



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

**Agnico Eagle Mines Limited**  
Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

MA110 ACISOL 1.0

PR8.5  
Annexe F

Projet d'ouverture et d'exploitation de la  
mine Akasaba Ouest à Val-d'Or

6211-08-016

29-August-2014

Date Rec. : 08 August 2014  
LR Report: CA15119-AUG14  
Reference: PO#396642

Copy: #1

## CERTIFICATE OF ANALYSIS

### Final Report

Sample ID	Sample weight g	Initial pH	Vol H2SO4 mL	H2SO4 Normality	NP kg CaCO3/tonne	AP kg CaCO3/tonne	NNP kg CaCO3/tonne	Sulphur (total) %	Acid Leachable SO4-S %	Sulphide %	Carbon (total) %	Carbonate %
3: Analysis Approval Date	28-Aug-14	28-Aug-14	28-Aug-14	28-Aug-14	28-Aug-14	---	---	26-Aug-14	---	26-Aug-14	26-Aug-14	26-Aug-14
4: Analysis Approval Time	13:50	13:50	13:50	13:50	13:50	---	---	16:13	---	16:13	08:57	08:57
5: AKA14-ENV-001	2.01	9.75	0.80	1.00	20	129	-108.8	4.12	1.42	2.70	0.393	1.40
6: AKA14-ENV-002	2.01	9.37	0.10	1.00	2.5	40.9	-38.4	1.31	0.39	0.92	0.053	0.090
7: AKA14-ENV-003	2.02	9.01	0.20	1.00	5.0	65.2	-60.2	2.09	0.35	1.74	0.017	< 0.005
8: AKA14-ENV-004	2.01	9.33	0.40	1.00	10	88.5	-78.5	2.83	0.52	2.31	0.023	< 0.005
9: AKA14-ENV-005	2.02	9.41	0.10	1.00	2.5	13.8	-11.3	0.441	0.12	0.32	0.036	0.015
10: AKA14-ENV-006	2.01	9.63	0.20	1.00	5.0	21.7	-16.7	0.693	0.10	0.59	0.030	< 0.005
11: AKA14-ENV-007	2.02	9.72	0.40	1.00	9.9	7.50	2.4	0.240	0.04	0.20	0.204	0.265
12: AKA14-ENV-008	2.04	9.84	0.70	1.00	17	1.75	15	0.056	0.02	0.04	0.159	0.679
13: AKA14-ENV-009	2.05	9.78	0.70	1.00	17	3.50	14	0.112	0.04	0.07	0.203	0.854
14: AKA14-ENV-010	2.00	9.77	0.40	1.00	10	2.72	7.3	0.087	0.05	0.04	0.104	0.430
15: AKA14-ENV-011	2.03	9.82	0.80	1.00	20	8.56	11	0.274	0.06	0.21	0.271	0.979
16: AKA14-ENV-012	2.01	9.81	0.50	1.00	12	1.09	11	0.035	0.02	0.01	0.098	0.370
17: AKA14-ENV-013	2.00	9.75	0.50	1.00	12	3.31	9.2	0.106	0.04	0.07	0.141	0.580
18: AKA14-ENV-014	2.04	9.74	0.90	1.00	22	21.1	1.0	0.674	0.10	0.57	0.440	1.41
19: AKA14-ENV-015	2.06	9.74	0.30	1.00	7.3	4.78	2.5	0.153	0.03	0.12	0.070	0.210
20: AKA14-ENV-016	2.03	9.70	0.70	1.00	17	7.84	9.4	0.251	0.03	0.22	0.150	0.624
21: AKA14-ENV-017	2.00	9.39	1.30	1.00	32	5.09	27	0.163	0.06	0.10	0.340	1.54
22: AKA14-ENV-018	2.04	9.16	0.50	1.00	12	7.12	5.2	0.228	0.06	0.17	0.078	0.270
23: AKA14-ENV-019	2.03	9.17	0.90	1.00	22	4.16	18	0.133	0.02	0.11	0.406	1.85



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LR Report : CA15119-AUG14

Sample ID	Sample weight g	Initial pH	Vol H2SO4 mL	H2SO4 Normality	NP kg CaCO3/tonne	AP kg CaCO3/tonne	NNP kg CaCO3/tonne	Sulphur (total) %	Acid Leachable SO4-S %	Sulphide %	Carbon (total) %	Carbonate %
24: AKA14-ENV-020	2.01	9.25	0.60	1.00	15	5.12	9.8	0.164	0.04	0.12	0.151	0.520
25: AKA14-ENV-021	2.02	9.22	0.70	1.00	17	17.6	-0.3	0.564	0.04	0.52	0.378	1.42
26: AKA14-ENV-022	2.02	8.97	1.20	1.00	30	15.6	14	0.498	0.07	0.43	0.251	0.809
27: AKA14-ENV-023	2.08	9.44	0.50	1.00	12	5.69	6.3	0.182	0.04	0.14	0.111	0.445
28: AKA14-ENV-024	2.01	9.21	0.40	1.00	10	2.91	7.1	0.093	0.05	0.04	0.102	0.470
29: AKA14-ENV-025	2.09	9.19	1.20	1.00	29	1.16	28	0.037	0.03	0.01	0.469	2.16
30: AKA14-ENV-026	2.00	9.38	0.40	1.00	10	2.09	7.9	0.067	0.03	0.04	0.162	0.694
31: AKA14-ENV-027	2.03	9.39	0.60	1.00	15	5.28	9.5	0.169	0.06	0.11	0.190	0.819
32: AKA14-ENV-028	2.03	8.85	0.80	1.00	20	4.00	16	0.128	0.04	0.09	0.298	1.26
33: AKA14-ENV-029	2.06	8.87	0.80	1.00	19	20.2	-0.8	0.648	< 0.01	0.64	0.333	1.33
34: AKA14-ENV-030	2.01	7.43	0.10	1.00	2.5	14.5	-12.0	0.463	0.02	0.44	0.019	0.040
35: AKA14-ENV-031	2.09	8.17	0.30	1.00	7.2	3.78	3.4	0.121	0.03	0.09	0.078	0.290
36: AKA14-ENV-032	2.01	6.92	0.20	1.00	5.0	13.7	-8.7	0.437	< 0.01	0.43	0.011	< 0.005
37: AKA14-ENV-033	2.01	7.02	0.20	1.00	5.0	8.06	-3.1	0.258	0.07	0.19	0.012	0.010
38: AKA14-ENV-034	2.02	7.45	0.10	1.00	2.5	19.4	-16.9	0.621	0.04	0.58	0.053	< 0.005
39: AKA14-ENV-035	2.06	8.13	0.60	1.00	15	31.2	-16.6	0.998	0.12	0.88	0.203	0.595
40: AKA14-ENV-036	2.08	7.57	0.20	1.00	4.8	16.3	-11.5	0.522	0.13	0.39	0.081	0.280
41: AKA14-ENV-037	2.05	9.21	0.50	1.00	12	14.8	-2.6	0.472	0.08	0.39	0.329	1.23
42: AKA14-ENV-038	2.02	7.80	0.10	1.00	2.5	19.9	-17.4	0.638	0.05	0.59	0.026	< 0.005
43: AKA14-ENV-039	2.09	9.05	1.30	1.00	31	15.0	16	0.479	0.04	0.44	0.463	1.76
44: AKA14-ENV-040	2.06	8.73	0.70	1.00	17	13.2	3.8	0.421	0.07	0.35	0.177	0.505
45: AKA14-ENV-041	2.06	8.46	1.60	1.00	39	2.19	37	0.070	0.03	0.04	0.530	2.44
46: AKA14-ENV-042	2.06	8.52	1.70	1.00	41	13.1	28	0.419	0.06	0.36	0.576	2.39
47: AKA14-ENV-043	2.08	7.90	0.30	1.00	7.2	6.62	0.6	0.212	0.06	0.15	0.136	0.600
48: AKA14-ENV-044	2.04	7.82	0.20	1.00	4.9	5.62	-0.7	0.180	0.04	0.14	0.046	0.030
49: AKA14-ENV-045	2.01	8.50	0.50	1.00	12	4.44	8.0	0.142	0.05	0.09	0.107	0.460
50: AKA14-ENV-046	2.02	8.45	0.90	1.00	22	15.4	6.9	0.493	0.10	0.39	0.385	1.59
51: AKA14-ENV-047	2.01	9.20	1.00	1.00	25	8.66	16	0.277	0.17	0.11	0.476	2.13
52: AKA14-ENV-048	2.06	9.20	0.70	1.00	17	8.59	8.4	0.275	0.04	0.23	0.435	1.97
53: AKA14-ENV-049	2.03	9.41	1.10	1.00	27	9.38	18	0.300	0.05	0.25	0.467	2.10
54: AKA14-ENV-050	2.04	9.31	1.00	1.00	24	7.38	17	0.236	0.06	0.18	0.380	1.73
55: AKA14-ENV-051	2.01	9.40	2.20	1.00	55	19.0	36	0.608	0.17	0.44	0.494	2.25
56: AKA14-ENV-052	2.03	9.42	0.50	1.00	12	2.88	9.4	0.092	0.03	0.06	0.260	1.17
57: AKA14-ENV-053	2.02	9.38	0.90	1.00	22	8.44	14	0.270	0.08	0.19	0.409	1.83
58: AKA14-ENV-054	2.01	9.31	1.40	1.00	35	7.91	27	0.253	0.07	0.18	0.589	2.67
59: AKA14-ENV-055	2.00	8.90	0.80	1.00	20	2.38	18	0.076	0.06	0.02	0.263	1.22
60: AKA14-ENV-056	2.01	9.20	0.50	1.00	12	5.06	7.3	0.162	0.05	0.11	0.284	1.25



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LR Report : CA15119-AUG14

Sample ID	Sample weight g	Initial pH	Vol H2SO4 mL	H2SO4 Normality	NP kg CaCO3/tonne	AP kg CaCO3/tonne	NNP kg CaCO3/tonne	Sulphur (total) %	Acid Leachable SO4-S %	Sulphide %	Carbon (total) %	Carbonate %
61: AKA14-ENV-057	2.02	8.84	0.70	1.00	17	11.0	6.3	0.352	0.04	0.31	0.297	1.25
62: AKA14-ENV-058	2.00	8.49	1.40	1.00	35	4.88	30	0.156	0.06	0.10	0.515	2.28
63: AKA14-ENV-059	2.00	8.50	2.60	1.00	65	1.44	64	0.046	0.04	0.01	0.757	3.57
64: AKA14-ENV-060	2.00	8.62	1.30	1.00	32	0.69	32	0.022	0.02	< 0.01	0.629	2.96
65: AKA14-ENV-061	2.00	8.87	1.10	1.00	28	3.38	24	0.108	0.02	0.09	0.464	2.09
66: AKA14-ENV-062	2.01	8.49	2.30	1.00	57	2.16	55	0.069	0.02	0.05	0.209	0.889
67: AKA14-ENV-063	2.02	8.98	0.60	1.00	15	8.69	6.2	0.278	0.05	0.23	0.342	1.45
68: AKA14-ENV-064	2.03	9.59	0.40	1.00	9.9	39.2	-29.4	1.26	0.27	0.99	0.115	0.400
69: AKA14-ENV-065	2.01	9.34	0.60	1.00	15	4.41	10	0.141	0.06	0.08	0.267	1.03
70: AKA14-ENV-066	2.00	7.34	0.30	1.00	7.5	10.3	-2.8	0.330	0.05	0.28	0.013	< 0.005
71: AKA14-ENV-067	2.00	7.13	0.20	1.00	5.0	8.25	-3.2	0.264	0.03	0.23	0.019	< 0.005
72: AKA14-ENV-068	2.00	9.62	0.40	1.00	10	1.38	8.6	0.044	< 0.01	0.04	0.168	0.729
73: AKA14-ENV-069	2.00	9.51	0.60	1.00	15	1.53	13	0.049	< 0.01	0.04	0.302	1.32
74: AKA14-ENV-070	2.02	8.97	0.60	1.00	15	5.22	9.7	0.167	0.05	0.12	0.152	0.595
75: AKA14-ENV-071	2.00	9.52	1.00	1.00	25	6.22	19	0.199	0.05	0.15	0.302	1.30
76: AKA14-ENV-072	2.01	8.77	0.50	1.00	12	2.09	10	0.067	< 0.01	0.06	0.133	0.560
77: AKA14-ENV-073	2.01	9.35	0.40	1.00	10	0.78	9.2	0.025	0.02	0.01	0.109	0.455
78: AKA14-ENV-074	2.01	8.85	0.50	1.00	12	2.84	9.6	0.091	0.02	0.07	0.287	1.26
79: AKA14-ENV-075	2.01	8.61	0.60	1.00	15	36.4	-21.5	1.16	0.35	0.81	0.299	1.13
80: AKA14-ENV-076	2.00	9.20	1.10	1.00	28	14.1	13	0.450	0.29	0.16	0.444	1.97
81: AKA14-ENV-077	2.01	9.49	1.10	1.00	27	14.3	13	0.459	0.08	0.38	0.516	2.40
82: AKA14-ENV-078	2.03	9.30	1.10	1.00	27	2.47	25	0.079	< 0.01	0.07	0.536	2.45
83: AKA14-ENV-079	2.01	9.37	1.00	1.00	25	2.91	22	0.093	0.06	0.03	0.300	1.30
84: AKA14-ENV-080	2.05	8.53	0.20	1.00	4.9	7.31	-2.4	0.234	0.09	0.14	0.063	0.210
85: AKA14-ENV-081	2.01	8.91	0.20	1.00	5.0	1.16	3.8	0.037	< 0.01	0.03	0.064	0.220
86: AKA14-ENV-082	2.01	8.75	0.20	1.00	5.0	2.66	2.3	0.085	0.04	0.05	0.085	0.310
87: AKA14-ENV-083	2.02	9.30	0.30	1.00	7.4	3.12	4.3	0.100	0.04	0.06	0.068	0.225
88: AKA14-ENV-084	2.02	8.86	0.20	1.00	5.0	1.66	3.3	0.053	0.02	0.03	0.079	0.305
89: AKA14-ENV-085	2.05	7.79	0.20	1.00	4.9	5.59	-0.7	0.179	0.02	0.16	0.042	0.130
90: AKA14-ENV-086	2.01	9.16	0.30	1.00	7.5	2.94	4.6	0.094	0.01	0.08	0.052	0.185



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MA110 ACISOL 1.0

LR Report : CA15119-AUG14

MA110 ACISOL 1.0

Gross NP (kg CaCO<sub>3</sub>/tonne) Section 7.3  
AP (kg CaCO<sub>3</sub>/tonne) = Total S x 31.25

ASTM E1918 - S and C speciation

  
  
Rob Irwin B.Sc., C.Chem.  
Technical Manager, Spectroscopy  
Environmental, Analytical Services



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, J0Y 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

13-March-2015

**Date Rec. :** 08 August 2014  
**LR Report:** CA15121-AUG14  
**Reference:** PO#396642  
  
**Copy:** #2

# CERTIFICATE OF ANALYSIS

## Final Report

Sample ID	Sample Date & Time	Sample weight g	pH Before	pH After	Ext Fluid #1 or #2	Ext Volume mL	Initial pH	Final pH	pH no unit	Conductivity µS/cm	Alkalinity mg/L as CaCO3	Cl mg/L	SO4 mg/L
3: Analysis Approval Date		29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	03-Sep-14	03-Sep-14	03-Sep-14	02-Sep-14	02-Sep-14
4: Analysis Approval Time		09:59	09:59	09:59	09:59	09:59	09:59	09:59	08:50	08:50	08:50	11:02	11:02
6: AKA14-ENV-001	Date:N/A	20	9.62	1.63	1.0	400	4.96	5.30	5.31	5760	1970	< 20	2.0
7: AKA14-ENV-002	Date:N/A	20	8.57	1.56	1.0	400	4.94	4.92	4.93	4700	1160	< 20	< 2
8: AKA14-ENV-003	Date:N/A	20	8.29	1.54	1.0	400	4.93	4.90	4.91	4690	1100	< 20	< 2
9: AKA14-ENV-004	Date:N/A	20	9.12	1.56	1.0	400	4.92	4.91	4.91	4750	1130	< 20	2.4
10: AKA14-ENV-005	Date:N/A	20	8.84	1.56	1.0	400	4.94	4.91	4.92	4670	1110	< 20	2.1
11: AKA14-ENV-006	Date:N/A	20	9.37	1.59	1.0	400	4.96	4.93	4.93	4730	1180	< 20	< 2
12: AKA14-ENV-007	Date:N/A	20	9.46	1.62	1.0	400	4.96	5.00	5.00	4980	1340	< 20	< 2
13: AKA14-ENV-008	Date:N/A	20	9.74	1.63	1.0	400	4.97	5.06	5.06	5150	1490	< 20	< 2
14: AKA14-ENV-009	Date:N/A	20	9.73	1.66	1.0	400	4.97	5.12	5.12	5380	1620	< 20	< 2
15: AKA14-ENV-010	Date:N/A	20	9.58	1.63	1.0	400	4.95	5.00	5.00	5030	1330	< 20	< 2
16: AKA14-ENV-011	Date:N/A	20	9.61	1.62	1.0	400	4.97	5.23	5.23	5470	1820	< 20	< 2
17: AKA14-ENV-012	Date:N/A	20	9.54	1.59	1.0	400	4.91	4.99	4.99	4880	1330	< 20	< 2
18: AKA14-ENV-013	Date:N/A	20	9.54	1.59	1.0	400	4.96	5.00	5.01	4900	1350	< 20	< 2
19: AKA14-ENV-014	Date:N/A	20	9.48	1.60	1.0	400	4.99	5.33	5.33	5770	2010	< 20	< 2
20: AKA14-ENV-015	Date:N/A	20	8.90	1.55	1.0	400	4.95	4.96	4.96	4770	1240	< 20	< 2
21: AKA14-ENV-016	Date:N/A	20	9.44	1.60	1.0	400	4.96	5.13	5.13	5170	1590	< 20	< 2
22: AKA14-ENV-017	Date:N/A	20	9.55	1.62	1.0	400	5.01	5.49	5.51	6070	2230	< 20	< 2
23: AKA14-ENV-018	Date:N/A	20	9.08	1.57	1.0	400	4.97	4.98	4.98	4900	1300	< 20	< 2
24: AKA14-ENV-019	Date:N/A	20	9.33	1.63	1.0	400	5.01	5.55	5.58	5980	2240	< 20	< 2



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Sample ID	Sample Date & Time	Sample weight g	pH Before	pH After	Ext Fluid #1 or #2	Ext Volume mL	Initial pH	Final pH	pH no unit	Conductivity µS/cm	Alkalinity mg/L as CaCO3	Cl mg/L	SO4 mg/L
25: AKA14-ENV-020	Date:N/A	20	9.52	1.60	1.0	400	4.94	5.38	5.06	5060	1450	< 20	< 2
26: AKA14-ENV-021	Date:N/A	20	9.64	1.65	1.0	400	5.00	5.05	5.39	5830	2080	< 20	< 2
27: AKA14-ENV-022	Date:N/A	20	9.19	1.60	1.0	400	4.97	5.13	5.14	5330	1670	< 20	< 2
28: AKA14-ENV-023	Date:N/A	20	8.92	1.55	1.0	400	4.95	5.01	5.02	4960	1390	< 20	< 2
29: AKA14-ENV-024	Date:N/A	20	9.35	1.59	1.0	400	4.97	5.06	5.07	5140	1490	< 20	< 2
30: AKA14-ENV-025	Date:N/A	20	9.80	1.70	1.0	400	4.98	5.54	5.57	6020	2280	< 20	< 2
31: AKA14-ENV-026	Date:N/A	20	9.16	1.56	1.0	400	4.96	5.03	5.04	5110	1460	< 20	< 2
32: AKA14-ENV-027	Date:N/A	20	9.39	1.59	1.0	400	4.95	5.20	5.21	5410	1760	< 20	< 2
33: AKA14-ENV-028	Date:N/A	20	9.48	1.59	1.0	400	4.97	5.22	5.23	5500	1810	< 20	< 2
34: AKA14-ENV-029	Date:N/A	20	9.61	1.61	1.0	400	4.97	5.23	5.23	5520	1840	< 20	< 2
35: AKA14-ENV-030	Date:N/A	20	8.51	1.53	1.0	400	4.86	4.93	4.93	4700	1160	< 20	< 2
36: AKA14-ENV-031	Date:N/A	20	9.63	1.57	1.0	400	4.95	5.04	5.04	5010	1310	< 20	< 2
37: AKA14-ENV-032	Date:N/A	20	8.44	1.53	1.0	400	4.88	4.91	4.92	4740	1150	< 20	2.7
38: AKA14-ENV-033	Date:N/A	20	8.08	1.52	1.0	400	4.89	4.91	4.92	4730	1120	< 20	2.6
39: AKA14-ENV-034	Date:N/A	20	9.18	1.54	1.0	400	4.93	4.92	4.92	4730	1140	< 20	< 2
40: AKA14-ENV-035	Date:N/A	20	9.53	1.58	1.0	400	4.97	5.09	5.10	5290	1530	< 20	< 2
41: AKA14-ENV-036	Date:N/A	20	8.85	1.55	1.0	400	4.93	5.02	5.04	5090	1440	< 20	< 2
42: AKA14-ENV-037	Date:N/A	20	9.62	1.64	1.0	400	5.05	5.34	5.33	5760	2030	< 20	< 2
43: AKA14-ENV-038	Date:N/A	20	9.12	1.59	1.0	400	5.03	4.97	4.96	4790	1240	< 20	< 2
44: AKA14-ENV-039	Date:N/A	20	9.60	1.67	1.0	400	5.07	5.51	5.51	6020	2270	< 20	< 2
45: AKA14-ENV-040	Date:N/A	20	9.39	1.62	1.0	400	5.05	5.21	5.20	5410	1780	< 20	< 2
46: AKA14-ENV-041	Date:N/A	20	9.85	1.77	1.0	400	5.09	6.23	6.74	6690	2840	< 20	< 2
47: AKA14-ENV-042	Date:N/A	20	9.69	1.69	1.0	400	5.02	5.52	5.52	6020	2290	< 20	< 2
48: AKA14-ENV-043	Date:N/A	20	9.02	1.58	1.0	400	4.98	5.02	5.01	4900	1370	< 20	< 2
49: AKA14-ENV-044	Date:N/A	20	9.09	1.58	1.0	400	4.99	4.98	4.97	4850	1280	< 20	< 2
50: AKA14-ENV-045	Date:N/A	20	9.48	1.69	1.0	400	4.94	5.06	5.06	5130	1510	< 20	< 2
51: AKA14-ENV-046	Date:N/A	20	9.68	1.76	1.0	400	5.01	5.38	5.39	5840	2120	< 20	< 2
52: AKA14-ENV-047	Date:N/A	20	9.65	1.66	1.0	400	5.06	5.46	5.47	5930	2220	< 20	< 2
53: AKA14-ENV-048	Date:N/A	20	9.85	1.80	1.0	400	5.04	5.43	5.44	5920	2170	< 20	< 2
54: AKA14-ENV-049	Date:N/A	20	9.48	1.74	1.0	400	4.95	5.71	5.75	6320	2480	< 20	< 2
55: AKA14-ENV-050	Date:N/A	20	9.67	1.76	1.0	400	5.01	5.52	5.53	6010	2290	< 20	< 2
56: AKA14-ENV-051	Date:N/A	20	9.79	1.76	1.0	400	4.97	5.43	5.44	5910	2190	< 20	< 2
57: AKA14-ENV-052	Date:N/A	20	9.80	1.73	1.0	400	4.96	5.23	5.23	5570	1860	< 20	< 2
58: AKA14-ENV-053	Date:N/A	20	9.82	1.75	1.0	400	4.95	5.19	5.19	5450	1760	< 20	< 2
59: AKA14-ENV-054	Date:N/A	20	9.88	1.84	1.0	400	4.98	5.59	5.61	6200	2400	< 20	< 2
60: AKA14-ENV-055	Date:N/A	20	9.88	1.78	1.0	400	4.96	5.50	5.52	6000	2270	< 20	< 2



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Lakefield - Ontario - KOL 2H0  
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LR Report : CA15121-AUG14

Sample ID	Sample Date & Time	Sample weight g	pH Before	pH After	Ext Fluid #1 or #2	Ext Volume mL	Initial pH	Final pH	pH no unit	Conductivity µS/cm	Alkalinity mg/L as CaCO3	Cl mg/L	SO4 mg/L
61: AKA14-ENV-056	Date:N/A	20	9.65	1.75	1.0	400	4.97	5.31	5.32	5690	1960	< 20	< 2
62: AKA14-ENV-057	Date:N/A	20	9.43	1.73	1.0	400	4.95	5.32	5.32	5730	2020	< 20	< 2
63: AKA14-ENV-058	Date:N/A	20	9.72	1.77	1.0	400	4.97	5.75	5.80	6300	2530	< 20	< 2
64: AKA14-ENV-059	Date:N/A	20	9.74	1.85	1.0	400	4.95	5.91	6.04	6470	2640	< 20	< 2
65: AKA14-ENV-060	Date:N/A	20	9.77	1.84	1.0	400	4.94	5.84	5.93	6350	2550	< 20	< 2
66: AKA14-ENV-061	Date:N/A	20	9.85	1.84	1.0	400	5.00	5.79	5.85	6330	2550	< 20	2.4
67: AKA14-ENV-062	Date:N/A	20	9.65	1.76	1.0	400	4.94	5.14	5.15	5350	1700	< 20	< 2
68: AKA14-ENV-063	Date:N/A	20	9.71	1.59	1.0	400	4.98	5.29	5.30	5620	1990	< 20	< 2
69: AKA14-ENV-064	Date:N/A	20	9.86	1.62	1.0	400	4.95	5.14	5.13	5260	1650	< 20	< 2
70: AKA14-ENV-065	Date:N/A	20	9.45	1.62	1.0	400	4.95	5.24	5.26	5540	1890	< 20	< 2
71: AKA14-ENV-066	Date:N/A	20	8.40	1.55	1.0	400	5.02	4.93	4.94	4630	1180	< 20	< 2
72: AKA14-ENV-067	Date:N/A	20	8.95	1.57	1.0	400	5.01	4.93	4.93	4760	1220	< 20	< 2
73: AKA14-ENV-068	Date:N/A	20	9.45	1.61	1.0	400	4.96	5.40	5.42	5910	2150	< 20	< 2
74: AKA14-ENV-069	Date:N/A	20	9.79	1.62	1.0	400	4.97	5.27	5.26	5640	1920	< 20	< 2
75: AKA14-ENV-070	Date:N/A	20	9.69	1.58	1.0	400	4.99	5.03	5.03	5000	1410	< 20	< 2
76: AKA14-ENV-071	Date:N/A	20	9.95	1.67	1.0	400	5.07	5.39	5.41	5860	2130	< 20	< 2
77: AKA14-ENV-072	Date:N/A	20	9.71	1.59	1.0	400	5.04	5.00	5.00	4930	1340	< 20	< 2
78: AKA14-ENV-073	Date:N/A	20	9.42	1.57	1.0	400	4.97	5.07	5.08	5120	1510	< 20	< 2
79: AKA14-ENV-074	Date:N/A	20	9.70	1.61	1.0	400	4.97	5.38	5.40	5840	2080	< 20	< 2
80: AKA14-ENV-075	Date:N/A	20	9.90	1.67	1.0	400	4.95	5.48	5.50	6010	2270	< 20	< 2
81: AKA14-ENV-076	Date:N/A	20	9.72	1.62	1.0	400	4.96	5.64	5.68	6200	2410	< 20	< 2
82: AKA14-ENV-077	Date:N/A	20	9.84	1.72	1.0	400	4.96	5.56	5.60	6120	2380	< 20	< 2
83: AKA14-ENV-078	Date:N/A	20	9.87	1.80	1.0	400	4.97	5.55	5.57	6000	2320	< 20	< 2
84: AKA14-ENV-079	Date:N/A	20	9.80	1.72	1.0	400	4.96	5.19	5.21	5450	1820	< 20	< 2
85: AKA14-ENV-080	Date:N/A	20	9.08	1.58	1.0	400	4.94	4.97	4.98	4790	1280	< 20	< 2
86: AKA14-ENV-081	Date:N/A	20	8.26	1.57	1.0	400	4.93	4.96	4.96	4800	1260	< 20	< 2
87: AKA14-ENV-082	Date:N/A	20	9.49	1.60	1.0	400	4.94	5.09	5.10	5170	1590	< 20	< 2
88: AKA14-ENV-083	Date:N/A	20	7.14	1.56	1.0	400	4.93	4.98	4.97	4800	1270	< 20	2.0
89: AKA14-ENV-084	Date:N/A	20	9.01	1.60	1.0	400	4.94	5.04	5.04	5030	1470	< 20	< 2
90: AKA14-ENV-085	Date:N/A	20	7.35	1.56	1.0	400	4.93	4.95	4.96	4830	1250	< 20	< 2
91: AKA14-ENV-086	Date:N/A	20	8.10	1.56	1.0	400	4.92	4.99	5.00	4960	1350	< 20	< 2



**SGS Canada Inc.**

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

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LR Report :

CA15121-AUG14

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





SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, J0Y 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

13-March-2015

Date Rec. : 08 August 2014  
LR Report: CA15121-AUG14  
Reference: PO#396642

Copy: #2

# CERTIFICATE OF ANALYSIS

## Final Report

Sample ID	NO2 as N mg/L	NO3 as N mg/L	Br mg/L	Tot.Reactive P mg/L	F mg/L	Hg mg/L	Al mg/L	As mg/L	Ag mg/L	Ba mg/L	Be mg/L	B mg/L
3: Analysis Approval Date	02-Sep-14	02-Sep-14	02-Sep-14	02-Sep-14	03-Sep-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14
4: Analysis Approval Time	11:02	11:02	11:02	08:41	16:31	15:02	13:59	13:59	13:59	15:03	13:59	13:59
6: AKA14-ENV-001	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.234	0.0019	< 0.000002	0.0603	0.000689	0.0012
7: AKA14-ENV-002	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.595	0.0021	< 0.000002	0.0421	0.000308	0.0006
8: AKA14-ENV-003	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.722	0.0011	< 0.000002	0.0563	0.000264	0.0007
9: AKA14-ENV-004	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.638	0.0005	< 0.000002	0.0624	0.000310	0.0007
10: AKA14-ENV-005	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.428	0.0046	< 0.000002	0.0833	0.000210	0.0009
11: AKA14-ENV-006	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.280	0.0020	< 0.000002	0.161	0.000209	0.0007
12: AKA14-ENV-007	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.551	0.0010	< 0.000002	0.198	0.000313	0.0009
13: AKA14-ENV-008	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.597	0.0099	< 0.000002	0.357	0.000390	0.0008
14: AKA14-ENV-009	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.490	0.0055	< 0.000002	0.290	0.000388	0.0009
15: AKA14-ENV-010	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.627	0.0101	< 0.000002	0.361	0.000669	0.0008
16: AKA14-ENV-011	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.416	0.0011	< 0.000002	0.0305	0.000212	0.0038
17: AKA14-ENV-012	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.711	0.0013	< 0.000002	0.0293	0.000167	0.0031
18: AKA14-ENV-013	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.796	0.0018	0.000004	0.0474	0.000130	0.0030
19: AKA14-ENV-014	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.235	0.0008	< 0.000002	0.132	0.000076	< 0.0002
20: AKA14-ENV-015	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.947	0.0010	< 0.000002	0.0229	0.000107	0.0010
21: AKA14-ENV-016	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	1.20	0.0020	< 0.000002	0.0197	0.000145	< 0.0002
22: AKA14-ENV-017	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.263	0.0017	< 0.000002	0.0304	0.000137	< 0.0002
23: AKA14-ENV-018	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.879	0.0058	< 0.000002	0.214	0.000172	0.0002
24: AKA14-ENV-019	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.122	0.0054	< 0.000002	0.435	0.000093	< 0.0002



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Sample ID	NO2 as N mg/L	NO3 as N mg/L	Br mg/L	Tot.Reactive P mg/L	F mg/L	Hg mg/L	Al mg/L	As mg/L	Ag mg/L	Ba mg/L	Be mg/L	B mg/L
25: AKA14-ENV-020	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.792	0.0031	< 0.000002	0.620	0.000200	< 0.0002
26: AKA14-ENV-021	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.271	0.0017	< 0.000002	0.354	0.000130	0.0009
27: AKA14-ENV-022	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.610	0.0022	< 0.000002	0.199	0.000141	< 0.0002
28: AKA14-ENV-023	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.918	0.0011	< 0.000002	0.0727	0.000364	< 0.0002
29: AKA14-ENV-024	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.905	0.0035	< 0.000002	0.0826	0.000343	< 0.0002
30: AKA14-ENV-025	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.148	0.0045	< 0.000002	0.0950	0.000181	< 0.0002
31: AKA14-ENV-026	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.965	0.0012	< 0.000002	0.0457	0.000219	< 0.0002
32: AKA14-ENV-027	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.704	0.0011	< 0.000002	0.0474	0.000188	< 0.0002
33: AKA14-ENV-028	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.601	0.0012	0.000003	0.0568	0.000242	< 0.0002
34: AKA14-ENV-029	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.497	0.0007	< 0.000002	0.0458	0.000290	< 0.0002
35: AKA14-ENV-030	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	1.12	0.0006	< 0.000002	0.0437	0.000462	< 0.0002
36: AKA14-ENV-031	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	1.05	0.0011	< 0.000002	0.0274	0.000224	< 0.0002
37: AKA14-ENV-032	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	1.18	0.0041	< 0.000002	0.0272	0.000447	< 0.0002
38: AKA14-ENV-033	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	1.04	0.0006	< 0.000002	0.0303	0.000492	< 0.0002
39: AKA14-ENV-034	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.700	0.0024	< 0.000002	0.0384	0.000272	< 0.0002
40: AKA14-ENV-035	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.562	0.0012	< 0.000002	0.0474	0.000178	< 0.0002
41: AKA14-ENV-036	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.984	0.0009	< 0.000002	0.0698	0.000270	< 0.0002
42: AKA14-ENV-037	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.330	0.0035	< 0.000002	0.0745	0.000193	0.0018
43: AKA14-ENV-038	< 0.3	< 0.6	< 3	< 0.03	0.07	< 0.00001	0.468	0.0044	< 0.000002	0.119	0.000313	0.0009
44: AKA14-ENV-039	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.124	0.0011	< 0.000002	0.112	0.000235	0.0008
45: AKA14-ENV-040	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.256	0.0015	< 0.000002	0.0969	0.000184	0.0008
46: AKA14-ENV-041	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.0252	0.0018	< 0.000002	0.258	0.000039	0.0007
47: AKA14-ENV-042	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.276	0.0011	< 0.000002	0.147	0.000123	0.0008
48: AKA14-ENV-043	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	1.39	0.0008	< 0.000002	0.0203	0.000085	0.0010
49: AKA14-ENV-044	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	2.00	0.0004	< 0.000002	0.0567	0.000161	0.0021
50: AKA14-ENV-045	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	1.53	0.0007	< 0.000002	0.0261	0.000232	0.0022
51: AKA14-ENV-046	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.410	0.0015	< 0.000002	0.0481	0.000263	0.0009
52: AKA14-ENV-047	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.321	0.0019	< 0.000002	0.0467	0.000111	0.0019
53: AKA14-ENV-048	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.378	0.0008	< 0.000002	0.0395	0.000122	0.0011
54: AKA14-ENV-049	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.0927	0.0011	< 0.000002	0.0761	0.000108	0.0008
55: AKA14-ENV-050	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.247	0.0020	< 0.000002	0.0721	0.000140	0.0007
56: AKA14-ENV-051	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.250	0.0012	< 0.000002	0.0360	0.000263	0.0008
57: AKA14-ENV-052	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.704	0.0010	< 0.000002	0.0419	0.000224	0.0013
58: AKA14-ENV-053	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.806	0.0007	< 0.000002	0.0318	0.000185	0.0011
59: AKA14-ENV-054	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.149	0.0086	< 0.000002	0.0436	0.000191	0.0013
60: AKA14-ENV-055	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.273	0.0048	< 0.000002	0.0430	0.000139	0.0009



