

SGS Canada Inc.

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

28-November-2016

Agnico Eagle Mines Limited

Attn : Jeffrey Pratt

Date Rec. : 14 November 2016
LR Report: CA15364-NOV16

Baker Lake
, Nunavut
X0C 0A0,

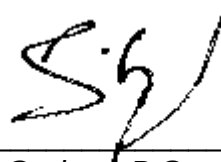
Copy: #1

Phone: (819) 759-3555 x3928
Fax:(819) 759-3663

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Mel Esker
Sample Date & Time			07-Nov-16 15:30
Paste pH	28-Nov-16	09:45	9.46
Fizz Rate [---]	28-Nov-16	09:45	1
Sample weight [g]	28-Nov-16	09:45	1.99
HCl Added [mL]	28-Nov-16	09:45	20.00
HCl [Normality]	28-Nov-16	09:45	0.10
NaOH [Normality]	28-Nov-16	09:45	0.10
NaOH to pH=8.3 [mL]	28-Nov-16	09:45	13.26
Final pH	28-Nov-16	09:45	1.45
NP [t CaCO ₃ /1000 t]	28-Nov-16	09:45	17
AP [t CaCO ₃ /1000 t]	---	---	0.94
Net NP [t CaCO ₃ /1000 t]	---	---	16.0
NP/AP [ratio]	---	---	18.0
Sulphur (total) [%]	25-Nov-16	14:15	0.051
Acid Leachable SO ₄ -S [%]	25-Nov-16	14:15	0.02
Sulphide [%]	25-Nov-16	14:11	0.03
Carbon (total) [%]	25-Nov-16	10:44	0.215
Carbonate [%]	25-Nov-16	10:44	0.590



Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical

**SGS Canada Inc.**

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28-November-2016

Agnico Eagle Mines Limited

Attn : Jeffrey Pratt

Date Rec. : 14 November 2016
LR Report: CA15367-NOV16

Baker Lake
, Nunavut
X0C 0A0,

Copy: #1

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CERTIFICATE OF ANALYSIS

Final Report

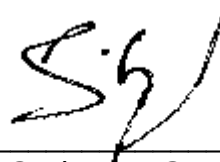
Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Mel Esker
Sample Date & Time			07-Nov-16 15:30
Sample weight [g]	23-Nov-16	12:00	2.50
Vol H2O2 [mL]	23-Nov-16	12:00	250
pH [no unit]	24-Nov-16	14:44	8.52
Conductivity [uS/cm]	24-Nov-16	14:44	222
Acidity [mg/L as CaCO3]	25-Nov-16	08:15	< 2
Sulphate [mg/L]	24-Nov-16	10:22	16
Mercury [mg/L]	25-Nov-16	10:23	< 0.00001
Aluminum [mg/L]	25-Nov-16	13:32	1.01
Arsenic [mg/L]	25-Nov-16	13:32	0.0072
Boron [mg/L]	25-Nov-16	13:32	0.014
Barium [mg/L]	25-Nov-16	13:32	0.0320
Beryllium [mg/L]	25-Nov-16	13:32	< 0.000007
Bismuth [mg/L]	25-Nov-16	13:32	< 0.000007
Cadmium [mg/L]	25-Nov-16	13:32	0.000005
Cobalt [mg/L]	25-Nov-16	13:32	0.000018
Chromium [mg/L]	25-Nov-16	13:32	0.0253
Copper [mg/L]	25-Nov-16	13:32	0.00056
Iron [mg/L]	25-Nov-16	13:32	0.008
Lithium [mg/L]	25-Nov-16	13:32	0.0128
Manganese [mg/L]	25-Nov-16	13:32	0.0160
Molybdenum [mg/L]	25-Nov-16	13:32	0.00345
Nickel [mg/L]	25-Nov-16	13:32	0.0001
Phosphorus [mg/L]	25-Nov-16	13:32	0.019
Lead [mg/L]	25-Nov-16	13:32	0.00015
Antimony [mg/L]	25-Nov-16	13:32	0.0035
Selenium [mg/L]	25-Nov-16	13:32	0.00073
Silicon [mg/L]	25-Nov-16	13:32	7.38
Tin [mg/L]	25-Nov-16	13:32	0.00017
Strontium [mg/L]	25-Nov-16	13:32	0.110
Titanium [mg/L]	25-Nov-16	13:32	0.00326
Thallium [mg/L]	25-Nov-16	13:32	0.000143

