01-May-21	02-May-21 10:30	16-May-21 08:00
CN(T) [%]	15-Jun-21	15:00	17-Jun-21	08:51	0.003	---	---
CN(Free) [µg/g]	26-May-21	20:00	28-May-21	07:19	< 0.05	---	---
CNWAD [%]	15-Jun-21	15:00	17-Jun-21	08:51	< 0.001	---	---
Ag [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	< 0.5	0.7	< 0.5
Al [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	44000	51000	50000
As [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	11000	8200	7900
Ba [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	430	480	560
Be [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	0.91	0.96	1
Bi [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	1.1	0.73	0.60
Ca [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	25000	28000	24000
Cd [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	0.54	0.58	0.38
Co [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	12	14	10
Cr [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	53	62	48
Cu [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	97	97	90
Fe [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	120000	100000	110000
K [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	12000	14000	13000

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings - solid May 2	7: Tailings - solid May 16
Li [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	17	18	18
Mg [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	9500	10000	8800
Mn [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	460	500	390
Mo [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	8.3	4.7	5.8
Na [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	7500	8800	11000
Ni [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	29	33	25
P [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	530	490	540
Pb [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	340	290	280
Sb [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	3.1	2.4	2.4
Se [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	1.0	0.9	0.7
Sn [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	< 6	< 6	< 6
Sr [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	190	200	220
Ti [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	1300	1600	1500
Tl [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	0.37	0.41	0.32
U [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	1.00	1.0	1.1
V [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	59	66	50
Y [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	5.6	6.1	5.6
Zn [µg/g]	07-Jun-21	16:42	08-Jun-21	11:33	97	100	65

Chromi um may not recover complet ely dependi ng on sampl e matri x.

  
  
**Catharine Arnold, B.Sc., C.Chem**  
**Project Specialist,**  
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21-December-2021

Date Rec. : 19 November 2021

LR Report: CA14822-NOV21

Reference: P.O# OL-999004

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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 Composite	6: Tailings - Solid
Sample Date & Time					13-Nov-21 12:00	14-Nov-21 09:30
Paste pH [no unit]	29-Nov-21	08:00	30-Nov-21	15:49	8.06	8.25
Fizz Rate [no unit]	29-Nov-21	08:00	30-Nov-21	15:49	3	3
Sample weight [g]	29-Nov-21	08:00	30-Nov-21	15:49	2.01	2.00
HCl_add [mL]	30-Nov-21	06:15	30-Nov-21	15:49	80.10	87.40
HCl [Normality]	29-Nov-21	08:00	30-Nov-21	15:49	0.10	0.10
NaOH [Normality]	29-Nov-21	08:00	30-Nov-21	15:49	0.10	0.10
Vol NaOH to pH=8.3 [mL]	30-Nov-21	08:03	30-Nov-21	15:49	45.94	46.33
Final pH [no unit]	30-Nov-21	08:03	30-Nov-21	15:49	1.56	1.57
NP [t CaCO3/1000 t]	30-Nov-21	08:03	30-Nov-21	15:49	85.0	103
AP [t CaCO3/1000 t]	30-Nov-21	15:49	30-Nov-21	15:49	29.4	35.3
Net NP [t CaCO3/1000 t]	30-Nov-21	15:49	30-Nov-21	15:49	55.6	67.4
NP/AP [ratio]	30-Nov-21	15:49	30-Nov-21	15:49	2.89	2.91
S [%]	29-Nov-21	14:11	30-Nov-21	11:51	1.33	1.56
Acid Leachable SO4-S [%]	30-Nov-21	11:50	30-Nov-21	11:51	0.39	0.43
Sulphide [%]	30-Nov-21	06:51	30-Nov-21	11:51	0.94	1.13

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid Composite	6: Tailings - Solid
C [%]	29-Nov-21	14:11	01-Dec-21	16:30	1.50	1.58
CO3 (HCl) [%]	01-Dec-21	07:42	01-Dec-21	16:30	6.88	7.74

\*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*  
  
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21-December-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 19 November 2021  
**LR Report:** CA14823-NOV21  
**Reference:** P.O# OL-999004

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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 Composite	6: Tailings - Solid
Sample Date & Time					13-Nov-21 12:00	14-Nov-21 09:30
CN(T) [µg/g]	07-Dec-21	13:28	08-Dec-21	14:19	30	24
CN(Free) [µg/g]	03-Dec-21	18:00	06-Dec-21	16:00	< 0.05	< 0.05
CNWAD [µg/g]	07-Dec-21	13:28	08-Dec-21	14:20	< 10	< 10
Ag [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	< 0.5	0.8
Al [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	53000	61000
As [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	6800	12000
Ba [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	390	370
Be [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	0.82	0.85
Bi [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	1	3
Ca [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	25000	29000
Cd [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	0.42	0.71
Co [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	14	23
Cr [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	45	55
Cu [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	85	120
Fe [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	97000	82000
K [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	11000	13000
Li [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	17	19
Mg [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	9200	12000
Mn [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	480	700
Mo [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	7.9	14
Na [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	12000	16000
Ni [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	34	52
P [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	450	400
Pb [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	210	610
Sb [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	1.8	3.2
Se [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	0.7	1.4
Sn [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	< 6	< 6

**SGS Canada Inc.**

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LR Report : CA14823-NOV21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid Composite	6: Tailings - Solid
Sr [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	250	230
Ti [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	1700	2300
Tl [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	0.34	0.41
U [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	1.03	1.28
V [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	57	88
Y [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	6.13	8.12
Zn [µg/g]	02-Dec-21	17:46	03-Dec-21	12:07	110	200

*Catharine Arnold*  
  
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 Project Specialist,  
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10-September-2021

**Date Rec. :** 06 August 2021  
**LR Report:** CA14833-AUG21  
**Reference:** P.O# 999004

**Copy:** #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
Sample Date & Time					25-Aug-21	25-Aug-21 07:00
Paste pH [no unit]	19-Aug-21	08:15	20-Aug-21	11:57	8.40	8.45
Fizz Rate [no unit]	19-Aug-21	08:15	20-Aug-21	11:57	4	4
Sample weight [g]	19-Aug-21	08:15	20-Aug-21	11:57	2.01	2.02
HCl_add [mL]	19-Aug-21	08:15	20-Aug-21	11:57	59.00	59.00
HCl [Normality]	19-Aug-21	08:15	20-Aug-21	11:57	0.10	0.10
NaOH [Normality]	19-Aug-21	08:15	20-Aug-21	11:57	0.10	0.10
Vol NaOH to pH=8.3 [mL]	19-Aug-21	08:15	20-Aug-21	11:57	28.34	25.05
Final pH [no unit]	19-Aug-21	08:15	20-Aug-21	11:57	1.81	1.83
NP [t CaCO3/1000 t]	19-Aug-21	08:15	20-Aug-21	11:57	76.3	84.0
AP [t CaCO3/1000 t]	03-Sep-21	13:22	03-Sep-21	13:23	47.2	40.9
Net NP [t CaCO3/1000 t]	03-Sep-21	13:22	03-Sep-21	13:23	29.1	43.1
NP/AP [ratio]	03-Sep-21	13:23	03-Sep-21	13:23	1.62	2.05
S [%]	02-Sep-21	16:10	03-Sep-21	13:22	1.88	1.59
Acid Leachable SO4-S [%]	03-Sep-21	13:22	03-Sep-21	13:22	0.37	0.28
Sulphide [%]	03-Sep-21	10:27	03-Sep-21	13:22	1.51	1.31

OnLine LIMS

0002635840

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings-Solid
C [%]	02-Sep-21	16:10	03-Sep-21	12:20	1.40	1.33
CO3 (HCl) [%]	08-Sep-21	14:35	08-Sep-21	14:56	6.61	6.30

\*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

**SGS Canada Inc.**

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30-August-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 06 August 2021  
**LR Report:** CA14834-AUG21  
**Reference:** P.O# 999004

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 , Nunavut  
 X0C 0A0, Canada

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Phone: (819) 759-3555  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sample Date & Time					25-Aug-21	25-Aug-21 07:00
CN(T) [µg/g]	19-Aug-21	11:08	20-Aug-21	14:55	15	---
CN(Free) [µg/g]	23-Aug-21	18:00	24-Aug-21	15:22	< 0.05	---
CNWAD [µg/g]	19-Aug-21	11:08	20-Aug-21	14:55	< 10	---
Ag [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	< 0.5	< 0.5
Al [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	51000	51000
As [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	8600	6800
Ba [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	470	420
Be [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	1	1.00
Bi [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	0.66	0.71
Ca [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	21000	20000
Cd [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	0.20	0.24
Co [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	10	10
Cr [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	45	48
Cu [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	61	69
Fe [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	100000	89000
K [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	11000	10000
Li [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	19	17
Mg [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	7900	7800
Mn [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	350	370
Mo [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	7.5	6.9
Na [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	9400	11000
Ni [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	24	25
P [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	460	440
Pb [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	140	270
Sb [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	2.3	1.9
Se [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	0.8	< 0.7
Sn [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	6.1	< 6

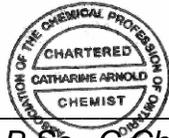
**SGS Canada Inc.**

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LR Report : CA14834-AUG21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sr [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	220	220
Ti [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	1400	1400
Tl [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	0.30	0.28
U [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	0.99	0.95
V [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	46	49
Y [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	5.46	6.78
Zn [µg/g]	18-Aug-21	21:15	19-Aug-21	16:30	59	62

Chromium may not recover completely depending on sample matrix.