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61: AKA14-ENV-056	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.250	0.0030	< 0.000002	0.248	0.000233	0.0007
62: AKA14-ENV-057	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.242	0.0045	< 0.000002	0.166	0.000234	0.0009
63: AKA14-ENV-058	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.0750	0.0013	< 0.000002	0.205	0.000140	0.0009
64: AKA14-ENV-059	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.0393	0.0018	< 0.000002	0.0389	0.000052	0.0014
65: AKA14-ENV-060	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.0624	0.0026	< 0.000002	0.0373	0.000089	0.0012
66: AKA14-ENV-061	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.0494	0.0018	< 0.000002	0.230	0.000080	0.0011
67: AKA14-ENV-062	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.751	0.0010	< 0.000002	0.120	0.000061	0.0012
68: AKA14-ENV-063	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.728	0.0008	< 0.000002	0.0290	0.000137	0.0014
69: AKA14-ENV-064	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.790	0.0011	< 0.000002	0.0453	0.000214	0.0009
70: AKA14-ENV-065	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.530	0.0012	< 0.000002	0.0499	0.000125	0.0008
71: AKA14-ENV-066	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.850	0.0008	< 0.000002	0.0208	0.000291	0.0010
72: AKA14-ENV-067	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.543	0.0011	< 0.000002	0.0370	0.000258	0.0009
73: AKA14-ENV-068	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.465	0.0012	< 0.000002	0.0248	0.000161	0.0011
74: AKA14-ENV-069	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.653	0.0010	< 0.000002	0.0285	0.000141	0.0012
75: AKA14-ENV-070	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.761	0.0007	< 0.000002	0.0806	0.000062	0.0014
76: AKA14-ENV-071	< 0.3	< 0.6	< 3	< 0.03	< 0.06	0.00001	0.356	0.0011	0.000009	0.0775	0.000148	0.0009
77: AKA14-ENV-072	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.913	0.0011	< 0.000002	0.0449	0.000293	0.0009
78: AKA14-ENV-073	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.946	0.0010	< 0.000002	0.0476	0.000286	0.0012
79: AKA14-ENV-074	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.360	0.0009	< 0.000002	0.0407	0.000213	0.0007
80: AKA14-ENV-075	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.177	0.0014	< 0.000002	0.0533	0.000189	0.0010
81: AKA14-ENV-076	< 0.3	< 0.6	< 3	< 0.03	< 0.06	0.00001	0.0888	0.0036	< 0.000002	0.0498	0.000108	0.0012
82: AKA14-ENV-077	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.133	0.0016	< 0.000002	0.0496	0.000194	0.0034
83: AKA14-ENV-078	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.181	0.0012	< 0.000002	0.0430	0.000185	0.0011
84: AKA14-ENV-079	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.575	0.0008	< 0.000002	0.0523	0.000393	0.0008
85: AKA14-ENV-080	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	1.000	0.0009	< 0.000002	0.0378	0.000385	0.0013
86: AKA14-ENV-081	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.737	0.0016	< 0.000002	0.156	0.000189	0.0019
87: AKA14-ENV-082	< 0.3	< 0.6	< 3	< 0.03	< 0.06	0.00001	0.644	0.0025	< 0.000002	0.146	0.000221	0.0018
88: AKA14-ENV-083	< 0.3	< 0.6	< 3	< 0.03	< 0.06	0.00001	0.751	0.0027	< 0.000002	0.143	0.000210	0.0013
89: AKA14-ENV-084	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.687	0.0037	< 0.000002	0.315	0.000293	0.0008
90: AKA14-ENV-085	< 0.3	< 0.6	< 3	< 0.03	< 0.06	< 0.00001	0.725	0.0012	< 0.000002	0.132	0.000215	0.0006
91: AKA14-ENV-086	< 0.3	< 0.6	< 3	< 0.03	< 0.06	0.00001	0.725	0.0009	< 0.000002	0.137	0.000202	0.0006



**SGS Canada Inc.**

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

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LR Report :

CA15121-AUG14

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



SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, J0Y 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

13-March-2015

Date Rec. : 08 August 2014  
LR Report: CA15121-AUG14  
Reference: PO#396642  
Copy: #2

# CERTIFICATE OF ANALYSIS

## Final Report

Sample ID	Bi mg/L	Ca mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	K mg/L	Li mg/L	Mg mg/L	Mn mg/L	Mo mg/L	Na mg/L
3: Analysis Approval Date	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14
4: Analysis Approval Time	13:59	15:06	13:59	13:59	13:59	13:59	15:05	15:05	13:58	15:05	15:05	13:59	15:05
6: AKA14-ENV-001	0.000114	350	0.000298	0.00120	0.00204	0.0388	0.266	6.32	0.000917	3.19	1.15	0.00043	1300
7: AKA14-ENV-002	0.000306	37.2	0.000229	0.000709	0.00564	0.0350	0.508	4.17	0.000785	0.870	0.174	0.00171	1310
8: AKA14-ENV-003	0.000119	10.6	0.000252	0.00184	0.00421	0.0635	0.666	6.50	0.00120	1.00	0.0516	0.00300	1320
9: AKA14-ENV-004	0.000082	17.8	0.000126	0.00351	0.00311	1.27	0.819	5.43	0.00122	1.28	0.0643	0.00069	1300
10: AKA14-ENV-005	0.000359	22.4	0.000164	0.00273	0.00425	0.101	1.53	13.5	0.00168	1.59	0.125	0.00147	1310
11: AKA14-ENV-006	0.000202	42.0	0.000022	0.00362	0.00319	0.103	1.08	30.3	0.00226	1.78	0.0966	0.00125	1300
12: AKA14-ENV-007	0.000103	98.9	0.000096	0.00420	0.00445	0.0243	10.6	42.5	0.00260	1.46	0.962	0.00079	1300
13: AKA14-ENV-008	< 0.000007	158	0.000108	0.00213	0.00538	0.00313	1.86	40.4	0.00234	1.14	1.05	0.00512	1280
14: AKA14-ENV-009	0.000010	214	0.000087	0.00195	0.00491	0.00245	1.67	40.8	0.00222	1.28	1.52	0.00469	1280
15: AKA14-ENV-010	< 0.000007	102	0.000058	0.00201	0.00673	0.00270	2.32	46.0	0.00279	1.20	0.793	0.00421	1280
16: AKA14-ENV-011	< 0.000007	290	0.000174	0.00368	0.00648	0.507	1.16	3.89	0.000480	1.68	2.14	0.00053	1290
17: AKA14-ENV-012	< 0.000007	92.5	0.000028	0.00252	0.01517	0.00552	2.13	10.4	0.00120	2.08	0.710	0.00120	1300
18: AKA14-ENV-013	< 0.000007	105	0.000023	0.00256	0.01144	0.0339	2.11	10.2	0.00107	1.88	1.05	0.00058	1310
19: AKA14-ENV-014	0.000007	354	0.000075	0.00355	0.00377	0.0180	1.20	24.1	0.00134	1.26	3.20	0.00019	1300
20: AKA14-ENV-015	< 0.000007	63.1	0.000023	0.00320	0.01562	0.0349	1.55	5.18	0.000370	2.30	0.593	0.00123	1280
21: AKA14-ENV-016	< 0.000007	218	0.000039	0.00199	0.00392	0.00983	1.23	2.65	0.000850	1.68	1.28	0.00034	1300
22: AKA14-ENV-017	< 0.000007	440	0.000050	0.00218	0.00209	0.00241	1.17	4.72	0.000762	2.26	2.38	0.00043	1290
23: AKA14-ENV-018	< 0.000007	79.7	0.000027	0.00300	0.00628	0.00125	2.17	47.5	0.00214	1.28	0.493	0.00154	1270
24: AKA14-ENV-019	0.000010	461	0.000117	0.00358	0.00180	0.00210	3.51	65.9	0.00209	2.44	3.68	0.00095	1310



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P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
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25: AKA14-ENV-020	< 0.000007	153	0.000038	0.00366	0.00508	0.00221	2.09	41.9	0.00147	1.21	0.888	0.00102	1300
26: AKA14-ENV-021	< 0.000007	367	0.000077	0.00303	0.00455	0.00482	3.56	57.5	0.00163	3.28	3.51	0.00060	1260
27: AKA14-ENV-022	< 0.000007	221	0.000066	0.00280	0.00469	0.00457	2.36	45.3	0.00124	1.33	1.64	0.00072	1370
28: AKA14-ENV-023	< 0.000007	122	0.000109	0.00365	0.00504	0.338	1.66	11.8	0.00131	1.95	0.654	0.00035	1380
29: AKA14-ENV-024	< 0.000007	151	0.000080	0.00269	0.00767	0.00697	2.31	12.8	0.00145	2.32	1.12	0.00322	1410
30: AKA14-ENV-025	< 0.000007	486	0.000113	0.00294	0.00227	0.00341	4.79	7.10	0.00132	4.05	2.44	0.00203	1400
31: AKA14-ENV-026	< 0.000007	128	0.000017	0.00110	0.00404	0.00537	1.03	3.03	0.000620	1.08	0.729	0.00117	1430
32: AKA14-ENV-027	< 0.000007	271	0.000082	0.00148	0.00407	0.0106	1.00	4.14	0.000881	1.56	0.976	0.00100	1340
33: AKA14-ENV-028	< 0.000007	283	0.000026	0.00131	0.00383	0.00790	1.04	4.20	0.000546	1.22	1.03	0.00122	1330
34: AKA14-ENV-029	0.000069	296	0.000348	0.00212	0.00278	0.126	0.939	4.32	0.000725	1.65	1.51	0.00083	1360
35: AKA14-ENV-030	0.000012	25.8	0.000431	0.00727	0.00560	0.162	1.13	6.04	0.00131	1.37	0.126	0.00052	1380
36: AKA14-ENV-031	0.000020	131	0.000193	0.00516	0.00338	0.0364	1.73	3.44	0.000896	1.22	0.710	0.00050	1370
37: AKA14-ENV-032	0.000021	9.00	0.000351	0.00718	0.00742	0.0644	1.13	3.87	0.00143	1.59	0.0539	0.00123	1390
38: AKA14-ENV-033	0.000011	11.3	0.000218	0.00611	0.00611	0.457	1.22	4.19	0.00135	1.61	0.0777	0.00069	1400
39: AKA14-ENV-034	0.000308	14.4	0.000471	0.00484	0.00464	0.207	3.59	5.56	0.00107	1.24	0.169	0.00169	1380
40: AKA14-ENV-035	0.000156	186	0.000106	0.00157	0.00340	0.129	1.03	5.91	0.000622	1.38	0.795	0.00090	1380
41: AKA14-ENV-036	0.000066	114	0.000130	0.00252	0.00473	0.327	2.53	16.2	0.00197	1.98	0.652	0.00068	1380
42: AKA14-ENV-037	0.000025	330	0.000111	0.00311	0.00332	0.0235	1.53	29.2	0.00153	1.96	1.28	0.00164	1370
43: AKA14-ENV-038	0.000207	27.6	0.000075	0.01192	0.00339	0.0567	1.63	40.6	0.00259	2.23	0.202	0.00226	1290
44: AKA14-ENV-039	0.000041	446	0.000392	0.00871	0.00180	0.0855	2.09	37.7	0.00158	2.33	3.00	0.00220	1410
45: AKA14-ENV-040	0.000034	235	0.000035	0.00314	0.00314	0.157	1.65	25.7	0.00151	1.60	1.55	0.00193	1320
46: AKA14-ENV-041	< 0.000007	639	0.000094	0.00414	0.00118	0.00304	2.52	24.8	0.000850	3.35	7.46	0.00068	1320
47: AKA14-ENV-042	< 0.000007	418	0.000107	0.00308	0.00315	0.00513	2.01	31.9	0.00109	2.10	2.97	0.00112	1300
48: AKA14-ENV-043	< 0.000007	72.7	0.000026	0.00160	0.00666	0.00651	0.554	1.95	0.000373	0.936	0.303	0.00080	1330
49: AKA14-ENV-044	< 0.000007	37.3	0.000022	0.00170	0.00719	0.0112	1.26	4.57	0.000972	1.79	0.180	0.00046	1320
50: AKA14-ENV-045	< 0.000007	116	0.000026	0.00200	0.00660	0.00989	1.40	5.97	0.000782	1.48	0.682	0.00071	1310
51: AKA14-ENV-046	0.000007	364	0.000107	0.00172	0.00297	0.00893	1.32	4.48	0.000984	1.90	1.07	0.00051	1340
52: AKA14-ENV-047	0.000013	403	0.000070	0.00202	0.00281	0.00252	1.93	4.53	0.00111	1.76	1.61	0.00054	1310
53: AKA14-ENV-048	0.000093	385	0.000079	0.00127	0.00298	0.00329	1.70	2.81	0.000833	1.76	1.66	0.00055	1320
54: AKA14-ENV-049	< 0.000007	510	0.000187	0.00290	0.00177	0.00583	2.29	6.46	0.00123	2.79	4.24	0.00112	1340
55: AKA14-ENV-050	< 0.000007	433	0.000229	0.00266	0.00329	0.00289	3.70	5.04	0.00121	3.03	3.94	0.00108	1340
56: AKA14-ENV-051	0.000014	388	0.000055	0.00150	0.00220	0.00302	0.677	4.52	0.000621	2.03	1.32	0.00079	1300
57: AKA14-ENV-052	< 0.000007	264	0.000019	0.00125	0.00392	0.00578	0.816	3.24	0.000820	1.25	0.980	0.00082	1310
58: AKA14-ENV-053	< 0.000007	218	0.000040	0.00109	0.00355	0.0113	1.31	2.62	0.000726	1.24	0.775	0.00079	1300
59: AKA14-ENV-054	< 0.000007	459	0.000102	0.00139	0.00192	0.00361	3.15	4.43	0.000779	2.87	2.19	0.00103	1320
60: AKA14-ENV-055	< 0.000007	423	0.000148	0.00441	0.00897	0.00258	3.19	2.80	0.00192	4.60	3.39	0.00012	1330



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61: AKA14-ENV-056	0.000016	320	0.000180	0.00256	0.00389	0.00335	2.40	48.1	0.00221	2.20	1.89	0.00075	1320
62: AKA14-ENV-057	0.000891	329	0.000305	0.00180	0.00284	0.00553	1.30	26.7	0.00139	2.53	1.54	0.00076	1330
63: AKA14-ENV-058	0.000156	508	0.000294	0.00183	0.00190	0.00310	2.66	32.5	0.00145	2.30	2.76	0.00052	1280
64: AKA14-ENV-059	0.000037	559	0.000117	0.00340	0.00159	0.00360	2.01	2.57	0.000240	3.33	7.00	0.00035	1300
65: AKA14-ENV-060	< 0.000007	547	0.000221	0.00242	0.00312	0.00270	2.20	3.93	0.000768	3.30	4.03	0.00037	1310
66: AKA14-ENV-061	0.000013	522	0.000086	0.00478	0.00146	0.00448	3.21	30.8	0.000828	3.25	6.30	0.00074	1300
67: AKA14-ENV-062	0.000007	188	0.000039	0.00274	0.01152	0.0146	2.66	18.6	0.000879	3.01	1.92	0.00052	1310
68: AKA14-ENV-063	< 0.000007	298	0.000042	0.00184	0.00404	0.0202	0.499	3.66	0.000771	1.77	1.87	0.00057	1270
69: AKA14-ENV-064	0.000058	199	0.000187	0.00230	0.00389	0.102	1.35	7.43	0.00147	1.84	0.788	0.00242	1300
70: AKA14-ENV-065	0.000026	271	0.000169	0.00128	0.00366	0.0240	1.80	4.48	0.000515	1.41	0.926	0.00113	1290
71: AKA14-ENV-066	< 0.000007	7.84	0.000075	0.00668	0.00313	0.695	0.737	4.95	0.000899	1.07	0.0722	0.00041	1290
72: AKA14-ENV-067	0.000009	16.8	0.000166	0.06344	0.00248	1.29	0.539	4.95	0.000755	1.10	0.522	0.00243	1300
73: AKA14-ENV-068	< 0.000007	376	0.000282	0.00199	0.00318	0.0104	2.64	2.52	0.000900	2.06	3.08	0.00034	1320
74: AKA14-ENV-069	< 0.000007	286	0.000153	0.00304	0.00389	0.00919	2.63	4.47	0.000753	1.72	2.56	0.00041	1300
75: AKA14-ENV-070	< 0.000007	94.8	0.000034	0.00686	0.00949	0.294	2.38	15.7	0.000409	2.46	0.827	0.00035	1330
76: AKA14-ENV-071	< 0.000007	367	0.000195	0.00356	0.00411	0.0462	2.48	6.09	0.00153	2.54	3.34	0.00071	1310
77: AKA14-ENV-072	< 0.000007	73.1	0.000020	0.00122	0.00445	0.0546	0.748	4.49	0.000850	1.11	0.625	0.00055	1310
78: AKA14-ENV-073	< 0.000007	140	0.000029	0.00127	0.00689	0.0169	1.38	3.17	0.00119	1.35	1.22	0.00084	1290
79: AKA14-ENV-074	< 0.000007	359	0.000110	0.00170	0.00312	0.00785	1.94	3.35	0.000831	1.81	2.69	0.00041	1300
80: AKA14-ENV-075	0.000095	420	0.000130	0.00152	0.00183	0.0485	0.247	5.43	0.000769	1.67	1.65	0.00073	1320
81: AKA14-ENV-076	< 0.000007	487	0.000079	0.00153	0.00146	0.00560	0.890	4.49	0.000962	2.43	1.38	0.00027	1320
82: AKA14-ENV-077	0.000012	453	0.000109	0.00158	0.00158	0.00866	2.30	5.95	0.000743	4.22	2.08	0.00013	1320
83: AKA14-ENV-078	< 0.000007	443	0.000085	0.00183	0.00251	0.00831	1.79	5.76	0.000809	2.00	2.46	0.00085	1300
84: AKA14-ENV-079	< 0.000007	243	0.000046	0.00151	0.00470	0.00683	1.79	2.18	0.000864	1.89	1.72	0.00031	1330
85: AKA14-ENV-080	< 0.000007	55.3	0.000019	0.00109	0.00560	0.0114	0.673	3.78	0.000958	0.964	0.373	0.00060	1300
86: AKA14-ENV-081	< 0.000007	40.0	0.000036	0.00097	0.00790	0.00543	1.04	12.9	0.000703	1.13	0.348	0.00091	1340
87: AKA14-ENV-082	< 0.000007	160	0.000037	0.00162	0.00754	0.00858	1.15	12.3	0.000726	1.60	0.684	0.00109	1290
88: AKA14-ENV-083	< 0.000007	52.3	0.000020	0.00120	0.00972	0.00743	1.04	12.2	0.000764	1.14	0.329	0.00170	1300
89: AKA14-ENV-084	< 0.000007	113	0.000035	0.00300	0.00755	0.0298	1.78	25.9	0.00102	1.88	1.11	0.00118	1310
90: AKA14-ENV-085	< 0.000007	28.5	0.000053	0.00300	0.00735	0.126	0.895	11.3	0.000780	1.18	0.253	0.00054	1300
91: AKA14-ENV-086	< 0.000007	73.1	0.000014	0.00138	0.00657	0.00846	0.804	9.55	0.000588	1.05	0.522	0.00065	1320



**SGS Canada Inc.**

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

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LR Report :

CA15121-AUG14

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





SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, J0Y 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

13-March-2015

Date Rec. : 08 August 2014  
LR Report: CA15121-AUG14  
Reference: PO#396642

Copy: #2

# CERTIFICATE OF ANALYSIS

## Final Report

Sample ID	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L	V mg/L	Zn mg/L
3: Analysis Approval Date	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14	29-Aug-14
4: Analysis Approval Time	13:59	15:05	13:59	13:59	13:59	15:05	13:59	15:05	13:59	14:00	14:00	14:00	14:00
6: AKA14-ENV-001	0.0038	0.012	0.02142	0.0016	0.001	1.16	0.00020	0.310	0.00011	0.000005	0.00135	< 0.00001	0.030
7: AKA14-ENV-002	0.0018	0.009	0.00432	0.0020	< 0.001	1.44	0.00007	0.0807	0.00014	< 0.000005	0.000550	0.00019	0.038
8: AKA14-ENV-003	0.0023	0.016	0.00472	0.0025	< 0.001	1.84	0.00012	0.0618	0.00018	< 0.000005	0.000649	0.00029	0.026
9: AKA14-ENV-004	0.0024	0.038	0.00079	0.0021	< 0.001	2.00	0.00020	0.0750	0.00021	< 0.000005	0.000489	0.00021	0.027
10: AKA14-ENV-005	0.0050	0.024	0.00402	0.0035	< 0.001	2.32	0.00007	0.0716	0.00024	0.000059	0.000879	0.00031	0.023
11: AKA14-ENV-006	0.0047	0.011	0.00073	0.0026	0.001	3.32	0.00008	0.206	0.00023	0.000113	0.00107	0.00034	0.019
12: AKA14-ENV-007	0.0053	0.012	0.00106	0.0021	< 0.001	2.61	0.00004	0.265	0.00033	0.000280	0.000970	0.00035	0.020
13: AKA14-ENV-008	0.0046	0.025	0.00004	0.0017	< 0.001	1.64	0.00016	0.284	0.00075	0.000155	0.00120	0.00146	0.018
14: AKA14-ENV-009	0.0048	0.018	0.00004	0.0028	< 0.001	1.67	0.00009	0.313	0.00059	0.000175	0.00132	0.00114	0.015
15: AKA14-ENV-010	0.0040	0.036	0.00006	0.0027	< 0.001	1.68	0.00010	0.200	0.00071	0.000150	0.00120	0.00161	0.017
16: AKA14-ENV-011	0.0094	0.009	< 0.00001	0.0008	< 0.001	2.15	0.00008	0.0311	0.00029	0.000034	0.000100	0.00016	0.017
17: AKA14-ENV-012	0.0108	< 0.009	< 0.00001	0.0006	< 0.001	2.49	0.00011	0.0197	0.00090	0.000135	0.000035	0.00171	0.012
18: AKA14-ENV-013	0.0093	< 0.009	< 0.00001	0.0006	< 0.001	2.53	0.00004	0.0204	0.00075	0.000109	0.000032	0.00112	0.007
19: AKA14-ENV-014	0.0076	< 0.009	0.00002	0.0006	< 0.001	1.07	0.00013	0.0851	0.00024	0.000160	0.000123	< 0.00001	0.004
20: AKA14-ENV-015	0.0105	0.019	0.00002	0.0009	< 0.001	2.77	0.00006	0.0118	0.00088	0.000062	0.000072	0.00118	0.005
21: AKA14-ENV-016	0.0052	0.014	0.00003	0.0006	< 0.001	1.70	0.00008	0.0326	0.00033	< 0.000005	0.000042	< 0.00001	0.004
22: AKA14-ENV-017	0.0095	0.015	0.00001	0.0006	0.001	1.59	0.00010	0.0719	0.00015	< 0.000005	0.000010	< 0.00001	0.003
23: AKA14-ENV-018	0.0040	0.010	0.00002	0.0009	< 0.001	1.99	0.00009	0.0254	0.00079	0.000162	0.000118	0.00083	0.003
24: AKA14-ENV-019	0.0104	0.013	0.00003	0.0006	< 0.001	1.59	0.00019	0.126	0.00031	0.000247	0.000069	0.00042	0.004



SGS Canada Inc.

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

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Sample ID	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L	V mg/L	Zn mg/L
25: AKA14-ENV-020	0.0051	0.014	0.00002	0.0007	< 0.001	1.70	0.00015	0.0506	0.00072	0.000201	0.000114	0.00078	0.014
26: AKA14-ENV-021	0.0132	0.012	0.00003	0.0006	< 0.001	1.92	0.00010	0.0636	0.00035	0.000234	0.000019	0.00043	0.005
27: AKA14-ENV-022	0.0064	0.022	0.00002	0.0005	< 0.001	1.47	0.00045	0.0795	0.00059	0.000178	0.000165	0.00040	0.003
28: AKA14-ENV-023	0.0073	0.017	0.00002	0.0008	0.001	1.92	0.00007	0.0968	0.00046	0.000114	0.000823	0.00009	0.005
29: AKA14-ENV-024	0.0096	0.014	0.00007	0.0008	< 0.001	1.96	0.00009	0.231	0.00039	0.000105	0.00166	0.00012	0.008
30: AKA14-ENV-025	0.0131	< 0.009	0.00959	0.0006	0.001	1.45	0.00012	2.05	< 0.00005	0.000007	0.00112	< 0.00001	0.004
31: AKA14-ENV-026	0.0038	0.014	0.00003	0.0005	< 0.001	1.45	0.00006	0.0931	0.00028	< 0.000005	0.000283	< 0.00001	0.004
32: AKA14-ENV-027	0.0061	< 0.009	0.00005	0.0006	< 0.001	1.67	0.00022	0.137	0.00013	0.000005	0.000361	< 0.00001	0.006
33: AKA14-ENV-028	0.0058	0.010	0.00002	0.0007	< 0.001	1.39	0.00011	0.153	0.00022	0.000007	0.000305	0.00013	0.003
34: AKA14-ENV-029	0.0065	< 0.009	0.00012	0.0005	< 0.001	1.39	0.00010	0.162	< 0.00005	0.000007	0.000871	< 0.00001	0.010
35: AKA14-ENV-030	0.0065	0.011	0.00003	0.0006	< 0.001	2.24	0.00009	0.0392	0.00033	0.000010	0.00118	0.00036	0.016
36: AKA14-ENV-031	0.0049	0.017	0.00003	0.0005	< 0.001	1.60	0.00019	0.0631	0.00041	0.000006	0.000279	0.00030	0.006
37: AKA14-ENV-032	0.0076	< 0.009	0.00003	0.0010	< 0.001	2.26	0.00008	0.0283	0.00028	0.000007	0.000875	0.00021	0.012
38: AKA14-ENV-033	0.0055	0.016	0.00001	0.0009	0.001	2.14	0.00008	0.0285	0.00027	0.000007	0.000620	0.00018	0.008
39: AKA14-ENV-034	0.0074	0.013	0.09182	0.0014	0.003	2.05	0.00010	0.0791	0.00009	0.000013	0.00201	0.00024	0.029
40: AKA14-ENV-035	0.0054	< 0.009	0.01168	0.0010	< 0.001	1.70	0.00015	0.266	0.00008	0.000009	0.000828	0.00001	0.013
41: AKA14-ENV-036	0.0063	0.009	0.00906	0.0010	< 0.001	1.87	0.00012	0.220	0.00036	0.000109	0.00598	0.00028	0.011
42: AKA14-ENV-037	0.0159	0.021	0.00024	0.0026	< 0.001	1.36	0.00005	0.335	0.00019	0.000254	0.000570	0.00043	0.080
43: AKA14-ENV-038	0.0076	0.040	0.00269	0.0046	0.001	2.45	0.00012	0.0527	0.00014	0.000211	0.00365	0.00061	0.006
44: AKA14-ENV-039	0.0122	< 0.009	0.00396	0.0022	< 0.001	1.35	0.00004	0.985	< 0.00005	0.000202	0.000904	0.00005	0.006
45: AKA14-ENV-040	0.0067	< 0.009	0.00139	0.0023	0.001	1.37	0.00015	0.319	0.00017	0.000099	0.000737	0.00057	0.008
46: AKA14-ENV-041	0.0139	< 0.009	0.00004	0.0026	< 0.001	1.35	0.00007	0.213	0.00023	0.000198	0.000085	0.00033	0.003
47: AKA14-ENV-042	0.0093	< 0.009	0.00003	0.0021	< 0.001	1.11	0.00007	0.120	0.00013	0.000206	0.000090	0.00015	0.004
48: AKA14-ENV-043	0.0027	< 0.009	0.00003	0.0017	< 0.001	1.49	0.00004	0.0329	0.00048	< 0.000005	0.000028	0.00019	0.015
49: AKA14-ENV-044	0.0025	0.011	0.00003	0.0012	< 0.001	2.27	0.00005	0.0278	0.00039	< 0.000005	0.000066	< 0.00001	0.004
50: AKA14-ENV-045	0.0038	0.010	0.00005	0.0014	< 0.001	1.93	0.00007	0.0248	0.00035	0.000007	0.000063	0.00002	0.004
51: AKA14-ENV-046	0.0078	< 0.009	0.00011	0.0014	< 0.001	1.20	0.00005	0.221	< 0.00005	< 0.000005	0.000257	< 0.00001	0.003
52: AKA14-ENV-047	0.0099	< 0.009	0.00102	0.0018	< 0.001	1.14	0.00003	0.210	< 0.00005	< 0.000005	0.000362	< 0.00001	0.002
53: AKA14-ENV-048	0.0080	0.012	0.00086	0.0020	< 0.001	0.96	0.00004	0.249	< 0.00005	< 0.000005	0.000209	< 0.00001	0.002
54: AKA14-ENV-049	0.0124	< 0.009	0.00100	0.0013	< 0.001	1.10	0.00002	0.825	< 0.00005	0.000006	0.00164	< 0.00001	0.003
55: AKA14-ENV-050	0.0111	< 0.009	0.00456	0.0012	< 0.001	1.05	0.00002	0.913	< 0.00005	0.000006	0.00206	< 0.00001	0.004
56: AKA14-ENV-051	0.0080	< 0.009	0.00022	0.0021	< 0.001	1.07	0.00003	0.287	< 0.00005	< 0.000005	0.000451	< 0.00001	0.002
57: AKA14-ENV-052	0.0056	0.014	0.00005	0.0013	< 0.001	1.27	0.00002	0.185	0.00014	< 0.000005	0.000189	< 0.00001	0.003
58: AKA14-ENV-053	0.0048	0.009	0.00004	0.0021	< 0.001	1.06	0.00003	0.116	< 0.00005	< 0.000005	0.000213	< 0.00001	0.002
59: AKA14-ENV-054	0.0092	< 0.009	0.00130	0.0016	< 0.001	1.02	0.00038	0.379	< 0.00005	< 0.000005	0.000153	< 0.00001	0.002
60: AKA14-ENV-055	0.0267	< 0.009	0.00087	0.0013	< 0.001	1.58	0.00003	0.556	< 0.00005	0.000008	0.000336	< 0.00001	0.004



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Sample ID	Ni mg/L	P mg/L	Pb mg/L	Sb mg/L	Se mg/L	Si mg/L	Sn mg/L	Sr mg/L	Ti mg/L	Tl mg/L	U mg/L	V mg/L	Zn mg/L
61: AKA14-ENV-056	0.0098	0.010	0.00095	0.0018	< 0.001	1.52	0.00003	0.701	0.00017	0.000219	0.00103	0.00127	0.003
62: AKA14-ENV-057	0.0088	0.018	0.04121	0.0016	0.002	1.41	0.00002	0.746	0.00009	0.000099	0.000815	0.00048	0.003
63: AKA14-ENV-058	0.0112	< 0.009	0.00197	0.0016	< 0.001	1.18	0.00003	1.09	0.00010	0.000158	0.001636	0.00058	0.003
64: AKA14-ENV-059	0.0152	0.014	0.00004	0.0018	< 0.001	1.55	0.00003	0.104	< 0.00005	0.000026	0.000089	0.00008	0.004
65: AKA14-ENV-060	0.0146	< 0.009	0.00015	0.0012	< 0.001	1.01	0.00002	0.378	< 0.00005	0.000009	0.000008	0.00007	0.004
66: AKA14-ENV-061	0.0126	0.011	0.00005	0.0021	< 0.001	1.46	0.00003	0.149	0.00009	0.000207	0.000113	0.00038	0.003
67: AKA14-ENV-062	0.0088	< 0.009	0.00004	0.0016	< 0.001	1.97	0.00002	0.0394	0.00043	0.000137	0.000020	0.00096	0.005
68: AKA14-ENV-063	0.0070	< 0.009	0.00003	0.0017	< 0.001	1.50	0.00002	0.0655	0.00011	< 0.000005	0.000065	< 0.00001	0.004
69: AKA14-ENV-064	0.0078	< 0.009	0.00026	0.0018	< 0.001	1.81	0.00003	0.142	< 0.00005	0.000009	0.000990	< 0.00001	0.005
70: AKA14-ENV-065	0.0065	0.018	0.00235	0.0023	< 0.001	1.01	0.00002	0.313	< 0.00005	0.000008	0.000343	0.00011	0.004
71: AKA14-ENV-066	0.0023	0.012	0.00004	0.0016	< 0.001	1.79	0.00002	0.0289	0.00023	0.000006	0.000502	0.00016	0.004
72: AKA14-ENV-067	0.0030	0.039	0.00006	0.0024	0.005	1.81	0.00002	0.0380	0.00010	0.000006	0.000905	0.00021	0.003
73: AKA14-ENV-068	0.0086	0.010	0.00003	0.0017	< 0.001	1.19	0.00002	0.244	0.00007	< 0.000005	0.000093	< 0.00001	0.004
74: AKA14-ENV-069	0.0079	0.013	0.00003	0.0017	< 0.001	1.05	0.00002	0.185	0.00024	0.000019	0.000069	0.00014	0.003
75: AKA14-ENV-070	0.0089	0.011	0.00004	0.0013	< 0.001	2.35	0.00002	0.0210	0.00046	0.000133	0.000041	0.00074	0.007
76: AKA14-ENV-071	0.0109	0.013	0.00172	0.0016	< 0.001	1.22	0.00002	0.660	< 0.00005	0.000010	0.00420	< 0.00001	0.009
77: AKA14-ENV-072	0.0025	0.013	0.00005	0.0014	< 0.001	1.42	0.00009	0.0884	0.00023	0.000005	0.000268	0.00006	0.009
78: AKA14-ENV-073	0.0043	0.013	0.00003	0.0016	< 0.001	1.47	0.00002	0.101	0.00008	< 0.000005	0.000228	0.00001	0.016
79: AKA14-ENV-074	0.0083	< 0.009	0.00004	0.0021	< 0.001	1.08	0.00002	0.251	< 0.00005	< 0.000005	0.000186	< 0.00001	0.086
80: AKA14-ENV-075	0.0092	0.013	0.00124	0.0018	< 0.001	1.04	0.00003	0.259	< 0.00005	0.000007	0.000413	< 0.00001	0.046
81: AKA14-ENV-076	0.0102	0.010	0.00009	0.0014	< 0.001	1.06	0.00002	0.242	< 0.00005	< 0.000005	0.000137	< 0.00001	0.004
82: AKA14-ENV-077	0.0100	0.010	0.00137	0.0021	< 0.001	0.99	0.00004	0.491	< 0.00005	< 0.000005	0.000149	< 0.00001	0.004
83: AKA14-ENV-078	0.0103	< 0.009	0.00010	0.0024	< 0.001	1.07	0.00010	0.324	< 0.00005	0.000005	0.000727	< 0.00001	0.004
84: AKA14-ENV-079	0.0061	0.016	0.00002	0.0012	< 0.001	1.22	0.00002	0.312	0.00012	< 0.000005	0.00116	0.00005	0.004
85: AKA14-ENV-080	0.0024	0.009	0.00003	0.0017	< 0.001	1.59	0.00002	0.0928	0.00028	< 0.000005	0.000286	0.00006	0.006
86: AKA14-ENV-081	0.0039	0.021	0.00008	0.0019	< 0.001	1.42	0.00005	0.0602	0.00046	0.000027	0.000087	0.00079	0.006
87: AKA14-ENV-082	0.0085	0.012	0.00006	0.0020	< 0.001	1.47	0.00004	0.139	0.00038	0.000022	0.000316	0.00082	0.006
88: AKA14-ENV-083	0.0052	0.013	0.00002	0.0015	< 0.001	1.46	0.00001	0.0710	0.00045	0.000023	0.000236	0.00075	0.005
89: AKA14-ENV-084	0.0095	0.016	0.00003	0.0018	< 0.001	1.63	0.00002	0.154	0.00043	0.000082	0.000285	0.00083	0.004
90: AKA14-ENV-085	0.0067	0.019	0.00006	0.0011	< 0.001	1.50	0.00006	0.0399	0.00041	0.000034	0.000658	0.00064	0.006
91: AKA14-ENV-086	0.0050	0.016	0.00006	0.0012	< 0.001	1.46	0.00004	0.0504	0.00052	0.000014	0.000549	0.00086	0.004