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LR Report : CA15367-NOV16

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: Mel Esker
Uranium [mg/L]	25-Nov-16	13:32	0.000129
Vanadium [mg/L]	25-Nov-16	13:32	0.0176
Zinc [mg/L]	25-Nov-16	13:32	< 0.002
Zirconium [mg/L]	25-Nov-16	13:32	< 0.002



*Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical*



Report No. CA15365-NOV16
Customer Agnico Eagle Mines Limited
Attention Jeffrey Pratt
Reference Bulk Metals

Title Final Report

Sample ID	Sample Date/Time	Units	Analysis	Analysis	
			Approval	Approval	
			Date	Time	Mel Esker 07-Nov-16 15:30
Silver	µg/g	23-Nov-16	15:54	0.08	
Aluminum	µg/g	23-Nov-16	15:54	78000	
Arsenic	µg/g	23-Nov-16	15:54	5.9	
Barium	µg/g	23-Nov-16	15:54	640	
Beryllium	µg/g	23-Nov-16	15:54	1.4	
Bismuth	µg/g	23-Nov-16	15:54	< 0.09	
Calcium	µg/g	23-Nov-16	15:54	27000	
Cadmium	µg/g	23-Nov-16	15:54	0.17	
Cobalt	µg/g	23-Nov-16	15:54	14	
Chromium	µg/g	23-Nov-16	15:54	110	
Copper	µg/g	23-Nov-16	15:54	27	
Iron	µg/g	23-Nov-16	15:54	34000	
Potassium	µg/g	23-Nov-16	15:54	21000	
Lithium	µg/g	23-Nov-16	15:54	22	
Magnesium	µg/g	23-Nov-16	15:54	10000	
Manganese	µg/g	23-Nov-16	15:54	430	
Molybdenum	µg/g	23-Nov-16	15:54	0.9	
Sodium	µg/g	23-Nov-16	15:54	31000	
Nickel	µg/g	23-Nov-16	15:54	29	
Phosphorus	µg/g	23-Nov-16	15:54	520	
Lead	µg/g	23-Nov-16	15:54	14	
Antimony	µg/g	23-Nov-16	15:54	< 0.8	
Selenium	µg/g	23-Nov-16	15:54	< 0.7	
Tin	µg/g	23-Nov-16	15:54	< 6	
Strontium	µg/g	23-Nov-16	15:54	410	
Titanium	µg/g	23-Nov-16	15:54	2400	
Thallium	µg/g	23-Nov-16	15:54	0.44	
Uranium	µg/g	23-Nov-16	15:54	2.0	
Vanadium	µg/g	23-Nov-16	15:54	65	
Yttrium	µg/g	23-Nov-16	15:54	12	
Zinc	µg/g	23-Nov-16	15:54	63	



Report No. CA15368-NOV16
Customer Agnico Eagle Mines Limited
Attention Jeffrey Pratt
Reference Whole Rock Analysis

Title Final Report

Sample ID Mel Esker
07-Nov-16
Sample Date/Time 15:30

Analysis	Units	
SiO ₂	%	66.2
Al ₂ O ₃	%	14.9
Fe ₂ O ₃	%	4.90
MgO	%	1.99
CaO	%	3.86
Na ₂ O	%	4.05
K ₂ O	%	1.98
TiO ₂	%	0.52
P ₂ O ₅	%	0.13
MnO	%	0.07
Cr ₂ O ₃	%	0.02
V ₂ O ₅	%	< 0.01
LOI	%	1.70
Sum	%	100.3