*Catharine Arnold*  
  
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**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

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ABA - Modified Sobek

20-April-2021

Date Rec. : 29 March 2021  
LR Report: CA14893-MAR21  
Reference: P.O# 999004

Copy: #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 Feb 21-Mar 7	6: Tailings-Solid Mar 7	7: Tailings-Solid Composite Mar 7-Mar 21	8: Tailings-Solid Mar 21
Sample Date & Time					21-Feb-21	07-Mar-21 11:15	07-Mar-21	21-Mar-21 07:30
Paste pH [no unit]	12-Apr-21	07:41	14-Apr-21	16:35	8.30	8.28	8.34	8.32
Fizz Rate [no unit]	12-Apr-21	08:13	14-Apr-21	16:35	4	4	4	4
Sample weight [g]	12-Apr-21	08:13	14-Apr-21	16:35	2.01	2.01	2.00	2.00
HCl_add [mL]	12-Apr-21	06:15	14-Apr-21	16:35	68.00	69.00	72.00	77.00
HCl [Normality]	12-Apr-21	08:13	14-Apr-21	16:35	0.10	0.10	0.10	0.10
NaOH [Normality]	12-Apr-21	08:13	14-Apr-21	16:35	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	12-Apr-21	08:26	14-Apr-21	16:35	35.29	35.94	37.60	34.71
Final pH [no unit]	12-Apr-21	08:26	14-Apr-21	16:35	1.57	1.66	1.63	1.80
NP [t CaCO3/1000 t]	12-Apr-21	08:26	14-Apr-21	16:35	81.4	82.2	86.0	106
AP [t CaCO3/1000 t]	14-Apr-21	16:36	14-Apr-21	16:36	36.6	42.2	46.2	42.5
Net NP [t CaCO3/1000 t]	14-Apr-21	16:36	14-Apr-21	16:36	44.8	40.0	39.8	63.2
NP/AP [ratio]	14-Apr-21	16:36	14-Apr-21	16:36	2.23	1.95	1.86	2.49
S [%]	12-Apr-21	10:54	14-Apr-21	16:36	1.69	1.73	1.93	1.84

Online LIMS

0002468112

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Tailings-Solid Composite Feb 21-Mar 7	6: Mar 7	7: Tailings-Solid Tailings-Solid Composite Mar 7-Mar 21	8: Mar 21
Acid Leachable SO <sub>4</sub> -S [%]	14-Apr-21	16:36	14-Apr-21	16:36	0.52	0.38	0.45	0.48
Sulphide [%]	13-Apr-21	07:21	14-Apr-21	16:36	1.17	1.35	1.48	1.36
C [%]	12-Apr-21	10:54	13-Apr-21	11:01	1.30	1.29	1.40	1.95
CO <sub>3</sub> [%]	12-Apr-21	13:24	13-Apr-21	11:01	3.94	3.80	4.16	5.22
CN(Free) [µg/g]	20-Apr-21	09:04	20-Apr-21	09:04	< 0.05	---	< 0.05	---
CNWAD [µg/g]	20-Apr-21	09:02	20-Apr-21	09:02	< 10	---	13	---
CN(T) [µg/g]	20-Apr-21	09:01	20-Apr-21	09:01	26	---	36	---

\*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 CaCO<sub>3</sub> equivalent/1000 tonnes of material  
 Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

*Catharine Arnold*  
  
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 Project Specialist,  
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20-April-2021

**Date Rec. :** 29 March 2021  
**LR Report:** CA14894-MAR21  
**Reference:** P.O# 999004

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite Feb 21-Mar 7	6: Tailings-Solid Mar 7	7: Tailings-Solid Composite Mar 7-Mar 21	8: Tailings-Solid Mar 21
Sample Date & Time					21-Feb-21	07-Mar-21 11:15	07-Mar-21	21-Mar-21 07:30
Ag [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	< 1	< 1	< 1	< 1
Al [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	51000	50000	47000	42000
As [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	9500	10000	12000	11000
Ba [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	510	490	430	350
Be [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	1	1.00	0.93	0.87
Bi [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	1	1	1	1
Ca [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	25000	24000	25000	32000
Cd [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	0.50	0.42	0.57	0.72
Co [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	12	11	11	16
Cr [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	56	60	53	67
Cu [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	104	99	115	144
Fe [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	110000	100000	110000	110000
K [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	13000	13000	12000	11000
Li [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	20	19	18	20
Mg [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	9900	9800	9300	9600
Mn [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	410	410	410	560
Mo [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	12	11	9.1	10
Na [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	12000	12000	11000	11000

OnLine LIMS

0002468118

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite Feb 21-Mar 7	6: Tailings-Solid Mar 7	7: Tailings-Solid Composite Mar 7-Mar 21	8: Tailings-Solid Mar 21
Ni [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	29	31	28	36
P [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	560	510	510	560
Pb [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	360	310	330	330
Sb [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	2.8	2.9	3.4	3.0
Se [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	0.9	1.0	1.1	1.1
Sn [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	< 6	< 6	< 6	< 6
Sr [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	230	230	210	210
Ti [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	1700	1800	1600	1900
Tl [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	0.40	0.40	0.37	0.41
U [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	1.14	1.15	1.06	1.00
V [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	61	61	60	84
Y [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	6.75	6.32	5.99	4.39
Zn [µg/g]	19-Apr-21	13:47	20-Apr-21	06:39	79	66	65	140

Chromi um may not recover compl etely dependi ng on sampl e matri x.

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mel

30-June-2021

**Date Rec. :** 03 June 2021

**LR Report:** CA14917-JUN21

**Reference:** P.O# 999004

**Copy:** #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: Tailins-Solid
Sample Date & Time					17-May-21	30-May-21 06:30
Paste pH [no unit]	21-Jun-21	08:09	23-Jun-21	07:01	8.54	8.49
Fizz Rate [no unit]	21-Jun-21	08:09	23-Jun-21	07:01	3	3
Sample weight [g]	21-Jun-21	08:09	23-Jun-21	07:01	1.93	1.89
HCl_add [mL]	221841	06:30	23-Jun-21	07:01	62.50	52.00
HCl [Normality]	21-Jun-21	08:09	23-Jun-21	07:01	0.10	0.10
NaOH [Normality]	21-Jun-21	08:09	23-Jun-21	07:01	0.10	0.10
Vol NaOH to pH=8.3 [mL]	22-Jun-21	06:30	23-Jun-21	07:01	32.17	23.25
Final pH [no unit]	22-Jun-21	06:30	23-Jun-21	07:01	1.64	1.83
NP [t CaCO3/1000 t]	22-Jun-21	06:30	23-Jun-21	07:01	78.6	76.1
AP [t CaCO3/1000 t]	24-Jun-21	13:49	24-Jun-21	13:49	29.4	20.0
Net NP [t CaCO3/1000 t]	24-Jun-21	13:49	24-Jun-21	13:49	49.2	56.1
NP/AP [ratio]	24-Jun-21	13:49	24-Jun-21	13:49	2.68	3.80
S [%]	22-Jun-21	06:49	24-Jun-21	13:49	1.24	0.942
Acid Leachable SO4-S [%]	22-Jun-21	14:26	24-Jun-21	13:49	0.30	0.30
Sulphide [%]	22-Jun-21	14:26	24-Jun-21	13:49	0.94	0.64

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings-Solid
C [%]	22-Jun-21	06:49	24-Jun-21	13:49	1.35	1.26
CO3 (HCl) [%]	29-Jun-21	10:58	29-Jun-21	11:42	6.30	5.84

\*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*  
  
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17-June-2021

**Date Rec. :** 03 June 2021

**LR Report:** CA14918-JUN21

**Reference:** P.O# 999004

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sample Date & Time					17-May-21	30-May-21 06:30
CN(T) [%]	15-Jun-21	15:00	17-Jun-21	08:51	0.002	---
CN(Free) [µg/g]	15-Jun-21	20:00	16-Jun-21	16:08	< 0.05	---
CNWAD [%]	15-Jun-21	15:00	17-Jun-21	08:50	< 0.001	---
Ag [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	< 0.5	< 0.5
Al [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	46000	48000
As [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	6200	4200
Ba [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	460	410
Be [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	0.94	0.87
Bi [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	0.55	0.55
Ca [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	23000	23000
Cd [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	0.42	0.39
Co [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	10	11
Cr [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	42	47
Cu [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	82	72
Fe [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	100000	110000
K [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	9300	10000

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Li [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	19	20
Mg [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	8400	8500
Mn [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	370	390
Mo [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	5.4	5.3
Na [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	11000	13000
Ni [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	27	28
P [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	500	540
Pb [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	260	230
Sb [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	2.1	1.5
Se [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	0.8	< 0.7
Sn [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	< 6	< 6
Sr [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	250	260
Ti [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	1500	1600
Tl [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	0.34	0.32
U [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	1.07	1.08
V [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	45	48
Y [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	5.46	5.43
Zn [µg/g]	14-Jun-21	19:08	15-Jun-21	11:11	71	66

Chromium may not recover completely depending on sample matrix.

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

### Agnico Eagle Mines Limited

Attn : Dan Gorton/Sean Arruda

Meliadine  
, Nunavut  
X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

mel

19-November-2021

Date Rec. : 03 November 2021

LR Report: CA15038-NOV21

Reference: P.O# OL-999004

Copy: #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
Sample Date & Time					31-Oct-21 12:00	31-Oct-21 10:05
Paste pH [no unit]	10-Nov-21	08:00	11-Nov-21	12:05	8.23	8.27
Fizz Rate [no unit]	10-Nov-21	08:00	11-Nov-21	12:05	2	2
Sample weight [g]	10-Nov-21	08:00	11-Nov-21	12:05	2.00	2.00
HCl_add [mL]	11-Nov-21	06:03	11-Nov-21	12:05	81.90	80.50
HCl [Normality]	10-Nov-21	08:00	11-Nov-21	12:05	0.10	0.10
NaOH [Normality]	10-Nov-21	08:00	11-Nov-21	12:05	0.10	0.10
Vol NaOH to pH=8.3 [mL]	11-Nov-21	06:03	11-Nov-21	12:05	57.19	45.77
Final pH [no unit]	11-Nov-21	06:03	11-Nov-21	12:05	1.57	1.95
NP [t CaCO3/1000 t]	11-Nov-21	06:03	11-Nov-21	12:05	61.8	86.8
AP [t CaCO3/1000 t]	12-Nov-21	11:45	12-Nov-21	11:45	38.1	33.1
Net NP [t CaCO3/1000 t]	12-Nov-21	11:45	12-Nov-21	11:45	23.7	53.7
NP/AP [ratio]	12-Nov-21	11:45	12-Nov-21	11:45	1.62	2.62
S [%]	10-Nov-21	17:17	12-Nov-21	11:45	1.41	1.24
Acid Leachable SO4-S [%]	12-Nov-21	11:44	12-Nov-21	11:45	0.19	0.18
Sulphide [%]	11-Nov-21	19:34	12-Nov-21	11:45	1.22	1.06

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid Composite	6: Tailings - Solid
C [%]	10-Nov-21	17:17	11-Nov-21	07:09	1.57	1.42
CO3 (HCl) [%]	11-Nov-21	16:44	12-Nov-21	11:45	7.60	6.77

\*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

**SGS Canada Inc.**

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19-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 03 November 2021  
**LR Report:** CA15039-NOV21  
**Reference:** P.O# OL-999004

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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 Composite	6: Tailings - Solid
Sample Date & Time					31-Oct-21 12:00	31-Oct-21 10:05
CN(T) [µg/g]	16-Nov-21	10:58	18-Nov-21	08:19	19	18
CN(Free) [µg/g]	16-Nov-21	07:35	16-Nov-21	13:52	< 0.05	< 0.05
CNWAD [µg/g]	16-Nov-21	10:58	18-Nov-21	08:19	< 10	< 10
Ag [µg/g]	13-Nov-21	00:57	15-Nov-21	11:44	0.5	< 0.5
Al [µg/g]	13-Nov-21	00:57	15-Nov-21	11:44	56000	53000
As [µg/g]	13-Nov-21	00:57	15-Nov-21	11:44	10000	7400
Ba [µg/g]	13-Nov-21	00:57	15-Nov-21	11:44	450	430
Be [µg/g]	13-Nov-21	00:57	15-Nov-21	11:44	0.96	0.88
Bi [µg/g]	13-Nov-21	00:57	15-Nov-21	11:44	1.3	0.82
Ca [µg/g]	13-Nov-21	00:57	15-Nov-21	11:44	30000	26000
Cd [µg/g]	13-Nov-21	00:57	15-Nov-21	11:44	0.50	0.37
Co [µg/g]	13-Nov-21	00:57	15-Nov-21	11:44	18	14
Cr [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	78	63
Cu [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	170	87
Fe [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	120000	110000
K [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	14000	12000
Li [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	18	19
Mg [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	12000	10000
Mn [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	600	490
Mo [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	16	7.5
Na [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	14000	14000
Ni [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	42	35
P [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	580	540
Pb [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	300	180
Sb [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	2.2	1.8
Se [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	1.0	0.7
Sn [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	< 6	< 6