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
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LR Report :

CA15121-AUG14

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



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

## Agnico Eagle Mines Limited

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

02-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15122-AUG14  
Reference: PO#396642

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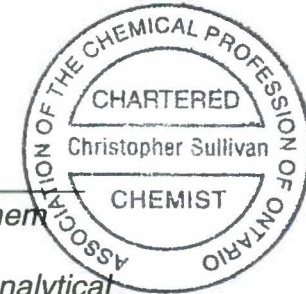
## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA14-ENV-00 1	6: AKA14-ENV-00 2	7: AKA14-ENV-00 3	8: AKA14-ENV-00 4	9: AKA14-ENV-00 5	10: AKA14-ENV-00 6	11: AKA14-ENV-00 7	12: AKA14-ENV-00 8
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20-Aug-14	15:20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	20-Aug-14	15:20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	20-Aug-14	15:20	400	400	400	400	400	400	400	400
Initial pH	20-Aug-14	15:20	8.80	5.43	5.24	5.62	6.09	6.74	6.87	8.33
Final pH	20-Aug-14	15:20	8.61	8.50	7.82	8.62	9.09	9.18	9.39	9.36
pH [no unit]	02-Sep-14	12:35	7.75	7.72	6.99	7.46	7.31	7.91	7.74	7.85
Conductivity [µS/cm]	02-Sep-14	12:35	71	55	27	43	40	62	53	53
Alkalinity [mg/L as CaCO3]	02-Sep-14	12:35	28	23	6	13	11	26	23	23
Chloride [mg/L]	29-Aug-14	11:07	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Sulphate [mg/L]	29-Aug-14	11:07	3.8	3.2	3.3	3.8	3.5	3.3	3.0	3.0
Nitrite (as N) [mg/L]	29-Aug-14	11:07	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	29-Aug-14	11:07	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	29-Aug-14	11:07	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	29-Aug-14	10:31	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoride [mg/L]	02-Sep-14	07:29	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Mercury [mg/L]	29-Aug-14	09:49	< 0.00001	< 0.00001	< 0.00001	0.00005	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	28-Aug-14	15:26	0.49	0.61	0.18	0.35	0.38	0.30	0.62	0.82
Arsenic [mg/L]	28-Aug-14	13:45	0.0026	0.0015	0.0003	0.0007	0.0074	0.0034	0.0014	0.0051
Silver [mg/L]	28-Aug-14	13:45	0.000020	0.000009	0.000011	0.000025	0.000007	0.000005	0.000007	< 0.000002
Barium [mg/L]	28-Aug-14	13:45	0.00136	0.00157	0.00198	0.00201	0.00238	0.00386	0.00351	0.00597
Beryllium [mg/L]	28-Aug-14	13:45	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA14-ENV-00 1	6: AKA14-ENV-00 2	7: AKA14-ENV-00 3	8: AKA14-ENV-00 4	9: AKA14-ENV-00 5	10: AKA14-ENV-00 6	11: AKA14-ENV-00 7	12: AKA14-ENV-00 8
Boron [mg/L]	28-Aug-14	13:45	0.0010	0.0005	0.0006	0.0005	0.0007	0.0007	0.0005	0.0004
Bismuth [mg/L]	28-Aug-14	13:45	0.000022	< 0.000007	< 0.000007	0.000016	0.000017	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	28-Aug-14	15:26	9.23	7.91	2.57	5.79	4.88	7.98	5.90	5.83
Cadmium [mg/L]	28-Aug-14	13:45	0.000006	< 0.000003	0.000016	0.000005	0.000006	< 0.000003	< 0.000003	0.000008
Cobalt [mg/L]	28-Aug-14	13:45	0.000022	0.000029	0.000026	0.000053	0.000029	0.000047	0.000031	0.000034
Chromium [mg/L]	28-Aug-14	13:45	0.00005	< 0.00003	< 0.00003	0.00003	< 0.00003	0.00008	0.00007	0.00007
Copper [mg/L]	28-Aug-14	13:45	0.00088	0.00053	0.00076	0.00273	0.00238	0.00300	0.00098	0.00058
Iron [mg/L]	28-Aug-14	15:26	0.017	0.032	0.046	0.093	0.049	0.076	0.052	0.056
Potassium [mg/L]	28-Aug-14	15:26	2.41	1.68	2.65	1.64	2.69	5.67	5.00	5.46
Lithium [mg/L]	28-Aug-14	13:45	0.000362	0.000274	0.000241	0.000506	0.000764	0.000944	0.000881	0.000929
Magnesium [mg/L]	28-Aug-14	15:25	0.348	0.261	0.253	0.379	0.316	0.266	0.252	0.275
Manganese [mg/L]	28-Aug-14	15:25	0.0009	0.0012	0.0029	0.0011	0.0006	0.0009	0.0011	0.0010
Molybdenum [mg/L]	28-Aug-14	13:46	0.00132	0.00235	0.00455	0.00140	0.00464	0.00273	0.00081	0.00547
Sodium [mg/L]	28-Aug-14	15:26	0.78	1.13	0.80	0.72	1.07	0.63	1.13	1.49
Nickel [mg/L]	28-Aug-14	13:46	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001
Lead [mg/L]	28-Aug-14	15:25	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.007	< 0.007
Sulfur [mg/L]	28-Aug-14	15:25	3.18	8.64	1.95	2.97	1.85	2.07	1.77	1.32
Antimony [mg/L]	28-Aug-14	13:46	0.0011	0.0009	0.0011	0.0012	0.0075	0.0018	0.0010	0.0012
Selenium [mg/L]	28-Aug-14	13:46	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001
Silicon [mg/L]	28-Aug-14	15:25	1.51	1.99	1.56	2.17	2.73	4.57	2.54	2.53
Tin [mg/L]	28-Aug-14	13:46	0.00004	0.00006	0.00011	0.00002	0.00001	0.00002	0.00003	0.00002
Titanium [mg/L]	28-Aug-14	13:46	0.00048	0.00092	0.00081	0.00285	0.00399	0.00356	0.00244	0.00318
Thallium [mg/L]	28-Aug-14	13:46	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000006	< 0.000005	< 0.000005
Uranium [mg/L]	28-Aug-14	13:46	0.000074	0.000032	0.000013	0.000014	0.000022	0.000157	0.000085	0.000095
Vanadium [mg/L]	28-Aug-14	13:46	0.00051	0.00069	0.00030	0.00058	0.00170	0.00235	0.00208	0.00271
Zinc [mg/L]	28-Aug-14	15:26	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.002	< 0.002	< 0.002

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical





SGS Canada Inc.

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

**Agnico Eagle Mines Limited**  
Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

02-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15122-AUG14  
Reference: PO#396642

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	13: AKA14-ENV-00 9	14: AKA14-ENV-01 0	15: AKA14-ENV-01 1	16: AKA14-ENV-01 2	17: AKA14-ENV-01 3	18: AKA14-ENV-01 4	19: AKA14-ENV-01 5	20: AKA14-ENV-01 6	21: AKA14-ENV-01 7	22: AKA14-ENV-01 8
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400
Initial pH	8.03	8.07	7.93	6.55	6.65	6.86	5.72	7.21	9.14	5.98
Final pH	9.38	9.50	9.72	9.75	9.62	9.37	9.74	9.41	9.32	9.40
pH [no unit]	7.76	7.81	7.82	7.97	8.13	7.83	7.77	7.77	7.84	7.77
Conductivity [µS/cm]	54	52	47	49	49	54	49	45	47	51
Alkalinity [mg/L as CaCO3]	23	23	21	23	23	28	23	21	23	22
Chloride [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Sulphate [mg/L]	3.2	3.0	2.5	2.1	2.2	3.1	2.3	2.2	2.4	2.2
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoride [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	0.75	0.71	0.70	0.75	0.76	0.47	0.84	1.06	1.06	1.00
Arsenic [mg/L]	0.0041	0.0040	0.0015	0.0012	0.0016	0.0007	0.0010	0.0007	0.0009	0.0029
Silver [mg/L]	< 0.000002	0.000002	< 0.000002	< 0.000002	0.000002	0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002
Barium [mg/L]	0.00507	0.00943	0.00089	0.00071	0.00116	0.00251	0.00069	0.00036	0.00023	0.00501
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007



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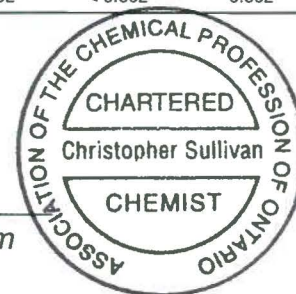
P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

LR Report : CA15122-AUG14

Analysis	13: AKA14-ENV-00 9	14: AKA14-ENV-01 0	15: AKA14-ENV-01 1	16: AKA14-ENV-01 2	17: AKA14-ENV-01 3	18: AKA14-ENV-01 4	19: AKA14-ENV-01 5	20: AKA14-ENV-01 6	21: AKA14-ENV-01 7	22: AKA14-ENV-01 8
Boron [mg/L]	0.0005	0.0004	0.0024	0.0021	0.0019	0.0002	0.0012	0.0008	0.0011	0.0009
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	6.14	5.43	7.64	6.89	7.04	7.26	7.22	7.37	7.40	4.91
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000012
Cobalt [mg/L]	0.000027	0.000035	0.000055	0.000077	0.000044	0.000035	0.000103	0.000016	0.000016	0.000047
Chromium [mg/L]	0.00009	0.00011	0.00070	0.00048	0.00034	< 0.00003	0.00070	0.00004	< 0.00003	< 0.00003
Copper [mg/L]	0.00059	0.00059	0.00052	0.00038	0.00034	0.00034	0.00070	0.00029	0.00016	0.00037
Iron [mg/L]	0.059	0.075	0.044	0.080	0.054	0.009	0.106	0.015	0.007	0.089
Potassium [mg/L]	5.05	5.92	0.496	1.94	1.97	2.60	1.04	0.929	1.56	7.45
Lithium [mg/L]	0.000863	0.000982	0.000203	0.000376	0.000397	0.000405	0.000155	0.000156	0.000216	0.000834
Magnesium [mg/L]	0.253	0.286	0.580	0.732	0.668	0.267	0.898	0.384	0.402	0.251
Manganese [mg/L]	0.0013	0.0013	0.0013	0.0022	0.0014	0.0007	0.0035	0.0004	0.0005	0.0010
Molybdenum [mg/L]	0.00545	0.00455	0.00083	0.00079	0.00088	0.00029	0.00069	0.00031	0.00037	0.00068
Sodium [mg/L]	1.38	1.27	0.85	1.02	0.73	1.45	0.63	1.09	1.04	0.34
Nickel [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0002	< 0.0001	< 0.0001	0.0003	< 0.0001	< 0.0001	< 0.0001
Lead [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.008	0.008	< 0.007	< 0.007
Sulfur [mg/L]	1.39	1.62	3.26	0.95	1.98	7.47	1.43	3.33	2.52	3.48
Antimony [mg/L]	0.0012	0.0012	0.0007	0.0006	0.0008	0.0005	0.0007	0.0006	0.0005	0.0007
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silicon [mg/L]	2.60	2.35	2.90	3.50	3.14	2.49	3.63	1.97	1.90	2.66
Tin [mg/L]	0.00004	0.00002	0.00002	< 0.00001	< 0.00001	< 0.00001	0.00003	0.00006	0.00003	0.00003
Titanium [mg/L]	0.00332	0.00456	0.00121	0.00275	0.00170	0.00019	0.00459	0.00057	0.00021	0.00456
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005	0.000007	0.000012	0.000007	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	0.000110	0.000052	0.000005	0.000002	0.000002	0.000008	< 0.000002	< 0.000002	< 0.000002	0.000009
Vanadium [mg/L]	0.00243	0.00248	0.00408	0.00584	0.00543	0.00078	0.00646	0.00117	0.00150	0.00219
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.002

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical







SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
 , JOY 1C0  
 Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

02-September-2014

**Date Rec. :** 08 August 2014  
**LR Report:** CA15122-AUG14  
**Reference:** PO#396642  
**Copy:** #1

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	23:	24:	25:	26:	27:	28:	29:	30:	31:	32:	33:
	AKA14-ENV-01 9	AKA14-ENV-02 0	AKA14-ENV-02 1	AKA14-ENV-02 2	AKA14-ENV-02 3	AKA14-ENV-02 4	AKA14-ENV-02 5	AKA14-ENV-02 6	AKA14-ENV-02 7	AKA14-ENV-02 8	AKA14-ENV-02 9
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400	400
Initial pH	7.16	6.63	8.89	6.78	6.47	7.34	9.30	7.11	7.81	7.95	8.83
Final pH	9.48	9.42	9.51	9.41	9.34	9.37	9.40	9.41	9.33	9.30	9.15
pH [no unit]	7.82	7.79	7.81	7.80	7.74	7.86	7.79	7.79	7.72	7.77	7.71
Conductivity [µS/cm]	55	48	54	54	47	52	50	51	50	48	50
Alkalinity [mg/L as CaCO3]	25	22	23	24	21	24	24	22	22	24	23
Chloride [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Sulphate [mg/L]	2.1	2.4	2.6	2.7	2.9	2.1	2.1	2.4	2.7	2.4	2.7
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoride [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	0.89	0.97	0.69	0.83	0.75	0.82	0.71	0.96	0.98	0.90	0.78
Arsenic [mg/L]	0.0032	0.0024	0.0019	0.0017	0.0012	0.0041	0.0028	0.0010	0.0010	0.0011	0.0008
Silver [mg/L]	0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	0.000002
Barium [mg/L]	0.00246	0.0129	0.00475	0.00216	0.00158	0.00161	0.00089	0.00085	0.00066	0.00109	0.00088
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007



SGS Canada Inc.

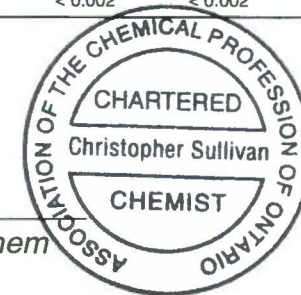
P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

LR Report : CA15122-AUG14

Analysis	23: AKA14-ENV-01 9	24: AKA14-ENV-02 0	25: AKA14-ENV-02 1	26: AKA14-ENV-02 2	27: AKA14-ENV-02 3	28: AKA14-ENV-02 4	29: AKA14-ENV-02 5	30: AKA14-ENV-02 6	31: AKA14-ENV-02 7	32: AKA14-ENV-02 8	33: AKA14-ENV-02 9
Boron [mg/L]	0.0011	0.0011	0.0018	0.0008	0.0011	0.0011	0.0011	0.0007	0.0006	0.0007	0.0007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	6.25	5.86	6.47	6.34	7.18	6.44	7.37	7.21	7.58	7.71	8.21
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000007	0.000004	< 0.000003	0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000011	0.000060	0.000015	0.000044	0.000017	0.000029	0.000008	0.000013	0.000016	0.000014	0.000014
Chromium [mg/L]	< 0.00003	< 0.00003	0.00004	< 0.00003	0.00007	0.00016	< 0.00003	< 0.00003	< 0.00003	< 0.00003	< 0.00003
Copper [mg/L]	0.00028	0.00085	0.00031	0.00053	0.00127	0.00034	0.00016	0.00032	0.00034	0.00019	0.00033
Iron [mg/L]	0.006	0.048	0.018	0.037	0.028	0.034	0.006	0.012	0.008	0.013	0.013
Potassium [mg/L]	8.16	5.66	5.54	4.92	4.63	2.18	2.10	0.865	1.03	1.19	1.57
Lithium [mg/L]	0.000720	0.000464	0.000519	0.000441	0.000372	0.000219	0.000130	0.000176	0.000218	0.000155	0.000239
Magnesium [mg/L]	0.238	0.232	0.516	0.188	0.399	0.374	0.362	0.240	0.246	0.220	0.274
Manganese [mg/L]	0.0004	0.0007	0.0005	0.0009	0.0007	0.0006	0.0002	0.0004	0.0002	0.0003	0.0005
Molybdenum [mg/L]	0.00062	0.00075	0.00023	0.00042	0.00059	0.00428	0.00263	0.00097	0.00055	0.00121	0.00134
Sodium [mg/L]	0.27	0.69	0.52	1.06	1.36	1.40	1.01	1.63	1.70	1.32	1.25
Nickel [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Lead [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Sulfur [mg/L]	1.91	2.05	7.96	5.33	1.30	1.19	0.98	1.34	2.07	1.91	4.20
Antimony [mg/L]	0.0005	0.0005	0.0006	0.0004	0.0009	0.0007	0.0004	0.0004	0.0004	0.0005	0.0004
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silicon [mg/L]	2.38	2.85	2.39	2.44	2.30	2.41	1.95	2.47	2.34	2.35	1.99
Tin [mg/L]	< 0.00001	0.00010	< 0.00001	0.00005	0.00006	0.00004	< 0.00001	0.00002	< 0.00001	< 0.00001	< 0.00001
Titanium [mg/L]	0.00057	0.00301	0.00101	0.00234	0.00245	0.00268	0.00043	0.00081	0.00055	0.00107	0.00065
Thallium [mg/L]	0.000005	< 0.000005	< 0.000005	< 0.000005	0.000013	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	0.000010	0.000007	< 0.000002	0.000011	0.000007	0.000037	0.000028	0.000011	0.000012	0.000013	0.000024
Vanadium [mg/L]	0.00176	0.00216	0.00550	0.00161	0.00229	0.00238	0.00186	0.00089	0.00086	0.00090	0.00102
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical





## 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 : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

02-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15122-AUG14  
Reference: PO#396642

Copy: #1

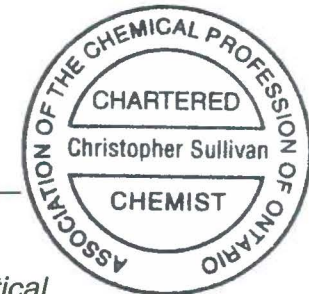
## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	34: AKA14-ENV-03 0	35: AKA14-ENV-03 1	36: AKA14-ENV-03 2	37: AKA14-ENV-03 3	38: AKA14-ENV-03 4	39: AKA14-ENV-03 5	40: AKA14-ENV-03 6	41: AKA14-ENV-03 7	42: AKA14-ENV-03 8	43: AKA14-ENV-03 9	44: AKA14-ENV-04 0
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400	400
Initial pH	6.38	8.36	6.01	4.80	6.27	7.43	5.74	8.34	6.90	8.79	7.59
Final pH	8.93	9.21	7.80	7.60	8.20	9.13	9.28	9.32	9.18	9.23	9.24
pH [no unit]	7.88	7.71	7.06	7.47	7.60	7.74	7.72	7.75	7.66	7.71	7.70
Conductivity [µS/cm]	46	45	24	34	41	57	52	55	57	55	52
Alkalinity [mg/L as CaCO <sub>3</sub> ]	16	20	5	11	14	23	21	24	24	24	23
Chloride [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Sulphate [mg/L]	2.8	2.5	3.6	3.9	2.8	3.0	2.8	2.8	3.3	2.8	3.2
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoride [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	0.75	0.82	0.36	0.31	0.36	0.66	0.88	0.77	0.46	0.54	0.53
Arsenic [mg/L]	0.0011	0.0010	0.0017	0.0005	0.0012	0.0012	0.0015	0.0088	0.0038	0.0034	0.0022
Silver [mg/L]	0.000003	< 0.000002	0.000008	0.000002	0.000017	0.000007	0.000003	0.000008	0.000012	< 0.000002	0.000007
Barium [mg/L]	0.00094	0.00052	0.00062	0.00079	0.00089	0.00091	0.00164	0.00161	0.00239	0.00147	0.00282
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000009	< 0.000007	< 0.000007

Analysis	34: AKA14-ENV-03 0	35: AKA14-ENV-03 1	36: AKA14-ENV-03 2	37: AKA14-ENV-03 3	38: AKA14-ENV-03 4	39: AKA14-ENV-03 5	40: AKA14-ENV-03 6	41: AKA14-ENV-03 7	42: AKA14-ENV-03 8	43: AKA14-ENV-03 9	44: AKA14-ENV-04 0
Boron [mg/L]	0.0007	0.0004	0.0005	0.0005	0.0006	0.0006	0.0009	0.0012	0.0004	0.0007	0.0008
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	5.91	7.36	2.70	2.10	4.00	8.02	6.33	6.74	5.83	7.33	6.70
Cadmium [mg/L]	< 0.000003	< 0.000003	0.000007	< 0.000003	0.000022	< 0.000003	0.000009	0.000004	0.000008	0.000004	0.000003
Cobalt [mg/L]	0.000028	0.000021	0.000038	0.000028	0.000048	0.000017	0.000029	0.000053	0.000086	0.000056	0.000061
Chromium [mg/L]	0.00010	< 0.00003	0.00004	0.00006	0.00024	< 0.00003	0.00020	0.00023	0.00038	0.00021	0.00031
Copper [mg/L]	0.00047	0.00032	0.00036	0.00078	0.00271	0.00112	0.00225	0.00172	0.00393	0.00156	0.00690
Iron [mg/L]	0.036	0.024	0.043	0.035	0.066	0.026	0.070	0.051	0.099	0.039	0.075
Potassium [mg/L]	1.84	1.05	1.12	1.26	1.71	2.00	2.78	4.77	5.94	4.14	3.94
Lithium [mg/L]	0.000276	0.000164	0.000220	0.000107	0.000464	0.000229	0.000526	0.000593	0.00108	0.000648	0.00110
Magnesium [mg/L]	0.294	0.302	0.370	0.286	0.289	0.236	0.387	0.297	0.444	0.251	0.303
Manganese [mg/L]	0.0005	0.0004	0.0013	0.0012	0.0013	0.0005	0.0007	0.0009	0.0016	0.0022	0.0021
Molybdenum [mg/L]	0.00132	0.00052	0.00125	0.00077	0.00288	0.00139	0.00099	0.00205	0.00409	0.00229	0.00243
Sodium [mg/L]	1.05	1.26	1.13	1.23	1.03	1.61	2.05	1.56	0.98	0.97	0.53
Nickel [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	0.0003	0.0010	0.0002	0.0003
Lead [mg/L]	< 0.007	< 0.007	0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Sulfur [mg/L]	3.09	1.85	1.90	1.60	1.78	4.47	3.02	1.90	1.52	1.43	1.34
Antimony [mg/L]	0.0005	0.0004	0.0011	0.0009	0.0012	0.0008	0.0009	0.0011	0.0014	0.0009	0.0012
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001
Silicon [mg/L]	1.94	2.05	1.64	1.59	2.07	2.47	2.40	2.43	3.01	2.32	2.64
Tin [mg/L]	< 0.00001	< 0.00001	< 0.00001	0.00005	0.00003	0.00002	0.00002	0.00003	0.00011	0.00006	0.00007
Titanium [mg/L]	0.00218	0.00171	0.00245	0.00211	0.00204	0.00079	0.00363	0.00317	0.00489	0.00194	0.00416
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	0.000005	0.000006	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	0.000018	0.000009	0.000006	0.000003	0.000033	0.000064	0.000152	0.000024	0.000142	0.000078	0.000171
Vanadium [mg/L]	0.00265	0.00170	0.00072	0.00073	0.00111	0.00096	0.00335	0.00272	0.00291	0.00181	0.00374
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical





SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

02-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15122-AUG14  
Reference: PO#396642

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	45: AKA14-ENV-04 1	46: AKA14-ENV-04 2	47: AKA14-ENV-04 3	48: AKA14-ENV-04 4	49: AKA14-ENV-04 5	50: AKA14-ENV-04 6	51: AKA14-ENV-04 7	52: AKA14-ENV-04 8	53: AKA14-ENV-04 9	54: AKA14-ENV-05 0	55: AKA14-ENV-05 1
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400	400
Initial pH	8.54	8.90	6.67	5.57	5.28	6.83	8.54	7.51	7.35	8.03	9.34
Final pH	9.54	9.35	9.30	9.29	9.35	9.21	9.20	9.30	9.30	9.24	9.19
pH [no unit]	7.82	7.81	7.71	7.71	7.77	7.73	7.80	7.81	7.78	7.76	7.78
Conductivity [ $\mu$ S/cm]	52	53	53	42	44	62	48	51	50	49	55
Alkalinity [mg/L as CaCO <sub>3</sub> ]	23	23	22	17	21	27	23	24	23	24	26
Chloride [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Sulphate [mg/L]	3.5	2.4	2.2	2.2	2.2	2.5	2.3	2.5	2.3	2.3	2.7
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoride [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	0.56	0.84	1.02	1.09	1.14	0.97	1.05	0.91	0.83	0.83	0.74
Arsenic [mg/L]	0.0013	0.0009	0.0012	0.0007	0.0006	0.0010	0.0010	0.0004	0.0009	0.0017	0.0012
Silver [mg/L]	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002
Barium [mg/L]	0.00398	0.00106	0.00047	0.00050	0.00040	0.00058	0.00046	0.00042	0.00058	0.00064	0.00066
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007



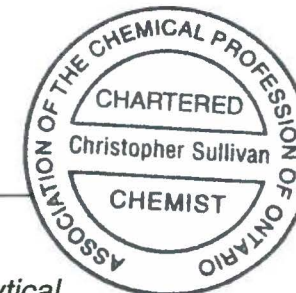
SGS Canada Inc.  
P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

LR Report : CA15122-AUG14

Analysis	45: AKA14-ENV-04 1	46: AKA14-ENV-04 2	47: AKA14-ENV-04 3	48: AKA14-ENV-04 4	49: AKA14-ENV-04 5	50: AKA14-ENV-04 6	51: AKA14-ENV-04 7	52: AKA14-ENV-04 8	53: AKA14-ENV-04 9	54: AKA14-ENV-05 0	55: AKA14-ENV-05 1
Boron [mg/L]	0.0006	0.0009	0.0008	0.0015	0.0012	0.0008	0.0023	0.0011	0.0009	0.0007	0.0008
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	6.82	6.46	7.25	6.54	7.04	7.37	7.70	7.44	7.46	7.45	7.66
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	0.000004	0.000003
Cobalt [mg/L]	0.000022	0.000014	0.000022	0.000023	0.000020	0.000016	0.000009	0.000014	0.000008	0.000018	0.000020
Chromium [mg/L]	0.00008	0.00006	0.00005	0.00006	0.00007	0.00006	0.00007	0.00004	0.00009	0.00008	0.00008
Copper [mg/L]	0.00025	0.00033	0.00039	0.00019	0.00022	0.00032	0.00025	0.00019	0.00031	0.00026	0.00048
Iron [mg/L]	0.011	0.006	0.021	0.030	0.022	0.009	0.004	0.006	0.005	0.004	0.009
Potassium [mg/L]	1.99	3.64	0.579	1.22	1.24	0.826	1.17	0.585	2.14	1.72	1.20
Lithium [mg/L]	0.000239	0.000372	0.000136	0.000123	0.000134	0.000303	0.000490	0.000307	0.000263	0.000246	0.000314
Magnesium [mg/L]	0.560	0.270	0.357	0.437	0.277	0.240	0.225	0.241	0.332	0.364	0.300
Manganese [mg/L]	0.0007	0.0004	0.0007	0.0005	0.0005	0.0006	0.0003	0.0005	0.0002	0.0003	0.0005
Molybdenum [mg/L]	0.00085	0.00186	0.00044	0.00035	0.00042	0.00057	0.00045	0.00064	0.00252	0.00259	0.00089
Sodium [mg/L]	1.09	1.24	1.17	0.78	0.97	1.75	1.82	1.67	0.86	0.95	1.58
Nickel [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	0.0001
Lead [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Sulfur [mg/L]	1.31	2.00	1.63	2.19	1.52	3.87	1.80	2.80	2.16	1.80	4.21
Antimony [mg/L]	0.0013	0.0010	0.0009	0.0005	0.0005	0.0008	0.0009	0.0007	0.0006	0.0006	0.0007
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silicon [mg/L]	2.85	2.02	2.40	2.05	2.21	2.24	2.00	2.09	1.68	1.61	2.15
Tin [mg/L]	0.00007	0.00003	0.00009	< 0.00001	0.00005	0.00003	0.00005	0.00007	0.00004	0.00008	0.00009
Titanium [mg/L]	0.00132	0.00030	0.00152	0.00207	0.00146	0.00059	0.00021	0.00011	0.00014	0.00013	0.00040
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	0.000006	0.000005	< 0.000002	< 0.000002	0.000003	0.000011	0.000017	0.000008	0.000042	0.000025	0.000012
Vanadium [mg/L]	0.00941	0.00175	0.00136	0.00135	0.00128	0.00100	0.00088	0.00075	0.00175	0.00174	0.00083
Zinc [mg/L]	< 0.002	0.014	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical





SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

02-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15122-AUG14  
Reference: PO#396642

Copy: #1

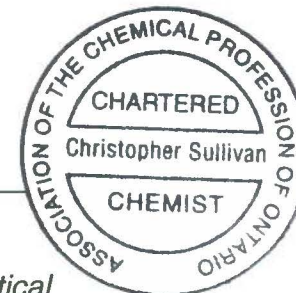
# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	56: AKA14-ENV-05 2	57: AKA14-ENV-05 3	58: AKA14-ENV-05 4	59: AKA14-ENV-05 5	60: AKA14-ENV-05 6	61: AKA14-ENV-05 7	62: AKA14-ENV-05 8	63: AKA14-ENV-05 9	64: AKA14-ENV-06 0	65: AKA14-ENV-06 1	66: AKA14-ENV-06 2
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400	400
Initial pH	7.49	9.09	9.35	9.39	8.78	7.22	8.91	9.22	9.17	9.31	7.47
Final pH	9.33	9.30	9.28	9.42	9.46	9.40	9.38	9.60	9.48	9.58	9.67
pH [no unit]	7.70	7.82	7.76	7.68	7.85	7.76	7.80	7.86	7.82	7.89	8.08
Conductivity [µS/cm]	46	51	48	44	53	53	53	47	46	52	48
Alkalinity [mg/L as CaCO3]	21	25	23	17	23	23	24	20	22	22	22
Chloride [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Sulphate [mg/L]	2.2	2.3	2.2	1.9	2.8	2.9	2.6	3.2	2.1	4.1	2.3
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoride [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	0.95	0.92	0.94	0.54	0.53	0.57	0.68	0.56	0.63	0.55	0.62
Arsenic [mg/L]	0.0007	0.0010	0.0029	0.0009	0.0040	0.0046	0.0017	0.0009	0.0011	0.0015	0.0007
Silver [mg/L]	0.000005	< 0.000002	< 0.000002	< 0.000002	0.000006	0.000006	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002
Barium [mg/L]	0.00061	0.00034	0.00034	0.00061	0.00336	0.00287	0.00270	0.00092	0.00040	0.00312	0.00247
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007

Analysis	56: AKA14-ENV-05 2	57: AKA14-ENV-05 3	58: AKA14-ENV-05 4	59: AKA14-ENV-05 5	60: AKA14-ENV-05 6	61: AKA14-ENV-05 7	62: AKA14-ENV-05 8	63: AKA14-ENV-05 9	64: AKA14-ENV-06 0	65: AKA14-ENV-06 1	66: AKA14-ENV-06 2
Boron [mg/L]	0.0014	0.0008	0.0013	0.0008	0.0004	0.0007	0.0007	0.0010	0.0009	0.0006	0.0007
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	0.000056	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	7.28	7.58	7.59	7.00	6.11	6.83	6.98	7.28	6.52	6.89	6.39
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000022	0.000019	0.000015	0.000015	0.000036	0.000022	0.000056	0.000019	0.000014	0.000026	0.000029
Chromium [mg/L]	< 0.00003	0.00003	0.00004	0.00005	0.00021	0.00014	0.00008	0.00013	0.00004	< 0.00003	0.00020
Copper [mg/L]	0.00028	0.00034	0.00031	0.00018	0.00041	0.00050	0.00070	0.00039	0.00015	0.00036	0.00053
Iron [mg/L]	0.006	0.006	< 0.002	0.002	0.044	0.027	0.023	0.007	0.003	0.008	0.024
Potassium [mg/L]	0.725	0.693	1.21	0.895	5.93	3.89	4.10	0.439	0.632	2.60	2.20
Lithium [mg/L]	0.000325	0.000354	0.000303	0.000063	0.000970	0.000816	0.000705	0.000129	0.000178	0.000266	0.000150
Magnesium [mg/L]	0.190	0.208	0.256	0.627	0.301	0.303	0.297	0.740	0.510	0.527	0.694
Manganese [mg/L]	0.0004	0.0002	0.0003	< 0.0001	0.0010	0.0007	0.0004	0.0008	0.0005	0.0007	0.0008
Molybdenum [mg/L]	0.00063	0.00095	0.00153	0.00018	0.00034	0.00092	0.00029	0.00016	0.00015	0.00056	0.00016
Sodium [mg/L]	1.48	1.59	1.49	0.47	0.90	1.10	1.02	0.68	1.24	1.04	0.87
Nickel [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001	0.0001	0.0001	0.0003	0.0001	< 0.0001	< 0.0001	0.0001
Lead [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Sulfur [mg/L]	1.25	1.76	1.50	0.88	1.22	1.69	1.29	1.24	0.86	1.66	1.03
Antimony [mg/L]	0.0006	0.0006	0.0007	0.0004	0.0006	0.0007	0.0006	0.0006	0.0003	0.0008	0.0006
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silicon [mg/L]	2.24	2.02	1.82	1.41	2.45	2.75	2.41	3.00	2.06	2.79	2.92
Tin [mg/L]	0.00006	0.00003	0.00003	0.00008	0.00010	0.00002	0.00001	0.00005	< 0.00001	0.00006	0.00003
Titanium [mg/L]	0.00038	0.00035	0.00005	< 0.00005	0.00267	0.00218	0.00159	0.00038	0.00008	0.00110	0.00104
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	0.000009	0.000011	0.000011	< 0.000002	0.000068	0.000075	0.000038	0.000003	< 0.000002	0.000004	< 0.000002
Vanadium [mg/L]	0.00065	0.00078	0.00102	0.00158	0.00417	0.00176	0.00261	0.00482	0.00156	0.00982	0.00554
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical







SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

02-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15122-AUG14  
Reference: PO#396642

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	67: AKA14-ENV-06 3	68: AKA14-ENV-06 4	69: AKA14-ENV-06 5	70: AKA14-ENV-06 6	71: AKA14-ENV-06 7	72: AKA14-ENV-06 8	73: AKA14-ENV-06 9	74: AKA14-ENV-07 0	75: AKA14-ENV-07 1	76: AKA14-ENV-07 2	77: AKA14-ENV-07 3	78: AKA14-ENV-07 4
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400	400	400
Initial pH	7.88	6.89	6.62	5.31	5.77	7.50	6.42	6.50	8.58	6.30	5.34	8.41
Final pH	9.37	9.09	9.37	7.52	7.60	9.40	9.50	9.79	9.36	9.38	9.37	9.39
pH [no unit]	7.82	7.68	7.74	6.96	7.13	7.74	7.77	7.84	7.75	7.72	7.76	7.80
Conductivity [µS/cm]	48	51	49	19	26	44	46	51	51	46	46	47
Alkalinity [mg/L as CaCO3]	23	22	23	4	7	22	23	24	24	21	17	23
Chloride [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Sulphate [mg/L]	2.6	3.0	2.8	2.6	2.8	2.2	2.0	2.4	2.5	2.6	2.2	2.2
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoride [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	1.00	0.78	0.83	0.18	0.18	0.83	0.81	0.66	0.85	1.01	0.94	0.90
Arsenic [mg/L]	0.0006	0.0009	0.0006	0.0006	0.0008	0.0011	0.0008	0.0010	0.0010	0.0009	0.0007	0.0007
Silver [mg/L]	< 0.000002	0.000003	< 0.000002	< 0.000002	< 0.000002	0.000003	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002
Barium [mg/L]	0.00023	0.00076	0.00087	0.00048	0.00063	0.00030	0.00034	0.00138	0.00075	0.00117	0.00092	0.00058
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007

Online LIMS

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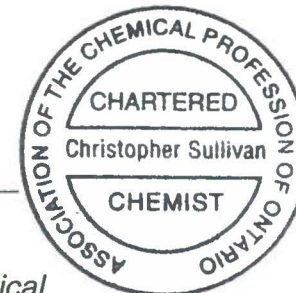
SGS Canada Inc.  
P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

LR Report : CA15122-AUG14

Analysis	67: AKA14-ENV-06 3	68: AKA14-ENV-06 4	69: AKA14-ENV-06 5	70: AKA14-ENV-06 6	71: AKA14-ENV-06 7	72: AKA14-ENV-06 8	73: AKA14-ENV-06 9	74: AKA14-ENV-07 0	75: AKA14-ENV-07 1	76: AKA14-ENV-07 2	77: AKA14-ENV-07 3	78: AKA14-ENV-07 4
Boron [mg/L]	0.0008	0.0009	0.0003	0.0006	0.0006	0.0007	0.0007	0.0009	0.0008	0.0006	0.0007	0.0004
Bismuth [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	7.61	7.92	7.51	1.20	2.69	7.20	6.89	7.30	7.73	6.59	6.54	7.44
Cadmium [mg/L]	< 0.000003	0.000006	0.000003	0.000003	0.000009	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000018	0.000023	0.000026	0.000099	0.000276	0.000025	0.000022	0.000075	0.000019	0.000034	0.000026	0.000023
Chromium [mg/L]	< 0.00003	0.00011	0.00004	< 0.00003	< 0.00003	< 0.00003	0.00003	0.00058	0.00010	0.00004	0.00006	0.00003
Copper [mg/L]	0.00033	0.00057	0.00046	0.00329	0.00636	0.00018	0.00025	0.0190	0.00037	0.00060	0.00072	0.00035
Iron [mg/L]	0.006	0.024	0.012	0.034	0.036	0.006	0.004	0.078	0.008	0.021	0.020	0.008
Potassium [mg/L]	0.904	2.34	1.26	1.69	1.60	0.623	0.906	1.77	1.94	1.23	0.581	0.958
Lithium [mg/L]	0.000293	0.000319	0.000185	0.000137	0.000474	0.000225	0.000215	0.000119	0.000193	0.000304	0.000332	0.000296
Magnesium [mg/L]	0.312	0.347	0.199	0.177	0.184	0.349	0.272	0.847	0.394	0.287	0.243	0.243
Manganese [mg/L]	0.0004	0.0003	0.0003	0.0019	0.0051	0.0003	0.0004	0.0018	0.0003	0.0013	0.0011	0.0007
Molybdenum [mg/L]	0.00032	0.00617	0.00131	0.00104	0.00470	0.00009	0.00006	0.00015	0.00101	0.00049	0.00019	0.00022
Sodium [mg/L]	1.12	0.73	1.15	1.15	0.96	1.30	1.51	0.60	1.10	1.55	1.52	1.48
Nickel [mg/L]	< 0.0001	0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	0.0003	0.0001	0.0001	< 0.0001	< 0.0001
Lead [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Sulfur [mg/L]	2.32	6.88	1.31	1.10	1.17	0.95	0.97	1.07	1.16	1.05	0.97	1.14
Antimony [mg/L]	0.0006	0.0009	0.0006	0.0011	0.0014	0.0009	0.0007	0.0005	0.0005	0.0005	0.0005	0.0004
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	0.004	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silicon [mg/L]	2.08	1.77	2.21	1.53	1.68	1.99	2.22	3.70	1.67	2.38	2.33	2.05
Tin [mg/L]	0.00002	0.00008	0.00001	0.00004	0.00007	0.00001	0.00002	0.00003	0.00001	0.00003	0.00008	0.00007
Titanium [mg/L]	0.00033	0.00082	0.00067	0.00238	0.00156	0.00069	0.00047	0.00287	0.00054	0.00165	0.00096	0.00024
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	< 0.000002	0.000009	0.000019	0.000003	0.000010	0.000003	< 0.000002	0.000002	0.000041	0.000011	0.000006	0.000009
Vanadium [mg/L]	0.00153	0.00201	0.00152	0.00087	0.00087	0.00159	0.00158	0.00537	0.00211	0.00089	0.00089	0.00090
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical





SGS Canada Inc.

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

**Agnico Eagle Mines Limited**  
Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

02-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15122-AUG14  
Reference: PO#396642

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	79: AKA14-ENV-07 5	80: AKA14-ENV-07 6	81: AKA14-ENV-07 7	82: AKA14-ENV-07 8	83: AKA14-ENV-07 9	84: AKA14-ENV-08 0	85: AKA14-ENV-08 1	86: AKA14-ENV-08 2	87: AKA14-ENV-08 3	88: AKA14-ENV-08 4	89: AKA14-ENV-08 5	90: AKA14-ENV-08 6
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20	20	20	20	20	20	20	20	20	20	20	20
Ext Fluid [#1 or #2]	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	400	400	400	400	400	400	400	400	400	400	400	400
Initial pH	9.22	9.41	7.22	8.54	7.46	5.76	5.94	7.20	5.50	5.90	6.28	5.21
Final pH	9.16	9.33	9.41	9.38	9.45	9.29	9.55	9.57	9.50	9.59	9.51	9.50
pH [no unit]	7.69	7.76	7.77	7.79	7.73	7.68	7.73	7.77	7.71	7.74	7.69	7.74
Conductivity [µS/cm]	55	50	52	53	47	45	45	49	48	46	44	44
Alkalinity [mg/L as CaCO3]	22	24	23	24	23	17	17	21	17	22	16	16
Chloride [mg/L]	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Sulphate [mg/L]	3.1	2.4	2.8	2.6	2.4	2.6	2.5	3.0	4.0	2.5	3.2	2.9
Nitrite (as N) [mg/L]	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Fluoride [mg/L]	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Mercury [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	0.73	1.02	1.00	0.79	0.81	0.87	0.82	0.78	0.82	0.80	0.75	0.80
Arsenic [mg/L]	0.0008	0.0022	0.0014	0.0010	0.0006	0.0007	0.0011	0.0025	0.0020	0.0028	0.0014	0.0006
Silver [mg/L]	0.000008	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	< 0.000002	0.000005	< 0.000002	< 0.000002
Barium [mg/L]	0.00094	0.00046	0.00040	0.00053	0.00112	0.00090	0.00340	0.00228	0.00297	0.00404	0.00278	0.00315
Beryllium [mg/L]	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007

Online LIMS

0000235237



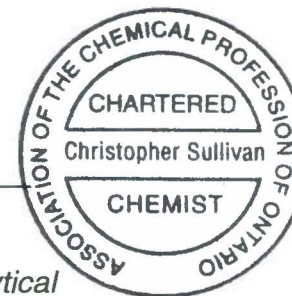
SGS Canada Inc.  
P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

LR Report : CA15122-AUG14

Analysis	79: AKA14-ENV-07 5	80: AKA14-ENV-07 6	81: AKA14-ENV-07 7	82: AKA14-ENV-07 8	83: AKA14-ENV-07 9	84: AKA14-ENV-08 0	85: AKA14-ENV-08 1	86: AKA14-ENV-08 2	87: AKA14-ENV-08 3	88: AKA14-ENV-08 4	89: AKA14-ENV-08 5	90: AKA14-ENV-08 6
Boron [mg/L]	0.0007	0.0013	0.0035	0.0010	0.0004	0.0007	0.0014	0.0013	0.0007	0.0003	0.0003	0.0002
Bismuth [mg/L]	0.000013	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	8.69	7.78	7.84	8.15	7.40	6.50	5.68	6.79	6.12	5.66	5.72	5.93
Cadmium [mg/L]	0.000004	0.000004	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000023	0.000019	0.000019	0.000024	0.000024	0.000029	0.000044	0.000035	0.000044	0.000043	0.000038	0.000036
Chromium [mg/L]	0.00005	0.00003	0.00005	0.00009	0.00004	0.00005	0.00024	0.00026	0.00022	0.00021	0.00033	0.00024
Copper [mg/L]	0.00072	0.00041	0.00045	0.00048	0.00036	0.00071	0.00050	0.00026	0.00027	0.00046	0.00074	0.00029
Iron [mg/L]	0.015	0.006	0.004	0.010	0.018	0.025	0.045	0.028	0.037	0.036	0.045	0.038
Potassium [mg/L]	1.61	1.16	1.59	1.80	0.499	0.867	2.60	2.31	2.14	3.20	2.12	1.74
Lithium [mg/L]	0.000343	0.000405	0.000209	0.000181	0.000173	0.000254	0.000324	0.000240	0.000318	0.000349	0.000368	0.000289
Magnesium [mg/L]	0.224	0.250	0.270	0.302	0.286	0.224	0.437	0.459	0.400	0.393	0.490	0.425
Manganese [mg/L]	0.0006	0.0003	0.0001	0.0005	0.0005	0.0009	0.0014	0.0007	0.0010	0.0011	0.0012	0.0016
Molybdenum [mg/L]	0.00116	0.00055	0.00044	0.00064	0.00019	0.00020	0.00021	0.00042	0.00058	0.00051	0.00020	0.00016
Sodium [mg/L]	1.22	1.81	1.74	1.23	1.64	1.85	1.45	1.65	1.50	1.24	1.53	1.41
Nickel [mg/L]	0.0001	< 0.0001	< 0.0001	< 0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002
Lead [mg/L]	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.008	< 0.007
Sulfur [mg/L]	5.57	2.64	3.68	1.10	1.13	2.27	1.07	1.32	1.75	1.02	1.46	1.25
Antimony [mg/L]	0.0005	0.0006	0.0006	0.0005	0.0005	0.0007	0.0004	0.0005	0.0004	0.0004	0.0003	0.0003
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silicon [mg/L]	1.81	1.86	1.83	1.89	2.33	2.28	2.64	2.56	2.71	2.61	2.78	2.69
Tin [mg/L]	0.00007	0.00009	0.00008	0.00003	0.00002	0.00004	0.00009	0.00002	0.00001	0.00007	0.00001	0.00002
Titanium [mg/L]	0.00061	0.00027	0.00013	0.00064	0.00166	0.00176	0.00254	0.00151	0.00199	0.00215	0.00266	0.00235
Thallium [mg/L]	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	0.000015	0.000012	0.000009	0.000032	0.000022	0.000010	0.000005	0.000010	0.000009	0.000011	0.000025	0.000032
Vanadium [mg/L]	0.00084	0.00100	0.00096	0.00139	0.00110	0.00086	0.00178	0.00267	0.00180	0.00220	0.00234	0.00196
Zinc [mg/L]	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical





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

LR Report : CA15122-AUG14

### Quality Control Report

Inorganic Analysis												
Parameter	Method Reference	Reporting Limit	Unit	Method Blank	*Duplicate		LCS/Reference Material			Matrix Spike		
					RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
						%		Low	High		Low	High
Silver	SM 3030/EPA 200.8	0.000002	mg/L	<0.000002	ND	20	98	90	110	105	70	130
Silver	SM 3030/EPA 200.8	0.000002	mg/L	<0.000002	4	20	98	90	110	105	70	130
Aluminum	SM 3030/EPA 200.7	0.01	mg/L	<0.01	1	20	101	90	110	110	70	130
Aluminum	SM 3030/EPA 200.7	0.01	mg/L	<0.01	3	20	100	90	110	93	70	130
Aluminum	SM 3030/EPA 200.7	0.01	mg/L	<0.01	1	20	100	90	110	111	70	130
Arsenic	Niosh7300/EPA 200.8	0.0002	mg/L	<0.0002	7	20	99	90	110	107	70	130
Arsenic	Niosh7300/EPA 200.8	0.0002	mg/L	<0.0002	25	20	96	90	110	99	70	130
Barium	SM 3030/EPA 200.8	0.00002	mg/L	<0.00002	3	20	99	90	110	106	70	130
Barium	SM 3030/EPA 200.8	0.00002	mg/L	<0.00002	0	20	97	90	110	104	70	130
Beryllium	SM 3030/EPA 200.8	0.000007	mg/L	<0.000007	ND	20	101	90	110	102	70	130
Beryllium	SM 3030/EPA 200.8	0.000007	mg/L	<0.000007	NV	20	101	90	110	102	70	130
Boron	SM 3030/EPA 200.8	0.0002	mg/L	<0.0002	3	20	102	90	110	101	70	130
Boron	SM 3030/EPA 200.8	0.0002	mg/L	<0.0002	5	20	97	90	110	97	70	130
Bismuth	SM 3030/EPA 200.8	0.000007	mg/L	<0.000007	0	20	97	90	110	101	70	130
Bismuth	SM 3030/EPA 200.8	0.000007	mg/L	<0.000007	3	20	95	90	110	98	70	130
Bromide	EPA300/MA300-Ions1.3	0.3	mg/L	<0.3	ND	20	105	80	120	106	75	125
Bromide	EPA300/MA300-Ions1.3	0.3	mg/L	<0.3	ND	20	106	80	120	106	75	125
Bromide	EPA300/MA300-Ions1.3	0.3	mg/L	<0.3	ND	20	106	80	120	105	75	125
Bromide	EPA300/MA300-Ions1.3	0.3	mg/L	<0.3	ND	20	105	80	120	103	75	125
Calcium	SM 3030/EPA 200.7	0.02	mg/L	<0.02	0	20	101	90	110	103	70	130
Calcium	SM 3030/EPA 200.7	0.02	mg/L	<0.02	0	20	100	90	110	101	70	130
Calcium	SM 3030/EPA 200.7	0.02	mg/L	<0.02	1	20	99	90	110	101	70	130
Cadmium	SM 3030/EPA 200.8	0.000003	mg/L	<0.000003	ND	20	99	90	110	98	70	130
Cadmium	SM 3030/EPA 200.8	0.000003	mg/L	<0.000003	NV	20	97	90	110	65	70	130
Chloride	EPA300/MA300-Ions1.3	0.2	mg/L	<0.2	5	20	94	80	120	93	75	125
Chloride	EPA300/MA300-Ions1.3	0.2	mg/L	<0.2	5	20	101	80	120	92	75	125
Chloride	EPA300/MA300-Ions1.3	0.2	mg/L	<0.2	0	20	98	80	120	96	75	125
Chloride	EPA300/MA300-Ions1.3	0.2	mg/L	<0.2	9	20	103	80	120	97	75	125
Cobalt	SM 3030/EPA 200.8	0.000004	mg/L	<0.000004	NV	20	98	90	110	106	70	130
Cobalt	SM 3030/EPA 200.8	0.000004	mg/L	<0.000004	4	20	96	90	110	103	70	130
Chromium	SM 3030/EPA 200.8	0.00003	mg/L	<0.00003	ND	20	98	90	110	107	70	130
Chromium	SM 3030/EPA 200.8	0.00003	mg/L	<0.00003	54	20	99	90	110	83	70	130
Copper	SM 3030/EPA 200.8	0.00002	mg/L	<0.00002	1	20	98	90	110	104	70	130
Copper	SM 3030/EPA 200.8	0.00002	mg/L	<0.00002	7	20	96	90	110	102	70	130
Iron	SM 3030/EPA 200.7	0.002	mg/L	<0.002	1	20	100	90	110	101	70	130
Iron	SM 3030/EPA 200.7	0.002	mg/L	<0.002	2	20	100	90	110	104	70	130



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

Inorganic Analysis													
Parameter	Method Reference	Reporting Limit	Unit	Method Blank	*Duplicate		LCS/Reference Material			Matrix Spike			
					RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
								Low	High		Low	High	
Iron	SM 3030/EPA 200.7	0.002	mg/L	<0.002	9	20	100	90	110	102	70	130	
Mercury	EPA 7471A/SM 3112B	0.00001	mg/L	< 0.00001	ND	20	99	90	110	110	70	130	
Mercury	EPA 7471A/SM 3112B	0.00001	mg/L	< 0.00001	ND	20	104	90	110	119	70	130	
Potassium	SM 3030/EPA 200.7	0.002	mg/L	<0.002	1	20	99	90	110	99	70	130	
Potassium	SM 3030/EPA 200.7	0.002	mg/L	<0.002	0	20	97	90	110	97	70	130	
Potassium	SM 3030/EPA 200.7	0.002	mg/L	<0.002	1	20	97	90	110	99	70	130	
Lithium	SM 3030/EPA 200.8	0.000006	mg/L	<0.000006	NV	20	99	90	110	103	70	130	
Lithium	SM 3030/EPA 200.8	0.000006	mg/L	<0.000006	NV	20	101	90	110	103	70	130	
Magnesium	SM 3030/EPA 200.7	0.003	mg/L	<0.003	0	20	99	90	110	102	70	130	
Magnesium	SM 3030/EPA 200.7	0.003	mg/L	<0.003	0	20	99	90	110	100	70	130	
Magnesium	SM 3030/EPA 200.7	0.003	mg/L	<0.003	1	20	99	90	110	101	70	130	
Manganese	SM 3030/EPA 200.7	0.0001	mg/L	<0.0001	0	20	100	90	110	102	70	130	
Manganese	SM 3030/EPA 200.7	0.0001	mg/L	<0.0001	29	20	100	90	110	100	70	130	
Manganese	SM 3030/EPA 200.7	0.0001	mg/L	<0.0001	12	20	100	90	110	101	70	130	
Molybdenum	SM 3030/EPA 200.8	0.00001	mg/L	<0.00001	7	20	100	90	110	107	70	130	
Molybdenum	SM 3030/EPA 200.8	0.00001	mg/L	<0.00001	NV	20	99	90	110	105	70	130	
Sodium	SM 3030/EPA 200.7	0.01	mg/L	<0.01	1	20	97	90	110	104	70	130	
Sodium	SM 3030/EPA 200.7	0.01	mg/L	<0.01	0	20	97	90	110	102	70	130	
Sodium	SM 3030/EPA 200.7	0.01	mg/L	<0.01	1	20	92	90	110	101	70	130	
Nickel	SM 3030/EPA 200.8	0.0001	mg/L	<0.0001	2	20	101	90	110	106	70	130	
Nickel	SM 3030/EPA 200.8	0.0001	mg/L	<0.0001	17	20	96	90	110	100	70	130	
Nitrite (as N)	EPA300/MA300-Ions1.3	0.03	mg/L	<0.03	ND	20	103	80	120	101	75	125	
Nitrite (as N)	EPA300/MA300-Ions1.3	0.03	mg/L	<0.03	ND	20	101	80	120	101	75	125	
Nitrite (as N)	EPA300/MA300-Ions1.3	0.03	mg/L	<0.03	ND	20	101	80	120	101	75	125	
Nitrite (as N)	EPA300/MA300-Ions1.3	0.03	mg/L	<0.03	ND	20	105	80	120	101	75	125	
Nitrate (as N)	EPA300/MA300-Ions1.3	0.06	mg/L	<0.06	3	20	109	80	120	105	75	125	
Nitrate (as N)	EPA300/MA300-Ions1.3	0.06	mg/L	<0.06	3	20	104	80	120	105	75	125	
Nitrate (as N)	EPA300/MA300-Ions1.3	0.06	mg/L	<0.06	1	20	105	80	120	107	75	125	
Nitrate (as N)	EPA300/MA300-Ions1.3	0.06	mg/L	<0.06	9	20	116	80	120	103	75	125	
Lead	SM 3030/EPA 200.7	0.007	mg/L	<0.007	ND	20	101	90	110	106	70	130	
Lead	SM 3030/EPA 200.7	0.007	mg/L	<0.007	ND	20	101	90	110	114	70	130	
Lead	SM 3030/EPA 200.7	0.007	mg/L	<0.007	ND	20	100	90	110	108	70	130	
Phosphorus (total reactive)	SM 4500-P F	0.03	mg/L	0.03	ND	10	101	90	110	85	75	125	
Phosphorus (total reactive)	SM 4500-P F	0.03	mg/L	<0.03	ND	10	101	90	110				
pH Check <2		0.05		1	100		100			100			
pH Check <2		0.05		1	100		100			100			
pH Check <2		0.05		1	1		1			1			
Antimony	SM 3030/EPA 200.8	0.0002	mg/L	<0.0002	3	20	94	90	110	104	70	130	
Antimony	SM 3030/EPA 200.8	0.0002	mg/L	<0.0002	NV	20	105	90	110	91	70	130	



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

SPLP1312--(Quebec Modified MA. 100 -Lix.com.1.1)

LR Report : CA15122-AUG14

Inorganic Analysis													
Parameter	Method Reference	Reporting Limit	Unit	Method Blank	*Duplicate		Spike Recovery (%)	LCS/Reference Material		Spike Recovery (%)	Matrix Spike		
					RPD	Acceptance Criteria		Recovery Limits (%)			Recovery Limits (%)		
						%	Low	High	Low	High			
Selenium	SM 3030/EPA 200.8	0.001	mg/L	<0.001	ND	20	97	90	110	95	70	130	
Selenium	SM 3030/EPA 200.8	0.001	mg/L	<0.001	51	20	91	90	110	85	70	130	
Sulfur	SM 3030/EPA 200.7	0.03	mg/L	<0.03	2	20	100	90	110	NV	70	130	
Sulfur	SM 3030/EPA 200.7	0.03	mg/L	<0.03	1	20	100	90	110	NV	70	130	
Sulfur	SM 3030/EPA 200.7	0.03	mg/L	<0.03	0	20	98	90	110	NV	70	130	
Silicon	SM 3030/EPA 200.7	0.02	mg/L	<0.02	0	20	105	90	110	102	70	130	
Silicon	SM 3030/EPA 200.7	0.02	mg/L	<0.02	0	20	104	90	110	98	70	130	
Silicon	SM 3030/EPA 200.7	0.02	mg/L	<0.02	2	20	107	90	110	100	70	130	
Tin	SM 3030/EPA 200.8	0.00001	mg/L	<0.00001	NV	20	97	90	110	109	70	130	
Tin	SM 3030/EPA 200.8	0.00001	mg/L	<0.00001	23	20	98	90	110	107	70	130	
Sulphate	EPA300/MA300-Ions1.3	0.2	mg/L	<0.2	4	20	103	80	120	97	75	125	
Sulphate	EPA300/MA300-Ions1.3	0.2	mg/L	<0.2	2	20	101	80	120	95	75	125	
Sulphate	EPA300/MA300-Ions1.3	0.2	mg/L	<0.2	8	20	103	80	120	94	75	125	
Sulphate	EPA300/MA300-Ions1.3	0.2	mg/L	<0.2	2	20	101	80	120	95	75	125	
Titanium	SM 3030/EPA 200.8	0.00005	mg/L	<0.00005	13	20	98	90	110	99	70	130	
Titanium	SM 3030/EPA 200.8	0.00005	mg/L	<0.00005	NV	20	98	90	110	100	70	130	
Thallium	SM 3030/EPA 200.8	0.000005	mg/L	<0.000005	20	20	97	90	110	107	70	130	
Thallium	SM 3030/EPA 200.8	0.000005	mg/L	<0.000005	12	20	96	90	110	104	70	130	
Uranium	SM 3030/EPA 200.8	0.000002	mg/L	<0.000002	0	20	99	90	110	101	70	130	
Uranium	SM 3030/EPA 200.8	0.000002	mg/L	<0.000002	19	20	97	90	110	95	70	130	
Vanadium	SM 3030/EPA 200.8	0.00001	mg/L	<0.00001	ND	20	99	90	110	93	70	130	
Vanadium	SM 3030/EPA 200.8	0.00001	mg/L	<0.00001	NV	20	99	90	110	99	70	130	
Zinc	SM 3030/EPA 200.7	0.002	mg/L	<0.002	ND	20	101	90	110	103	70	130	
Zinc	SM 3030/EPA 200.7	0.002	mg/L	<0.002	ND	20	101	90	110	101	70	130	
Zinc	SM 3030/EPA 200.7	0.002	mg/L	<0.002	ND	20	99	90	110	101	70	130	
Physical / Other													
Parameter	Method Reference	Reporting Limit	Unit	Method Blank	*Duplicate		Spike Recovery (%)	LCS/Reference Material		Spike Recovery (%)	Matrix Spike		
					RPD	Acceptance Criteria		Recovery Limits (%)			Recovery Limits (%)		
						%	Low	High	Low	High			
Alkalinity	SM 2320	2	mg/L as Ca	< 2	1	10	103	90	110	NA			
Alkalinity	SM 2320	2	mg/L as Ca	< 2	ND	10	105	90	110	NA			
Conductivity	SM 2510	2	µS/cm	< 2	2	10	98	90	110	NA			
Conductivity	SM 2510	2	µS/cm	< 2	0	10	99	90	110	NA			
Fluoride	SM 4500	0.06	mg/L	<0.06	ND	10	101	90	110	95	75	125	
Fluoride	SM 4500	0.06	mg/L	<0.06	3	10	100	90	110	107	75	125	
Fluoride	SM 4500	0.06	mg/L	<0.06	ND	10	100	90	110	109	75	125	
Fluoride	SM 4500	0.06	mg/L	<0.06	0	10	100	90	110	104	75	125	
pH	SM 4500	0.05	no unit	NA	0		100			NA			



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

Parameter	Method Reference	Physical / Other				*Duplicate		LCS/Reference Material		Matrix Spike		
		Reporting Limit	Unit	Method Blank	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
						%		Low	High		Low	High
pH	SM 4500	0.05	no unit	NA	0		57			NA		





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

05-September-2014

**Agnico Eagle Mines Limited**  
Attn : Blandine Arseneault

Date Rec. : 08 August 2014  
LR Report: CA15120-AUG14  
Reference: PO#396642

10200, route de Pressac, Rouyn-Noranda  
, J0Y 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA14-ENV-001	6: AKA14-ENV-002	7: AKA14-ENV-003	8: AKA14-ENV-004	9: AKA14-ENV-005	10: AKA14-ENV-006	11: AKA14-ENV-007	12: AKA14-ENV-008	13: AKA14-ENV-009
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	05-Sep-14	13:04	< 1	< 1	< 1	1	2	2	2	2	2
Mercury [µg/g]	29-Aug-14	10:20	< 0.05	< 0.05	< 0.05	< 0.05	0.09	0.05	0.06	< 0.05	< 0.05
Silver [µg/g]	29-Aug-14	08:37	0.26	0.21	0.26	0.80	1.5	2.5	0.66	0.33	0.32
Aluminum [µg/g]	27-Aug-14	12:04	3100	3500	5300	8600	5100	6700	11000	12000	12000
Arsenic [µg/g]	27-Aug-14	12:00	2.4	1.3	1.6	2.9	4.3	3.2	3.6	3.4	3.1
Boron [µg/g]	27-Aug-14	12:00	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Barium [µg/g]	27-Aug-14	12:00	12	11	14	20	38	76	90	190	130
Beryllium [µg/g]	27-Aug-14	12:00	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3
Bismuth [µg/g]	27-Aug-14	12:00	1.0	0.38	0.30	0.70	2.3	3.1	0.95	0.38	0.23
Calcium [µg/g]	27-Aug-14	12:05	12000	2000	1300	2300	2200	2300	5100	7900	8900
Cadmium [µg/g]	27-Aug-14	12:00	0.05	0.02	0.04	0.05	0.1	0.04	< 0.02	< 0.02	< 0.02
Cobalt [µg/g]	27-Aug-14	12:00	8.5	5.6	14	37	6.2	12	12	10	8.4
Chromium [µg/g]	27-Aug-14	12:00	31	41	30	33	36	33	50	55	50
Copper [µg/g]	27-Aug-14	12:05	380	310	350	1900	4100	7200	1400	540	460
Iron [µg/g]	27-Aug-14	12:05	33000	14000	22000	35000	9200	17000	25000	20000	19000
Potassium [µg/g]	29-Aug-14	11:26	630	530	670	730	3200	6500	11000	13000	11000
Lithium [µg/g]	27-Aug-14	12:00	4	4	7	11	7	8	12	16	13
Magnesium [µg/g]	27-Aug-14	12:05	2200	2300	3700	5700	5100	5900	10000	12000	11000
Manganese [µg/g]	27-Aug-14	12:00	62	37	63	75	54	59	280	240	250
Molybdenum [µg/g]	27-Aug-14	12:05	31	29	39	43	67	73	13	1.7	10



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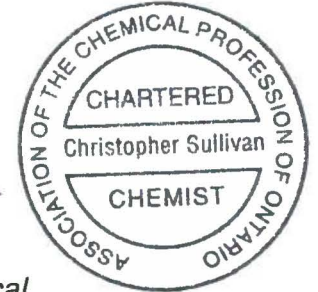
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Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : CA15120-AUG14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA14-ENV-001	6: AKA14-ENV-002	7: AKA14-ENV-003	8: AKA14-ENV-004	9: AKA14-ENV-005	10: AKA14-ENV-006	11: AKA14-ENV-007	12: AKA14-ENV-008	13: AKA14-ENV-009
Sodium [µg/g]	29-Aug-14	11:26	150	250	130	110	200	100	200	290	250
Nickel [µg/g]	27-Aug-14	12:00	10	7.3	12	17	13	20	23	22	21
Phosphorus [µg/g]	29-Aug-14	11:26	280	340	390	620	730	670	780	870	820
Lead [µg/g]	27-Aug-14	12:00	3.8	1.9	2.4	3.4	3.5	0.96	1.2	0.92	0.86
Antimony [µg/g]	27-Aug-14	12:00	< 0.8	< 0.8	< 0.8	< 0.8	2.4	1.1	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	27-Aug-14	12:00	2.0	< 0.7	1.2	5.9	4.2	7.4	1.0	< 0.7	0.7
Silicon [µg/g]	29-Aug-14	11:26	710	580	770	1700	540	430	380	410	330
Tin [µg/g]	27-Aug-14	12:01	3.4	6.1	2.7	2.9	2.7	1.7	2.3	3.7	2.3
Strontium [µg/g]	27-Aug-14	12:01	14	8.0	7.0	13	13	11	29	55	50
Titanium [µg/g]	27-Aug-14	12:01	5.3	7.4	6.4	88	240	620	1000	1100	980
Thallium [µg/g]	27-Aug-14	12:01	< 0.02	< 0.02	< 0.02	0.03	0.22	0.32	0.38	0.22	0.22
Uranium [µg/g]	27-Aug-14	12:01	0.24	0.21	0.28	0.37	0.51	0.58	0.33	0.30	0.30
Vanadium [µg/g]	27-Aug-14	12:01	1	3	3	7	6	11	23	31	27
Zinc [µg/g]	27-Aug-14	12:01	5.9	5.9	16	32	17	21	43	39	41

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical





SGS Canada Inc.