Report No. CA15119-DEC16
Customer Agnico Eagle Mines Limited
Attention Jeffrey Pratt
Reference PO#513894 - AEM-Meliadine Gold Project
Title ABA Final Report

Sample ID		Analysis Approval Date	Analysis Approval Time	ME-H-001	ME-C-001	ME-C-002	ME-C-003	ME-C-004	ME-ESK- 001	ME-ESK- 002	ME-ESK- 003	ME-ESK- 004	ME-ESK- 005
Analysis	Units												
Paste pH		16-Dec-16	15:37	8.64	9.16	9.08	9.04	8.81	9.85	9.53	9.55	9.53	9.33
Fizz Rate	---	16-Dec-16	15:37	3	2	3	2	2	2	2	2	2	3
Sample weight	g	16-Dec-16	15:37	2.08	2.06	2.00	1.99	2.03	2.00	2.01	2.06	2.01	2.04
HCl Added	mL	16-Dec-16	15:37	43.50	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
HCl	Normality	16-Dec-16	15:37	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH	Normality	16-Dec-16	15:37	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to pH=8.3	mL	16-Dec-16	15:37	20.08	13.40	11.02	12.72	13.54	11.57	13.92	13.14	14.68	10.83
Final pH		16-Dec-16	15:37	1.56	1.18	1.31	1.07	1.08	1.84	0.83	0.91	0.82	1.05
NP	t CaCO3/1000 t	16-Dec-16	15:37	56	16	22	18	16	21	15	17	13	22
AP	t CaCO3/1000 t	16-Dec-16	15:38	1.25	0.62	0.62	1.25	0.62	0.94	0.94	0.62	1.56	0.62
Net NP	t CaCO3/1000 t	16-Dec-16	15:38	55.0	15.4	21.8	17.0	15.3	20.2	14.2	16.0	11.6	21.9
NP/AP	ratio	16-Dec-16	15:38	45.0	25.8	35.8	14.6	25.4	22.5	16.1	26.8	8.45	36.0
Sulphur (total)	%	15-Dec-16	10:46	0.069	0.027	0.028	0.049	0.023	0.028	0.034	0.030	0.078	0.034
Acid Leachable SO4-S	%	15-Dec-16	10:46	0.03	0.03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.03	0.03	< 0.02
Sulphide	%	15-Dec-16	10:46	0.04	< 0.02	0.02	0.04	0.02	0.03	0.03	< 0.02	0.05	0.02
Carbon (total)	%	15-Dec-16	10:46	0.874	0.180	0.265	0.221	0.193	0.142	0.110	0.120	0.077	0.247
Carbonate	%	15-Dec-16	11:24	3.26	0.450	0.869	0.610	0.485	0.530	0.350	0.390	0.250	0.784



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Attn : Jeffrey Pratt

Baker Lake,

, X0C 0A0

Phone: (819) 759-3555 x3928, Fax:(819) 759-3663

Shake Flask Leach (3:1)