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LR Report : CA15039-NOV21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings - Solid Composite	6: Tailings - Solid
Sr [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	250	250
Ti [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	2100	1800
Tl [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	0.40	0.34
U [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	1.1	1.0
V [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	89	69
Y [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	7.8	6.9
Zn [µg/g]	13-Nov-21	00:57	15-Nov-21	11:45	120	87

*Catharine Arnold*  
  
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11-August-2021

Date Rec. : 07 July 2021  
LR Report: CA15099-JUL21  
Reference: P.O# 999004

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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 Composite	6: Tailings-Solid
Sample Date & Time					13-Jun-21	27-Jun-21
Paste pH [no unit]	16-Jul-21	08:11	19-Jul-21	14:00	8.61	8.54
Fizz Rate [no unit]	16-Jul-21	08:11	19-Jul-21	14:00	4	4
Sample weight [g]	16-Jul-21	08:11	19-Jul-21	14:00	1.99	1.97
HCl_add [mL]	17-Jul-21	06:12	19-Jul-21	14:00	85.00	85.00
HCl [Normality]	16-Jul-21	08:11	19-Jul-21	14:00	0.10	0.10
NaOH [Normality]	16-Jul-21	08:11	19-Jul-21	14:00	0.10	0.10
Vol NaOH to pH=8.3 [mL]	17-Jul-21	08:18	19-Jul-21	14:00	46.85	51.70
Final pH [no unit]	17-Jul-21	08:16	19-Jul-21	14:00	1.53	1.55
NP [t CaCO3/1000 t]	17-Jul-21	08:18	19-Jul-21	14:00	95.8	84.5
AP [t CaCO3/1000 t]	06-Aug-21	09:57	06-Aug-21	09:57	31.2	50.6
Net NP [t CaCO3/1000 t]	06-Aug-21	09:57	06-Aug-21	09:57	64.6	33.9
NP/AP [ratio]	06-Aug-21	09:57	06-Aug-21	09:57	3.07	1.67
S [%]	21-Jul-21	10:12	23-Jul-21	15:36	1.22	1.88
Acid Leachable SO4-S [%]	15-Jul-21	12:10	23-Jul-21	15:36	0.22	0.26
Sulphide [%]	15-Jul-21	12:10	23-Jul-21	15:36	1.00	1.62

OnLine LIMS

0002598040

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings-Solid
C [%]	14-Jul-21	06:24	14-Jul-21	14:44	1.50	1.42
CO3 (HCl) [%]	21-Jul-21	12:02	21-Jul-21	13:35	7.08	6.76

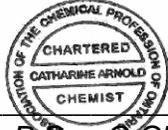
\*NP (Neutralization Potential)  
 =  $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$   
 -----  
 Weight of Sample

\*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*  
  
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03-August-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 07 July 2021  
**LR Report:** CA15100-JUL21  
**Reference:** P.O# 999004

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sample Date & Time					13-Jun-21	27-Jun-21
CN(T) [µg/g]	23-Jul-21	10:43	03-Aug-21	09:07	27	---
CN(Free) [µg/g]	28-Jul-21	20:00	29-Jul-21	14:51	< 0.05	---
CNWAD [µg/g]	23-Jul-21	10:43	03-Aug-21	09:07	< 10	---
Ag [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	< 0.5	< 0.5
Al [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	51000	47000
As [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	6700	10000
Ba [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	460	540
Be [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	0.98	1.00
Bi [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	0.92	1
Ca [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	28000	26000
Cd [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	0.39	0.32
Co [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	16	11
Cr [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	38	36
Cu [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	96	87
Fe [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	110000	120000
K [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	14000	12000
Li [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	20	21
Mg [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	11000	9700
Mn [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	530	440
Mo [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	6.3	10
Na [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	11000	11000
Ni [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	38	26
P [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	560	590
Pb [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	320	340
Sb [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	2.0	2.8
Se [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	0.8	1.0
Sn [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	< 6	< 6

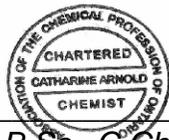
**SGS Canada Inc.**

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LR Report : CA15100-JUL21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sr [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	240	260
Ti [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	1600	1500
Tl [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	0.42	0.36
U [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	1.11	1.19
V [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	68	52
Y [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	6.66	6.08
Zn [µg/g]	14-Jul-21	11:00	15-Jul-21	14:36	100	69

Chromium may not recover completely depending on sample matrix.

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



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11-August-2021

**Date Rec. :** 16 July 2021  
**LR Report:** CA15256-JUL21  
**Reference:** P.O# 999004

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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 Composite	6: Tailings-Solid
Sample Date & Time					27-Jun-21	11-Jul-21
Paste pH [no unit]	23-Jul-21	09:00	27-Jul-21	16:39	8.26	8.27
Fizz Rate [no unit]	23-Jul-21	09:00	27-Jul-21	16:39	4	4
Sample weight [g]	23-Jul-21	09:00	27-Jul-21	16:39	1.99	1.89
HCl_add [mL]	24-Jul-21	07:07	27-Jul-21	16:39	71.20	69.60
HCl [Normality]	23-Jul-21	09:00	27-Jul-21	16:39	0.10	0.10
NaOH [Normality]	23-Jul-21	09:00	27-Jul-21	16:39	0.10	0.10
Vol NaOH to pH=8.3 [mL]	24-Jul-21	09:02	27-Jul-21	16:39	37.53	36.65
Final pH [no unit]	24-Jul-21	09:02	27-Jul-21	16:39	1.68	1.65
NP [t CaCO3/1000 t]	24-Jul-21	09:02	27-Jul-21	16:39	84.6	87.2
AP [t CaCO3/1000 t]	03-Aug-21	09:29	03-Aug-21	09:29	46.6	55.9
Net NP [t CaCO3/1000 t]	03-Aug-21	09:29	03-Aug-21	09:29	38.0	31.3
NP/AP [ratio]	03-Aug-21	09:29	03-Aug-21	09:29	1.82	1.56
S [%]	23-Jul-21	13:38	27-Jul-21	15:12	1.98	2.11
Acid Leachable SO4-S [%]	03-Aug-21	09:28	03-Aug-21	09:29	0.49	0.32
Sulphide [%]	31-Jul-21	09:38	03-Aug-21	09:29	1.49	1.79

OnLine LIMS

0002598505

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings-Solid
C [%]	23-Jul-21	13:38	27-Jul-21	15:12	1.45	1.58
CO3 (HCl) [%]	05-Aug-21	09:00	11-Aug-21	14:05	6.90	7.46

\*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**  
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03-August-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 16 July 2021  
**LR Report:** CA15257-JUL21  
**Reference:** P.O# 999004

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sample Date & Time					27-Jun-21	11-Jul-21 07:00
CN(T) [µg/g]	21-Jul-21	12:03	03-Aug-21	09:08	21	---
CN(Free) [µg/g]	29-Jul-21	20:00	30-Jul-21	14:25	< 0.05	---
CNWAD [µg/g]	21-Jul-21	12:03	03-Aug-21	09:08	< 10	---
Ag [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	< 0.5	< 0.5
Al [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	51000	48000
As [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	6900	11000
Ba [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	570	440
Be [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	1.1	0.98
Bi [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	1.3	1.3
Ca [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	25000	25000
Cd [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	0.34	0.47
Co [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	12	15
Cr [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	56	58
Cu [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	96	99
Fe [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	110000	110000
K [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	12000	13000
Li [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	20	19
Mg [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	10000	10000
Mn [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	460	460
Mo [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	19	13
Na [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	14000	11000
Ni [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	30	32
P [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	550	540
Pb [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	630	370
Sb [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	2.2	2.9
Se [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	1.1	1.2
Sn [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	< 6	< 6

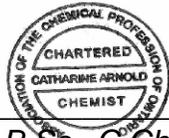
**SGS Canada Inc.**

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LR Report : CA15257-JUL21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sr [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	250	200
Ti [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	1700	1500
Tl [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	0.35	0.39
U [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	1.1	1.1
V [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	59	62
Y [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	7.2	6.8
Zn [µg/g]	21-Jul-21	21:33	22-Jul-21	13:02	86	130

Chromium may not recover completely depending on sample matrix.

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

**SGS Canada Inc.**

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

01-October-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 10 September 2021  
**LR Report:** CA15258-SEP21  
**Reference:** P.O# 999004

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

**Copy:** #1

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sample Date & Time					05-Sep-21	05-Sep-21 07:00
CN(T) [µg/g]	22-Sep-21	14:00	29-Sep-21	08:08	21	24
CN(Free) [µg/g]	28-Sep-21	08:42	28-Sep-21	14:37	< 0.05	< 0.05
CNWAD [µg/g]	22-Sep-21	14:00	29-Sep-21	08:08	< 10	< 10
Ag [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	0.8	< 0.5
Al [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	48000	49000
As [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	9100	8700
Ba [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	380	380
Be [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	0.79	0.80
Bi [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	0.97	0.97
Ca [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	23000	26000
Cd [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	0.26	0.38
Co [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	12	12
Cr [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	38	43
Cu [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	76	82
Fe [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	110000	100000
K [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	13000	13000
Li [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	15	16
Mg [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	9600	11000
Mn [µg/g]	24-Sep-21	19:30	28-Sep-21	15:31	390	440
Mo [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	10	8.7
Na [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	13000	11000
Ni [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	28	35
P [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	520	470
Pb [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	330	330
Sb [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	2.3	2.1
Se [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	< 0.7	0.7
Sn [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	< 6	< 6

**SGS Canada Inc.**

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LR Report : CA15258-SEP21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sr [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	190	190
Ti [µg/g]	24-Sep-21	19:30	28-Sep-21	15:30	1600	1600
Tl [µg/g]	24-Sep-21	19:30	28-Sep-21	15:29	0.30	0.31
U [µg/g]	24-Sep-21	19:30	28-Sep-21	15:29	0.98	0.94
V [µg/g]	24-Sep-21	19:30	28-Sep-21	15:29	51	61
Y [µg/g]	24-Sep-21	19:30	28-Sep-21	15:29	5.43	5.86
Zn [µg/g]	24-Sep-21	19:30	28-Sep-21	15:29	63	86

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



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**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