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

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Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, J0Y 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

Quebec MA200-Met 1.2 Digest

05-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15120-AUG14  
Reference: PO#396642

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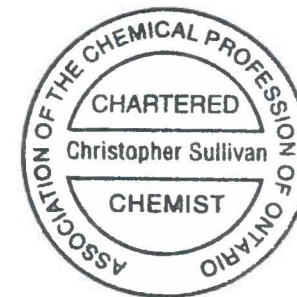
# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	14: AKA14-ENV-01 0	15: AKA14-ENV-01 1	16: AKA14-ENV-01 2	17: AKA14-ENV-01 3	18: AKA14-ENV-01 4	19: AKA14-ENV-01 5	20: AKA14-ENV-01 6	21: AKA14-ENV-01 7	22: AKA14-ENV-01 8	23: AKA14-ENV-01 9	24: AKA14-ENV-02 0	25: AKA14-ENV-02 1
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Mercury [µg/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver [µg/g]	0.17	0.38	0.11	0.23	0.52	0.19	0.20	0.12	0.15	0.16	0.42	0.31
Aluminum [µg/g]	12000	2400	3400	4200	2400	2600	6500	7100	12000	11000	8900	10000
Arsenic [µg/g]	4.0	2.9	3.6	2.3	2.9	1.8	1.6	2.0	1.3	1.4	1.0	1.5
Boron [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Barium [µg/g]	160	2.4	3.7	9.9	17	4.0	7.0	9.4	88	89	110	86
Beryllium [µg/g]	0.6	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.1
Bismuth [µg/g]	0.32	< 0.09	< 0.09	< 0.09	0.10	< 0.09	0.11	< 0.09	< 0.09	0.26	< 0.09	< 0.09
Calcium [µg/g]	5900	15000	7500	9200	16000	5600	6500	12000	3800	14000	6500	15000
Cadmium [µg/g]	< 0.02	0.08	0.04	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02
Cobalt [µg/g]	9.1	17	5.1	6.9	35	7.0	11	8.4	17	14	16	23
Chromium [µg/g]	60	51	58	59	30	49	21	19	16	14	22	79
Copper [µg/g]	210	810	190	340	760	410	190	76	170	190	780	690
Iron [µg/g]	21000	11000	4600	6600	39000	4300	8800	8000	20000	18000	19000	20000
Potassium [µg/g]	12000	61	630	1200	1700	570	440	730	12000	12000	8100	8800
Lithium [µg/g]	17	< 2	2	4	4	< 2	5	6	11	10	7	7
Magnesium [µg/g]	12000	450	1200	1800	1600	1100	5400	6000	10000	11000	7400	9100
Manganese [µg/g]	300	160	85	130	220	73	130	160	170	290	180	290
Molybdenum [µg/g]	2.3	9.1	16	24	27	26	4.1	2.1	6.6	4.8	34	12

Analysis	14: AKA14-ENV-01 0	15: AKA14-ENV-01 1	16: AKA14-ENV-01 2	17: AKA14-ENV-01 3	18: AKA14-ENV-01 4	19: AKA14-ENV-01 5	20: AKA14-ENV-01 6	21: AKA14-ENV-01 7	22: AKA14-ENV-01 8	23: AKA14-ENV-01 9	24: AKA14-ENV-02 0	25: AKA14-ENV-02 1
Sodium [µg/g]	310	170	210	180	340	150	220	210	84	57	130	110
Nickel [µg/g]	20	17	16	17	11	12	5.9	6.0	8.4	8.5	8.6	48
Phosphorus [µg/g]	790	190	160	170	290	170	320	300	330	290	280	310
Lead [µg/g]	0.68	0.21	0.28	0.19	0.38	0.12	0.16	0.18	0.17	0.19	0.19	0.14
Antimony [µg/g]	< 0.8	< 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]	< 0.7	< 0.7	< 0.7	< 0.7	1.5	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	1.2	1.3
Silicon [µg/g]	280	960	870	800	580	630	610	750	480	860	630	930
Tin [µg/g]	2.6	2.7	2.1	1.7	1.7	1.7	0.9	0.7	0.6	0.5	0.9	2.3
Strontium [µg/g]	45	9.0	10	12	7.7	5.4	5.8	8.1	3.9	5.6	6.8	7.9
Titanium [µg/g]	1100	850	1200	1100	440	850	300	360	1100	960	930	1300
Thallium [µg/g]	0.16	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.22	0.18	0.10	0.07
Uranium [µg/g]	0.22	0.063	0.025	0.036	0.036	0.016	0.019	0.018	0.025	0.020	0.024	0.023
Vanadium [µg/g]	41	27	23	25	24	17	6	7	21	22	29	54
Zinc [µg/g]	35	2.9	3.3	4.9	8.8	2.5	8.3	11	20	33	13	14

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical





SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - K0L 2H0

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0

Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

05-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15120-AUG14  
Reference: PO#396642

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	26: AKA14-ENV-02 2	27: AKA14-ENV-02 3	28: AKA14-ENV-02 4	29: AKA14-ENV-02 5	30: AKA14-ENV-02 6	31: AKA14-ENV-02 7	32: AKA14-ENV-02 8	33: AKA14-ENV-02 9	34: AKA14-ENV-03 0	35: AKA14-ENV-03 1	36: AKA14-ENV-03 2
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	< 1	< 1	1	1	< 1	< 1	< 1	< 1	< 1	< 1	1
Mercury [µg/g]	< 0.05	0.13	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver [µg/g]	0.52	0.29	0.08	0.03	0.04	0.08	0.05	0.16	0.19	0.08	0.22
Aluminum [µg/g]	7500	10000	12000	10000	5700	4300	4000	5900	9100	9900	7600
Arsenic [µg/g]	0.9	3.0	3.8	1.0	0.7	0.6	0.8	1.0	1.4	1.1	2.3
Boron [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Barium [µg/g]	56	18	22	31	12	9.5	15	11	12	7.5	8.4
Beryllium [µg/g]	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Bismuth [µg/g]	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.83	0.28	0.35	0.47
Calcium [µg/g]	9500	6300	6800	16000	6800	7100	11000	12000	2600	4600	2300
Cadmium [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02	0.05	< 0.02	< 0.02	0.03	0.05	< 0.02	0.1
Cobalt [µg/g]	21	11	14	11	5.1	5.2	4.5	9.1	15	8.5	15
Chromium [µg/g]	48	48	70	56	32	32	32	34	47	31	48
Copper [µg/g]	830	1400	150	79	79	170	160	320	210	130	310
Iron [µg/g]	17000	13000	17000	15000	6300	5400	5200	13000	16000	16000	12000
Potassium [µg/g]	7000	1500	1800	1100	440	460	570	510	670	460	590
Lithium [µg/g]	5	10	11	11	6	5	4	7	10	10	8
Magnesium [µg/g]	5900	11000	13000	9900	4200	3000	2800	4300	6700	7600	6900
Manganese [µg/g]	170	160	220	150	98	60	68	120	82	110	60
Molybdenum [µg/g]	16	13	9.6	9.8	100	7.8	5.6	10	22	5.3	14



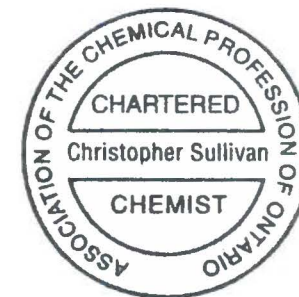
**SGS Canada Inc.**  
 P.O. Box 4300 - 185 Concession St.  
 Lakefield - Ontario - KOL 2H0  
 Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : CA15120-AUG14

Analysis	26: AKA14-ENV-02 2	27: AKA14-ENV-02 3	28: AKA14-ENV-02 4	29: AKA14-ENV-02 5	30: AKA14-ENV-02 6	31: AKA14-ENV-02 7	32: AKA14-ENV-02 8	33: AKA14-ENV-02 9	34: AKA14-ENV-03 0	35: AKA14-ENV-03 1	36: AKA14-ENV-03 2
Sodium [µg/g]	200	180	190	150	280	280	230	230	180	250	200
Nickel [µg/g]	18	37	45	49	8.9	7.1	6.4	11	36	14	23
Phosphorus [µg/g]	340	540	730	680	330	300	340	370	530	760	510
Lead [µg/g]	0.18	0.54	2.2	2.0	0.25	0.84	0.21	0.76	1.1	0.45	1.6
Antimony [µg/g]	< 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]	1.6	0.8	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	0.9
Silicon [µg/g]	780	960	1200	1100	1000	850	770	1000	1400	1500	1000
Tin [µg/g]	0.7	0.5	0.6	< 0.5	0.8	2.1	0.6	0.7	1.2	0.7	0.5
Strontium [µg/g]	8.9	22	40	100	16	13	15	14	8.6	8.1	13
Titanium [µg/g]	800	760	750	30	240	80	290	19	460	520	310
Thallium [µg/g]	0.06	0.06	0.06	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Uranium [µg/g]	0.047	0.13	0.57	0.58	0.058	0.049	0.056	0.16	0.27	0.061	0.20
Vanadium [µg/g]	17	18	24	13	4	2	3	5	18	17	9
Zinc [µg/g]	19	16	30	14	11	9.8	5.2	9.8	67	20	19

*Chris Sullivan, B.Sc., C.Chem*  
*Project Specialist*  
*Environmental Services, Analytical*





SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
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10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

Quebec MA200-Met 1.2 Digest

05-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15120-AUG14  
Reference: PO#396642

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	37: AKA14-ENV-03 3	38: AKA14-ENV-03 4	39: AKA14-ENV-03 5	40: AKA14-ENV-03 6	41: AKA14-ENV-03 7	42: AKA14-ENV-03 8	43: AKA14-ENV-03 9	44: AKA14-ENV-04 0	45: AKA14-ENV-04 1	46: AKA14-ENV-04 2	47: AKA14-ENV-04 3	48: AKA14-ENV-04 4
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	1	1	< 1	2	1	3	1	2	< 1	< 1	< 1	< 1
Mercury [µg/g]	< 0.05	0.16	0.07	0.10	0.18	0.11	0.06	0.29	< 0.05	0.07	< 0.05	< 0.05
Silver [µg/g]	0.18	1.1	0.61	0.74	1.0	2.7	0.65	2.5	0.15	0.50	0.07	0.07
Aluminum [µg/g]	7900	8400	3700	9200	8400	15000	6500	3300	3300	6000	4200	6700
Arsenic [µg/g]	1.2	2.1	1.5	2.9	4.9	3.7	3.1	2.2	3.0	4.0	3.5	2.5
Boron [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Barium [µg/g]	10	11	14	19	19	84	30	33	38	28	5.4	9.2
Beryllium [µg/g]	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.1
Bismuth [µg/g]	0.30	0.63	0.93	0.22	0.59	1.4	0.66	1.6	< 0.09	< 0.09	< 0.09	0.19
Calcium [µg/g]	2000	1900	7000	4300	12000	2900	16000	6700	20000	19000	6900	3500
Cadmium [µg/g]	0.02	0.1	0.03	0.05	0.06	0.10	0.07	0.04	< 0.02	0.02	< 0.02	< 0.02
Cobalt [µg/g]	7.6	14	8.4	14	13	18	12	6.0	8.9	18	8.7	12
Chromium [µg/g]	49	62	35	47	40	73	40	52	32	36	44	24
Copper [µg/g]	410	3400	1900	2100	2900	5600	1700	6100	410	720	97	110
Iron [µg/g]	11000	18000	12000	18000	14000	27000	16000	16000	22000	11000	4500	7400
Potassium [µg/g]	660	730	800	2200	4600	15000	3700	3100	1800	2900	290	730
Lithium [µg/g]	9	11	4	10	9	17	7	4	3	5	< 2	3
Magnesium [µg/g]	7200	6600	2700	8900	9000	15000	5900	2400	2300	5600	2600	5500
Manganese [µg/g]	67	110	68	110	120	120	210	86	320	250	69	97
Molybdenum [µg/g]	10	54	27	29	42	160	78	59	12	26	3.8	8.4



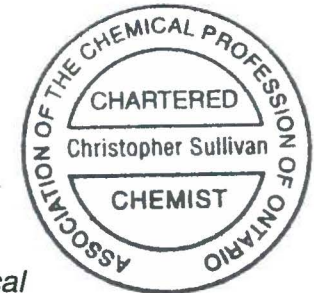
**SGS Canada Inc.**  
P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

**Quebec MA200-Met 1.2 Digest**

**LR Report : CA15120-AUG14**

Analysis	37: AKA14-ENV-03 3	38: AKA14-ENV-03 4	39: AKA14-ENV-03 5	40: AKA14-ENV-03 6	41: AKA14-ENV-03 7	42: AKA14-ENV-03 8	43: AKA14-ENV-03 9	44: AKA14-ENV-04 0	45: AKA14-ENV-04 1	46: AKA14-ENV-04 2	47: AKA14-ENV-04 3	48: AKA14-ENV-04 4
Sodium [µg/g]	190	130	200	210	130	130	160	81	220	220	410	230
Nickel [µg/g]	25	42	12	30	33	46	20	16	12	16	4.7	4.9
Phosphorus [µg/g]	450	680	350	550	530	940	560	480	490	290	320	290
Lead [µg/g]	0.34	16	3.2	3.1	1.4	2.2	1.3	0.82	0.17	1.3	0.26	0.09
Antimony [µg/g]	< 0.8	< 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]	< 0.7	2.9	1.6	2.0	2.6	4.7	2.4	5.1	< 0.7	1.3	< 0.7	< 0.7
Silicon [µg/g]	940	1200	660	790	630	470	560	460	620	630	680	840
Tin [µg/g]	0.6	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	0.5	0.6	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	9.1	6.1	16	14	20	11	52	15	17	14	10	6.1
Titanium [µg/g]	250	47	83	510	490	1100	350	250	1700	470	280	290
Thallium [µg/g]	< 0.02	< 0.02	< 0.02	0.10	0.19	0.55	0.08	0.07	0.02	0.04	< 0.02	< 0.02
Uranium [µg/g]	0.13	0.91	0.32	1.9	0.21	2.3	0.21	0.29	0.050	0.026	0.022	0.015
Vanadium [µg/g]	9	10	2	19	14	33	11	16	110	14	5	5
Zinc [µg/g]	16	25	7.8	14	21	27	20	14	7.6	21	4.8	8.0

*Chris Sullivan, B.Sc., C.Chem*  
Project Specialist  
Environmental Services, Analytical







**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 : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
 , JOY 1C0  
 Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

Quebec MA200-Met 1.2 Digest

05-September-2014

**Date Rec. :** 08 August 2014  
**LR Report:** CA15120-AUG14  
**Reference:** PO#396642

**Copy:** #1

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	49: AKA14-ENV-04 5	50: AKA14-ENV-04 6	51: AKA14-ENV-04 7	52: AKA14-ENV-04 8	53: AKA14-ENV-04 9	54: AKA14-ENV-05 0	55: AKA14-ENV-05 1	56: AKA14-ENV-05 2	57: AKA14-ENV-05 3	58: AKA14-ENV-05 4	59: AKA14-ENV-05 5	60: AKA14-ENV-05 6
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2
Mercury [µg/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver [µg/g]	0.12	0.10	0.06	0.10	0.13	0.08	0.03	0.09	0.08	0.10	0.04	0.20
Aluminum [µg/g]	5300	5200	4700	5200	9000	11000	2900	3200	3900	5200	19000	15000
Arsenic [µg/g]	3.6	0.9	3.3	< 0.5	1.4	1.7	0.6	0.7	0.6	1.0	2.0	3.2
Boron [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Barium [µg/g]	8.8	7.9	8.0	8.4	20	21	7.8	8.9	7.9	8.2	8.7	130
Beryllium [µg/g]	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
Bismuth [µg/g]	< 0.09	0.15	0.24	0.44	0.46	0.27	< 0.09	< 0.09	< 0.09	0.21	< 0.09	0.21
Calcium [µg/g]	5500	12000	15000	14000	15000	13000	16000	9200	13000	18000	10000	12000
Cadmium [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02
Cobalt [µg/g]	9.5	7.6	5.0	6.5	16	17	7.3	4.4	6.1	6.4	20	14
Chromium [µg/g]	27	28	25	29	61	81	29	34	32	31	180	75
Copper [µg/g]	120	160	64	87	100	100	24	39	88	120	50	260
Iron [µg/g]	6400	10000	8000	8900	16000	18000	7700	3300	6500	8900	25000	24000
Potassium [µg/g]	870	370	400	310	740	640	490	390	340	430	340	16000
Lithium [µg/g]	2	7	7	8	11	13	4	4	6	8	18	19
Magnesium [µg/g]	3700	3800	3100	3800	7200	8900	2000	1900	2600	3800	20000	16000
Manganese [µg/g]	92	74	110	120	260	270	78	62	77	140	350	220
Molybdenum [µg/g]	6.4	2.1	0.6	8.4	5.5	5.6	1.0	0.7	1.2	3.7	1.9	7.8



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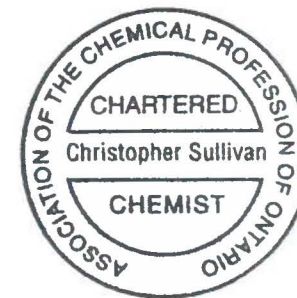
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Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : CA15120-AUG14

Analysis	49: AKA14-ENV-04 5	50: AKA14-ENV-04 6	51: AKA14-ENV-04 7	52: AKA14-ENV-04 8	53: AKA14-ENV-04 9	54: AKA14-ENV-05 0	55: AKA14-ENV-05 1	56: AKA14-ENV-05 2	57: AKA14-ENV-05 3	58: AKA14-ENV-05 4	59: AKA14-ENV-05 5	60: AKA14-ENV-05 6
Sodium [µg/g]	260	330	340	320	110	140	250	280	320	290	67	160
Nickel [µg/g]	4.6	8.5	7.1	7.8	41	45	6.4	4.2	6.9	8.0	103	30
Phosphorus [µg/g]	290	270	250	250	520	560	220	190	230	280	390	1000
Lead [µg/g]	0.16	0.30	0.78	0.61	1.6	1.8	0.39	0.12	0.17	0.52	1.3	1.1
Antimony [µg/g]	< 0.8	< 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]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	780	920	890	980	1400	1500	630	690	770	990	1900	580
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	6.1	13	15	16	47	42	18	17	14	20	24	42
Titanium [µg/g]	260	13	8.4	9.7	73	47	14	72	13	6.3	250	1100
Thallium [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.26
Uranium [µg/g]	0.022	0.052	0.073	0.047	0.96	0.97	0.062	0.043	0.038	0.048	0.50	0.30
Vanadium [µg/g]	6	5	3	5	12	16	2	2	2	4	36	61
Zinc [µg/g]	8.0	6.5	7.8	7.8	22	27	3.9	5.7	4.6	8.4	34	32

  
 Chris Sullivan, B.Sc., C.Chem  
 Project Specialist  
 Environmental Services, Analytical





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 : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

Quebec MA200-Met 1.2 Digest

05-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15120-AUG14  
Reference: PO#396642

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## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	61: AKA14-ENV-05 7	62: AKA14-ENV-05 8	63: AKA14-ENV-05 9	64: AKA14-ENV-06 0	65: AKA14-ENV-06 1	66: AKA14-ENV-06 2	67: AKA14-ENV-06 3	68: AKA14-ENV-06 4	69: AKA14-ENV-06 5	70: AKA14-ENV-06 6
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	2	2	< 1	< 1	< 1	< 1	< 1	1	< 1	1
Mercury [µg/g]	0.05	0.12	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05
Silver [µg/g]	0.63	0.34	0.08	0.04	0.17	0.11	0.15	0.48	0.15	0.10
Aluminum [µg/g]	7200	6900	2300	6000	4300	7000	3600	9900	4400	7100
Arsenic [µg/g]	2.5	3.0	1.5	1.4	3.2	0.7	1.3	2.2	0.9	2.8
Boron [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Barium [µg/g]	62	71	12	12	40	23	8.1	11	13	8.5
Beryllium [µg/g]	0.2	0.2	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1
Bismuth [µg/g]	2.6	0.65	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.83	0.10	0.14
Calcium [µg/g]	11000	18000	27000	21000	19000	9400	13000	5400	9600	2500
Cadmium [µg/g]	0.10	0.03	< 0.02	0.03	< 0.02	< 0.02	< 0.02	0.04	0.03	< 0.02
Cobalt [µg/g]	8.3	6.8	2.4	5.2	12	11	9.1	23	5.2	13
Chromium [µg/g]	44	42	40	91	30	96	28	36	34	25
Copper [µg/g]	450	420	110	75	450	260	350	1100	520	360
Iron [µg/g]	11000	13000	6200	6100	27000	10000	4900	24000	7600	13000
Potassium [µg/g]	6700	5500	89	480	2800	2000	510	700	520	850
Lithium [µg/g]	9	8	< 2	5	3	5	2	13	5	8
Magnesium [µg/g]	7900	6500	850	6900	3200	6600	2500	7700	2900	5700
Manganese [µg/g]	100	170	380	270	310	240	130	93	64	63
Molybdenum [µg/g]	14	2.2	2.0	4.4	20	3.8	11	30	34	3.9



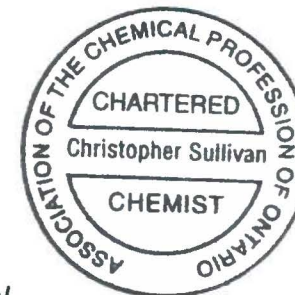
**SGS Canada Inc.**  
 P.O. Box 4300 - 185 Concession St.  
 Lakefield - Ontario - K0L 2H0  
 Phone: 705-652-2000 FAX: 705-652-6365

**Quebec MA200-Met 1.2 Digest**

**LR Report : CA15120-AUG14**

Analysis	61: AKA14-ENV-05 7	62: AKA14-ENV-05 8	63: AKA14-ENV-05 9	64: AKA14-ENV-06 0	65: AKA14-ENV-06 1	66: AKA14-ENV-06 2	67: AKA14-ENV-06 3	68: AKA14-ENV-06 4	69: AKA14-ENV-06 5	70: AKA14-ENV-06 6
Sodium [µg/g]	190	180	130	240	210	180	260	110	290	170
Nickel [µg/g]	18	17	6.4	28	16	26	4.2	36	8.7	14
Phosphorus [µg/g]	620	670	160	540	450	110	300	530	360	710
Lead [µg/g]	9.6	1.2	0.43	2.2	0.18	0.16	0.36	1.00	0.90	0.30
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	1.2	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	0.8	1.5	< 0.7	< 0.7
Silicon [µg/g]	470	560	740	800	710	740	760	1700	910	1000
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	39	61	16	23	12	7.9	10	8.9	17	8.6
Titanium [µg/g]	490	500	770	250	1700	810	290	41	64	360
Thallium [µg/g]	0.14	0.15	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Uranium [µg/g]	0.28	0.22	0.048	0.11	0.043	0.016	0.023	0.21	0.13	0.073
Vanadium [µg/g]	10	15	19	13	130	36	6	13	6	8
Zinc [µg/g]	37	26	3.2	30	9.7	14	7.1	14	14	9.9

  
 Chris Sullivan, B.Sc., C.Chem  
 Project Specialist  
 Environmental Services, Analytical





SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - K0L 2H0

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0

Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

Quebec MA200-Met 1.2 Digest

05-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15120-AUG14  
Reference: PO#396642

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	71: AKA14-ENV-06 7	72: AKA14-ENV-06 8	73: AKA14-ENV-06 9	74: AKA14-ENV-07 0	75: AKA14-ENV-07 1	76: AKA14-ENV-07 2	77: AKA14-ENV-07 3	78: AKA14-ENV-07 4	79: AKA14-ENV-07 5	80: AKA14-ENV-07 6
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Mercury [µg/g]	0.07	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver [µg/g]	0.61	0.04	0.05	0.14	0.08	0.03	0.01	0.02	0.23	0.15
Aluminum [µg/g]	7800	8000	5800	3500	12000	4600	5300	6400	4000	5200
Arsenic [µg/g]	2.8	1.9	1.9	2.1	1.9	0.7	0.6	0.5	0.9	0.9
Boron [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Barium [µg/g]	12	8.1	11	13	20	11	10	11	11	10
Beryllium [µg/g]	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Bismuth [µg/g]	0.10	< 0.09	< 0.09	< 0.09	0.12	0.16	< 0.09	< 0.09	1.1	0.11
Calcium [µg/g]	2300	7700	11000	7700	11000	5500	4900	10000	11000	15000
Cadmium [µg/g]	0.03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Cobalt [µg/g]	16	8.2	7.4	8.6	19	5.8	4.4	5.5	8.5	6.3
Chromium [µg/g]	35	34	31	45	79	31	41	31	33	31
Copper [µg/g]	2100	140	240	150	130	99	45	61	420	220
Iron [µg/g]	13000	13000	11000	6500	21000	5300	6100	8500	14000	9200
Potassium [µg/g]	780	390	660	1500	730	450	320	410	540	450
Lithium [µg/g]	8	7	5	< 2	14	6	7	9	6	8
Magnesium [µg/g]	6600	6600	4800	2200	9700	3300	3700	4800	2900	3600
Manganese [µg/g]	70	210	210	120	270	90	120	170	73	79
Molybdenum [µg/g]	42	1.0	1.3	0.8	4.2	1.5	1.3	1.2	4.5	3.7



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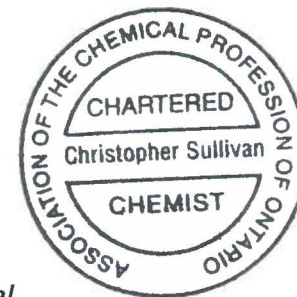
P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

Quebec MA200-Met 1.2 Digest

LR Report : CA15120-AUG14

Analysis	71: AKA14-ENV-06 7	72: AKA14-ENV-06 8	73: AKA14-ENV-06 9	74: AKA14-ENV-07 0	75: AKA14-ENV-07 1	76: AKA14-ENV-07 2	77: AKA14-ENV-07 3	78: AKA14-ENV-07 4	79: AKA14-ENV-07 5	80: AKA14-ENV-07 6
Sodium [µg/g]	160	290	320	130	140	260	280	280	250	350
Nickel [µg/g]	18	12	12	16	53	7.9	8.2	9.2	9.4	8.4
Phosphorus [µg/g]	660	790	630	190	580	290	320	320	360	240
Lead [µg/g]	0.38	0.29	0.19	0.13	2.0	0.22	0.19	0.18	0.53	0.42
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	1.8	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	0.9	< 0.7
Silicon [µg/g]	860	1300	860	610	1600	790	840	980	620	710
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	7.9	12	12	7.5	42	16	15	16	12	16
Titanium [µg/g]	260	440	420	680	210	220	91	20	6.2	5.6
Thallium [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Uranium [µg/g]	0.18	0.028	0.023	0.028	1.0	0.052	0.046	0.039	0.14	0.070
Vanadium [µg/g]	10	14	12	16	19	3	4	5	3	3
Zinc [µg/g]	12	20	12	4.5	28	13	20	23	7.7	6.7

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical





SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Blandine Arseneault

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700 x5401, Fax:(819) 759-3663

Quebec MA200-Met 1.2 Digest

05-September-2014

Date Rec. : 08 August 2014  
LR Report: CA15120-AUG14  
Reference: PO#396642

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	81: AKA14-ENV-07 7	82: AKA14-ENV-07 8	83: AKA14-ENV-07 9	84: AKA14-ENV-08 0	85: AKA14-ENV-08 1	86: AKA14-ENV-08 2	87: AKA14-ENV-08 3	88: AKA14-ENV-08 4	89: AKA14-ENV-08 5	90: AKA14-ENV-08 6
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1	< 1	< 1
Mercury [µg/g]	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver [µg/g]	0.05	0.06	0.06	0.03	0.07	0.03	0.09	0.08	0.06	0.04
Aluminum [µg/g]	5400	7400	7100	5100	5400	4900	4900	9900	5200	4000
Arsenic [µg/g]	1.4	1.1	0.8	0.8	0.6	0.9	0.6	0.9	0.8	0.6
Boron [µg/g]	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Barium [µg/g]	9.6	12	16	10	98	73	80	220	66	67
Beryllium [µg/g]	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.1
Bismuth [µg/g]	0.21	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	16000	18000	11000	3800	4100	4800	4200	5700	3600	4200
Cadmium [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Cobalt [µg/g]	6.4	9.9	7.0	7.0	6.4	9.4	7.5	11	10	7.8
Chromium [µg/g]	31	36	53	33	71	66	71	90	70	58
Copper [µg/g]	58	160	92	230	170	52	160	80	100	73
Iron [µg/g]	10000	10000	9600	7000	5900	5600	5600	11000	6700	4700
Potassium [µg/g]	600	780	340	450	3500	2600	3100	8200	2700	2200
Lithium [µg/g]	8	10	9	6	4	4	4	7	5	3
Magnesium [µg/g]	4100	5700	6100	3900	5000	4700	4300	10000	5200	3300
Manganese [µg/g]	110	190	180	78	100	82	80	180	97	74
Molybdenum [µg/g]	3.1	2.9	2.1	3.1	4.4	9.8	13	1.9	1.2	2.2



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

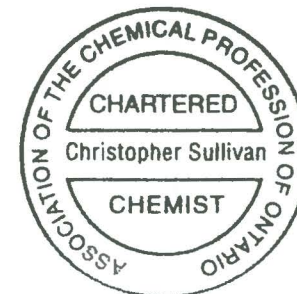
Quebec MA200-Met 1.2 Digest

LR Report : CA15120-AUG14

Analysis	81: AKA14-ENV-07 7	82: AKA14-ENV-07 8	83: AKA14-ENV-07 9	84: AKA14-ENV-08 0	85: AKA14-ENV-08 1	86: AKA14-ENV-08 2	87: AKA14-ENV-08 3	88: AKA14-ENV-08 4	89: AKA14-ENV-08 5	90: AKA14-ENV-08 6
Sodium [µg/g]	290	180	290	270	360	320	370	330	370	390
Nickel [µg/g]	11	23	18	9.5	24	32	24	50	32	21
Phosphorus [µg/g]	250	360	390	320	510	500	490	810	530	510
Lead [µg/g]	0.47	0.53	0.20	0.18	1.1	0.40	0.33	0.47	0.45	0.33
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	700	990	810	740	360	390	380	410	400	490
Tin [µg/g]	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Strontium [µg/g]	23	24	26	18	24	26	26	38	24	29
Titanium [µg/g]	6.3	180	380	410	520	490	570	860	530	480
Thallium [µg/g]	< 0.02	< 0.02	< 0.02	< 0.02	0.03	0.02	< 0.02	0.09	0.02	< 0.02
Uranium [µg/g]	0.083	0.17	0.14	0.051	0.18	0.16	0.22	0.28	0.19	0.23
Vanadium [µg/g]	4	6	12	4	12	9	12	25	11	8
Zinc [µg/g]	7.7	19	13	9.8	15	10.0	10	25	14	9.2

Extractable Metals Analysis (Quebec MA200 Met1.2)  
Fluoride (Quebec MA300 F1.2)

Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical







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 : Blandine Arseneault

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0,

Phone: (819) 759-3700 x5401  
Fax:(819) 759-3663

NAG Test

29-December-2014

Date Rec. : 22 December 2014  
LR Report: CA11026-DEC14  
Reference: PO 396642

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA-ENV-046	6: AKA-ENV-051	7: AKA-ENV-076	8: AKA-ENV-077	9: AKA-ENV-029	10: AKA-ENV-030	11: AKA-ENV-032	12: AKA-ENV-075
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	24-Dec-14	12:37	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Vol H2O2 [mL]	24-Dec-14	12:37	150	150	150	150	150	150	150	150
Final pH	24-Dec-14	12:37	11.11	11.26	11.17	11.18	10.98	3.13	3.16	10.58
NaOH [Normality]	24-Dec-14	12:37	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Vol NaOH to PH 4.5 [mL]	24-Dec-14	12:37	0.00	0.00	0.00	0.00	0.00	2.13	1.56	0.00
Vol NaOH to PH 7.0 [mL]	24-Dec-14	12:37	0.00	0.00	0.00	0.00	0.00	3.06	2.33	0.00
NAG (pH 4.5) [kg H2SO4/tonne]	24-Dec-14	12:37	0.0	0.0	0.0	0.0	0.0	6.9	5.2	0.0
NAG (pH 7.0) [kg H2SO4/tonne]	24-Dec-14	12:37	0.0	0.0	0.0	0.0	0.0	9.9	7.7	0.0

NAG = (49 x Vol. of base x N of base)/sample weight  
kg H2SO4/tonne



**SGS Canada Inc.**

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

**NAG Test**

**LR Report :**

**CA11026-DEC14**

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

**SGS Canada Inc.**

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

Project : PO#396642

10-February-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0,

Date Rec. : 22 January 2015  
LR Report: CA11028-JAN15

Copy: #1

Phone: 819.759.3700 x5820  
Fax:(819) 759-3663

## CERTIFICATE OF ANALYSIS

### Final Report

Sample ID	Sample weight g	Vol H2O2 mL	Final pH	Sulphate mg/L
3: Analysis Approval Date	26-Jan-15	26-Jan-15	26-Jan-15	29-Jan-15
4: Analysis Approval Time	07:54	07:54	07:54	12:56
5: AKA-ENV-046	2.5	250	11.01	43
6: AKA-ENV-051	2.5	250	11.07	50
7: AKA-ENV-076	2.5	250	10.99	39
8: AKA-ENV-077	2.5	250	11.00	40
9: AKA-ENV-029	2.5	250	10.64	49
10: AKA-ENV-030	2.5	250	3.07	120
11: AKA-ENV-032	2.5	250	3.15	100
12: AKA-ENV-075	2.5	250	10.37	90
13-DUP: AKA-ENV-075	2.5	250	10.40	93
14-BLK: ~H2O2 Blank	---	250	4.52	< 2

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

**SGS Canada Inc.**

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

14-November-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

 10200, route de Pressac, Rouyn-Noranda  
 , JOY 1C0  
 Phone: (819) 759-3700, Fax:(819) 759-3663

**Date Rec. :** 07 November 2014  
**LR Report:** CA15078-NOV14  
**Reference:** PO#396642

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	11-Nov-14	10:44	40	40	40
Ext Fluid [#1 or #2]	11-Nov-14	10:44	1.0	1.0	1.0
Ext Volume [mL]	11-Nov-14	10:44	800	800	800
Initial pH	11-Nov-14	10:44	9.44	9.25	9.48
Final pH	11-Nov-14	10:44	9.19	8.68	9.27
Sulphate [mg/L]	14-Nov-14	09:51	5.9	170	5.5
Chloride [mg/L]	14-Nov-14	09:51	< 2	< 2	< 2
Nitrite (as N) [mg/L]	14-Nov-14	09:51	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	14-Nov-14	09:51	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	14-Nov-14	09:51	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	11-Nov-14	13:22	< 0.03	< 0.03	< 0.03
pH [no unit]	13-Nov-14	09:17	7.57	7.24	7.49
Conductivity [µS/cm]	13-Nov-14	09:17	56	426	59
Alkalinity [mg/L as CaCO3]	13-Nov-14	09:17	17	12	17
Mercury [mg/L]	13-Nov-14	08:18	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	12-Nov-14	11:16	0.31	0.10	0.28
Arsenic [mg/L]	13-Nov-14	16:31	0.0028	0.0004	0.0026
Silver [mg/L]	13-Nov-14	16:31	0.000014	< 0.000002	0.000009
Barium [mg/L]	13-Nov-14	16:31	0.0030	0.0223	0.0026
Beryllium [mg/L]	13-Nov-14	16:31	< 0.000007	< 0.000007	< 0.000007
Boron [mg/L]	13-Nov-14	16:31	0.0013	0.0083	0.0018
Bismuth [mg/L]	13-Nov-14	16:31	0.000028	< 0.000007	0.000023
Calcium [mg/L]	12-Nov-14	11:16	8.77	75.5	7.80
Cadmium [mg/L]	13-Nov-14	16:33	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	13-Nov-14	16:33	0.000044	0.000020	0.000035
Chromium [mg/L]	13-Nov-14	16:33	0.00027	0.00009	0.00023
Copper [mg/L]	13-Nov-14	16:33	0.00600	0.00062	0.00458
Iron [mg/L]	12-Nov-14	11:16	0.138	< 0.002	0.104
Potassium [mg/L]	12-Nov-14	11:16	3.95	5.28	3.83
Lithium [mg/L]	13-Nov-14	16:33	0.000920	0.000705	0.000824

**SGS Canada Inc.**

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

LR Report : CA15078-NOV14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Magnesium [mg/L]	12-Nov-14	11:16	0.254	0.483	0.238
Manganese [mg/L]	12-Nov-14	11:16	0.0085	0.0026	0.0015
Molybdenum [mg/L]	13-Nov-14	16:33	0.00360	0.00293	0.00406
Sodium [mg/L]	12-Nov-14	11:16	2.83	2.00	1.07
Nickel [mg/L]	13-Nov-14	16:33	0.0003	0.0001	0.0002
Phosphorus [mg/L]	12-Nov-14	11:16	0.028	0.009	0.028
Lead [mg/L]	12-Nov-14	11:16	< 0.007	< 0.007	< 0.007
Antimony [mg/L]	13-Nov-14	16:33	0.0011	0.0004	0.0009
Selenium [mg/L]	13-Nov-14	16:33	0.002	< 0.001	0.002
Tin [mg/L]	13-Nov-14	16:33	0.00013	0.00004	0.00004
Strontium [mg/L]	13-Nov-14	16:33	0.0209	0.677	0.0209
Silicon [mg/L]	12-Nov-14	11:16	3.16	1.40	3.03
Titanium [mg/L]	13-Nov-14	16:33	0.00533	0.00008	0.00406
Thallium [mg/L]	13-Nov-14	16:33	0.000009	0.000017	0.000009
Uranium [mg/L]	13-Nov-14	16:33	0.000177	0.000060	0.000170
Vanadium [mg/L]	13-Nov-14	16:33	0.00144	0.00007	0.00123
Zinc [mg/L]	12-Nov-14	11:16	< 0.002	< 0.002	< 0.002