16-December-2016

Date Rec. : 08 December 2016

LR Report: CA15122-DEC16

Reference: PO#513894 - AEM-Meliadine Gold Project

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: ME-B-001	6: ME-B-002	7: ME-B-003	8: ME-B-004	9: ME-B-005	10: ME-B-006	11: ME-B-007
Sample Date & Time			25-Nov-16 12:00	25-Nov-16 12:00	25-Nov-16 12:00	25-Nov-16 12:00	25-Nov-16 12:00	25-Nov-16 12:00	25-Nov-16 12:00
Sample weight [g]	14-Dec-16	14:15	250	250	250	250	250	250	250
Volume D.I. Water [mL]	14-Dec-16	14:15	750	750	750	750	750	750	750
Initial pH	14-Dec-16	14:15	9.94	9.72	9.77	9.90	9.84	9.84	9.73
Final pH	14-Dec-16	14:15	9.26	8.99	9.11	9.34	9.11	9.24	9.22
Alkalinity [mg/L as CaCO ₃]	16-Dec-16	08:34	44	43	44	38	47	45	43
pH [no unit]	16-Dec-16	08:34	8.05	8.00	8.45	7.94	8.42	8.42	8.04
Conductivity [uS/cm]	16-Dec-16	08:34	125	161	150	103	132	114	109
Sulphate [mg/L]	15-Dec-16	14:41	3	10	10	4	8	3	4
Mercury [mg/L]	16-Dec-16	14:57	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	16-Dec-16	14:02	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	16-Dec-16	14:02	0.677	0.456	0.505	0.536	0.639	0.613	0.735
Arsenic [mg/L]	16-Dec-16	14:02	0.0315	0.0410	0.0334	0.0245	0.0359	0.0667	0.0454
Barium [mg/L]	16-Dec-16	14:02	0.00094	0.00239	0.00131	0.00133	0.00155	0.00109	0.00107
Boron [mg/L]	16-Dec-16	14:02	0.016	0.015	0.012	0.012	0.016	0.013	0.016
Beryllium [mg/L]	16-Dec-16	14:02	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	16-Dec-16	14:02	< 0.000007	0.000029	< 0.000007	0.000014	0.000008	< 0.000007	< 0.000007
Calcium [mg/L]	16-Dec-16	14:02	6.23	9.22	8.60	5.83	7.51	6.74	5.73
Cadmium [mg/L]	16-Dec-16	14:02	< 0.000003	0.000005	< 0.000003	< 0.000003	< 0.000003	0.000005	0.000009



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Shake Flask Leach (3:1)

LR Report :

CA15122-DEC16

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: ME-B-001	6: ME-B-002	7: ME-B-003	8: ME-B-004	9: ME-B-005	10: ME-B-006	11: ME-B-007
Cobalt [mg/L]	16-Dec-16	14:02	0.000040	0.000038	0.000030	0.000014	0.000024	0.000016	0.000019
Chromium [mg/L]	16-Dec-16	14:02	0.00008	0.00012	0.00008	0.00012	0.00005	0.00004	0.00010
Copper [mg/L]	16-Dec-16	14:02	0.00014	0.00010	0.00016	0.00019	0.00007	0.00010	0.00021
Iron [mg/L]	16-Dec-16	14:02	< 0.007	0.008	< 0.007	< 0.007	< 0.007	< 0.007	0.011