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mel

01-October-2021

**Date Rec. :** 10 September 2021  
**LR Report:** CA15259-SEP21  
**Reference:** P.O# 999004  
  
**Copy:** #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
Sample Date & Time					05-Sep-21	05-Sep-21 07:00
Paste pH [no unit]	23-Sep-21	08:00	27-Sep-21	09:21	8.53	8.49
Fizz Rate [no unit]	23-Sep-21	08:00	27-Sep-21	09:21	4	4
Sample weight [g]	23-Sep-21	08:00	27-Sep-21	09:21	2.02	2.02
HCl_add [mL]	24-Sep-21	06:15	27-Sep-21	09:21	54.30	67.40
HCl [Normality]	23-Sep-21	08:00	27-Sep-21	09:21	0.10	0.10
NaOH [Normality]	23-Sep-21	08:00	27-Sep-21	09:21	0.10	0.10
Vol NaOH to pH=8.3 [mL]	24-Sep-21	06:15	27-Sep-21	09:21	23.35	32.27
Final pH [no unit]	24-Sep-21	08:05	27-Sep-21	09:21	1.88	1.60
NP [t CaCO3/1000 t]	24-Sep-21	06:15	27-Sep-21	09:21	76.6	87.0
AP [t CaCO3/1000 t]	27-Sep-21	09:21	27-Sep-21	09:21	40.6	38.4
Net NP [t CaCO3/1000 t]	27-Sep-21	09:21	27-Sep-21	09:21	36.0	48.6
NP/AP [ratio]	27-Sep-21	09:21	27-Sep-21	09:21	1.89	2.26
S [%]	17-Sep-21	18:25	23-Sep-21	15:31	1.68	1.55
Acid Leachable SO4-S [%]	23-Sep-21	15:30	23-Sep-21	15:31	0.38	0.32
Sulphide [%]	20-Sep-21	17:01	23-Sep-21	15:31	1.30	1.23

OnLine LIMS

0002460631

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings-Solid
C [%]	17-Sep-21	18:25	21-Sep-21	09:00	1.44	1.56
CO3 (HCl) [%]	20-Sep-21	13:53	21-Sep-21	09:00	6.72	7.27

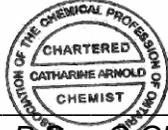
\*NP (Neutralization Potential)  
 =  $50 \times (N \text{ of HCL} \times \text{Total HCL added} - N \text{ NaOH} \times \text{NaOH added})$   
 -----  
 Weight of Sample

\*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*  
  
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 Environment, Health & Safety



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, Nunavut  
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mel

30-June-2021

Date Rec. : 17 June 2021  
LR Report: CA15440-JUN21  
Reference: P.O# 999004

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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 Composite	6: Tailins-Solid
Sample Date & Time					13-Jun-21	13-Jun-21 07:00
Paste pH [no unit]	24-Jun-21	08:47	25-Jun-21	16:49	8.51	8.53
Fizz Rate [no unit]	24-Jun-21	08:47	25-Jun-21	16:49	4	4
Sample weight [g]	24-Jun-21	08:47	25-Jun-21	16:49	1.98	1.97
HCl_add [mL]	25-Jun-21	06:47	25-Jun-21	16:49	75.00	73.00
HCl [Normality]	24-Jun-21	08:47	25-Jun-21	16:49	0.10	0.10
NaOH [Normality]	24-Jun-21	08:47	25-Jun-21	16:49	0.10	0.10
Vol NaOH to pH=8.3 [mL]	25-Jun-21	06:47	25-Jun-21	16:49	38.02	36.31
Final pH [no unit]	25-Jun-21	06:47	25-Jun-21	16:49	1.57	1.61
NP [t CaCO3/1000 t]	25-Jun-21	06:47	25-Jun-21	16:49	93.4	93.1
AP [t CaCO3/1000 t]	28-Jun-21	14:35	28-Jun-21	14:37	40.0	30.6
Net NP [t CaCO3/1000 t]	28-Jun-21	14:35	28-Jun-21	14:37	53.4	62.5
NP/AP [ratio]	28-Jun-21	14:35	28-Jun-21	14:37	2.34	3.04
S [%]	25-Jun-21	13:56	28-Jun-21	14:35	1.58	1.22
Acid Leachable SO4-S [%]	28-Jun-21	10:44	28-Jun-21	14:35	0.30	0.24
Sulphide [%]	28-Jun-21	10:44	28-Jun-21	14:35	1.28	0.98

OnLine LIMS

0002548625

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailins-Solid
C [%]	25-Jun-21	13:56	28-Jun-21	12:23	1.45	1.49
CO3 (HCl) [%]	29-Jun-21	10:58	29-Jun-21	11:43	6.92	7.06

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

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30-June-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 17 June 2021  
**LR Report:** CA15441-JUN21  
**Reference:** P.O# 999004

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Phone: (819) 759-3555  
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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailins-Solid
Sample Date & Time					13-Jun-21	13-Jun-21 07:00
CN(T) [µg/g]	24-Jun-21	10:06	30-Jun-21	14:43	22	---
CN(Free) [µg/g]	22-Jun-21	20:00	24-Jun-21	14:23	< 0.05	---
CNWAD [µg/g]	24-Jun-21	10:06	30-Jun-21	14:43	< 10	---
Ag [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	< 0.5	< 0.5
Al [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	28000	50000
As [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	8700	5700
Ba [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	310	590
Be [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	0.65	1.1
Bi [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	1.1	0.69
Ca [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	26000	28000
Cd [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	0.54	0.43
Co [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	15	15
Cr [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	48	63
Cu [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	84	76
Fe [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	95000	100000
K [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	8000	13000
Li [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	14	16
Mg [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	10000	11000
Mn [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	460	490
Mo [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	10	5.9
Na [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	1700	11000
Ni [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	35	35
P [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	470	570
Pb [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	480	380
Sb [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	1.2	1.7
Se [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	0.9	0.7
Sn [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	< 6	< 6

**SGS Canada Inc.**

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LR Report : CA15441-JUN21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: Tailings-Solid Composite	6: Tailins-Solid
Sr [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	160	260
Ti [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	380	1600
Tl [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	0.27	0.41
U [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	0.85	1.1
V [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	49	71
Y [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	5.0	6.4
Zn [µg/g]	24-Jun-21	22:21	28-Jun-21	16:04	100	94

Chromi um may not recover completely depending on sample matrix.

*Catharine Arnold*  
  
**Catharine Arnold, B.Sc., C.Chem**  
 Project Specialist,  
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**MEL**

**Project :** P.O# 999004

24-February-2022

**Date Rec. :** 23 December 2021

**LR Report:** CA15953-DEC21

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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 Composite	6: Tailings-Solid
Sample Date & Time					14-Dec-21 12:00	14-Dec-21 16:00
Paste pH [no unit]	07-Jan-22	09:00	10-Jan-22	09:46	8.15	8.17
Fizz Rate [no unit]	07-Jan-22	09:00	10-Jan-22	09:46	2	2
Sample weight [g]	07-Jan-22	09:00	10-Jan-22	09:46	2.00	2.00
HCl_add [mL]	08-Jan-22	07:15	10-Jan-22	09:46	90.30	83.10
HCl [Normality]	07-Jan-22	09:00	10-Jan-22	09:46	0.10	0.10
NaOH [Normality]	07-Jan-22	09:00	10-Jan-22	09:46	0.10	0.10
Vol NaOH to pH=8.3 [mL]	08-Jan-22	06:38	10-Jan-22	09:46	56.39	49.96
Final pH [no unit]	08-Jan-22	08:58	10-Jan-22	09:46	1.91	1.83
NP [t CaCO3/1000 t]	08-Jan-22	06:44	10-Jan-22	09:46	84.8	82.9
AP [t CaCO3/1000 t]	20-Jan-22	16:08	20-Jan-22	16:09	39.7	45.3
Net NP [t CaCO3/1000 t]	20-Jan-22	16:08	20-Jan-22	16:09	45.1	37.6
NP/AP [ratio]	20-Jan-22	16:08	20-Jan-22	16:09	2.14	1.83
S [%]	19-Jan-22	17:21	20-Jan-22	16:08	1.70	1.60
Acid Leachable SO4-S [%]	20-Jan-22	16:08	20-Jan-22	16:08	0.43	0.16
Sulphide [%]	20-Jan-22	14:26	20-Jan-22	16:08	1.27	1.45
C [%]	19-Jan-22	17:21	20-Jan-22	16:08	1.44	1.33

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings-Solid
CO3 (HCl) [%]	15-Feb-22	08:53	15-Feb-22	10:22	6.03	5.62

\*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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**Agnico Eagle Mines Limited**

Attn : Randy Schwandt/Brett Fairbairn

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Project : PO#OL-999004

20-January-2022

Date Rec. : 23 December 2021  
 LR Report: CA15954-DEC21

Copy: #1

# CERTIFICATE OF ANALYSIS

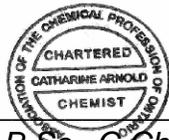
## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Tailings-Solid Composite	6: Tailings-Solid
Sample Date & Time					14-Dec-21 12:00	14-Dec-21 16:00
CN(T) [µg/g]	04-Jan-22	11:21	06-Jan-22	08:30	17	< 10
CNWAD [µg/g]	04-Jan-22	11:21	06-Jan-22	08:30	< 10	< 10
CN(Free) [µg/g]	05-Jan-22	10:54	06-Jan-22	08:38	< 0.05	< 0.05
Ag [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	0.5	< 0.5
Al [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	60000	55000
As [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	10000	10000
Ba [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	550	510
Be [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	1	1
Bi [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	2	1
Ca [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	30000	28000
Cd [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	0.38	0.34
Co [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	16	15
Cr [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	100	110
Cu [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	95	86
Fe [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	120000	120000
K [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	17000	16000
Li [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	21	18
Mg [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	12000	11000
Mn [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	550	510
Mo [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	11	8.5
Na [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	15000	13000
Ni [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	40	34
P [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	620	640
Pb [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	310	250
Sb [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	2.9	3.1
Se [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	0.9	0.9
Sn [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	< 6	< 6
Sr [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	280	270

Online LIMS

000277881

<b>Analysis</b>	<b>1: Analysis Start Date</b>	<b>2: Analysis Start Time</b>	<b>3: Analysis Completed Date</b>	<b>4: Analysis Completed Time</b>	<b>5: Tailings-Solid Composite</b>	<b>6: Tailings-Solid</b>
Ti [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	2300	1900
Tl [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	0.43	0.42
U [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	1.32	1.27
V [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	68	58
Y [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	7.21	6.85
Zn [µg/g]	11-Jan-22	12:30	12-Jan-22	10:31	130	120

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

# Appendix E: CP2 Bedrock Laboratory Certificates of Analysis

**SGS Canada Inc.**

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

30-November-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 17 November 2021  
**LR Report:** CA15305-NOV21  
**Reference:** P.O# 999004