Quebec SPLP1312- (MA. 100 -Li x. com. 1. 1)




---

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

**SGS Canada Inc.**

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

14-November-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

 10200, route de Pressac, Rouyn-Noranda  
 , JOY 1C0  
 Phone: (819) 759-3700, Fax:(819) 759-3663

**Date Rec. :** 07 November 2014  
**LR Report:** CA15079-NOV14  
**Reference:** PO#396642

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	6: RE-12578	7: RE-12588	8: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	11-Nov-14	10:45	40	40	40
Ext Fluid [#1 or #2]	11-Nov-14	10:45	1.0	1.0	2.0
Ext Volume [mL]	11-Nov-14	10:45	800	800	800
Initial pH	11-Nov-14	10:45	5.12	5.54	3.92
Final pH	11-Nov-14	10:45	5.25	6.20	3.99
pH [no unit]	13-Nov-14	09:18	5.27	6.87	3.97
Conductivity [ $\mu$ S/cm]	13-Nov-14	09:18	5480	6920	1280
Alkalinity [mg/L as CaCO <sub>3</sub> ]	13-Nov-14	09:18	1920	2990	< 2
Sulphate [mg/L]	14-Nov-14	09:52	4.4	180	8.8
Chloride [mg/L]	14-Nov-14	09:52	< 20	< 20	< 20
Nitrite (as N) [mg/L]	14-Nov-14	09:52	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	14-Nov-14	09:52	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	14-Nov-14	09:52	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	14-Nov-14	09:52	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	11-Nov-14	13:22	< 0.03	< 0.03	0.04
Mercury [mg/L]	13-Nov-14	08:18	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	12-Nov-14	11:32	0.18	< 0.01	2.84
Arsenic [mg/L]	13-Nov-14	16:34	0.0010	0.0005	0.0022
Silver [mg/L]	13-Nov-14	16:34	0.000002	0.000002	0.000002
Barium [mg/L]	13-Nov-14	16:34	0.274	0.358	0.362
Boron [mg/L]	13-Nov-14	16:34	0.0030	0.0106	0.0030
Beryllium [mg/L]	13-Nov-14	16:34	0.000220	0.000023	0.000727
Bismuth [mg/L]	13-Nov-14	16:34	0.000012	< 0.000007	0.000073
Calcium [mg/L]	12-Nov-14	11:32	257	781	285
Cadmium [mg/L]	13-Nov-14	16:34	0.000107	0.000163	0.000169
Chromium [mg/L]	13-Nov-14	16:34	0.0012	0.0001	0.0107
Cobalt [mg/L]	13-Nov-14	16:34	0.00267	0.00167	0.00570
Copper [mg/L]	13-Nov-14	16:34	0.238	0.0216	0.765

**SGS Canada Inc.**

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

LR Report : CA15079-NOV14

Analysis	3:	4:	6:	7:	8:
	Analysis Approval Date	Analysis Approval Time	RE-12578	RE-12588	RE-12554
Iron [mg/L]	12-Nov-14	11:32	1.92	0.039	12.1
Potassium [mg/L]	12-Nov-14	11:32	48.0	39.9	29.6
Lithium [mg/L]	12-Nov-14	11:32	< 0.1	< 0.1	< 0.1
Magnesium [mg/L]	12-Nov-14	11:32	2.28	4.01	3.57
Manganese [mg/L]	12-Nov-14	11:32	1.68	5.40	1.87
Molybdenum [mg/L]	13-Nov-14	16:34	0.00049	0.00125	0.00009
Sodium [mg/L]	12-Nov-14	11:32	1340	1400	2.91
Nickel [mg/L]	13-Nov-14	16:34	0.0103	0.0124	0.0228
Phosphorus [mg/L]	12-Nov-14	11:32	0.014	0.015	0.071
Lead [mg/L]	12-Nov-14	11:32	< 0.007	0.008	< 0.007
Antimony [mg/L]	13-Nov-14	16:34	0.0011	0.0004	0.0011
Selenium [mg/L]	13-Nov-14	16:34	< 0.001	< 0.001	< 0.001
Tin [mg/L]	13-Nov-14	16:34	0.00012	0.00007	0.00010
Strontium [mg/L]	13-Nov-14	16:34	0.509	1.86	0.516
Silicon [mg/L]	12-Nov-14	11:32	3.81	2.17	7.27
Titanium [mg/L]	13-Nov-14	16:34	0.00011	0.00011	0.00047
Thallium [mg/L]	13-Nov-14	16:34	0.000430	0.000313	0.000412
Uranium [mg/L]	13-Nov-14	16:34	0.00202	0.00069	0.00360
Vanadium [mg/L]	13-Nov-14	16:34	0.00004	0.00003	0.00054
Zinc [mg/L]	12-Nov-14	11:32	0.032	0.008	0.066

Quebec TCLP1311-(MA. 100 -Li x. com. 1. 1)




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

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

08-October-2014

**Agnico Eagle Mines Limited**  
Attn : Yanick Bergeron

Date Rec. : 26 September 2014  
LR Report: CA15442-SEP14  
Reference: PO#396642

10200, route de Pressac  
Rouyn-Noranda, Quebec  
JOY 1C0,

Copy: #1

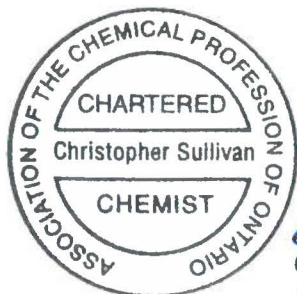
Phone: (819) 759-3700  
Fax:(819) 759-3663

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	30-Sep-14	15:07	2.01	2.02	2.00
Initial pH	30-Sep-14	15:07	9.73	9.58	9.65
Vol H2SO4 [mL]	30-Sep-14	15:07	0.50	1.40	0.60
H2SO4 [Normality]	30-Sep-14	15:07	1.00	1.00	1.00
NP [kg CaCO3/ tonne]	30-Sep-14	15:07	12	35	15
AP [kg CaCO3/ tonne]	---	---	0.94	1.25	0.94
NNP [kg CaCO3/ tonne]	---	---	11	33	14
Sulphur (total) [%]	03-Oct-14	09:20	0.052	0.134	0.044
Acid Leachable SO4-S [%]	---	---	0.02	0.09	0.01
Sulphide [%]	03-Oct-14	09:20	0.03	0.04	0.03
Carbon (total) [%]	03-Oct-14	11:25	0.169	0.453	0.169
Carbonate [%]	03-Oct-14	11:25	0.624	1.94	0.654

Quebec MA110 ACISOL 1.0



*Chris Sullivan, B.Sc., C.Chem*  
Project Specialist  
Environmental Services, Analytical





## SGS Canada Inc.

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

08-October-2014

## Agnico Eagle Mines Limited

Attn : Yanick Bergeron

Date Rec. : 26 September 2014

LR Report: CA15441-SEP14

Reference: PO#396642

10200, route de Pressac  
 Rouyn-Noranda, Quebec  
 J0Y 1C0,

Copy: #1

Phone: (819) 759-3700

Fax:(819) 759-3663

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	01-Oct-14	15:56	< 1	< 1	< 1
Mercury [µg/g]	06-Oct-14	09:19	0.05	< 0.05	0.05
Silver [µg/g]	03-Oct-14	12:09	0.54	0.17	0.49
Aluminum [µg/g]	03-Oct-14	12:09	7100	5400	7200
Arsenic [µg/g]	03-Oct-14	11:03	2.5	1.7	2.5
Boron [µg/g]	03-Oct-14	11:03	< 1	< 1	< 1
Barium [µg/g]	03-Oct-14	11:03	48	80	47
Beryllium [µg/g]	03-Oct-14	11:03	0.1	0.1	0.2
Bismuth [µg/g]	03-Oct-14	11:03	0.71	0.32	0.55
Calcium [µg/g]	03-Oct-14	13:10	7500	18000	7500
Cadmium [µg/g]	03-Oct-14	11:03	0.04	< 0.02	0.03
Cobalt [µg/g]	03-Oct-14	11:03	7.4	4.2	7.2
Chromium [µg/g]	03-Oct-14	11:03	21	31	24
Copper [µg/g]	03-Oct-14	11:03	570	150	440
Iron [µg/g]	03-Oct-14	13:10	15000	12000	15000
Potassium [µg/g]	03-Oct-14	13:10	5700	3100	5700
Lithium [µg/g]	03-Oct-14	11:03	8	5	8
Magnesium [µg/g]	03-Oct-14	13:10	7200	5600	7300
Manganese [µg/g]	03-Oct-14	11:03	140	220	130
Molybdenum [µg/g]	03-Oct-14	11:03	20	5.7	14
Sodium [µg/g]	03-Oct-14	13:10	60	120	63
Nickel [µg/g]	03-Oct-14	11:03	21	17	21
Phosphorus [µg/g]	03-Oct-14	13:10	690	590	670
Lead [µg/g]	03-Oct-14	11:03	1.2	0.85	1.1
Antimony [µg/g]	03-Oct-14	11:03	0.9	< 0.8	0.9
Selenium [µg/g]	03-Oct-14	11:03	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	03-Oct-14	13:10	460	500	450
Tin [µg/g]	03-Oct-14	11:03	< 0.5	0.6	< 0.5

SGS Canada Inc.

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

LR Report : CA15441-SEP14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Strontium [µg/g]	03-Oct-14	11:03	19	47	20
Titanium [µg/g]	03-Oct-14	11:03	560	380	560
Thallium [µg/g]	03-Oct-14	11:03	0.18	0.06	0.17
Uranium [µg/g]	03-Oct-14	11:03	0.57	0.39	0.57
Vanadium [µg/g]	03-Oct-14	11:03	17	18	17
Zinc [µg/g]	03-Oct-14	11:03	26	18	26

Extractable Metals Analysis (Quebec MA200 Met1.2)  
 Fluoride (Quebec MA300 F1.2)



*Chris Sullivan, B.Sc., C.Chem*  
*Project Specialist*  
*Environmental Services, Analytical*

**SGS Canada Inc.**

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

08-October-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

Date Rec. : 26 September 2014

LR Report: CA15443-SEP14

Reference: PO#396642

10200, route de Pressac  
 Rouyn-Noranda, Quebec  
 J0Y 1C0,

Copy: #1

Phone: (819) 759-3700

Fax:(819) 759-3663

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	30-Sep-14	15:05	40	40	40
Ext Fluid [#1 or #2]	30-Sep-14	15:05	1.0	1.0	1.0
Ext Volume [mL]	30-Sep-14	15:05	800	800	800
Initial pH	30-Sep-14	15:05	9.61	9.66	9.56
Final pH	30-Sep-14	15:05	9.21	8.98	8.38
Sulphate [mg/L]	01-Oct-14	08:27	5.6	5.5	170
Chloride [mg/L]	01-Oct-14	08:27	< 2	< 2	< 2
Nitrite (as N) [mg/L]	01-Oct-14	08:27	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	01-Oct-14	08:27	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	01-Oct-14	08:27	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	30-Sep-14	15:37	< 0.03	< 0.03	< 0.03
pH [no unit]	01-Oct-14	15:39	7.59	7.56	7.06
Conductivity [µS/cm]	01-Oct-14	15:39	72	57	416
Alkalinity [mg/L as CaCO3]	01-Oct-14	15:39	20	20	11
Mercury [mg/L]	01-Oct-14	10:08	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	02-Oct-14	08:43	0.32	0.26	0.11
Arsenic [mg/L]	02-Oct-14	12:55	0.0024	0.0022	0.0004
Silver [mg/L]	02-Oct-14	12:55	< 0.000002	< 0.000002	< 0.000002
Barium [mg/L]	02-Oct-14	12:55	0.00223	0.00216	0.0189
Beryllium [mg/L]	02-Oct-14	12:55	< 0.000007	< 0.000007	< 0.000007
Boron [mg/L]	02-Oct-14	12:55	0.0015	0.0011	0.0091
Bismuth [mg/L]	02-Oct-14	12:55	0.000019	0.000015	< 0.000007
Calcium [mg/L]	02-Oct-14	08:43	7.50	7.38	72.1
Cadmium [mg/L]	02-Oct-14	12:55	0.000005	0.000004	< 0.000003
Cobalt [mg/L]	02-Oct-14	12:55	0.000062	0.000049	0.000084
Chromium [mg/L]	02-Oct-14	12:55	0.00023	0.00010	< 0.00003
Copper [mg/L]	02-Oct-14	12:55	0.00488	0.00438	0.00214
Iron [mg/L]	02-Oct-14	08:43	0.117	0.094	< 0.002

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

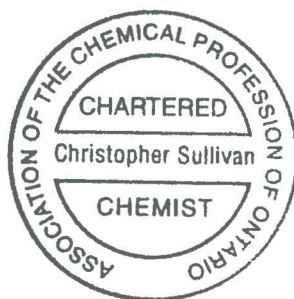
Lakefield - Ontario - KOL 2H0

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

LR Report : CA15443-SEP14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Potassium [mg/L]	02-Oct-14	08:43	3.92	3.57	4.72
Lithium [mg/L]	02-Oct-14	12:55	0.000801	0.000809	0.000527
Magnesium [mg/L]	02-Oct-14	08:43	0.244	0.226	0.468
Manganese [mg/L]	02-Oct-14	08:43	0.0015	0.0011	0.0010
Molybdenum [mg/L]	02-Oct-14	12:55	0.00471	0.00427	0.00325
Sodium [mg/L]	02-Oct-14	08:43	0.61	0.70	1.05
Nickel [mg/L]	02-Oct-14	12:55	0.0003	0.0003	0.0003
Phosphorus [mg/L]	02-Oct-14	08:43	0.025	0.040	0.011
Lead [mg/L]	02-Oct-14	08:43	< 0.007	< 0.007	< 0.007
Antimony [mg/L]	02-Oct-14	12:55	0.0011	0.0011	0.0005
Selenium [mg/L]	02-Oct-14	12:55	0.001	0.001	< 0.001
Tin [mg/L]	02-Oct-14	12:55	0.00005	0.00006	0.00008
Strontium [mg/L]	02-Oct-14	12:55	0.0208	0.0206	0.637
Silicon [mg/L]	02-Oct-14	08:43	2.90	2.82	1.29
Titanium [mg/L]	02-Oct-14	12:54	0.00392	0.00356	0.00016
Thallium [mg/L]	02-Oct-14	12:54	0.000008	0.000007	0.000014
Uranium [mg/L]	02-Oct-14	12:54	0.000372	0.000216	0.000049
Vanadium [mg/L]	02-Oct-14	12:54	0.00144	0.00128	0.00011
Zinc [mg/L]	02-Oct-14	08:43	< 0.002	< 0.002	< 0.002

Quebec SPLP1312-(MA. 100 -Lix.com.1.1)



Chris Sullivan, B.Sc., C.Chem  
 Project Specialist  
 Environmental Services, Analytical

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

08-October-2014

**Agnico Eagle Mines Limited**  
 Attn : Yanick Bergeron

**Date Rec. :** 26 September 2014  
**LR Report:** CA15444-SEP14  
**Reference:** PO#396642

10200, route de Pressac  
 Rouyn-Noranda, Quebec  
 J0Y 1C0,

**Copy:** #1

Phone: (819) 759-3700  
 Fax:(819) 759-3663

## CERTIFICATE OF ANALYSIS

### Final Report

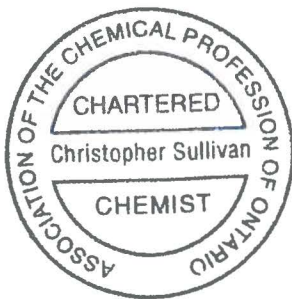
Analysis	3: Analysis Approval Date	4: Analysis Approval Time	6: RE-12578	7: RE-12588	8: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	30-Sep-14	14:15	20	20	20
Ext Fluid [#1 or #2]	30-Sep-14	14:15	1.0	1.0	2.0
Ext Volume [mL]	30-Sep-14	14:15	400	400	400
Initial pH	30-Sep-14	14:15	5.03	5.01	4.22
Final pH	30-Sep-14	14:15	5.23	5.21	4.44
pH [no unit]	08-Oct-14	11:29	5.19	5.18	4.33
Conductivity [µS/cm]	08-Oct-14	11:29	5390	5400	2920
Alkalinity [mg/L as CaCO3]	08-Oct-14	11:29	1730	1730	< 2
Sulphate [mg/L]	01-Oct-14	08:30	3.5	4.0	180
Chloride [mg/L]	01-Oct-14	08:30	< 20	< 20	< 20
Nitrite (as N) [mg/L]	01-Oct-14	08:30	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	01-Oct-14	08:30	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	01-Oct-14	08:30	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	01-Oct-14	08:30	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	30-Sep-14	15:38	< 0.03	< 0.03	< 0.03
Mercury [mg/L]	01-Oct-14	10:08	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	02-Oct-14	08:44	0.24	0.22	2.86
Arsenic [mg/L]	02-Oct-14	12:55	0.0010	0.0012	0.0014
Silver [mg/L]	02-Oct-14	12:55	< 0.000002	< 0.000002	< 0.000002
Barium [mg/L]	02-Oct-14	12:55	0.271	0.264	0.307
Boron [mg/L]	02-Oct-14	12:55	0.0013	0.0013	0.0208
Beryllium [mg/L]	02-Oct-14	12:55	0.000258	0.000248	0.000488
Bismuth [mg/L]	02-Oct-14	12:55	< 0.000007	< 0.000007	0.000011
Calcium [mg/L]	02-Oct-14	08:44	256	243	739
Cadmium [mg/L]	02-Oct-14	12:55	< 0.000003	< 0.000003	0.000336
Chromium [mg/L]	02-Oct-14	12:55	0.00262	0.00264	0.0151
Cobalt [mg/L]	02-Oct-14	12:55	0.00334	0.00332	0.00550
Copper [mg/L]	02-Oct-14	12:55	0.246	0.213	0.312

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

LR Report : CA15444-SEP14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	6: RE-12578	7: RE-12588	8: RE-12554
Iron [mg/L]	02-Oct-14	08:44	2.07	2.13	8.84
Potassium [mg/L]	02-Oct-14	08:44	40.8	39.9	21.9
Lithium [mg/L]	02-Oct-14	08:44	< 0.1	< 0.1	< 0.1
Magnesium [mg/L]	02-Oct-14	08:44	2.17	2.15	5.34
Manganese [mg/L]	02-Oct-14	08:44	1.68	1.64	5.84
Molybdenum [mg/L]	02-Oct-14	12:55	0.00051	0.00047	0.00009
Sodium [mg/L]	02-Oct-14	08:44	1340	1330	1.72
Nickel [mg/L]	02-Oct-14	12:55	0.0144	0.0144	0.0445
Phosphorus [mg/L]	02-Oct-14	08:44	0.015	0.019	0.017
Lead [mg/L]	02-Oct-14	08:44	< 0.007	< 0.007	< 0.007
Antimony [mg/L]	02-Oct-14	12:55	0.0013	0.0012	0.0006
Selenium [mg/L]	02-Oct-14	12:55	< 0.001	< 0.001	< 0.001
Tin [mg/L]	02-Oct-14	12:55	0.00003	0.00003	0.00005
Strontium [mg/L]	02-Oct-14	12:55	0.500	0.482	1.78
Silicon [mg/L]	02-Oct-14	08:44	3.55	3.43	5.28
Titanium [mg/L]	02-Oct-14	12:55	0.00046	0.00033	0.00087
Thallium [mg/L]	02-Oct-14	12:55	0.000396	0.000390	0.000263
Uranium [mg/L]	02-Oct-14	12:55	0.00245	0.00271	0.00183
Vanadium [mg/L]	02-Oct-14	12:55	0.00010	< 0.00001	0.00002
Zinc [mg/L]	02-Oct-14	08:44	0.032	0.036	0.036

Quebec TCLP1311-(MA. 100 -Lix.com.1.1)



Chris Sullivan, B.Sc., C.Chem  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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

08-December-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

**Date Rec. :** 21 November 2014  
**LR Report:** CA11012-NOV14

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700, Fax:(819) 759-3663

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-13250	6: RE-13256	7: RE-13262
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Temperature Upon Receipt [°C]	---	---	15.0	15.0	15.0
Fluoride [mg/L]	03-Dec-14	13:48	0.21	0.19	0.18
Chloride [mg/L]	28-Nov-14	14:58	17	12	380
Sulphate [mg/L]	28-Nov-14	10:41	670	690	760
Ammonia+Ammonium (N) [mg/L]	25-Nov-14	08:17	0.1	< 0.1	< 0.1
Mercury (total) [mg/L]	27-Nov-14	13:10	< 0.00001	< 0.00001	< 0.00001
Mercury (dissolved) [mg/L]	27-Nov-14	13:10	< 0.00001	< 0.00001	< 0.00001
Silver (total) [mg/L]	28-Nov-14	14:45	0.000025	0.000012	0.000014
Silver (dissolved) [mg/L]	28-Nov-14	14:45	0.000012	0.000009	0.000004
Aluminum (total) [mg/L]	28-Nov-14	10:27	0.07	0.14	0.19
Aluminum (dissolved) [mg/L]	28-Nov-14	10:27	0.05	0.08	0.10
Arsenic (total) [mg/L]	28-Nov-14	14:45	0.0007	0.0007	0.0008
Arsenic (dissolved) [mg/L]	28-Nov-14	14:45	0.0006	0.0006	0.0007
Barium (total) [mg/L]	28-Nov-14	14:45	0.0711	0.0664	0.0710
Barium (dissolved) [mg/L]	28-Nov-14	14:45	0.0614	0.0604	0.0679
Beryllium (total) [mg/L]	28-Nov-14	14:45	< 0.000007	< 0.000007	< 0.000007
Beryllium (dissolved) [mg/L]	28-Nov-14	14:45	< 0.000007	< 0.000007	< 0.000007
Boron (total) [mg/L]	28-Nov-14	14:45	0.0945	0.0849	0.106
Boron (dissolved) [mg/L]	28-Nov-14	14:45	0.0836	0.0821	0.0994
Bismuth (total) [mg/L]	28-Nov-14	14:45	< 0.000007	0.000008	0.000010
Bismuth (dissolved) [mg/L]	28-Nov-14	14:45	< 0.000007	0.000008	< 0.000007
Calcium (total) [mg/L]	28-Nov-14	15:15	282	295	313
Calcium (dissolved) [mg/L]	28-Nov-14	15:15	267	275	293
Cadmium (total) [mg/L]	28-Nov-14	14:46	0.000024	0.000024	0.000026
Cadmium (dissolved) [mg/L]	28-Nov-14	14:46	0.000018	0.000031	0.000025
Cobalt (total) [mg/L]	28-Nov-14	14:46	0.000135	0.000142	0.000162
Cobalt (dissolved) [mg/L]	28-Nov-14	14:46	0.000138	0.000129	0.000143
Chromium (total) [mg/L]	28-Nov-14	14:46	0.00009	0.00030	0.00035
Chromium (dissolved) [mg/L]	28-Nov-14	14:46	0.00006	0.00011	0.00018

<b>Analysis</b>	<b>3: Analysis Approval Date</b>	<b>4: Analysis Approval Time</b>	<b>5: RE-13250</b>	<b>6: RE-13256</b>	<b>7: RE-13262</b>
Copper (total) [mg/L]	28-Nov-14	14:46	0.0100	0.00960	0.00939
Copper (dissolved) [mg/L]	28-Nov-14	14:46	0.00384	0.00402	0.00364
Iron (total) [mg/L]	28-Nov-14	10:26	0.048	0.081	0.119
Iron (dissolved) [mg/L]	28-Nov-14	10:26	0.024	0.046	0.063
Potassium (total) [mg/L]	28-Nov-14	10:26	40.9	32.9	29.3
Potassium (dissolved) [mg/L]	28-Nov-14	10:26	38.6	30.6	27.4
Lithium (total) [mg/L]	28-Nov-14	14:46	0.00246	0.00121	0.000777
Lithium (dissolved) [mg/L]	28-Nov-14	14:46	0.00186	0.00121	0.000753
Magnesium (total) [mg/L]	28-Nov-14	10:26	9.50	8.58	7.82
Magnesium (dissolved) [mg/L]	28-Nov-14	10:26	8.98	7.98	7.28
Manganese (total) [mg/L]	28-Nov-14	14:46	0.0817	0.0520	0.0420
Manganese (dissolved) [mg/L]	28-Nov-14	14:46	0.0666	0.0476	0.0391
Molybdenum (total) [mg/L]	28-Nov-14	14:46	0.0693	0.0561	0.0535
Molybdenum (dissolved) [mg/L]	28-Nov-14	14:46	0.0593	0.0518	0.0500
Sodium (total) [mg/L]	28-Nov-14	10:26	29.1	26.1	25.9
Sodium (dissolved) [mg/L]	28-Nov-14	10:26	27.7	24.2	24.2
Nickel (total) [mg/L]	28-Nov-14	15:15	0.0018	0.0017	0.0015
Nickel (dissolved) [mg/L]	28-Nov-14	15:15	0.0017	0.0015	0.0014
Phosphorus (total) [mg/L]	28-Nov-14	10:26	0.114	0.078	0.039
Phosphorus (dissolved) [mg/L]	28-Nov-14	10:26	0.110	0.080	0.035
Lead (total) [mg/L]	28-Nov-14	14:47	0.00040	0.00021	0.00041
Lead (dissolved) [mg/L]	28-Nov-14	14:47	0.00036	0.00016	0.00033
Antimony (total) [mg/L]	28-Nov-14	14:47	0.0006	0.0005	0.0004
Antimony (dissolved) [mg/L]	28-Nov-14	14:47	< 0.0002	< 0.0002	< 0.0002
Selenium (total) [mg/L]	28-Nov-14	14:47	0.002	0.001	< 0.001
Selenium (dissolved) [mg/L]	28-Nov-14	14:47	0.002	0.001	< 0.001
Silicon (total) [mg/L]	28-Nov-14	10:26	1.85	1.85	1.92
Silicon (dissolved) [mg/L]	28-Nov-14	10:26	1.72	1.62	1.58
Tin (total) [mg/L]	28-Nov-14	14:47	0.00004	0.00004	0.00004
Tin (dissolved) [mg/L]	28-Nov-14	14:47	0.00004	0.00003	0.00003
Strontium (total) [mg/L]	28-Nov-14	10:26	1.75	1.90	2.11
Strontium (dissolved) [mg/L]	28-Nov-14	10:26	1.67	1.76	1.97
Titanium (total) [mg/L]	28-Nov-14	14:47	0.00082	0.00246	0.00537
Titanium (dissolved) [mg/L]	28-Nov-14	14:47	0.00017	0.00038	0.00046
Thallium (total) [mg/L]	28-Nov-14	14:47	0.000009	0.000007	0.000006
Thallium (dissolved) [mg/L]	28-Nov-14	14:47	0.000011	0.000009	0.000005
Uranium (total) [mg/L]	28-Nov-14	14:47	0.000417	0.000197	0.000117
Uranium (dissolved) [mg/L]	28-Nov-14	14:47	0.000397	0.000194	0.000103
Vanadium (total) [mg/L]	28-Nov-14	14:47	0.00012	0.00019	0.00026
Vanadium (dissolved) [mg/L]	28-Nov-14	14:47	0.00010	0.00011	0.00012
Zinc (total) [mg/L]	28-Nov-14	10:26	0.012	0.010	0.006
Zinc (dissolved) [mg/L]	28-Nov-14	10:26	0.012	0.009	< 0.002





**SGS Canada Inc.**

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

LR Report : CA11012-NOV14

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

**SGS Canada Inc.**

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

03-December-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

**Date Rec. :** 21 November 2014  
**LR Report:** CA11013-NOV14  
**Reference:** PO#396642

10200, route de Pressac, Rouyn-Noranda  
 , JOY 1C0  
 Phone: (819) 759-3700, Fax:(819) 759-3663

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12327	6: RE-12273	7: RE-12261	8: RE-13249	9: RE-13255	10: RE-13261
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	03-Dec-14	14:05	< 1	< 1	< 1	< 1	< 1	< 1
Mercury [µg/g]	26-Nov-14	14:43	0.05	0.05	0.06	< 0.05	< 0.05	< 0.05
Silver [µg/g]	27-Nov-14	12:55	0.58	0.62	1.0	0.18	0.17	0.10
Aluminum [µg/g]	27-Nov-14	16:00	6700	6800	6400	5200	5200	4700
Arsenic [µg/g]	27-Nov-14	13:53	2.7	3.1	3.4	1.8	1.7	1.4
Boron [µg/g]	27-Nov-14	13:53	< 1	< 1	< 1	1	1	1
Barium [µg/g]	27-Nov-14	13:53	50	49	48	75	79	84
Beryllium [µg/g]	27-Nov-14	13:53	0.1	0.1	0.1	0.1	0.1	0.1
Bismuth [µg/g]	27-Nov-14	13:53	0.65	0.79	1.1	0.29	0.28	0.20
Calcium [µg/g]	27-Nov-14	16:00	7000	7200	6800	16000	18000	19000
Cadmium [µg/g]	27-Nov-14	13:53	0.03	0.03	0.03	< 0.02	< 0.02	< 0.02
Cobalt [µg/g]	27-Nov-14	13:53	7.6	8.2	9.1	4.1	3.7	3.1
Chromium [µg/g]	27-Nov-14	13:53	42	25	26	30	32	32
Copper [µg/g]	27-Nov-14	13:53	560	800	1390	180	130	80
Iron [µg/g]	27-Nov-14	16:00	13000	16000	15000	10000	9900	8800
Potassium [µg/g]	27-Nov-14	16:00	5400	5500	5200	3000	2800	2400
Lithium [µg/g]	27-Nov-14	13:53	8	8	8	5	4	4
Magnesium [µg/g]	27-Nov-14	16:00	6700	6800	6500	5300	5400	4800
Manganese [µg/g]	27-Nov-14	13:53	140	160	160	230	240	250
Molybdenum [µg/g]	27-Nov-14	13:53	16	21	32	7.1	13	3.9
Sodium [µg/g]	27-Nov-14	15:59	83	76	72	110	110	120
Nickel [µg/g]	27-Nov-14	13:53	32	22	22	16	16	15
Phosphorus [µg/g]	27-Nov-14	16:00	690	680	680	590	580	560
Lead [µg/g]	27-Nov-14	13:53	1.3	1.4	1.5	0.88	0.86	0.71
Antimony [µg/g]	27-Nov-14	13:53	< 0.8	0.9	0.9	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	27-Nov-14	13:53	0.7	0.9	1.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	27-Nov-14	15:59	520	500	510	600	620	580
Tin [µg/g]	27-Nov-14	13:53	< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5

**SGS Canada Inc.**

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

LR Report : CA11013-NOV14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12327	6: RE-12273	7: RE-12261	8: RE-13249	9: RE-13255	10: RE-13261
Strontium [µg/g]	27-Nov-14	13:53	19	18	18	41	44	47
Titanium [µg/g]	27-Nov-14	13:53	620	600	590	430	400	350
Thallium [µg/g]	27-Nov-14	13:53	0.18	0.17	0.18	0.07	0.05	0.04
Uranium [µg/g]	27-Nov-14	13:53	0.71	0.63	0.64	0.48	0.45	0.53
Vanadium [µg/g]	27-Nov-14	13:53	19	18	18	19	20	19
Zinc [µg/g]	27-Nov-14	13:53	26	25	26	18	18	15

Metal s - MA200 Met1. 2  
 Fluori de Avai lable MA300 F1. 2

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



SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700, Fax:(819) 759-3663

02-December-2014

**Date Rec. :** 21 November 2014  
**LR Report:** CA11014-NOV14  
**Reference:** PO#396642  
  
**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12327	6: RE-12273	7: RE-12261	8: RE-13249	9: RE-13255	10: RE-13261
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	25-Nov-14	11:11	20	20	20	20	20	20
Ext Fluid [#1 or #2]	25-Nov-14	11:11	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	25-Nov-14	11:11	400	400	400	400	400	400
Initial pH	25-Nov-14	11:11	9.39	9.35	9.37	9.27	9.30	9.29
Final pH	25-Nov-14	11:11	9.11	9.09	9.15	8.74	8.72	8.63
Sulphate [mg/L]	28-Nov-14	10:05	5.7	4.8	5.0	150	180	200
Chloride [mg/L]	28-Nov-14	09:08	< 2	< 2	< 2	< 2	< 2	< 2
Nitrite (as N) [mg/L]	28-Nov-14	09:08	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	28-Nov-14	09:08	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	28-Nov-14	09:08	< 3	< 3	< 3	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	26-Nov-14	08:06	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
pH [no unit]	28-Nov-14	09:40	7.49	7.41	7.42	7.12	7.13	7.12
Conductivity [µS/cm]	28-Nov-14	09:40	64	65	60	370	420	462
Alkalinity [mg/L as CaCO3]	28-Nov-14	09:40	23	24	23	14	14	13
Mercury [mg/L]	27-Nov-14	13:10	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	26-Nov-14	14:37	0.28	0.21	0.20	0.15	0.17	0.18
Arsenic [mg/L]	26-Nov-14	12:49	0.0042	0.0015	0.0017	0.0007	0.0007	0.0004