Potassium [mg/L]	16-Dec-16	14:02	8.63	8.95	7.92	6.45	10.4	6.98	9.37
Lithium [mg/L]	16-Dec-16	14:02	0.0009	0.0008	0.0009	0.0006	0.0009	0.0010	0.0005
Manganese [mg/L]	16-Dec-16	14:02	0.00123	0.00103	0.00131	0.00053	0.00073	0.00097	0.00042
Magnesium [mg/L]	16-Dec-16	14:02	1.44	1.95	2.46	0.849	1.45	1.54	1.20
Molybdenum [mg/L]	16-Dec-16	14:02	0.00167	0.00136	0.00069	0.00049	0.00070	0.00091	0.00073
Sodium [mg/L]	16-Dec-16	14:02	12.0	12.1	12.6	8.60	9.13	9.28	7.99
Nickel [mg/L]	16-Dec-16	14:02	< 0.0001	0.0002	0.0002	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Phosphorus [mg/L]	16-Dec-16	14:02	0.005	0.006	0.007	0.005	< 0.003	< 0.003	0.006
Lead [mg/L]	16-Dec-16	14:02	0.00007	0.00007	0.00005	0.00006	0.00005	0.00003	0.00004
Antimony [mg/L]	16-Dec-16	14:02	0.0052	0.0045	0.0047	0.0061	0.0055	0.0052	0.0048
Selenium [mg/L]	16-Dec-16	14:02	0.00016	0.00009	0.00010	0.00017	0.00011	0.00011	0.00008
Silicon [mg/L]	16-Dec-16	14:02	2.77	2.13	2.46	2.91	1.94	2.37	1.84
Tin [mg/L]	16-Dec-16	14:02	0.00008	0.00007	0.00005	0.00009	0.00006	0.00004	0.00005
Strontium [mg/L]	16-Dec-16	14:02	0.0299	0.0473	0.0470	0.0332	0.0408	0.0372	0.0219
Titanium [mg/L]	16-Dec-16	14:02	0.00026	0.00027	0.00010	0.00025	0.00025	0.00010	0.00088
Thallium [mg/L]	16-Dec-16	14:02	0.000005	< 0.000005	0.000006	< 0.000005	0.000009	< 0.000005	< 0.000005
Uranium [mg/L]	16-Dec-16	14:02	0.000923	0.000116	0.000268	0.000240	0.000137	0.000275	0.000116
Vanadium [mg/L]	16-Dec-16	14:02	0.00507	0.00274	0.00282	0.00538	0.00288	0.00403	0.00344
Zinc [mg/L]	16-Dec-16	14:02	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zirconium [mg/L]	16-Dec-16	14:02	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Analysis	12: ME-B-008	13: ME-H-001	14: ME-C-001	15: ME-C-002	16: ME-C-003	17: ME-C-004	18: ME-ESK-001	19: ME-ESK-002	20: ME-ESK-003
Sample Date & Time	25-Nov-16 12:00	25-Nov-16 04:00	25-Nov-16 16:00	25-Nov-16 16:00	25-Nov-16 16:00	25-Nov-16 16:00	25-Nov-16 02:00	25-Nov-16 02:00	25-Nov-16 02:00
Sample weight [g]	250	250	250	250	250	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750	750	750	750	750	750
Initial pH	9.81	9.23	9.47	9.33	9.29	9.38	9.36	9.60	9.32
Final pH	9.16	8.54	8.93	8.99	8.83	8.94	9.31	9.23	9.20
Alkalinity [mg/L as CaCO ₃]	47	54	36	33	28	29	32	35	33
pH [no unit]	8.09	8.02	7.90	7.94	7.91	7.90	7.90	7.95	7.89