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: ARDG-000226	6: ARDG-000225	7: ARDG-000208	8: ARDG-000214
Sample Date & Time					11-Nov-21 09:00	11-Nov-21 09:00	11-Nov-21 09:00	11-Nov-21 09:00
Paste pH [no unit]	25-Nov-21	08:00	26-Nov-21	14:43	8.62	8.88	8.82	8.39
Fizz Rate [no unit]	25-Nov-21	08:00	26-Nov-21	14:38	3	3	3	3
Sample weight [g]	25-Nov-21	08:00	26-Nov-21	14:38	2.00	2.00	2.00	2.01
HCl_add [mL]	26-Nov-21	06:20	26-Nov-21	14:38	32.40	47.50	45.90	30.30
HCl [Normality]	25-Nov-21	08:00	26-Nov-21	14:38	0.10	0.10	0.10	0.10
NaOH [Normality]	25-Nov-21	08:00	26-Nov-21	14:38	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	26-Nov-21	08:11	26-Nov-21	14:38	13.72	23.88	23.96	15.67
Final pH [no unit]	26-Nov-21	08:11	26-Nov-21	14:38	1.89	1.61	1.63	1.74
NP [t CaCO3/1000 t]	26-Nov-21	08:11	26-Nov-21	14:38	46.7	59.0	54.9	36.4
AP [t CaCO3/1000 t]	26-Nov-21	14:38	26-Nov-21	14:38	2.50	3.44	2.50	2.50
Net NP [t CaCO3/1000 t]	26-Nov-21	14:38	26-Nov-21	14:38	44.2	55.6	52.4	33.9
NP/AP [ratio]	26-Nov-21	14:38	26-Nov-21	14:38	18.7	17.2	22.0	14.6
S [%]	24-Nov-21	21:55	26-Nov-21	09:21	0.150	0.195	0.139	0.167
Acid Leachable SO4-S [%]	26-Nov-21	09:21	26-Nov-21	09:21	0.07	0.08	0.06	0.09
Sulphide [%]	25-Nov-21	08:50	26-Nov-21	09:21	0.08	0.11	0.08	0.08
C [%]	24-Nov-21	21:55	26-Nov-21	09:21	0.671	0.874	0.688	0.550
CO3 (HCl) [%]	25-Nov-21	15:34	26-Nov-21	09:21	2.89	3.94	3.18	2.18

Analysis	9: ARDG-000215	10: ARDG-000209	11: ARDG-000222	12: ARDG-000207	13: ARDG-000219	14: ARDG-000218	15: ARDG-000217
Sample Date & Time	11-Nov-21 09:00	11-Nov-21 09:00	11-Nov-21 09:00	11-Nov-21 09:00	11-Nov-21 09:00	11-Nov-21 09:00	11-Nov-21 09:00
Paste pH [no unit]	9.08	9.04	8.93	9.12	8.62	9.02	8.63
Fizz Rate [no unit]	3	3	3	3	3	3	3
Sample weight [g]	2.02	2.01	2.00	2.03	2.00	2.00	2.01
HCl_add [mL]	28.60	28.50	20.00	30.40	35.70	30.20	39.30
HCl [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	14.28	16.08	11.60	16.69	17.76	15.22	20.58
Final pH [no unit]	1.78	1.66	1.95	1.68	1.73	1.74	1.69
NP [t CaCO3/1000 t]	35.5	30.9	21.0	33.8	44.8	37.5	46.6
AP [t CaCO3/1000 t]	1.88	3.12	2.50	2.50	3.75	1.88	4.38
Net NP [t CaCO3/1000 t]	33.6	27.8	18.5	31.3	41.0	35.6	42.2

**SGS Canada Inc.**

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

**LR Report : CA15305-NOV21**

Analysis	9: ARDG-000215	10: ARDG-000209	11: ARDG-000222	12: ARDG-000207	13: ARDG-000219	14: ARDG-000218	15: ARDG-000217
NP/AP [ratio]	18.9	9.89	8.40	13.5	11.9	20.0	10.7
S [%]	0.130	0.168	0.153	0.155	0.245	0.170	0.254
Acid Leachable SO4-S [%]	0.07	0.07	0.07	0.08	0.12	0.11	0.11
Sulphide [%]	0.06	0.10	0.08	0.08	0.12	0.06	0.14
C [%]	0.444	0.398	0.280	0.468	0.690	0.499	0.718
CO3 (HCl) [%]	1.93	1.67	1.05	1.94	2.88	2.11	2.97

Analysis	16: ARDG-000210	17: ARDG-000223	18: ARDG-000213	19: ARDG-000221	20: ARDG-000224	21: ARDG-000212	22: ARDG-000220
Sample Date & Time	11-Nov-21 09:00						
Paste pH [no unit]	9.19	8.58	8.67	8.90	8.74	9.16	8.93
Fizz Rate [no unit]	3	3	3	3	3	3	3
Sample weight [g]	2.04	1.99	1.99	2.00	2.00	2.03	2.01
HCl_add [mL]	33.40	34.90	67.90	32.60	31.40	28.10	52.50
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]	21.02	15.20	32.01	14.16	17.14	17.58	26.60
Final pH [no unit]	1.66	1.79	1.86	1.86	1.71	1.67	1.64
NP [t CaCO3/1000 t]	30.3	49.5	90.2	46.1	35.6	25.9	64.4
AP [t CaCO3/1000 t]	3.44	2.19	5.31	2.19	1.88	2.50	4.38
Net NP [t CaCO3/1000 t]	26.9	47.3	84.9	43.9	33.7	23.4	60.0
NP/AP [ratio]	8.81	22.6	17.0	21.1	19.0	10.4	14.7
S [%]	0.178	0.135	0.308	0.199	0.130	0.173	0.263
Acid Leachable SO4-S [%]	0.07	0.06	0.14	0.13	0.07	0.09	0.12
Sulphide [%]	0.11	0.07	0.17	0.07	0.06	0.08	0.14
C [%]	0.256	0.657	1.24	0.642	0.452	0.289	0.901
CO3 (HCl) [%]	1.10	2.95	5.14	2.71	2.01	1.26	4.31

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

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

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

NP/AP Ratio = NP/AP

\*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material  
 Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

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



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 : Dan Gorton/Sean Arruda

Meliadine  
, Nunavut  
X0C 0A0, Canada

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

mel

Project : Meliadine

21-December-2021

Date Rec. : 17 November 2021

LR Report: CA15306-NOV21

Reference: PO# 999004

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Sample ID	Sample Date & Time	Ag µg/g	Al µg/g	As µg/g	Ba µg/g	Be µg/g	Bi µg/g	Ca µg/g	Cd µg/g	Co µg/g	Cr µg/g	Cu µg/g	Fe µg/g
1: Analysis Start Date		02-Dec-21											
2: Analysis Start Time		17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46
3: Analysis Completed Date		03-Dec-21											
4: Analysis Completed Time		12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07
5: ARDG-000226	11-Nov-21 09:00	< 0.5	75000	41	560	1	0.22	17000	0.15	22	84	46	37000
6: ARDG-000225	11-Nov-21 09:00	< 0.5	66000	33	620	0.94	0.30	16000	0.14	19	140	44	34000
7: ARDG-000208	11-Nov-21 09:00	< 0.5	75000	84	530	0.96	0.19	24000	0.16	25	54	60	45000
8: ARDG-000214	11-Nov-21 09:00	< 0.5	77000	38	650	0.99	0.38	13000	0.11	21	68	49	39000
9: ARDG-000215	11-Nov-21 09:00	< 0.5	82000	65	700	0.98	0.28	13000	0.10	23	66	44	40000
10: ARDG-000209	11-Nov-21 09:00	< 0.5	81000	50	490	0.85	0.23	13000	0.11	24	62	44	38000
11: ARDG-000222	11-Nov-21 09:00	< 0.5	85000	42	580	0.95	0.14	8900	0.07	23	60	40	42000
12: ARDG-000207	11-Nov-21 09:00	< 0.5	78000	39	480	0.85	0.23	13000	0.11	21	70	40	36000
13: ARDG-000219	11-Nov-21 09:00	< 0.5	75000	120	630	0.94	0.26	16000	0.10	24	82	55	43000
14: ARDG-000218	11-Nov-21 09:00	< 0.5	71000	37	510	0.92	0.25	15000	0.10	22	100	48	40000
15: ARDG-000217	11-Nov-21 09:00	< 0.5	68000	47	610	0.92	0.25	16000	0.10	26	170	68	40000
16: ARDG-000210	11-Nov-21 09:00	< 0.5	70000	32	200	0.52	0.14	56000	0.16	44	66	145	83000
17: ARDG-000223	11-Nov-21 09:00	< 0.5	70000	27	610	0.91	0.25	21000	0.12	19	45	39	35000
18: ARDG-000213	11-Nov-21 09:00	< 0.5	73000	39	610	0.93	0.24	33000	0.11	28	42	74	51000
19: ARDG-000221	11-Nov-21 09:00	< 0.5	85000	38	780	1	0.19	18000	0.12	29	64	60	45000
20: ARDG-000224	11-Nov-21 09:00	< 0.5	73000	56	630	0.95	0.31	16000	0.11	18	50	37	35000
21: ARDG-000212	11-Nov-21 09:00	< 0.5	82000	66	770	1	0.23	8300	0.08	30	84	50	47000
22: ARDG-000220	11-Nov-21 09:00	< 0.5	82000	53	720	1	0.34	18000	0.16	23	82	57	41000

OnLine LIMS

0002751814



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

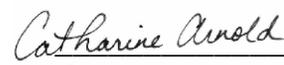
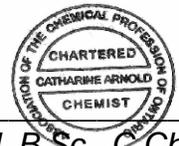
mel

**Project :** Meliadine  
**LR Report :** CA15306-NOV21

Sample ID	K µg/g	Li µg/g	Mg µg/g	Mn µg/g	Mo µg/g	Na µg/g	Ni µg/g	P µg/g	Pb µg/g	Sb µg/g	Se µg/g	Sn µg/g	Sr µg/g	Ti µg/g
1: Analysis Start Date	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21
2: Analysis Start Time	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46	17:46
3: Analysis Completed Date	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21
4: Analysis Completed Time	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07	12:07
5: ARDG-000226	17000	27	14000	530	1.6	21000	67	550	13	< 0.8	< 0.7	< 6	410	2600
6: ARDG-000225	15000	25	14000	450	1.3	22000	62	530	11	< 0.8	< 0.7	< 6	410	2400
7: ARDG-000208	14000	28	16000	640	1.1	22000	61	500	12	< 0.8	< 0.7	< 6	400	2900
8: ARDG-000214	17000	31	15000	440	1.5	20000	72	560	13	< 0.8	< 0.7	< 6	400	3100
9: ARDG-000215	18000	32	15000	470	1.5	20000	77	590	9	< 0.8	< 0.7	< 6	420	3300
10: ARDG-000209	15000	32	13000	450	1.1	24000	72	520	11	< 0.8	< 0.7	< 6	400	2000
11: ARDG-000222	21000	32	16000	360	1.7	17000	77	420	8	< 0.8	< 0.7	< 6	370	3400
12: ARDG-000207	14000	31	13000	440	1.1	23000	65	520	12	< 0.8	< 0.7	< 6	390	1800
13: ARDG-000219	15000	30	16000	530	1.8	20000	74	590	11	< 0.8	< 0.7	< 6	400	2800
14: ARDG-000218	13000	30	15000	450	1.7	23000	69	620	12	< 0.8	< 0.7	< 6	540	3200
15: ARDG-000217	15000	28	15000	500	2.6	20000	77	650	12	< 0.8	< 0.7	< 6	410	2700
16: ARDG-000210	5400	20	29000	1400	0.8	14000	70	400	10	1.6	< 0.7	< 6	360	5300
17: ARDG-000223	13000	28	13000	510	1.4	20000	62	580	12	< 0.8	< 0.7	< 6	440	2000
18: ARDG-000213	18000	37	18000	800	1.6	19000	61	460	10	< 0.8	< 0.7	< 6	350	3500
19: ARDG-000221	18000	34	17000	580	1.7	21000	82	630	9	< 0.8	< 0.7	< 6	480	3600
20: ARDG-000224	16000	24	13000	440	1.5	20000	59	530	11	< 0.8	< 0.7	< 6	390	2700
21: ARDG-000212	21000	45	19000	430	1.9	14000	97	500	10	< 0.8	< 0.7	< 6	310	2500
22: ARDG-000220	17000	29	16000	560	3.6	21000	76	580	12	< 0.8	< 0.7	< 6	460	2400