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

LR Report : CA11014-NOV14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12327	6: RE-12273	7: RE-12261	8: RE-13249	9: RE-13255	10: RE-13261
Silver [mg/L]	26-Nov-14	12:49	0.000006	0.000004	0.000006	< 0.000002	< 0.000002	< 0.000002
Barium [mg/L]	26-Nov-14	12:49	0.0039	0.0022	0.0019	0.0171	0.0223	0.0271
Beryllium [mg/L]	26-Nov-14	12:49	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Boron [mg/L]	26-Nov-14	12:49	0.0012	0.0008	0.0008	0.0078	0.0086	0.0088
Bismuth [mg/L]	26-Nov-14	12:49	0.000017	0.000013	0.000013	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	26-Nov-14	14:36	9.25	8.85	8.32	63.5	74.3	84.2
Cadmium [mg/L]	26-Nov-14	12:49	0.000004	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	26-Nov-14	12:49	< 0.000004	< 0.000004	< 0.000004	0.000052	0.000095	0.000061
Chromium [mg/L]	26-Nov-14	12:49	0.00059	0.00032	0.00019	0.00044	0.00044	0.00045
Copper [mg/L]	26-Nov-14	12:49	0.00575	0.00333	0.00284	0.00085	0.00085	0.00079
Iron [mg/L]	26-Nov-14	14:36	0.075	0.079	0.066	0.004	0.004	0.002
Potassium [mg/L]	26-Nov-14	14:36	4.35	4.23	3.47	5.29	5.28	4.90
Lithium [mg/L]	26-Nov-14	12:50	0.000870	0.000787	0.000782	0.000513	0.000427	0.000313
Magnesium [mg/L]	26-Nov-14	14:36	0.339	0.305	0.270	0.319	0.324	0.302
Manganese [mg/L]	26-Nov-14	14:36	0.0103	0.0044	0.0022	0.0018	0.0018	0.0018
Molybdenum [mg/L]	26-Nov-14	12:50	0.00409	0.00499	0.00596	0.00271	0.00211	0.00174
Sodium [mg/L]	26-Nov-14	14:36	0.95	0.73	0.72	0.90	0.92	1.02
Nickel [mg/L]	26-Nov-14	12:50	0.0003	< 0.0001	< 0.0001	< 0.0001	0.0001	0.0001
Phosphorus [mg/L]	26-Nov-14	14:36	0.060	0.017	0.018	< 0.009	< 0.009	0.010
Lead [mg/L]	26-Nov-14	14:36	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Antimony [mg/L]	26-Nov-14	12:50	0.0011	0.0009	0.0010	0.0005	0.0004	0.0004
Selenium [mg/L]	26-Nov-14	12:50	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Tin [mg/L]	26-Nov-14	12:50	0.00004	0.00003	0.00002	0.00002	0.00002	0.00002
Strontium [mg/L]	26-Nov-14	12:50	0.0344	0.0241	0.0231	0.542	0.662	0.745
Silicon [mg/L]	26-Nov-14	14:36	3.29	2.61	2.60	1.73	1.65	1.42
Titanium [mg/L]	26-Nov-14	12:50	0.00420	0.00293	0.00217	0.00050	0.00073	0.00070
Thallium [mg/L]	26-Nov-14	12:50	0.000011	0.000009	0.000008	0.000016	0.000018	0.000016
Uranium [mg/L]	26-Nov-14	12:50	0.000313	0.000188	0.000167	0.000120	0.000100	0.000072
Vanadium [mg/L]	26-Nov-14	12:50	0.00285	0.00071	0.00073	0.00022	0.00020	0.00012
Zinc [mg/L]	26-Nov-14	14:36	< 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

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LR Report :

CA11014-NOV14

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

**SGS Canada Inc.**

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

03-December-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

 10200, route de Pressac, Rouyn-Noranda  
 , JOY 1C0  
 Phone: (819) 759-3700, Fax:(819) 759-3663

**Date Rec. :** 21 November 2014  
**LR Report:** CA11015-NOV14  
**Reference:** PO#396642

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	6: RE-13249	7: RE-13255	8: RE-13261
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	25-Nov-14	09:40	20	20	20
Ext Fluid [#1 or #2]	25-Nov-14	09:40	2.0	2.0	2.0
Ext Volume [mL]	25-Nov-14	09:40	400	400	400
Initial pH	25-Nov-14	09:40	4.20	4.25	4.31
Final pH	25-Nov-14	09:40	4.41	4.46	4.53
pH [no unit]	28-Nov-14	09:41	4.33	4.38	4.46
Conductivity [ $\mu$ S/cm]	28-Nov-14	09:41	2700	2910	3190
Alkalinity [mg/L as CaCO <sub>3</sub> ]	28-Nov-14	09:41	< 2	< 2	< 2
Sulphate [mg/L]	28-Nov-14	09:56	160	180	220
Chloride [mg/L]	28-Nov-14	09:56	< 20	< 20	< 20
Nitrite (as N) [mg/L]	28-Nov-14	09:56	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	28-Nov-14	09:56	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	28-Nov-14	09:56	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	28-Nov-14	09:56	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	26-Nov-14	08:06	< 0.03	< 0.03	< 0.03
Mercury [mg/L]	27-Nov-14	13:10	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	26-Nov-14	14:37	2.87	2.79	2.66
Arsenic [mg/L]	26-Nov-14	12:50	0.0023	0.0020	0.0020
Silver [mg/L]	26-Nov-14	12:50	0.000006	0.000007	0.000003
Barium [mg/L]	26-Nov-14	12:50	0.306	0.322	0.326
Boron [mg/L]	26-Nov-14	12:50	0.0149	0.0165	0.0169
Beryllium [mg/L]	26-Nov-14	12:50	0.000508	0.000486	0.000464
Bismuth [mg/L]	26-Nov-14	12:50	0.000047	0.000032	0.000018
Calcium [mg/L]	26-Nov-14	14:37	674	743	852
Cadmium [mg/L]	26-Nov-14	12:50	0.000291	0.000345	0.000352
Chromium [mg/L]	26-Nov-14	12:50	0.0148	0.0161	0.0137
Cobalt [mg/L]	26-Nov-14	12:50	0.00491	0.00446	0.00408
Copper [mg/L]	26-Nov-14	12:50	0.424	0.323	0.262

**SGS Canada Inc.**

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

LR Report : CA11015-NOV14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	6: RE-13249	7: RE-13255	8: RE-13261
Iron [mg/L]	26-Nov-14	14:37	9.52	8.89	8.17
Potassium [mg/L]	26-Nov-14	14:37	18.5	16.5	14.7
Lithium [mg/L]	26-Nov-14	14:37	< 0.1	< 0.1	< 0.1
Magnesium [mg/L]	26-Nov-14	14:37	4.97	5.35	5.70
Manganese [mg/L]	26-Nov-14	14:37	5.42	5.97	6.55
Molybdenum [mg/L]	26-Nov-14	12:50	0.00003	0.00004	0.00003
Sodium [mg/L]	26-Nov-14	14:37	1.50	1.56	1.72
Nickel [mg/L]	26-Nov-14	12:50	0.0264	0.0246	0.0247
Phosphorus [mg/L]	26-Nov-14	14:37	0.012	< 0.009	< 0.009
Lead [mg/L]	26-Nov-14	14:37	< 0.007	< 0.007	< 0.007
Antimony [mg/L]	26-Nov-14	12:50	0.0006	0.0005	0.0004
Selenium [mg/L]	26-Nov-14	12:50	< 0.001	< 0.001	< 0.001
Tin [mg/L]	26-Nov-14	12:50	0.00004	0.00005	0.00005
Strontium [mg/L]	26-Nov-14	12:50	1.71	1.93	2.18
Silicon [mg/L]	26-Nov-14	14:37	5.25	5.08	4.62
Titanium [mg/L]	26-Nov-14	12:50	0.00062	0.00065	0.00071
Thallium [mg/L]	26-Nov-14	12:50	0.000321	0.000283	0.000220
Uranium [mg/L]	26-Nov-14	12:50	0.00201	0.00172	0.00142
Vanadium [mg/L]	26-Nov-14	12:50	< 0.00001	< 0.00001	< 0.00001
Zinc [mg/L]	26-Nov-14	14:37	0.032	0.029	0.026

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



**SGS Canada Inc.**

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

08-December-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

**Date Rec. :** 21 November 2014  
**LR Report:** CA11016-NOV14  
**Reference:** PO#396642

10200, route de Pressac, Rouyn-Noranda  
 , JOY 1C0  
 Phone: (819) 759-3700, Fax:(819) 759-3663

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## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-13249	6: RE-13255	7: RE-13261
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	02-Dec-14	09:54	100	100	100
Volume D.I. Water [mL]	02-Dec-14	09:54	400	400	400
Initial pH	02-Dec-14	09:54	8.83	8.91	8.91
Final pH	02-Dec-14	09:54	8.16	8.19	8.17
Sulphate [mg/L]	05-Dec-14	11:43	770	900	950
Chloride [mg/L]	04-Dec-14	15:13	< 2	< 2	< 2
Nitrite (as N) [mg/L]	04-Dec-14	15:13	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	04-Dec-14	15:13	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	04-Dec-14	15:13	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	03-Dec-14	08:20	< 0.03	< 0.03	< 0.03
pH [no unit]	05-Dec-14	07:43	7.43	7.38	7.40
Conductivity [µS/cm]	05-Dec-14	07:43	1360	1490	1650
Alkalinity [mg/L as CaCO3]	05-Dec-14	07:43	21	16	15
Mercury [mg/L]	05-Dec-14	08:20	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	04-Dec-14	15:03	0.07	0.08	0.09
Arsenic [mg/L]	05-Dec-14	15:12	0.0007	0.0009	0.0007
Silver [mg/L]	05-Dec-14	15:12	0.000009	0.000008	0.000007
Barium [mg/L]	05-Dec-14	15:12	0.0610	0.0741	0.0783
Beryllium [mg/L]	05-Dec-14	15:12	< 0.000007	< 0.000007	< 0.000007
Boron [mg/L]	05-Dec-14	15:12	0.0649	0.0793	0.0920
Bismuth [mg/L]	05-Dec-14	15:12	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	04-Dec-14	15:03	291	326	383
Cadmium [mg/L]	05-Dec-14	15:12	0.000003	0.000004	0.000003
Cobalt [mg/L]	05-Dec-14	15:12	0.000103	0.000091	0.000102
Chromium [mg/L]	05-Dec-14	15:12	0.00018	0.00028	0.00019
Copper [mg/L]	05-Dec-14	15:12	0.00289	0.00291	0.00296
Iron [mg/L]	04-Dec-14	15:03	0.004	< 0.002	0.004
Potassium [mg/L]	04-Dec-14	15:03	19.5	18.3	18.6

**SGS Canada Inc.**

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

LR Report : CA11016-NOV14

Analysis	3:	4:	5:	6:	7:
	Analysis Approval Date	Analysis Approval Time	RE-13249	RE-13255	RE-13261
Lithium [mg/L]	05-Dec-14	15:12	0.00457	0.00403	0.00332
Magnesium [mg/L]	04-Dec-14	15:03	2.93	2.90	3.09
Manganese [mg/L]	04-Dec-14	15:03	0.0177	0.0140	0.0147
Molybdenum [mg/L]	05-Dec-14	15:12	0.0194	0.0168	0.0166
Sodium [mg/L]	04-Dec-14	15:03	6.49	6.67	7.82
Nickel [mg/L]	05-Dec-14	15:12	0.0018	0.0009	0.0011
Phosphorus [mg/L]	04-Dec-14	15:03	0.014	0.009	< 0.009
Lead [mg/L]	04-Dec-14	15:03	< 0.007	< 0.007	< 0.007
Antimony [mg/L]	05-Dec-14	15:12	0.0021	0.0017	0.0014
Selenium [mg/L]	05-Dec-14	15:12	0.002	0.002	0.001
Tin [mg/L]	05-Dec-14	15:12	0.00010	0.00004	0.00007
Strontium [mg/L]	05-Dec-14	15:12	2.54	3.05	3.51
Silicon [mg/L]	04-Dec-14	15:03	4.51	4.24	3.75
Titanium [mg/L]	05-Dec-14	15:12	0.00010	0.00012	0.00011
Thallium [mg/L]	05-Dec-14	15:12	0.000032	0.000031	0.000026
Uranium [mg/L]	05-Dec-14	15:12	0.00114	0.000842	0.000664
Vanadium [mg/L]	05-Dec-14	15:12	0.00041	0.00037	0.00033
Zinc [mg/L]	04-Dec-14	15:04	< 0.002	< 0.002	< 0.002

Quebec CTEU-9

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

**SGS Canada Inc.**

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

16-December-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

**Date Rec. :** 21 November 2014  
**LR Report:** CA11017-NOV14  
**Reference:** PO#396642

10200, route de Pressac, Rouyn-Noranda  
 , JOY 1C0  
 Phone: (819) 759-3700, Fax:(819) 759-3663

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## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-13249	6: RE-13255	7: RE-13261
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	25-Nov-14	13:36	2.00	2.02	2.00
Initial pH	25-Nov-14	13:36	9.62	9.65	9.55
Vol H2SO4 [mL]	25-Nov-14	13:36	0.95	1.40	1.65
H2SO4 [Normality]	25-Nov-14	13:36	1.00	1.00	1.00
NP [t CaCO3/1000 t]	25-Nov-14	13:36	24	35	41
AP [t CaCO3/1000 t]	---	---	3.34	3.59	4.62
NNP [kg CaCO3/ tonne]	---	---	20	31	37
Sulphur (total) [%]	25-Nov-14	13:45	0.107	0.115	0.148
Acid Leachable SO4-S [%]	---	---	0.07	0.08	0.12
Sulphide [%]	26-Nov-14	15:12	0.04	0.04	0.03
Carbon (total) [%]	26-Nov-14	11:14	0.421	0.437	0.510
Carbonate [%]	26-Nov-14	11:14	1.79	2.13	2.34

MA110 ACI SOL 1.0

Gross NP (kg CaCO3/tonne) Section 7.3  
 AP (kg CaCO3/tonne) = Total S x 31.25

ASTM E1918 - S and C speciation

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

**SGS Canada Inc.**

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

02-December-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

**Date Rec. :** 24 November 2014  
**LR Report:** CA11019-NOV14  
**Reference:** PO#396642

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700, Fax:(819) 759-3663

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## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12554
Sample Date & Time			Date:N/A
Sample weight [g]	25-Nov-14	11:11	20
Ext Fluid [#1 or #2]	25-Nov-14	11:11	1.0
Ext Volume [mL]	25-Nov-14	11:11	400
Initial pH	25-Nov-14	11:11	9.22
Final pH	25-Nov-14	11:11	9.10
Sulphate [mg/L]	28-Nov-14	09:08	5.4
Chloride [mg/L]	28-Nov-14	09:08	< 2
Nitrite (as N) [mg/L]	28-Nov-14	09:08	< 0.3
Nitrate (as N) [mg/L]	28-Nov-14	09:08	< 0.6
Bromide [mg/L]	28-Nov-14	09:08	< 3
Phosphorus (total reactive) [mg/L]	26-Nov-14	08:06	< 0.03
pH [no unit]	28-Nov-14	09:42	7.38
Conductivity [µS/cm]	28-Nov-14	09:42	62
Alkalinity [mg/L as CaCO3]	28-Nov-14	13:45	24
Mercury [mg/L]	27-Nov-14	13:10	< 0.00001
Aluminum [mg/L]	26-Nov-14	14:38	0.23
Arsenic [mg/L]	26-Nov-14	12:51	0.0021
Silver [mg/L]	26-Nov-14	12:51	0.000007
Barium [mg/L]	26-Nov-14	12:51	0.0023
Beryllium [mg/L]	26-Nov-14	12:51	< 0.000007
Boron [mg/L]	26-Nov-14	12:51	0.0009
Bismuth [mg/L]	26-Nov-14	12:51	0.000015
Calcium [mg/L]	26-Nov-14	14:37	8.29
Cadmium [mg/L]	26-Nov-14	12:51	< 0.000003
Cobalt [mg/L]	26-Nov-14	12:51	0.000043
Chromium [mg/L]	26-Nov-14	12:51	0.00011
Copper [mg/L]	26-Nov-14	12:51	0.00389
Iron [mg/L]	26-Nov-14	14:37	0.072

**SGS Canada Inc.**

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

LR Report : CA11019-NOV14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12554
Potassium [mg/L]	26-Nov-14	14:37	3.98
Lithium [mg/L]	26-Nov-14	12:51	0.000800
Magnesium [mg/L]	26-Nov-14	14:37	0.249
Manganese [mg/L]	26-Nov-14	14:37	0.0012
Molybdenum [mg/L]	26-Nov-14	12:51	0.00396
Sodium [mg/L]	26-Nov-14	14:37	0.69
Nickel [mg/L]	26-Nov-14	12:51	< 0.0001
Phosphorus [mg/L]	26-Nov-14	14:37	0.021
Lead [mg/L]	26-Nov-14	14:37	< 0.007
Antimony [mg/L]	26-Nov-14	12:51	0.0009
Selenium [mg/L]	26-Nov-14	12:51	< 0.001
Tin [mg/L]	26-Nov-14	12:51	0.00003
Strontium [mg/L]	26-Nov-14	12:51	0.0268
Silicon [mg/L]	26-Nov-14	14:37	2.75
Titanium [mg/L]	26-Nov-14	12:51	0.00293
Thallium [mg/L]	26-Nov-14	12:51	0.000011
Uranium [mg/L]	26-Nov-14	12:51	0.000208
Vanadium [mg/L]	26-Nov-14	12:51	0.00100
Zinc [mg/L]	26-Nov-14	14:37	< 0.002

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

**SGS Canada Inc.**

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

16-December-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

**Date Rec. :** 21 November 2014  
**LR Report:** CA11017-NOV14  
**Reference:** PO#396642

10200, route de Pressac, Rouyn-Noranda  
 , JOY 1C0  
 Phone: (819) 759-3700, Fax:(819) 759-3663

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## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-13249	6: RE-13255	7: RE-13261
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	25-Nov-14	13:36	2.00	2.02	2.00
Initial pH	25-Nov-14	13:36	9.62	9.65	9.55
Vol H2SO4 [mL]	25-Nov-14	13:36	0.95	1.40	1.65
H2SO4 [Normality]	25-Nov-14	13:36	1.00	1.00	1.00
NP [t CaCO3/1000 t]	25-Nov-14	13:36	24	35	41
AP [t CaCO3/1000 t]	---	---	3.34	3.59	4.62
NNP [kg CaCO3/ tonne]	---	---	20	31	37
Sulphur (total) [%]	25-Nov-14	13:45	0.107	0.115	0.148
Acid Leachable SO4-S [%]	---	---	0.07	0.08	0.12
Sulphide [%]	26-Nov-14	15:12	0.04	0.04	0.03
Carbon (total) [%]	26-Nov-14	11:14	0.421	0.437	0.510
Carbonate [%]	26-Nov-14	11:14	1.79	2.13	2.34

MA110 ACI SOL 1.0

Gross NP (kg CaCO3/tonne) Section 7.3  
 AP (kg CaCO3/tonne) = Total S x 31.25

ASTM E1918 - S and C speciation

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



**SGS Canada Inc.**

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

08-October-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0,

Phone: (819) 759-3700  
Fax:(819) 759-3663

**Date Rec. :** 26 September 2014  
**LR Report:** CA15445-SEP14  
**Reference:** PO#396642

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12580	6: RE-12587
Sample Date & Time			Date:N/A	Date:N/A
Temperature Upon Receipt [°C]	---	---	20.0	20.0
pH [no unit]	01-Oct-14	15:40	3.00	2.78
Alkalinity [mg/L as CaCO3]	01-Oct-14	15:40	< 2	< 2
Conductivity [µS/cm]	01-Oct-14	15:40	771	2210
Carbonate [mg/L as CaCO3]	01-Oct-14	15:40	< 2	< 2
Bicarbonate [mg/L as CaCO3]	01-Oct-14	15:40	< 2	< 2
Fluoride [mg/L]	30-Sep-14	09:01	0.38	0.22
Chloride [mg/L]	03-Oct-14	13:36	6.7	19
Sulphate [mg/L]	02-Oct-14	21:04	91	840
Nitrite (as N) [mg/L]	30-Sep-14	14:14	< 0.03	< 0.03
Nitrate (as N) [mg/L]	27-Sep-14	10:19	29.4	38.7
Ammonia+Ammonium (N) [mg/L]	29-Sep-14	14:40	< 0.1	< 0.1
Mercury (total) [mg/L]	30-Sep-14	08:53	< 0.00001	< 0.00001
Mercury (dissolved) [mg/L]	30-Sep-14	08:53	< 0.00001	< 0.00001
Silver (total) [mg/L]	30-Sep-14	12:56	0.000008	< 0.000002
Silver (dissolved) [mg/L]	30-Sep-14	12:56	< 0.000002	< 0.000002
Aluminum (total) [mg/L]	29-Sep-14	14:47	0.08	0.06
Aluminum (dissolved) [mg/L]	29-Sep-14	14:47	0.06	0.05
Arsenic (total) [mg/L]	30-Sep-14	12:56	0.0008	0.0013
Arsenic (dissolved) [mg/L]	30-Sep-14	12:56	0.0009	0.0014
Barium (total) [mg/L]	30-Sep-14	12:56	0.0110	0.0604
Barium (dissolved) [mg/L]	30-Sep-14	12:56	0.0108	0.0611
Beryllium (total) [mg/L]	30-Sep-14	12:56	< 0.000007	< 0.000007
Beryllium (dissolved) [mg/L]	30-Sep-14	12:56	< 0.000007	< 0.000007
Boron (total) [mg/L]	30-Sep-14	12:56	0.0145	0.0901
Boron (dissolved) [mg/L]	30-Sep-14	12:56	0.0129	0.0869
Bismuth (total) [mg/L]	30-Sep-14	12:56	< 0.000007	< 0.000007
Bismuth (dissolved) [mg/L]	30-Sep-14	12:56	< 0.000007	< 0.000007

<b>Analysis</b>	<b>3: Analysis Approval Date</b>	<b>4: Analysis Approval Time</b>	<b>5: RE-12580</b>	<b>6: RE-12587</b>
Calcium (total) [mg/L]	30-Sep-14	15:36	28.3	299
Calcium (dissolved) [mg/L]	30-Sep-14	15:36	28.3	299
Cadmium (total) [mg/L]	30-Sep-14	12:56	0.000008	0.000021
Cadmium (dissolved) [mg/L]	30-Sep-14	12:56	0.000004	< 0.000003
Cobalt (total) [mg/L]	30-Sep-14	12:56	0.000114	0.000472
Cobalt (dissolved) [mg/L]	30-Sep-14	12:56	0.000133	0.000493
Chromium (total) [mg/L]	30-Sep-14	12:56	0.00050	0.00071
Chromium (dissolved) [mg/L]	30-Sep-14	12:56	0.00048	0.00065
Copper (total) [mg/L]	30-Sep-14	12:56	0.0252	0.00610
Copper (dissolved) [mg/L]	30-Sep-14	12:56	0.0182	0.00420
Iron (total) [mg/L]	29-Sep-14	14:48	0.053	0.038
Iron (dissolved) [mg/L]	29-Sep-14	14:48	0.039	0.035
Potassium (total) [mg/L]	29-Sep-14	14:48	30.5	34.0
Potassium (dissolved) [mg/L]	29-Sep-14	14:48	30.8	35.2
Lithium (total) [mg/L]	30-Sep-14	12:55	0.00413	0.00178
Lithium (dissolved) [mg/L]	30-Sep-14	12:55	0.00414	0.00182
Magnesium (total) [mg/L]	29-Sep-14	14:48	2.79	8.34
Magnesium (dissolved) [mg/L]	29-Sep-14	14:48	2.76	8.39
Manganese (total) [mg/L]	30-Sep-14	12:55	0.00977	0.0465
Manganese (dissolved) [mg/L]	30-Sep-14	12:55	0.00954	0.0466
Molybdenum (total) [mg/L]	30-Sep-14	12:55	0.0610	0.0901
Molybdenum (dissolved) [mg/L]	30-Sep-14	12:55	0.0575	0.0855
Sodium (total) [mg/L]	29-Sep-14	14:48	16.0	33.0
Sodium (dissolved) [mg/L]	29-Sep-14	14:48	15.8	33.5
Nickel (total) [mg/L]	30-Sep-14	12:55	0.0027	0.0039
Nickel (dissolved) [mg/L]	30-Sep-14	12:55	0.0029	0.0035
Phosphorus (total) [mg/L]	29-Sep-14	14:48	0.032	0.057
Phosphorus (dissolved) [mg/L]	29-Sep-14	14:48	0.029	0.052
Lead (total) [mg/L]	30-Sep-14	12:55	0.00018	0.00027
Lead (dissolved) [mg/L]	30-Sep-14	12:55	0.00025	0.00029
Antimony (total) [mg/L]	30-Sep-14	12:55	0.0022	0.0005
Antimony (dissolved) [mg/L]	30-Sep-14	12:55	0.0022	0.0004
Selenium (total) [mg/L]	30-Sep-14	12:55	0.005	0.002
Selenium (dissolved) [mg/L]	30-Sep-14	12:55	0.004	0.001
Silicon (total) [mg/L]	29-Sep-14	14:48	2.57	1.03
Silicon (dissolved) [mg/L]	29-Sep-14	14:48	2.37	0.97
Tin (total) [mg/L]	30-Sep-14	12:55	0.00012	0.00017
Tin (dissolved) [mg/L]	30-Sep-14	12:55	0.00011	0.00017
Strontium (total) [mg/L]	29-Sep-14	14:48	0.107	1.76
Strontium (dissolved) [mg/L]	29-Sep-14	14:48	0.105	1.77
Titanium (total) [mg/L]	30-Sep-14	12:55	0.00282	0.00085
Titanium (dissolved) [mg/L]	30-Sep-14	12:55	0.00105	0.00066
Thallium (total) [mg/L]	30-Sep-14	12:55	0.000018	0.000008
Thallium (dissolved) [mg/L]	30-Sep-14	12:55	0.000018	0.000005



**SGS Canada Inc.**

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

LR Report : CA15445-SEP14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12580	6: RE-12587
Uranium (total) [mg/L]	30-Sep-14	12:55	0.000782	0.000103
Uranium (dissolved) [mg/L]	30-Sep-14	12:55	0.000755	0.000097
Vanadium (total) [mg/L]	30-Sep-14	12:55	0.00033	0.00025
Vanadium (dissolved) [mg/L]	30-Sep-14	12:55	0.00028	0.00022
Zinc (total) [mg/L]	29-Sep-14	14:48	0.013	0.012
Zinc (dissolved) [mg/L]	29-Sep-14	14:48	0.016	0.010

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



**SGS Canada Inc.**

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

08-December-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

**Date Rec. :** 21 November 2014  
**LR Report:** CA11012-NOV14

10200, route de Pressac, Rouyn-Noranda  
, JOY 1C0  
Phone: (819) 759-3700, Fax:(819) 759-3663

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-13250	6: RE-13256	7: RE-13262
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Temperature Upon Receipt [°C]	---	---	15.0	15.0	15.0
Fluoride [mg/L]	03-Dec-14	13:48	0.21	0.19	0.18
Chloride [mg/L]	28-Nov-14	14:58	17	12	380
Sulphate [mg/L]	28-Nov-14	10:41	670	690	760
Ammonia+Ammonium (N) [mg/L]	25-Nov-14	08:17	0.1	< 0.1	< 0.1
Mercury (total) [mg/L]	27-Nov-14	13:10	< 0.00001	< 0.00001	< 0.00001
Mercury (dissolved) [mg/L]	27-Nov-14	13:10	< 0.00001	< 0.00001	< 0.00001
Silver (total) [mg/L]	28-Nov-14	14:45	0.000025	0.000012	0.000014
Silver (dissolved) [mg/L]	28-Nov-14	14:45	0.000012	0.000009	0.000004
Aluminum (total) [mg/L]	28-Nov-14	10:27	0.07	0.14	0.19
Aluminum (dissolved) [mg/L]	28-Nov-14	10:27	0.05	0.08	0.10
Arsenic (total) [mg/L]	28-Nov-14	14:45	0.0007	0.0007	0.0008
Arsenic (dissolved) [mg/L]	28-Nov-14	14:45	0.0006	0.0006	0.0007
Barium (total) [mg/L]	28-Nov-14	14:45	0.0711	0.0664	0.0710
Barium (dissolved) [mg/L]	28-Nov-14	14:45	0.0614	0.0604	0.0679
Beryllium (total) [mg/L]	28-Nov-14	14:45	< 0.000007	< 0.000007	< 0.000007
Beryllium (dissolved) [mg/L]	28-Nov-14	14:45	< 0.000007	< 0.000007	< 0.000007
Boron (total) [mg/L]	28-Nov-14	14:45	0.0945	0.0849	0.106
Boron (dissolved) [mg/L]	28-Nov-14	14:45	0.0836	0.0821	0.0994
Bismuth (total) [mg/L]	28-Nov-14	14:45	< 0.000007	0.000008	0.000010
Bismuth (dissolved) [mg/L]	28-Nov-14	14:45	< 0.000007	0.000008	< 0.000007
Calcium (total) [mg/L]	28-Nov-14	15:15	282	295	313
Calcium (dissolved) [mg/L]	28-Nov-14	15:15	267	275	293
Cadmium (total) [mg/L]	28-Nov-14	14:46	0.000024	0.000024	0.000026
Cadmium (dissolved) [mg/L]	28-Nov-14	14:46	0.000018	0.000031	0.000025
Cobalt (total) [mg/L]	28-Nov-14	14:46	0.000135	0.000142	0.000162
Cobalt (dissolved) [mg/L]	28-Nov-14	14:46	0.000138	0.000129	0.000143
Chromium (total) [mg/L]	28-Nov-14	14:46	0.00009	0.00030	0.00035
Chromium (dissolved) [mg/L]	28-Nov-14	14:46	0.00006	0.00011	0.00018



**SGS Canada Inc.**

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

LR Report : CA11012-NOV14

Analysis	3:	4:	5:	6:	7:
	Analysis Approval Date	Analysis Approval Time	RE-13250	RE-13256	RE-13262
Copper (total) [mg/L]	28-Nov-14	14:46	0.0100	0.00960	0.00939
Copper (dissolved) [mg/L]	28-Nov-14	14:46	0.00384	0.00402	0.00364
Iron (total) [mg/L]	28-Nov-14	10:26	0.048	0.081	0.119
Iron (dissolved) [mg/L]	28-Nov-14	10:26	0.024	0.046	0.063
Potassium (total) [mg/L]	28-Nov-14	10:26	40.9	32.9	29.3
Potassium (dissolved) [mg/L]	28-Nov-14	10:26	38.6	30.6	27.4
Lithium (total) [mg/L]	28-Nov-14	14:46	0.00246	0.00121	0.000777
Lithium (dissolved) [mg/L]	28-Nov-14	14:46	0.00186	0.00121	0.000753
Magnesium (total) [mg/L]	28-Nov-14	10:26	9.50	8.58	7.82
Magnesium (dissolved) [mg/L]	28-Nov-14	10:26	8.98	7.98	7.28
Manganese (total) [mg/L]	28-Nov-14	14:46	0.0817	0.0520	0.0420
Manganese (dissolved) [mg/L]	28-Nov-14	14:46	0.0666	0.0476	0.0391
Molybdenum (total) [mg/L]	28-Nov-14	14:46	0.0693	0.0561	0.0535
Molybdenum (dissolved) [mg/L]	28-Nov-14	14:46	0.0593	0.0518	0.0500
Sodium (total) [mg/L]	28-Nov-14	10:26	29.1	26.1	25.9
Sodium (dissolved) [mg/L]	28-Nov-14	10:26	27.7	24.2	24.2
Nickel (total) [mg/L]	28-Nov-14	15:15	0.0018	0.0017	0.0015
Nickel (dissolved) [mg/L]	28-Nov-14	15:15	0.0017	0.0015	0.0014
Phosphorus (total) [mg/L]	28-Nov-14	10:26	0.114	0.078	0.039
Phosphorus (dissolved) [mg/L]	28-Nov-14	10:26	0.110	0.080	0.035
Lead (total) [mg/L]	28-Nov-14	14:47	0.00040	0.00021	0.00041
Lead (dissolved) [mg/L]	28-Nov-14	14:47	0.00036	0.00016	0.00033
Antimony (total) [mg/L]	28-Nov-14	14:47	0.0006	0.0005	0.0004
Antimony (dissolved) [mg/L]	28-Nov-14	14:47	< 0.0002	< 0.0002	< 0.0002
Selenium (total) [mg/L]	28-Nov-14	14:47	0.002	0.001	< 0.001
Selenium (dissolved) [mg/L]	28-Nov-14	14:47	0.002	0.001	< 0.001
Silicon (total) [mg/L]	28-Nov-14	10:26	1.85	1.85	1.92
Silicon (dissolved) [mg/L]	28-Nov-14	10:26	1.72	1.62	1.58
Tin (total) [mg/L]	28-Nov-14	14:47	0.00004	0.00004	0.00004
Tin (dissolved) [mg/L]	28-Nov-14	14:47	0.00004	0.00003	0.00003
Strontium (total) [mg/L]	28-Nov-14	10:26	1.75	1.90	2.11
Strontium (dissolved) [mg/L]	28-Nov-14	10:26	1.67	1.76	1.97
Titanium (total) [mg/L]	28-Nov-14	14:47	0.00082	0.00246	0.00537
Titanium (dissolved) [mg/L]	28-Nov-14	14:47	0.00017	0.00038	0.00046
Thallium (total) [mg/L]	28-Nov-14	14:47	0.000009	0.000007	0.000006
Thallium (dissolved) [mg/L]	28-Nov-14	14:47	0.000011	0.000009	0.000005
Uranium (total) [mg/L]	28-Nov-14	14:47	0.000417	0.000197	0.000117
Uranium (dissolved) [mg/L]	28-Nov-14	14:47	0.000397	0.000194	0.000103
Vanadium (total) [mg/L]	28-Nov-14	14:47	0.00012	0.00019	0.00026
Vanadium (dissolved) [mg/L]	28-Nov-14	14:47	0.00010	0.00011	0.00012
Zinc (total) [mg/L]	28-Nov-14	10:26	0.012	0.010	0.006
Zinc (dissolved) [mg/L]	28-Nov-14	10:26	0.012	0.009	< 0.002



**SGS Canada Inc.**

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

LR Report : CA11012-NOV14

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



**SGS Canada Inc.**

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

08-October-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0,

Phone: (819) 759-3700  
Fax:(819) 759-3663

**Date Rec. :** 26 September 2014  
**LR Report:** CA15445-SEP14  
**Reference:** PO#396642

**Copy:** #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12580	6: RE-12587
Sample Date & Time			Date:N/A	Date:N/A
Temperature Upon Receipt [°C]	---	---	20.0	20.0
pH [no unit]	01-Oct-14	15:40	3.00	2.78
Alkalinity [mg/L as CaCO3]	01-Oct-14	15:40	< 2	< 2
Conductivity [µS/cm]	01-Oct-14	15:40	771	2210
Carbonate [mg/L as CaCO3]	01-Oct-14	15:40	< 2	< 2
Bicarbonate [mg/L as CaCO3]	01-Oct-14	15:40	< 2	< 2
Fluoride [mg/L]	30-Sep-14	09:01	0.38	0.22
Chloride [mg/L]	03-Oct-14	13:36	6.7	19
Sulphate [mg/L]	02-Oct-14	21:04	91	840
Nitrite (as N) [mg/L]	30-Sep-14	14:14	< 0.03	< 0.03
Nitrate (as N) [mg/L]	27-Sep-14	10:19	29.4	38.7
Ammonia+Ammonium (N) [mg/L]	29-Sep-14	14:40	< 0.1	< 0.1
Mercury (total) [mg/L]	30-Sep-14	08:53	< 0.00001	< 0.00001
Mercury (dissolved) [mg/L]	30-Sep-14	08:53	< 0.00001	< 0.00001
Silver (total) [mg/L]	30-Sep-14	12:56	0.000008	< 0.000002
Silver (dissolved) [mg/L]	30-Sep-14	12:56	< 0.000002	< 0.000002
Aluminum (total) [mg/L]	29-Sep-14	14:47	0.08	0.06
Aluminum (dissolved) [mg/L]	29-Sep-14	14:47	0.06	0.05
Arsenic (total) [mg/L]	30-Sep-14	12:56	0.0008	0.0013
Arsenic (dissolved) [mg/L]	30-Sep-14	12:56	0.0009	0.0014
Barium (total) [mg/L]	30-Sep-14	12:56	0.0110	0.0604
Barium (dissolved) [mg/L]	30-Sep-14	12:56	0.0108	0.0611
Beryllium (total) [mg/L]	30-Sep-14	12:56	< 0.000007	< 0.000007
Beryllium (dissolved) [mg/L]	30-Sep-14	12:56	< 0.000007	< 0.000007
Boron (total) [mg/L]	30-Sep-14	12:56	0.0145	0.0901
Boron (dissolved) [mg/L]	30-Sep-14	12:56	0.0129	0.0869
Bismuth (total) [mg/L]	30-Sep-14	12:56	< 0.000007	< 0.000007
Bismuth (dissolved) [mg/L]	30-Sep-14	12:56	< 0.000007	< 0.000007