SGS Canada Inc.

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Lakefield - Ontario - KOL 2HO

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Shake Flask Leach (3:1)

LR Report :

CA15122-DEC16

Analysis	12: ME-B-008	13: ME-H-001	14: ME-C-001	15: ME-C-002	16: ME-C-003	17: ME-C-004	18: ME-ESK-001	19: ME-ESK-002	20: ME-ESK-003
Conductivity [uS/cm]	132	266	208	170	171	166	173	154	187
Sulphate [mg/L]	7	60	30	20	21	19	21	18	22
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	0.475	0.324	0.570	0.600	0.592	0.598	0.598	0.602	0.580
Arsenic [mg/L]	0.0314	0.0148	0.0084	0.0112	0.0076	0.0153	0.0124	0.0124	0.0146
Barium [mg/L]	0.00161	0.0220	0.0123	0.00898	0.0114	0.0103	0.0128	0.00633	0.00640
Boron [mg/L]	0.013	0.014	0.033	0.029	0.031	0.027	0.041	0.040	0.048
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	0.000014	< 0.000007	0.000009	0.000012	< 0.000007	0.000009	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	7.82	25.8	10.6	8.87	10.3	9.21	6.19	6.67	6.47
Cadmium [mg/L]	< 0.000003	0.000004	< 0.000003	0.000005	0.000006	< 0.000003	< 0.000003	0.000010	0.000004
Cobalt [mg/L]	0.000029	0.000106	0.000146	0.000205	0.000268	0.000216	0.000120	0.000133	0.000108
Chromium [mg/L]	0.00005	0.00008	0.00019	0.00021	0.00023	0.00026	0.00032	0.00024	0.00037
Copper [mg/L]	0.00025	0.00287	0.00529	0.00467	0.00653	0.00570	0.00360	0.00381	0.00264
Iron [mg/L]	< 0.007	0.014	0.084	0.121	0.136	0.138	0.089	0.080	0.072
Potassium [mg/L]	6.96	11.5	10.3	8.80	8.82	9.01	10.9	8.00	8.35
Lithium [mg/L]	0.0008	0.0019	0.0031	0.0020	0.0025	0.0021	0.0029	0.0022	0.0023
Manganese [mg/L]	0.00079	0.00614	0.00428	0.00310	0.00542	0.00358	0.00150	0.00156	0.00128
Magnesium [mg/L]	2.19	3.54	2.11	1.53	1.76	1.56	1.24	1.36	1.44
Molybdenum [mg/L]	0.00158	0.00417	0.00359	0.00367	0.00413	0.00388	0.00317	0.00586	0.00346
Sodium [mg/L]	10.2	10.7	16.8	14.5	13.3	13.7	17.4	14.6	19.2
Nickel [mg/L]	0.0002	0.0006	0.0007	0.0007	0.0009	0.0007	0.0002	0.0004	0.0002
Phosphorus [mg/L]	0.006	0.011	0.028	0.032	0.036	0.035	0.045	0.052	0.062
Lead [mg/L]	0.00005	0.00005	0.00025	0.00032	0.00036	0.00036	0.00019	0.00021	0.00066
Antimony [mg/L]	0.0047	0.0008	0.0007	0.0007	0.0006	0.0007	0.0005	0.0007	0.0005
Selenium [mg/L]	0.00016	0.00045	0.00030	0.00020	0.00024	0.00021	0.00022	0.00020	0.00023
Silicon [mg/L]	2.72	2.24	2.47	2.70	2.28	2.49	3.32	3.23	3.45
Tin [mg/L]	0.00009	0.00010	0.00006	0.00003	0.00005	0.00004	0.00005	0.00009	0.00020
Strontium [mg/L]	0.0411	0.101	0.0707	0.0564	0.0669	0.0599	0.0484	0.0405	0.0430
Titanium [mg/L]	0.00007	0.00036	0.00297	0.00360	0.00394	0.00366	0.00647	0.00308	0.00357
Thallium [mg/L]	< 0.000005	0.000017	0.000006	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000010
Uranium [mg/L]	0.000318	0.000656	0.00126	0.000932	0.00126	0.00119	0.000737	0.000790	0.000631
Vanadium [mg/L]	0.00355	0.00098	0.00427	0.00505	0.00361	0.00466	0.0109	0.00856	0.0100
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Zirconium [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002



SGS Canada Inc.

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

Shake Flask Leach (3:1)

LR Report : CA15122-DEC16

Analysis	21: ME-ESK-004	22: ME-ESK-005	23: ME-ESK-005	24:BLK: \$D.I. Leachate Blank
Sample Date & Time	25-Nov-16 02:00	25-Nov-16 02:00		
Sample weight [g]	250	250	250	250
Volume D.I. Water [mL]	750	750	750	750
Initial pH	9.55	9.64	9.49	6.16
Final pH	9.12	9.17	9.16	5.69
Alkalinity [mg/L as CaCO ₃]	33	38	36	< 2
pH [no unit]	7.84	7.91	7.94	5.86
Conductivity [uS/cm]	173	165	162	< 2
Sulphate [mg/L]	32	19	19	2
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Silver [mg/L]	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Aluminum [mg/L]	0.454	0.614	0.622	0.001
Arsenic [mg/L]	0.0100	0.0123	0.0129	< 0.0002
Barium [mg/L]	0.00697	0.00723	0.00721	0.00009
Boron [mg/L]	0.034	0.036	0.038	< 0.002
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	9.26	7.54	7.51	0.04
Cadmium [mg/L]	0.000005	0.000005	0.000008	0.000003
Cobalt [mg/L]	0.000100	0.000183	0.000170	0.000008
Chromium [mg/L]	0.00032	0.00031	0.00033	< 0.00003
Copper [mg/L]	0.00348	0.00564	0.00494	0.00013
Iron [mg/L]	0.065	0.105	0.107	< 0.007
Potassium [mg/L]	7.53	8.01	8.29	0.161
Lithium [mg/L]	0.0025	0.0024	0.0024	< 0.0001
Manganese [mg/L]	0.00137	0.00203	0.00229	0.00034
Magnesium [mg/L]	1.99	1.50	1.55	0.005
Molybdenum [mg/L]	0.00489	0.00469	0.00512	0.00024
Sodium [mg/L]	13.6	15.2	15.6	0.06
Nickel [mg/L]	0.0008	0.0005	0.0006	< 0.0001
Phosphorus [mg/L]	0.056	0.058	0.049	< 0.003
Lead [mg/L]	0.00018	0.00027	0.00027	0.00004
Antimony [mg/L]	0.0006	0.0005	0.0005	< 0.0002
Selenium [mg/L]	0.00023	0.00019	0.00022	< 0.00004
Silicon [mg/L]	3.48	3.13	3.06	< 0.02
Tin [mg/L]	0.00019	0.00018	0.00014	0.00003