Sample ID	Ti µg/g	U µg/g	V µg/g	Y µg/g	Zn µg/g
1: Analysis Start Date	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21	02-Dec-21
2: Analysis Start Time	17:46	17:46	17:46	17:46	17:46
3: Analysis Completed Date	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21	03-Dec-21
4: Analysis Completed Time	12:07	12:07	12:07	12:07	12:07
5: ARDG-000226	0.39	1.59	90	9.50	78
6: ARDG-000225	0.35	1.41	89	7.28	73
7: ARDG-000208	0.33	1.24	110	10.2	78
8: ARDG-000214	0.41	1.55	94	8.64	82
9: ARDG-000215	0.45	1.52	100	8.81	85
10: ARDG-000209	0.34	1.31	90	8.97	91
11: ARDG-000222	0.44	1.56	110	8.95	85
12: ARDG-000207	0.34	1.18	87	8.02	84

Sample ID	Tl µg/g	U µg/g	V µg/g	Y µg/g	Zn µg/g
13: ARDG-000219	0.37	1.83	97	9.84	86
14: ARDG-000218	0.32	1.39	89	7.96	83
15: ARDG-000217	0.36	1.70	100	9.00	80
16: ARDG-000210	0.17	0.48	230	17.7	92
17: ARDG-000223	0.32	1.53	77	9.40	73
18: ARDG-000213	0.63	1.41	120	12.1	76
19: ARDG-000221	0.43	1.69	110	10.6	91
20: ARDG-000224	0.37	1.42	82	9.12	72
21: ARDG-000212	0.51	1.69	120	6.29	100
22: ARDG-000220	0.44	1.68	92	10.3	86

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

Appendix F: Tailings Storage Facility  
2019-Deposited Tailings Laboratory  
Certificates of Analysis

**SGS Canada Inc.**

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

21-December-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 19 November 2021  
**LR Report:** CA14819-NOV21  
**Reference:** P.O# 999004

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: TSF-BH01-A	6: TSF-BH01-B	7: TSF-BH02-A	8: TSF-BH02-B
Sample Date & Time					14-Nov-21 15:30	14-Nov-21 15:30	14-Nov-21 15:00	14-Nov-21 15:00
Paste pH [no unit]	29-Nov-21	08:00	30-Nov-21	15:11	8.23	8.26	8.21	8.19
Fizz Rate [no unit]	29-Nov-21	08:00	30-Nov-21	15:11	3	3	3	3
Sample weight [g]	29-Nov-21	08:00	30-Nov-21	15:11	2.01	2.02	2.01	2.00
HCl_add [mL]	30-Nov-21	06:15	30-Nov-21	15:11	81.00	78.30	127.20	84.70
HCl [Normality]	29-Nov-21	08:00	30-Nov-21	15:11	0.10	0.10	0.10	0.10
NaOH [Normality]	29-Nov-21	08:00	30-Nov-21	15:11	0.10	0.10	0.10	0.10
Vol NaOH to pH=8.3 [mL]	30-Nov-21	08:03	30-Nov-21	15:11	46.50	44.76	96.71	47.96
Final pH [no unit]	30-Nov-21	08:03	30-Nov-21	15:11	1.60	1.62	1.57	1.54
NP [t CaCO3/1000 t]	30-Nov-21	08:03	30-Nov-21	15:11	85.8	83.0	75.8	91.8
AP [t CaCO3/1000 t]	30-Nov-21	15:11	30-Nov-21	15:11	46.9	44.7	26.9	39.7
Net NP [t CaCO3/1000 t]	30-Nov-21	15:11	30-Nov-21	15:11	38.9	38.3	48.9	52.1
NP/AP [ratio]	30-Nov-21	15:11	30-Nov-21	15:11	1.83	1.86	2.82	2.31
S [%]	29-Nov-21	14:11	30-Nov-21	11:50	1.74	1.73	0.851	1.60
Acid Leachable SO4-S [%]	30-Nov-21	11:50	30-Nov-21	11:50	0.24	0.30	< 0.04	0.33
Sulphide [%]	30-Nov-21	06:51	30-Nov-21	11:50	1.50	1.43	0.86	1.27
C [%]	29-Nov-21	14:11	30-Nov-21	15:11	1.43	1.44	0.824	1.48
CO3 (HCl) [%]	01-Dec-21	07:42	01-Dec-21	16:29	6.54	6.46	3.74	6.86

Analysis	9: TSF-BH03-A	10: TSF-BH03-B	11: TSF-BH04-A	12: TSF-BH04-B	13: TSF-BH05-A	14: TSF-BH05-B	15: TSF-BH06-A
Sample Date & Time	14-Nov-21 14:30	14-Nov-21 14:30	14-Nov-21 13:00	14-Nov-21 13:00	14-Nov-21 13:30	14-Nov-21 13:30	14-Nov-21 14:00
Paste pH [no unit]	8.22	8.26	8.18	8.18	8.20	8.18	8.25
Fizz Rate [no unit]	3	3	3	3	3	3	3
Sample weight [g]	2.03	2.03	1.99	2.03	2.00	1.98	2.02
HCl_add [mL]	78.00	77.40	68.90	82.60	80.40	81.40	82.60
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]	44.09	44.84	34.89	49.04	47.16	48.82	49.08
Final pH [no unit]	1.58	1.58	1.87	1.59	1.56	1.55	1.54
NP [t CaCO3/1000 t]	83.5	80.2	85.5	82.6	83.1	82.3	83.0
AP [t CaCO3/1000 t]	40.6	35.0	47.2	47.2	42.5	46.2	37.5
Net NP [t CaCO3/1000 t]	42.9	45.2	38.3	35.4	40.6	36.0	45.5

**SGS Canada Inc.**

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LR Report : CA14819-NOV21

Analysis	9: TSF-BH03-A	10: TSF-BH03-B	11: TSF-BH04-A	12: TSF-BH04-B	13: TSF-BH05-A	14: TSF-BH05-B	15: TSF-BH06-A
NP/AP [ratio]	2.06	2.29	1.81	1.75	1.96	1.78	2.21
S [%]	1.66	1.46	1.77	1.85	1.65	1.79	1.60
Acid Leachable SO4-S [%]	0.36	0.34	0.26	0.34	0.29	0.31	0.40
Sulphide [%]	1.30	1.12	1.51	1.51	1.36	1.48	1.20
C [%]	1.46	1.41	1.49	1.44	1.48	1.48	1.48
CO3 (HCl) [%]	6.48	6.15	6.92	6.54	6.82	6.81	6.79

Analysis	16: TSF-BH06-B
Sample Date & Time	14-Nov-21 14:00
Paste pH [no unit]	8.27
Fizz Rate [no unit]	3
Sample weight [g]	2.03
HCl_add [mL]	84.00
HCl [Normality]	0.10
NaOH [Normality]	0.10
Vol NaOH to pH=8.3 [mL]	51.59
Final pH [no unit]	1.53
NP [t CaCO3/1000 t]	79.8
AP [t CaCO3/1000 t]	40.0
Net NP [t CaCO3/1000 t]	39.8
NP/AP [ratio]	2.00
S [%]	1.57
Acid Leachable SO4-S [%]	0.29
Sulphide [%]	1.28
C [%]	1.48
CO3 (HCl) [%]	6.91

\*NP (Neutralization Potential)  

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

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

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

NP/AP Ratio = NP/AP

\*Results expressed as tonnes CaCO3 equivalent/1000 tonnes of material  
 Samples with a % Sulphide value of <0.04 will be calculated using a 0.04 value.

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

**SGS Canada Inc.**

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21-December-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 19 November 2021  
**LR Report:** CA14820-NOV21  
**Reference:** P.O# 999004

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

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TSF-BH01-A	6: TSF-BH01-B	7: TSF-BH02-A	8: TSF-BH02-B	9: TSF-BH03-A
Sample Date & Time				14-Nov-21 15:30	14-Nov-21 15:30	14-Nov-21 15:00	14-Nov-21 15:00	14-Nov-21 14:30
Ag [µg/g]	19:08	08-Dec-21	14:41	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	19:08	08-Dec-21	14:41	45000	47000	80000	48000	47000
As [µg/g]	19:08	08-Dec-21	14:41	11000	11000	5100	9300	11000
Ba [µg/g]	19:08	08-Dec-21	14:41	540	570	430	780	460
Be [µg/g]	19:08	08-Dec-21	14:41	1.0	1.1	1.0	1.2	0.94
Bi [µg/g]	19:08	08-Dec-21	14:41	0.86	0.92	0.57	1.1	1.2
Ca [µg/g]	19:08	08-Dec-21	14:41	30000	30000	21000	33000	31000
Cd [µg/g]	19:08	08-Dec-21	14:41	0.46	0.47	0.34	0.49	0.53
Co [µg/g]	19:08	08-Dec-21	14:41	13	13	8.8	15	14
Cr [µg/g]	19:08	08-Dec-21	14:41	33	36	37	59	36
Cu [µg/g]	19:08	08-Dec-21	14:41	94	96	72	120	130
Fe [µg/g]	19:08	08-Dec-21	14:42	140000	140000	75000	130000	140000
K [µg/g]	19:08	08-Dec-21	14:42	15000	15000	27000	15000	14000
Li [µg/g]	19:08	08-Dec-21	14:42	17	17	21	18	17
Mg [µg/g]	19:08	08-Dec-21	14:42	10000	11000	6200	11000	10000
Mn [µg/g]	19:08	08-Dec-21	14:42	450	460	300	510	470
Mo [µg/g]	19:08	08-Dec-21	14:42	8.3	8.2	4.7	8.1	9.2
Na [µg/g]	19:08	08-Dec-21	14:42	9800	10000	45000	12000	12000
Ni [µg/g]	19:08	08-Dec-21	14:42	33	32	20	36	33
P [µg/g]	19:08	08-Dec-21	14:42	590	570	350	620	570
Pb [µg/g]	19:08	08-Dec-21	14:42	330	350	260	460	370
Sb [µg/g]	19:08	08-Dec-21	14:42	2.7	2.9	1.6	2.7	2.8
Se [µg/g]	19:08	08-Dec-21	14:42	0.8	0.8	< 0.7	0.9	0.9
Sn [µg/g]	19:08	08-Dec-21	14:42	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	19:08	08-Dec-21	14:42	260	260	190	280	260
Ti [µg/g]	19:08	08-Dec-21	14:42	1600	1600	950	1700	1600
Tl [µg/g]	19:08	08-Dec-21	14:42	0.37	0.40	0.47	0.39	0.33
U [µg/g]	19:08	08-Dec-21	14:42	1.11	1.16	0.77	1.27	1.04
V [µg/g]	19:08	08-Dec-21	14:42	55	56	35	64	55
Y [µg/g]	19:08	08-Dec-21	14:42	6.2	6.6	5.2	7.3	6.4
Zn [µg/g]	19:08	08-Dec-21	14:42	93	94	68	100	100