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Shake Flask Leach (3:1)

LR Report :

CA15122-DEC16

Analysis	21: ME-ESK-004	22: ME-ESK-005	23: ME-ESK-005	24:BLK: \$D.I. Leachate Blank
Strontium [mg/L]	0.0551	0.0491	0.0484	0.00016
Titanium [mg/L]	0.00242	0.00337	0.00300	0.00015
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	0.000833	0.00123	0.00112	0.000025
Vanadium [mg/L]	0.00936	0.00775	0.00706	0.00001
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002
Zirconium [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical



Report No. CA15120-DEC16
Customer Agnico Eagle Mines Limited
Attention Jeffrey Pratt
Reference PO#513894 - AEM-Meliadine Gold Project
Title Bulk Metals Final Report

Sample ID	Analysis	Units	Analysis Approval Date	Analysis Approval Time	ME-H-001	ME-C-001	ME-C-002	ME-C-003	ME-C-004	ME-ESK-001	ME-ESK-002	ME-ESK-003	ME-ESK-004	ME-ESK-005
Silver	µg/g	22-Dec-16	14:18	0.05	0.08	0.03	0.07	0.04	0.04	0.04	0.03	0.03	0.05	0.03
Aluminum	µg/g	22-Dec-16	9:52	72000	79000	79000	76000	74000	78000	79000	78000	74000	77000	
Arsenic	µg/g	22-Dec-16	14:18	26	3.1	2.8	3.3	5.8	2.6	2.5	2.7	2.1	2.9	
Barium	µg/g	22-Dec-16	14:18	510	620	550	590	570	830	550	530	480	470	
Beryllium	µg/g	22-Dec-16	14:18	0.83	1.3	1.1	1.4	1.2	1.2	1.2	1.1	0.93	1.2	
Bismuth	µg/g	22-Dec-16	14:18	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Calcium	µg/g	22-Dec-16	9:53	28000	22000	21000	19000	22000	25000	18000	21000	31000	22000	
Cadmium	µg/g	22-Dec-16	14:18	0.18	0.14	0.18	0.16	0.18	0.16	0.19	0.14	0.21	0.17	
Cobalt	µg/g	22-Dec-16	14:18	14	7.9	7.4	8.1	9.8	10	7.4	8.2	17	8.3	
Chromium	µg/g	22-Dec-16	14:18	140	100	110	130	110	100	110	110	180	120	
Copper	µg/g	22-Dec-16	14:18	32	16	18	25	18	13	19	19	29	20	
Iron	µg/g	22-Dec-16	9:53	39000	24000	22000	24000	29000	28000	22000	25000	43000	24000	
Potassium	µg/g	22-Dec-16	9:53	17000	21000	19000	20000	19000	20000	18000	18000	13000	17000	
Lithium	µg/g	22-Dec-16	14:18	21	17	15	17	16	27	16	16	11	15	
Magnesium	µg/g	22-Dec-16	9:53	15000	8200	8100	8200	10000	8800	7600	8600	18000	8900	
Manganese	µg/g	22-Dec-16	14:18	500	310	300	300	360	370	270	310	550	310	
Molybdenum	µg/g	22-Dec-16	14:18	1.2	0.8	1.2	0.7	1.3	0.6	1.6	0.7	2.0	0.9	
Sodium	µg/g	22-Dec-16	9:53	21000	32000	32000	30000	28000	31000	35000	33000	25000	33000	
Nickel	µg/g	22-Dec-16	14:18	43	17	17	18	23	18	19	18	47	22	
Phosphorus	µg/g	22-Dec-16	9:53	480	480	400	430	470	530	430	420	370	460	
Lead	µg/g	22-Dec-16	14:18	11	13	13	12	12	13	11	11	8.7	12	
Antimony	µg/g	22-Dec-16	14:18	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium	µg/g	22-Dec-16	14:18	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Tin	µg/g	22-Dec-16	14:18	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6
Strontium	µg/g	22-Dec-16	14:18	260	420	370	370	380	510	410	420	300	380	
Titanium	µg/g	22-Dec-16	14:18	1900	1900	1600	1800	2000	2500	1900	2000	2800	1800	
Thallium	µg/g	22-Dec-16	14:18	0.33	0.37	0.32	0.35	0.34	0.38	0.29	0.31	0.20	0.30	
Uranium	µg/g	22-Dec-16	14:18	0.85	1.3	1.2	1.1	1.2	1.6	1.2	1.2	0.87	1.5	
Vanadium	µg/g	22-Dec-16	14:18	90	49	45	52	64	75	46	54	88	51	
Yttrium	µg/g	22-Dec-16	14:18	8.2	8.4	7.2	6.9	9.0	8.9	11	7.3	11	8.2	
Zinc	µg/g	22-Dec-16	14:18	98	40	37	39	41	47	38	39	58	38	



Report No. CA15121-DEC16
Customer Agnico Eagle Mines Limited
Attention Jeffrey Pratt
Reference PO#513894 - AEM-Meliadine Gold Project
Title Whole rock
Final Report

Sample ID		ME-H-001	ME-C-001	ME-C-002	ME-C-003	ME-C-004	ME-ESK-001	ME-ESK-002	ME-ESK-003	ME-ESK-004	ME-ESK-005
Analysis	Units										
SiO2	%	63.9	68.8	69.2	70.4	69.1	68.2	69.9	69.2	65.9	68.8
Al2O3	%	13.9	14.8	15.0	14.6	14.2	15.1	15.1	14.9	14.0	14.8
Fe2O3	%	5.98	3.55	3.27	3.64	4.33	4.30	3.41	3.78	6.59	3.70
MgO	%	2.75	1.44	1.49	1.50	1.83	1.64	1.40	1.55	3.31	1.66
CaO	%	4.25	3.24	3.20	2.80	3.32	3.78	2.72	3.20	4.66	3.33
Na2O	%	2.98	4.24	4.35	4.05	3.83	4.37	4.84	4.54	3.44	4.60
K2O	%	1.78	2.05	1.89	2.04	1.92	2.06	1.79	1.78	1.36	1.73
TiO2	%	0.55	0.39	0.34	0.38	0.44	0.51	0.41	0.41	0.63	0.40
P2O5	%	0.13	0.13	0.11	0.11	0.12	0.14	0.11	0.11	0.10	0.12
MnO	%	0.08	0.04	0.05	0.04	0.06	0.05	0.04	0.05	0.08	0.05
Cr2O3	%	0.02	0.01	0.02	0.03	0.02	0.01	0.02	0.02	0.03	0.02
V2O5	%	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.01
LOI	%	4.78	1.63	2.23	1.73	1.90	1.35	1.36	1.41	0.98	1.99
Sum	%	101.2	100.3	101.1	101.3	101.1	101.4	101.1	101.0	101.1	101.2