**SGS Canada Inc.**

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**LR Report : CA14820-NOV21**

Analysis	10: TSF-BH03-B	11: TSF-BH04-A	12: TSF-BH04-B	13: TSF-BH05-A	14: TSF-BH05-B	15: TSF-BH06-A	16: TSF-BH06-B
Sample Date & Time	14-Nov-21 14:30	14-Nov-21 13:00	14-Nov-21 13:00	14-Nov-21 13:30	14-Nov-21 13:30	14-Nov-21 14:00	14-Nov-21 14:00
Ag [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Al [µg/g]	50000	47000	45000	46000	44000	48000	48000
As [µg/g]	9800	11000	11000	10000	11000	10000	10000
Ba [µg/g]	490	520	540	470	480	470	480
Be [µg/g]	0.97	0.96	1.0	0.98	0.91	0.94	1.0
Bi [µg/g]	1.1	1.1	1.0	0.92	0.94	1.4	1.3
Ca [µg/g]	32000	31000	30000	32000	31000	32000	32000
Cd [µg/g]	0.47	0.49	0.60	0.50	0.44	0.57	0.53
Co [µg/g]	14	14	13	13	12	17	15
Cr [µg/g]	41	33	26	30	27	35	43
Cu [µg/g]	140	120	130	110	110	110	110
Fe [µg/g]	130000	140000	140000	140000	140000	130000	130000
K [µg/g]	15000	14000	14000	14000	13000	14000	14000
Li [µg/g]	18	16	16	16	15	17	17
Mg [µg/g]	11000	10000	10000	10000	10000	11000	11000
Mn [µg/g]	490	460	460	480	450	520	510
Mo [µg/g]	8.3	7.8	9.0	7.5	7.8	9.8	9.4
Na [µg/g]	13000	11000	11000	10000	10000	12000	12000
Ni [µg/g]	36	33	31	33	30	38	36
P [µg/g]	590	570	570	550	550	520	530
Pb [µg/g]	340	380	390	350	350	440	410
Sb [µg/g]	2.6	2.8	2.7	2.6	2.7	2.7	2.7
Se [µg/g]	0.9	0.8	0.8	0.8	0.9	0.9	0.9
Sn [µg/g]	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Sr [µg/g]	270	260	260	250	250	250	250
Ti [µg/g]	1800	1700	1500	1600	1600	1700	1800
Tl [µg/g]	0.34	0.35	0.33	0.35	0.32	0.35	0.37
U [µg/g]	1.11	1.08	1.04	1.14	1.02	1.08	1.11
V [µg/g]	60	55	52	54	51	63	61
Y [µg/g]	7.9	6.4	7.3	6.3	6.8	6.7	6.8
Zn [µg/g]	110	110	100	100	90	130	120



  
**Catharine Arnold, B.Sc., C.Chem**  
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21-December-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 19 November 2021  
**LR Report:** CA14821-NOV21  
**Reference:** P.O# 999004

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: TSF-BH01-A	6: TSF-BH01-B	7: TSF-BH02-A	8: TSF-BH02-B	9: TSF-BH03-A
Sample Date & Time					14-Nov-21 15:30	14-Nov-21 15:30	14-Nov-21 15:00	14-Nov-21 15:00	14-Nov-21 14:30
Sample weight [g]	06-Dec-21	10:45	07-Dec-21	10:20	250	250	250	250	250
Volume D.I. Water [mL]	06-Dec-21	10:45	07-Dec-21	10:20	750	750	750	750	750
Final pH [no unit]	06-Dec-21	09:00	07-Dec-21	10:20	8.19	8.23	8.68	8.57	8.57
pH [No unit]	07-Dec-21	12:37	09-Dec-21	09:05	8.00	8.01	7.80	7.80	7.69
Conductivity [uS/cm]	07-Dec-21	12:37	09-Dec-21	09:05	2380	2440	2300	2360	2580
Alkalinity [mg/L as CaCO3]	07-Dec-21	12:37	09-Dec-21	09:05	68	70	39	42	38
SO4 [mg/L]	07-Dec-21	13:43	08-Dec-21	15:48	790	820	740	710	870
Hg [mg/L]	09-Dec-21	11:00	10-Dec-21	10:10	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	< 0.00005	0.00073	0.00245	0.00106	0.00177
Al [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.151	0.141	0.441	0.367	0.323
As [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	1.95	2.50	2.07	1.64	2.87
Ba [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.0607	0.0605	0.0592	0.0576	0.0460
B [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.210	0.169	0.146	0.165	0.161
Be [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	< 0.000007	0.000109	< 0.000007	0.000009	< 0.000007
Bi [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	< 0.00001	0.00009	0.00001	< 0.00001	< 0.00001
Ca [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	229	230	250	223	285
Cd [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	< 0.000003	0.000016	0.000025	0.000031	0.000004
Co [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.0258	0.0258	0.0237	0.0239	0.0253
Cr [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	< 0.00008	< 0.00008	0.00015	0.00026	< 0.00008
Cu [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.0055	0.0032	0.0091	0.0054	0.0107
Fe [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.666	0.655	0.770	0.619	0.570
K [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	50.2	49.9	45.9	45.3	42.0
Li [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.0015	0.0015	0.0017	0.0021	0.0071
Mg [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	8.36	6.94	3.72	4.54	3.12
Mn [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.00702	0.00599	0.0137	0.00414	0.00200
Mo [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.08770	0.0870	0.0724	0.0747	0.0589
Na [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	278	277	272	280	294
Ni [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.0010	0.0009	0.0006	0.0007	0.0006
Pb [mg/L]	08-Dec-21	16:27	09-Dec-21	15:08	0.00018	0.00028	0.00013	0.00028	< 0.00009
Sb [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	0.0116	0.0113	0.0085	0.0089	0.0087
Se [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	0.0343	0.0335	0.0233	0.0207	0.0306
Si [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	1.58	1.62	1.03	1.07	1.04
Sn [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	< 0.00006	0.00012	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	0.521	0.528	0.468	0.469	0.451
Ti [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	0.00055	0.00012	0.00067	0.00014	0.00051
Tl [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	0.000018	0.000131	0.000031	0.000051	0.000019
U [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	0.00140	0.00144	0.000379	0.000518	0.000370
V [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	0.00042	0.00042	0.00049	0.00038	0.00035
Zn [mg/L]	08-Dec-21	16:27	09-Dec-21	15:09	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

**SGS Canada Inc.**

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**LR Report : CA14821-NOV21**

Analysis	10: TSF-BH03-B	11: TSF-BH04-A	12: TSF-BH04-B	13: TSF-BH05-A	14: TSF-BH05-B	15: TSF-BH06-A	16: TSF-BH06-B
Sample Date & Time	14-Nov-21 14:30	14-Nov-21 13:00	14-Nov-21 13:00	14-Nov-21 13:30	14-Nov-21 13:30	14-Nov-21 14:00	14-Nov-21 14:00
Sample weight [g]	250	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750
Final pH [no unit]	8.80	8.46	8.28	8.39	8.21	8.42	8.51
pH [No unit]	7.85	7.65	7.61	7.56	7.76	7.90	7.87
Conductivity [uS/cm]	2670	2730	2920	2590	2710	2580	2610
Alkalinity [mg/L as CaCO3]	33	35	39	37	50	51	45
SO4 [mg/L]	930	890	920	840	830	830	840
Hg [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	0.00641	0.00340	0.00222	0.00234	0.00593	0.00288	0.00529
Al [mg/L]	0.560	0.214	0.135	0.204	0.173	0.259	0.406
As [mg/L]	3.65	0.687	0.539	0.761	0.575	1.23	1.45
Ba [mg/L]	0.0455	0.0506	0.0526	0.0473	0.0559	0.0506	0.0553
B [mg/L]	0.119	0.119	0.119	0.121	0.118	0.167	0.172
Be [mg/L]	0.000020	0.000023	< 0.000007	0.000007	0.000017	< 0.000007	0.000124
Bi [mg/L]	0.00003	0.00002	< 0.00001	< 0.00001	0.00002	< 0.00001	0.00012
Ca [mg/L]	333	274	259	261	272	233	237
Cd [mg/L]	0.000006	0.000018	0.000004	0.000036	0.000010	0.000015	0.000420
Co [mg/L]	0.0278	0.0212	0.0195	0.0265	0.0215	0.0303	0.0293
Cr [mg/L]	< 0.00008	< 0.00008	< 0.00008	< 0.00008	< 0.00008	0.00017	0.00062
Cu [mg/L]	0.0149	0.0163	0.0105	0.0089	0.0146	0.0131	0.0186
Fe [mg/L]	0.962	0.641	0.327	0.687	0.433	1.10	1.75
K [mg/L]	42.2	43.9	41.8	42.5	45.3	44.0	44.6
Li [mg/L]	0.0019	0.0020	0.0020	0.0016	0.0025	0.0020	0.0021
Mg [mg/L]	2.13	6.60	8.64	7.18	9.97	5.96	5.27
Mn [mg/L]	0.00089	0.00347	0.00529	0.00625	0.00674	0.00787	0.0711
Mo [mg/L]	0.0536	0.0643	0.0605	0.0613	0.0491	0.0855	0.0691
Na [mg/L]	296	327	348	316	322	317	313
Ni [mg/L]	0.0005	0.0006	0.0007	0.0010	0.0006	0.0009	0.0031
Pb [mg/L]	< 0.00009	0.00012	0.00011	0.00009	0.00014	0.00013	0.00023
Sb [mg/L]	0.0080	0.0068	0.0057	0.0063	0.0067	0.0093	0.0099
Se [mg/L]	0.0286	0.0209	0.0200	0.0238	0.0246	0.0176	0.0194
Si [mg/L]	0.84	0.99	1.10	1.12	1.40	1.42	1.37
Sn [mg/L]	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	< 0.00006	0.00022
Sr [mg/L]	0.493	0.506	0.534	0.539	0.559	0.524	0.486
Ti [mg/L]	0.00035	0.00023	0.00013	0.00022	0.00071	0.00034	0.00079
Tl [mg/L]	0.000022	0.000078	0.000031	0.000030	0.000050	0.000031	0.000138
U [mg/L]	0.000202	0.000359	0.000332	0.000379	0.000487	0.000540	0.000560
V [mg/L]	0.00072	0.00020	0.00006	0.00014	0.00007	0.00031	0.00078
Zn [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.003

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

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

Appendix G: Quarry Material and SP4  
Temporary Pad Laboratory  
Certificates of Analysis



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 : Dan Gorton/Sean Arruda

Meliadine  
, Nunavut  
X0C 0A0, Canada

Phone: (819) 759-3555

Fax:(819) 759-3663

mel

Project : PO#OL-999004

19-October-2021

Date Rec. : 07 October 2021

LR Report: CA14135-OCT21

Reference: Meliadine

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# CERTIFICATE OF ANALYSIS

## Final Report

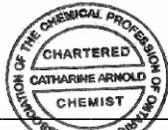
Analysis	1: Analysis Start Date	2: Analysis Time Completed	3: Analysis Completed Date	4: Analysis Completed Time	5: SP4_Temp_Pad
Sample Date & Time					01-Oct-21
Paste pH [no unit]	15-Oct-21	08:45	18-Oct-21	09:50	8.98
Fizz Rate [no unit]	15-Oct-21	08:45	18-Oct-21	09:50	3
Sample weight [g]	15-Oct-21	08:45	18-Oct-21	09:50	2.00
HCl_add [mL]	16-Oct-21	06:45	18-Oct-21	09:50	47.90
HCl [Normality]	15-Oct-21	08:45	18-Oct-21	09:50	0.10
NaOH [Normality]	15-Oct-21	08:45	18-Oct-21	09:50	0.10
Vol NaOH to pH=8.3 [mL]	16-Oct-21	06:45	18-Oct-21	09:50	26.25
Final pH [no unit]	16-Oct-21	06:45	18-Oct-21	09:50	1.62
NP [t CaCO3/1000 t]	16-Oct-21	06:45	18-Oct-21	09:50	54.1
AP [t CaCO3/1000 t]	18-Oct-21	16:44	18-Oct-21	16:44	17.8
Net NP [t CaCO3/1000 t]	18-Oct-21	16:44	18-Oct-21	16:44	36.3
NP/AP [ratio]	18-Oct-21	18-Oct-21	18-Oct-21	16:44	3.04
S [%]	18-Oct-21	13:20	18-Oct-21	16:44	0.705
Acid Leachable SO4-S [%]	18-Oct-21	16:44	18-Oct-21	16:44	0.14
Sulphide [%]	18-Oct-21	11:56	18-Oct-21	14:00	0.57
C [%]	18-Oct-21	13:20	18-Oct-21	16:44	0.819

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: AnalysisSP4_Temp_Pad Completed Time	5:
CO3 (pyro) [%]	19-Oct-21	10:52	19-Oct-21	15:07	2.52
CO3 (HCl) [%]	19-Oct-21	08:45	19-Oct-21	15:07	3.90

\*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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19-October-2021

**Agnico Eagle Mines Limited**

Attn : Dan Gorton/Sean Arruda

**Date Rec. :** 07 October 2021  
**LR Report:** CA14136-OCT21  
**Reference:** .PO# OL-999004

Meliadine  
 , Nunavut  
 X0C 0A0, Canada

**Copy:** #1

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Start Date	2: Analysis Start TimeCompleted	3: Analysis Completed Date	4: AnalysisSP4_Temp_Pad Completed Time	5:
Sample Date & Time					01-Oct-21
Ag [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	< 0.5
Al [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	90000
As [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	28
Ba [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	510
Be [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	1
Bi [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	0.25
Ca [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	23000
Cd [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	0.08
Co [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	9
Cr [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	39
Cu [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	49
Fe [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	72000
K [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	19000
Li [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	22
Mg [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	9100
Mn [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	290
Mo [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	1.6
Na [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	31000
Ni [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	24
P [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	450
Pb [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	9
Sb [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	< 0.8
Se [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	< 0.7
Sn [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	< 6
Sr [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	420
Ti [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	2600
Tl [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	0.31
U [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	0.83
V [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	52

**SGS Canada Inc.**

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LR Report : CA14136-OCT21

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis SP4_ Temp_ Pad Completed Time	5:
Y [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	5.5
Zn [µg/g]	18-Oct-21	13:46	19-Oct-21	15:43	51

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





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Project : PO#OL-999004

08-October-2021

Date Rec. : 30 September 2021

LR Report: CA14432-SEP21

Reference: Meliadine

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# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed Date	3: Analysis Completed Date	4: Analysis Completed Time	5: TP_Quarry_Nor th_M506	6: TP_Quarry_Sou th_M506
Sample Date & Time					23-Sep-21	23-Sep-21
Paste pH [no unit]	01-Oct-21	08:18	04-Oct-21	15:16	9.18	8.73
Fizz Rate [no unit]	01-Oct-21	08:18	04-Oct-21	15:16	3	4
Sample weight [g]	01-Oct-21	08:18	04-Oct-21	15:16	1.94	1.99
HCl_add [mL]	02-Oct-21	06:31	04-Oct-21	15:16	32.00	140.00
HCl [Normality]	01-Oct-21	08:18	04-Oct-21	15:16	0.10	0.10
NaOH [Normality]	01-Oct-21	08:18	04-Oct-21	15:16	0.10	0.10
Vol NaOH to pH=8.3 [mL]	02-Oct-21	06:31	04-Oct-21	15:16	18.77	58.53
Final pH [no unit]	02-Oct-21	06:31	04-Oct-21	15:16	1.86	1.69
NP [t CaCO3/1000 t]	02-Oct-21	06:31	04-Oct-21	15:16	34.1	205
AP [t CaCO3/1000 t]	04-Oct-21	15:16	04-Oct-21	15:16	11.2	14.4
Net NP [t CaCO3/1000 t]	04-Oct-21	15:16	04-Oct-21	15:16	22.8	190
NP/AP [ratio]	04-Oct-21	15:16	04-Oct-21	15:16	3.03	14.2
S [%]	01-Oct-21	15:59	04-Oct-21	15:01	0.475	0.569
Acid Leachable SO4-S [%]	04-Oct-21	15:01	04-Oct-21	15:01	0.12	0.11
Sulphide [%]	04-Oct-21	13:08	04-Oct-21	15:01	0.36	0.46
C [%]	01-Oct-21	15:59	04-Oct-21	15:16	0.438	3.17

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Date	4: Analysis Completed Time	5: TP_Quarry_Nor th_M506	6: TP_Quarry_Sou th_M506
CO3 (pyro) [%]	05-Oct-21	10:22	05-Oct-21	12:56	1.18	12.8
CO3 (HCl) [%]	05-Oct-21	12:58	05-Oct-21	14:27	2.04	15.2

\*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,**  
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08-October-2021

Date Rec. : 30 September 2021

LR Report: CA14433-SEP21

Reference: P.O# OL-999004

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Completed Date	4: Analysis Completed Time	5: TP_Quarry_Nor th_M506	6: TP_Quarry_Sou th_M506
Sample Date & Time					23-Sep-21	23-Sep-21
Ag [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	< 0.5	< 0.5
Al [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	78000	23000
As [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	160	3100
Ba [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	710	56
Be [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	1	0.36
Bi [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	0.32	0.24
Ca [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	13000	62000
Cd [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	0.12	0.06
Co [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	25	30
Cr [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	96	61
Cu [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	67	85
Fe [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	49000	56000
K [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	19000	5000
Li [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	38	20
Mg [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	14000	19000
Mn [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	390	1300

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: TP_Quarry_Nor th_M506	6: TP_Quarry_Sou th_M506
Mo [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	1.5	0.4
Na [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	20000	1500
Ni [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	81	96
P [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	550	390
Pb [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	13	9
Sb [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	< 0.8	< 0.8
Se [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	< 0.7	< 0.7
Sn [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	< 6	< 6
Sr [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	330	110
Ti [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	720	90
Tl [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	0.41	0.23
U [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	1.44	0.21
V [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	94	68
Y [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	7.36	5.03
Zn [µg/g]	07-Oct-21	00:31	07-Oct-21	15:57	82	60

*Catharine Arnold*  
  
**Catharine Arnold, B.Sc., C.Chem**  
 Project Specialist,  
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08-October-2021

Date Rec. : 30 September 2021

LR Report: CA14434-SEP21

Reference: PO#OL-999004

Copy: #1

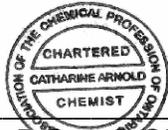
# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed Date	3: Analysis Completed Date	4: Analysis Completed Time	5: TP_Quarry_Nor th_M506	6: TP_Quarry_Sou th_M506	7: TP_Quarry_Sou th_M506	8:BLK: \$D.I. Leachate Blank
Sample Date & Time					23-Sep-21	23-Sep-21		
Sample weight [g]	01-Oct-21	07:20	04-Oct-21	13:35	250	250	250	---
Volume D.I. Water [mL]	01-Oct-21	07:20	04-Oct-21	13:35	750	750	750	750
Final pH [no unit]	02-Oct-21	07:00	04-Oct-21	13:35	9.06	8.51	8.49	5.79
Hg [mg/L]	05-Oct-21	11:07	05-Oct-21	15:22	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ag [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Al [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.610	0.329	0.303	0.006
As [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.0192	0.305	0.265	0.0005
Ba [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.00327	0.00445	0.00452	0.00025
B [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.018	0.054	0.058	< 0.002
Be [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bi [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Ca [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	9.55	20.0	22.2	0.22
Cd [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Co [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.000020	0.000150	0.000185	0.000026
Cr [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.00039	< 0.00008	< 0.00008	< 0.00008
Cu [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 0.0002	< 0.0002	< 0.0002	0.0006

Analysis	1: Analysis Start Date	2: Analysis Start Time Completed	3: Analysis Completed Date	4: Analysis Completed Time	5: TP_Quarry_Nor th_M506	6: TP_Quarry_Sou th_M506	7: TP_Quarry_Sou th_M506	8:BLK: \$D.I. Leachate Blank
Fe [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.014	< 0.007	0.007	< 0.007
K [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	9.75	17.5	19.6	0.037
Li [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.0017	0.0045	0.0046	< 0.0001
Mg [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	1.75	9.02	10.1	0.029
Mn [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.01367	0.00783	0.00823	0.00035
Mo [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.00149	0.00409	0.00486	0.00018
Na [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	15.1	39.7	42.7	0.14
Ni [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.0002	0.0008	0.0009	0.0003
Pb [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 0.00009	< 0.00009	< 0.00009	< 0.00009
Sb [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.0044	0.0264	0.0289	< 0.0009
Se [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.00025	0.00064	0.00070	< 0.00004
Sn [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 0.00006	< 0.00006	< 0.00006	< 0.00006
Sr [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.0488	0.0673	0.0697	0.0009
Ti [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.00209	0.00005	0.00032	0.00048
Tl [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 0.000005	0.000008	0.000007	< 0.000005
U [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.000076	0.000213	0.000254	< 0.000002
V [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.00177	0.00112	0.00102	0.00004
W [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	0.00042	0.00088	0.00086	< 0.00002
Y [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Zn [mg/L]	04-Oct-21	17:10	06-Oct-21	12:29	< 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**