<b>Analysis</b>	<b>3: Analysis Approval Date</b>	<b>4: Analysis Approval Time</b>	<b>5: RE-12580</b>	<b>6: RE-12587</b>
Calcium (total) [mg/L]	30-Sep-14	15:36	28.3	299
Calcium (dissolved) [mg/L]	30-Sep-14	15:36	28.3	299
Cadmium (total) [mg/L]	30-Sep-14	12:56	0.000008	0.000021
Cadmium (dissolved) [mg/L]	30-Sep-14	12:56	0.000004	< 0.000003
Cobalt (total) [mg/L]	30-Sep-14	12:56	0.000114	0.000472
Cobalt (dissolved) [mg/L]	30-Sep-14	12:56	0.000133	0.000493
Chromium (total) [mg/L]	30-Sep-14	12:56	0.00050	0.00071
Chromium (dissolved) [mg/L]	30-Sep-14	12:56	0.00048	0.00065
Copper (total) [mg/L]	30-Sep-14	12:56	0.0252	0.00610
Copper (dissolved) [mg/L]	30-Sep-14	12:56	0.0182	0.00420
Iron (total) [mg/L]	29-Sep-14	14:48	0.053	0.038
Iron (dissolved) [mg/L]	29-Sep-14	14:48	0.039	0.035
Potassium (total) [mg/L]	29-Sep-14	14:48	30.5	34.0
Potassium (dissolved) [mg/L]	29-Sep-14	14:48	30.8	35.2
Lithium (total) [mg/L]	30-Sep-14	12:55	0.00413	0.00178
Lithium (dissolved) [mg/L]	30-Sep-14	12:55	0.00414	0.00182
Magnesium (total) [mg/L]	29-Sep-14	14:48	2.79	8.34
Magnesium (dissolved) [mg/L]	29-Sep-14	14:48	2.76	8.39
Manganese (total) [mg/L]	30-Sep-14	12:55	0.00977	0.0465
Manganese (dissolved) [mg/L]	30-Sep-14	12:55	0.00954	0.0466
Molybdenum (total) [mg/L]	30-Sep-14	12:55	0.0610	0.0901
Molybdenum (dissolved) [mg/L]	30-Sep-14	12:55	0.0575	0.0855
Sodium (total) [mg/L]	29-Sep-14	14:48	16.0	33.0
Sodium (dissolved) [mg/L]	29-Sep-14	14:48	15.8	33.5
Nickel (total) [mg/L]	30-Sep-14	12:55	0.0027	0.0039
Nickel (dissolved) [mg/L]	30-Sep-14	12:55	0.0029	0.0035
Phosphorus (total) [mg/L]	29-Sep-14	14:48	0.032	0.057
Phosphorus (dissolved) [mg/L]	29-Sep-14	14:48	0.029	0.052
Lead (total) [mg/L]	30-Sep-14	12:55	0.00018	0.00027
Lead (dissolved) [mg/L]	30-Sep-14	12:55	0.00025	0.00029
Antimony (total) [mg/L]	30-Sep-14	12:55	0.0022	0.0005
Antimony (dissolved) [mg/L]	30-Sep-14	12:55	0.0022	0.0004
Selenium (total) [mg/L]	30-Sep-14	12:55	0.005	0.002
Selenium (dissolved) [mg/L]	30-Sep-14	12:55	0.004	0.001
Silicon (total) [mg/L]	29-Sep-14	14:48	2.57	1.03
Silicon (dissolved) [mg/L]	29-Sep-14	14:48	2.37	0.97
Tin (total) [mg/L]	30-Sep-14	12:55	0.00012	0.00017
Tin (dissolved) [mg/L]	30-Sep-14	12:55	0.00011	0.00017
Strontium (total) [mg/L]	29-Sep-14	14:48	0.107	1.76
Strontium (dissolved) [mg/L]	29-Sep-14	14:48	0.105	1.77
Titanium (total) [mg/L]	30-Sep-14	12:55	0.00282	0.00085
Titanium (dissolved) [mg/L]	30-Sep-14	12:55	0.00105	0.00066
Thallium (total) [mg/L]	30-Sep-14	12:55	0.000018	0.000008
Thallium (dissolved) [mg/L]	30-Sep-14	12:55	0.000018	0.000005

**SGS Canada Inc.**

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

LR Report : CA15445-SEP14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12580	6: RE-12587
Uranium (total) [mg/L]	30-Sep-14	12:55	0.000782	0.000103
Uranium (dissolved) [mg/L]	30-Sep-14	12:55	0.000755	0.000097
Vanadium (total) [mg/L]	30-Sep-14	12:55	0.00033	0.00025
Vanadium (dissolved) [mg/L]	30-Sep-14	12:55	0.00028	0.00022
Zinc (total) [mg/L]	29-Sep-14	14:48	0.013	0.012
Zinc (dissolved) [mg/L]	29-Sep-14	14:48	0.016	0.010




---

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

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

08-October-2014

**Agnico Eagle Mines Limited**  
Attn : Yanick Bergeron

Date Rec. : 26 September 2014  
LR Report: CA15442-SEP14  
Reference: PO#396642

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0,

Copy: #1

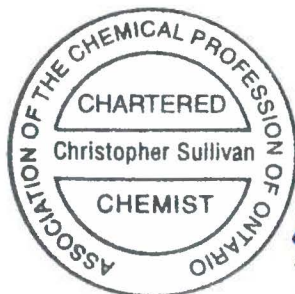
Phone: (819) 759-3700  
Fax:(819) 759-3663

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	30-Sep-14	15:07	2.01	2.02	2.00
Initial pH	30-Sep-14	15:07	9.73	9.58	9.65
Vol H2SO4 [mL]	30-Sep-14	15:07	0.50	1.40	0.60
H2SO4 [Normality]	30-Sep-14	15:07	1.00	1.00	1.00
NP [kg CaCO3/ tonne]	30-Sep-14	15:07	12	35	15
AP [kg CaCO3/ tonne]	---	---	0.94	1.25	0.94
NNP [kg CaCO3/ tonne]	---	---	11	33	14
Sulphur (total) [%]	03-Oct-14	09:20	0.052	0.134	0.044
Acid Leachable SO4-S [%]	---	---	0.02	0.09	0.01
Sulphide [%]	03-Oct-14	09:20	0.03	0.04	0.03
Carbon (total) [%]	03-Oct-14	11:25	0.169	0.453	0.169
Carbonate [%]	03-Oct-14	11:25	0.624	1.94	0.654

Quebec MA110 ACISOL 1.0



*Chris Sullivan, B.Sc., C.Chem*  
Project Specialist  
Environmental Services, Analytical





## SGS Canada Inc.

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

08-October-2014

## Agnico Eagle Mines Limited

Attn : Yanick Bergeron

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0,

Date Rec. : 26 September 2014

LR Report: CA15441-SEP14

Reference: PO#396642

Copy: #1

Phone: (819) 759-3700

Fax:(819) 759-3663

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	01-Oct-14	15:56	< 1	< 1	< 1
Mercury [µg/g]	06-Oct-14	09:19	0.05	< 0.05	0.05
Silver [µg/g]	03-Oct-14	12:09	0.54	0.17	0.49
Aluminum [µg/g]	03-Oct-14	12:09	7100	5400	7200
Arsenic [µg/g]	03-Oct-14	11:03	2.5	1.7	2.5
Boron [µg/g]	03-Oct-14	11:03	< 1	< 1	< 1
Barium [µg/g]	03-Oct-14	11:03	48	80	47
Beryllium [µg/g]	03-Oct-14	11:03	0.1	0.1	0.2
Bismuth [µg/g]	03-Oct-14	11:03	0.71	0.32	0.55
Calcium [µg/g]	03-Oct-14	13:10	7500	18000	7500
Cadmium [µg/g]	03-Oct-14	11:03	0.04	< 0.02	0.03
Cobalt [µg/g]	03-Oct-14	11:03	7.4	4.2	7.2
Chromium [µg/g]	03-Oct-14	11:03	21	31	24
Copper [µg/g]	03-Oct-14	11:03	570	150	440
Iron [µg/g]	03-Oct-14	13:10	15000	12000	15000
Potassium [µg/g]	03-Oct-14	13:10	5700	3100	5700
Lithium [µg/g]	03-Oct-14	11:03	8	5	8
Magnesium [µg/g]	03-Oct-14	13:10	7200	5600	7300
Manganese [µg/g]	03-Oct-14	11:03	140	220	130
Molybdenum [µg/g]	03-Oct-14	11:03	20	5.7	14
Sodium [µg/g]	03-Oct-14	13:10	60	120	63
Nickel [µg/g]	03-Oct-14	11:03	21	17	21
Phosphorus [µg/g]	03-Oct-14	13:10	690	590	670
Lead [µg/g]	03-Oct-14	11:03	1.2	0.85	1.1
Antimony [µg/g]	03-Oct-14	11:03	0.9	< 0.8	0.9
Selenium [µg/g]	03-Oct-14	11:03	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	03-Oct-14	13:10	460	500	450
Tin [µg/g]	03-Oct-14	11:03	< 0.5	0.6	< 0.5

SGS Canada Inc.

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

LR Report : CA15441-SEP14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Strontium [µg/g]	03-Oct-14	11:03	19	47	20
Titanium [µg/g]	03-Oct-14	11:03	560	380	560
Thallium [µg/g]	03-Oct-14	11:03	0.18	0.06	0.17
Uranium [µg/g]	03-Oct-14	11:03	0.57	0.39	0.57
Vanadium [µg/g]	03-Oct-14	11:03	17	18	17
Zinc [µg/g]	03-Oct-14	11:03	26	18	26

Extractable Metals Analysis (Quebec MA200 Met1.2)  
 Fluoride (Quebec MA300 F1.2)



*Chris Sullivan, B.Sc., C.Chem*  
*Project Specialist*  
*Environmental Services, Analytical*

**SGS Canada Inc.**

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

08-October-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

10200, route de Pressac  
 Rouyn-Noranda, Quebec  
 J0Y 1C0,

Phone: (819) 759-3700  
 Fax:(819) 759-3663

Date Rec. : 26 September 2014

LR Report: CA15443-SEP14

Reference: PO#396642

Copy: #1

## CERTIFICATE OF ANALYSIS

### Final Report

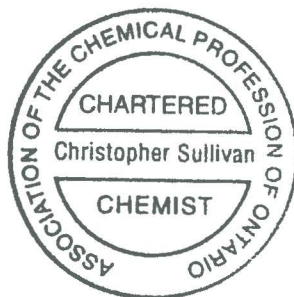
Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	30-Sep-14	15:05	40	40	40
Ext Fluid [#1 or #2]	30-Sep-14	15:05	1.0	1.0	1.0
Ext Volume [mL]	30-Sep-14	15:05	800	800	800
Initial pH	30-Sep-14	15:05	9.61	9.66	9.56
Final pH	30-Sep-14	15:05	9.21	8.98	8.38
Sulphate [mg/L]	01-Oct-14	08:27	5.6	5.5	170
Chloride [mg/L]	01-Oct-14	08:27	< 2	< 2	< 2
Nitrite (as N) [mg/L]	01-Oct-14	08:27	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	01-Oct-14	08:27	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	01-Oct-14	08:27	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	30-Sep-14	15:37	< 0.03	< 0.03	< 0.03
pH [no unit]	01-Oct-14	15:39	7.59	7.56	7.06
Conductivity [µS/cm]	01-Oct-14	15:39	72	57	416
Alkalinity [mg/L as CaCO3]	01-Oct-14	15:39	20	20	11
Mercury [mg/L]	01-Oct-14	10:08	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	02-Oct-14	08:43	0.32	0.26	0.11
Arsenic [mg/L]	02-Oct-14	12:55	0.0024	0.0022	0.0004
Silver [mg/L]	02-Oct-14	12:55	< 0.000002	< 0.000002	< 0.000002
Barium [mg/L]	02-Oct-14	12:55	0.00223	0.00216	0.0189
Beryllium [mg/L]	02-Oct-14	12:55	< 0.000007	< 0.000007	< 0.000007
Boron [mg/L]	02-Oct-14	12:55	0.0015	0.0011	0.0091
Bismuth [mg/L]	02-Oct-14	12:55	0.000019	0.000015	< 0.000007
Calcium [mg/L]	02-Oct-14	08:43	7.50	7.38	72.1
Cadmium [mg/L]	02-Oct-14	12:55	0.000005	0.000004	< 0.000003
Cobalt [mg/L]	02-Oct-14	12:55	0.000062	0.000049	0.000084
Chromium [mg/L]	02-Oct-14	12:55	0.00023	0.00010	< 0.00003
Copper [mg/L]	02-Oct-14	12:55	0.00488	0.00438	0.00214
Iron [mg/L]	02-Oct-14	08:43	0.117	0.094	< 0.002

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

LR Report : CA15443-SEP14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: RE-12578	6: RE-12588	7: RE-12554
Potassium [mg/L]	02-Oct-14	08:43	3.92	3.57	4.72
Lithium [mg/L]	02-Oct-14	12:55	0.000801	0.000809	0.000527
Magnesium [mg/L]	02-Oct-14	08:43	0.244	0.226	0.468
Manganese [mg/L]	02-Oct-14	08:43	0.0015	0.0011	0.0010
Molybdenum [mg/L]	02-Oct-14	12:55	0.00471	0.00427	0.00325
Sodium [mg/L]	02-Oct-14	08:43	0.61	0.70	1.05
Nickel [mg/L]	02-Oct-14	12:55	0.0003	0.0003	0.0003
Phosphorus [mg/L]	02-Oct-14	08:43	0.025	0.040	0.011
Lead [mg/L]	02-Oct-14	08:43	< 0.007	< 0.007	< 0.007
Antimony [mg/L]	02-Oct-14	12:55	0.0011	0.0011	0.0005
Selenium [mg/L]	02-Oct-14	12:55	0.001	0.001	< 0.001
Tin [mg/L]	02-Oct-14	12:55	0.00005	0.00006	0.00008
Strontium [mg/L]	02-Oct-14	12:55	0.0208	0.0206	0.637
Silicon [mg/L]	02-Oct-14	08:43	2.90	2.82	1.29
Titanium [mg/L]	02-Oct-14	12:54	0.00392	0.00356	0.00016
Thallium [mg/L]	02-Oct-14	12:54	0.000008	0.000007	0.000014
Uranium [mg/L]	02-Oct-14	12:54	0.000372	0.000216	0.000049
Vanadium [mg/L]	02-Oct-14	12:54	0.00144	0.00128	0.00011
Zinc [mg/L]	02-Oct-14	08:43	< 0.002	< 0.002	< 0.002

Quebec SPLP1312-(MA. 100 -Lix.com.1.1)



*Chris Sullivan, B.Sc., C.Chem*  
 Project Specialist  
 Environmental Services, Analytical



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

08-October-2014

**Agnico Eagle Mines Limited**

Attn : Yanick Bergeron

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0,

Phone: (819) 759-3700  
Fax:(819) 759-3663

Date Rec. : 26 September 2014  
LR Report: CA15444-SEP14  
Reference: PO#396642

Copy: #1

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	6: RE-12578	7: RE-12588	8: RE-12554
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	30-Sep-14	14:15	20	20	20
Ext Fluid [#1 or #2]	30-Sep-14	14:15	1.0	1.0	2.0
Ext Volume [mL]	30-Sep-14	14:15	400	400	400
Initial pH	30-Sep-14	14:15	5.03	5.01	4.22
Final pH	30-Sep-14	14:15	5.23	5.21	4.44
pH [no unit]	08-Oct-14	11:29	5.19	5.18	4.33
Conductivity [µS/cm]	08-Oct-14	11:29	5390	5400	2920
Alkalinity [mg/L as CaCO3]	08-Oct-14	11:29	1730	1730	< 2
Sulphate [mg/L]	01-Oct-14	08:30	3.5	4.0	180
Chloride [mg/L]	01-Oct-14	08:30	< 20	< 20	< 20
Nitrite (as N) [mg/L]	01-Oct-14	08:30	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	01-Oct-14	08:30	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	01-Oct-14	08:30	< 0.6	< 0.6	< 0.6
Bromide [mg/L]	01-Oct-14	08:30	< 3	< 3	< 3
Phosphorus (total reactive) [mg/L]	30-Sep-14	15:38	< 0.03	< 0.03	< 0.03
Mercury [mg/L]	01-Oct-14	10:08	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	02-Oct-14	08:44	0.24	0.22	2.86
Arsenic [mg/L]	02-Oct-14	12:55	0.0010	0.0012	0.0014
Silver [mg/L]	02-Oct-14	12:55	< 0.000002	< 0.000002	< 0.000002
Barium [mg/L]	02-Oct-14	12:55	0.271	0.264	0.307
Boron [mg/L]	02-Oct-14	12:55	0.0013	0.0013	0.0208
Beryllium [mg/L]	02-Oct-14	12:55	0.000258	0.000248	0.000488
Bismuth [mg/L]	02-Oct-14	12:55	< 0.000007	< 0.000007	0.000011
Calcium [mg/L]	02-Oct-14	08:44	256	243	739
Cadmium [mg/L]	02-Oct-14	12:55	< 0.000003	< 0.000003	0.000336
Chromium [mg/L]	02-Oct-14	12:55	0.00262	0.00264	0.0151
Cobalt [mg/L]	02-Oct-14	12:55	0.00334	0.00332	0.00550
Copper [mg/L]	02-Oct-14	12:55	0.246	0.213	0.312

**SGS Canada Inc.**

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

LR Report : CA15444-SEP14

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	6: RE-12578	7: RE-12588	8: RE-12554
Iron [mg/L]	02-Oct-14	08:44	2.07	2.13	8.84
Potassium [mg/L]	02-Oct-14	08:44	40.8	39.9	21.9
Lithium [mg/L]	02-Oct-14	08:44	< 0.1	< 0.1	< 0.1
Magnesium [mg/L]	02-Oct-14	08:44	2.17	2.15	5.34
Manganese [mg/L]	02-Oct-14	08:44	1.68	1.64	5.84
Molybdenum [mg/L]	02-Oct-14	12:55	0.00051	0.00047	0.00009
Sodium [mg/L]	02-Oct-14	08:44	1340	1330	1.72
Nickel [mg/L]	02-Oct-14	12:55	0.0144	0.0144	0.0445
Phosphorus [mg/L]	02-Oct-14	08:44	0.015	0.019	0.017
Lead [mg/L]	02-Oct-14	08:44	< 0.007	< 0.007	< 0.007
Antimony [mg/L]	02-Oct-14	12:55	0.0013	0.0012	0.0006
Selenium [mg/L]	02-Oct-14	12:55	< 0.001	< 0.001	< 0.001
Tin [mg/L]	02-Oct-14	12:55	0.00003	0.00003	0.00005
Strontium [mg/L]	02-Oct-14	12:55	0.500	0.482	1.78
Silicon [mg/L]	02-Oct-14	08:44	3.55	3.43	5.28
Titanium [mg/L]	02-Oct-14	12:55	0.00046	0.00033	0.00087
Thallium [mg/L]	02-Oct-14	12:55	0.000396	0.000390	0.000263
Uranium [mg/L]	02-Oct-14	12:55	0.00245	0.00271	0.00183
Vanadium [mg/L]	02-Oct-14	12:55	0.00010	< 0.00001	0.00002
Zinc [mg/L]	02-Oct-14	08:44	0.032	0.036	0.036

Quebec TCLP1311-(MA. 100 -Lix.com.1.1)



*Chris Sullivan, B.Sc., C.Chem  
 Project Specialist  
 Environmental Services, Analytical*



**SGS Canada Inc.**

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

**Project :** PO#396642

10-March-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

**Date Rec. :** 13 February 2015  
**LR Report:** CA11018-FEB15

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0, Canada

**Copy:** #1

Phone: 819.759.3700 x5820  
Fax:(819) 759-3663

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA-ENV-029
Sample Date & Time			Date:N/A
Sulphur (total) [%]	24-Feb-15	15:13	0.610

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



**SGS Canada Inc.**

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

**Project :** PO#396642

10-March-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

**Date Rec. :** 13 February 2015  
**LR Report:** CA11019-FEB15

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0, Canada

**Copy:** #1

Phone: 819.759.3700 x5820  
Fax:(819) 759-3663

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA-ENV-029
Sample Date & Time			Date:N/A
Sample weight [g]	05-Mar-15	13:54	2.5
Vol H2O2 [mL]	05-Mar-15	13:54	250
pH [no unit]	05-Mar-15	12:36	10.4
Conductivity [µS/cm]	05-Mar-15	12:36	241
Alkalinity [mg/L as CaCO3]	05-Mar-15	12:36	80
Acidity [mg/L as CaCO3]	05-Mar-15	12:36	< 2
Sulphate [mg/L]	05-Mar-15	12:32	50
Aluminum [mg/L]	04-Mar-15	14:27	2.69
Arsenic [mg/L]	05-Mar-15	12:32	< 0.0002
Barium [mg/L]	05-Mar-15	12:32	0.00050
Beryllium [mg/L]	05-Mar-15	12:32	< 0.000007
Bismuth [mg/L]	05-Mar-15	12:32	0.000009
Calcium [mg/L]	04-Mar-15	14:27	53.1
Cadmium [mg/L]	05-Mar-15	12:32	0.000028
Cobalt [mg/L]	05-Mar-15	12:32	0.000023
Chromium [mg/L]	05-Mar-15	12:32	0.0191
Copper [mg/L]	05-Mar-15	12:32	0.00067
Iron [mg/L]	04-Mar-15	14:27	< 0.002
Potassium [mg/L]	04-Mar-15	14:27	1.75
Lithium [mg/L]	05-Mar-15	12:32	0.000551
Magnesium [mg/L]	04-Mar-15	14:27	< 0.003
Manganese [mg/L]	05-Mar-15	12:32	0.00007
Molybdenum [mg/L]	05-Mar-15	12:32	0.116
Sodium [mg/L]	04-Mar-15	14:27	3.15
Nickel [mg/L]	05-Mar-15	12:32	< 0.0001
Lead [mg/L]	05-Mar-15	12:32	0.00013
Antimony [mg/L]	05-Mar-15	12:32	0.0005
Selenium [mg/L]	05-Mar-15	12:32	0.002
Tin [mg/L]	05-Mar-15	12:32	0.00035



**SGS Canada Inc.**

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

**Project :** PO#396642

**LR Report :** CA11019-FEB15

<b>Analysis</b>	<b>3: Analysis Approval Date</b>	<b>4: Analysis Approval Time</b>	<b>5: AKA-ENV-029</b>
Strontium [mg/L]	05-Mar-15	12:32	0.0437
Titanium [mg/L]	05-Mar-15	12:32	0.00029
Thallium [mg/L]	05-Mar-15	12:32	0.000051
Uranium [mg/L]	05-Mar-15	12:32	0.000009
Vanadium [mg/L]	05-Mar-15	12:32	0.00404
Zinc [mg/L]	05-Mar-15	12:32	< 0.001

---

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



**SGS Canada Inc.**

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

**Project :** PO#396642

10-March-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

**Date Rec. :** 13 February 2015  
**LR Report:** CA11020-FEB15

10200, route de Pressac, Rouyn-Noranda  
Canada, J0Y 1C0  
Phone: 819.759.3700 x5820, Fax:(819) 759-3663

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## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA-ENV-029
Sample Date & Time			Date:N/A
Sample weight [g]	05-Mar-15	14:57	2.50
Vol H2O2 [mL]	05-Mar-15	14:57	250
pH [no unit]	06-Mar-15	09:29	4.18
Conductivity [uS/cm]	06-Mar-15	09:29	316
Alkalinity [mg/L as CaCO3]	06-Mar-15	09:29	< 2
Acidity [mg/L as CaCO3]	06-Mar-15	09:29	9
Sulphate [mg/L]	09-Mar-15	14:51	130
Aluminum [mg/L]	05-Mar-15	14:17	0.14
Arsenic [mg/L]	06-Mar-15	09:27	< 0.0002
Barium [mg/L]	06-Mar-15	09:27	0.0119
Beryllium [mg/L]	06-Mar-15	09:27	0.000218
Bismuth [mg/L]	06-Mar-15	09:27	< 0.000007
Calcium [mg/L]	05-Mar-15	14:17	47.7
Cadmium [mg/L]	06-Mar-15	09:27	0.000188
Cobalt [mg/L]	06-Mar-15	09:27	0.0642
Chromium [mg/L]	06-Mar-15	09:27	0.00714
Copper [mg/L]	06-Mar-15	09:27	1.58
Iron [mg/L]	05-Mar-15	14:17	0.008
Potassium [mg/L]	05-Mar-15	14:17	0.488
Lithium [mg/L]	06-Mar-15	09:27	0.00200
Magnesium [mg/L]	05-Mar-15	14:17	1.37
Manganese [mg/L]	06-Mar-15	09:27	0.398
Molybdenum [mg/L]	06-Mar-15	09:27	0.00013
Sodium [mg/L]	05-Mar-15	14:17	0.69
Nickel [mg/L]	06-Mar-15	09:27	0.0217
Lead [mg/L]	06-Mar-15	09:27	0.00006
Antimony [mg/L]	06-Mar-15	09:27	< 0.0002
Selenium [mg/L]	06-Mar-15	09:27	0.004
Tin [mg/L]	06-Mar-15	09:27	0.00012

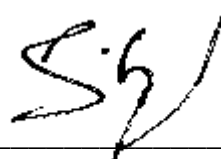
**SGS Canada Inc.**

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

**Project :** PO#396642

**LR Report :** CA11020-FEB15

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA-ENV-029
Strontium [mg/L]	06-Mar-15	09:27	0.0352
Titanium [mg/L]	06-Mar-15	09:27	0.00024
Thallium [mg/L]	06-Mar-15	09:27	< 0.000005
Uranium [mg/L]	06-Mar-15	09:27	0.000269
Vanadium [mg/L]	06-Mar-15	09:27	0.00011
Zinc [mg/L]	06-Mar-15	09:27	0.006




---

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



**SGS Canada Inc.**

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

**Project :** PO#396642

10-March-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

**Date Rec. :** 13 February 2015  
**LR Report:** CA11021-FEB15

10200, route de Pressac, Rouyn-Noranda  
Canada, J0Y 1C0  
Phone: 819.759.3700 x5820, Fax:(819) 759-3663

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA-ENV-029
Sample Date & Time			Date:N/A
Sample weight [g]	05-Mar-15	12:32	2.50
Vol H2O2 [mL]	05-Mar-15	12:32	250
pH [no unit]	06-Mar-15	11:52	5.27
Conductivity [uS/cm]	06-Mar-15	11:52	19
Alkalinity [mg/L as CaCO3]	06-Mar-15	11:52	< 2
Acidity [mg/L as CaCO3]	06-Mar-15	11:52	2
Sulphate [mg/L]	06-Mar-15	15:38	6.2
Aluminum [mg/L]	06-Mar-15	11:21	< 0.01
Arsenic [mg/L]	09-Mar-15	10:52	< 0.0002
Barium [mg/L]	09-Mar-15	10:52	0.00064
Beryllium [mg/L]	09-Mar-15	10:52	0.000020
Bismuth [mg/L]	09-Mar-15	10:52	< 0.000007
Calcium [mg/L]	06-Mar-15	11:21	1.89
Cadmium [mg/L]	09-Mar-15	10:52	0.000013
Cobalt [mg/L]	09-Mar-15	10:52	0.00327
Chromium [mg/L]	09-Mar-15	10:52	0.00970
Copper [mg/L]	09-Mar-15	10:52	0.0874
Iron [mg/L]	06-Mar-15	11:21	< 0.002
Potassium [mg/L]	06-Mar-15	11:21	0.161
Lithium [mg/L]	09-Mar-15	10:52	0.000554
Magnesium [mg/L]	06-Mar-15	11:21	0.156
Manganese [mg/L]	09-Mar-15	10:52	0.0330
Molybdenum [mg/L]	09-Mar-15	10:52	0.00005
Sodium [mg/L]	06-Mar-15	11:21	0.36
Nickel [mg/L]	09-Mar-15	10:52	0.0016
Lead [mg/L]	09-Mar-15	10:52	0.00001
Antimony [mg/L]	09-Mar-15	10:52	< 0.0002
Selenium [mg/L]	09-Mar-15	10:52	< 0.001
Tin [mg/L]	09-Mar-15	10:52	0.00007

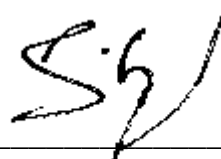
**SGS Canada Inc.**

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

**Project :** PO#396642

**LR Report :** CA11021-FEB15

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA-ENV-029
Strontium [mg/L]	09-Mar-15	10:52	0.00333
Titanium [mg/L]	09-Mar-15	10:52	< 0.00005
Thallium [mg/L]	09-Mar-15	10:52	< 0.000005
Uranium [mg/L]	09-Mar-15	10:52	0.000004
Vanadium [mg/L]	09-Mar-15	10:52	0.00003
Zinc [mg/L]	09-Mar-15	10:52	< 0.001




---

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



**SGS Canada Inc.**

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

**Project :** PO#396642

18-March-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

**Date Rec. :** 13 February 2015  
**LR Report:** CA11022-FEB15

10200, route de Pressac, Rouyn-Noranda  
Canada, J0Y 1C0  
Phone: 819.759.3700 x5820, Fax:(819) 759-3663

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA-ENV-029
Sample Date & Time			Date:N/A
Sample weight [g]	06-Mar-15	07:59	2.50
Vol H2O2 [mL]	06-Mar-15	07:59	250
pH [no unit]	05-Mar-15	13:51	5.66
Conductivity [uS/cm]	04-Mar-15	13:19	8
Alkalinity [mg/L as CaCO3]	04-Mar-15	13:19	< 2
Acidity [mg/L as CaCO3]	04-Mar-15	13:19	< 2
Sulphate [mg/L]	09-Mar-15	14:02	2.2
Aluminum [mg/L]	11-Mar-15	14:00	< 0.01
Arsenic [mg/L]	11-Mar-15	14:00	< 0.0002
Barium [mg/L]	11-Mar-15	14:00	0.00014
Beryllium [mg/L]	11-Mar-15	14:00	0.000007
Bismuth [mg/L]	11-Mar-15	14:00	< 0.000007
Calcium [mg/L]	11-Mar-15	14:00	1.01
Cadmium [mg/L]	11-Mar-15	14:00	< 0.000003
Cobalt [mg/L]	11-Mar-15	14:00	0.000364
Chromium [mg/L]	11-Mar-15	14:00	0.00844
Copper [mg/L]	11-Mar-15	14:00	0.00841
Iron [mg/L]	11-Mar-15	14:00	0.040
Potassium [mg/L]	11-Mar-15	14:00	0.133
Lithium [mg/L]	11-Mar-15	14:00	0.000207
Magnesium [mg/L]	11-Mar-15	14:00	0.099
Manganese [mg/L]	11-Mar-15	14:00	0.00947
Molybdenum [mg/L]	11-Mar-15	14:00	0.00010
Sodium [mg/L]	11-Mar-15	14:00	0.71
Nickel [mg/L]	11-Mar-15	14:00	0.0002
Lead [mg/L]	11-Mar-15	14:00	0.00002
Antimony [mg/L]	11-Mar-15	14:00	< 0.0002
Selenium [mg/L]	11-Mar-15	14:00	< 0.001
Tin [mg/L]	11-Mar-15	14:00	0.00003
Strontium [mg/L]	11-Mar-15	14:00	0.00128
Titanium [mg/L]	11-Mar-15	14:00	0.00006

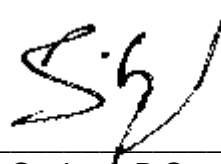
**SGS Canada Inc.**

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

**Project :** PO#396642

**LR Report :** CA11022-FEB15

<b>Analysis</b>	<b>3: Analysis Approval Date</b>	<b>4: Analysis Approval Time</b>	<b>5: AKA-ENV-029</b>
Thallium [mg/L]	11-Mar-15	14:00	< 0.000005
Uranium [mg/L]	11-Mar-15	14:00	< 0.000002
Vanadium [mg/L]	11-Mar-15	14:00	0.00007
Zinc [mg/L]	11-Mar-15	14:00	< 0.001



---

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



**SGS Canada Inc.**

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

26-May-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0, Canada

**Date Rec. :** 06 May 2015  
**LR Report:** CA11025-MAY15  
**Reference:** 1406970

**Copy:** #1

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Fax:(819) 759-3663

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Sample Date & Time	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
SiO2 [%]	69.3	71.9	71.9	69.2	75.2	65.0
Al2O3 [%]	12.9	12.7	13.1	13.2	12.7	14.3
Fe2O3 [%]	4.30	3.01	3.63	4.21	2.14	6.76
MgO [%]	1.88	1.33	1.43	1.87	0.97	2.76
CaO [%]	4.27	3.67	3.69	4.29	3.08	4.86
Na2O [%]	3.50	3.55	3.75	3.49	3.79	2.95
K2O [%]	1.36	1.26	1.22	1.33	1.33	0.95
TiO2 [%]	0.66	0.53	0.48	0.59	0.31	0.61
P2O5 [%]	0.13	0.11	0.10	0.14	0.08	0.11
MnO [%]	0.08	0.06	0.05	0.08	0.04	0.10
Cr2O3 [%]	0.03	0.03	0.03	0.02	0.03	0.03
V2O5 [%]	0.02	0.01	0.01	0.01	0.01	0.02
LOI [%]	1.90	2.04	1.31	1.80	1.64	2.20
Sum [%]	100.4	100.2	100.7	100.2	101.2	100.6

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



**SGS Canada Inc.**

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

26-May-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

10200, route de Pressac  
 Rouyn-Noranda, Quebec  
 J0Y 1C0, Canada

**Date Rec. :** 06 May 2015  
**LR Report:** CA11026-MAY15  
**Reference:** 1406970

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 Fax:(819) 759-3663

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	15-May-15	16:13	2.00	2.07	2.00	2.04	2.08	2.01
Initial pH	15-May-15	16:13	8.79	7.72	8.78	9.57	7.44	7.97
Vol H2SO4 [mL]	15-May-15	16:13	0.70	0.25	0.25	0.55	0.20	0.30
H2SO4 [Normality]	15-May-15	16:13	1.00	1.00	1.00	1.00	1.00	1.00
Gross NP [t CaCO3/1000 t]	15-May-15	16:13	18	6.0	6.2	14	4.8	7.5
AP [t CaCO3/1000 t]	---	---	0.53	0.15	0.15	0.31	0.15	0.47
NNP [kg CaCO3/ tonne]	---	---	17	5.8	6.0	13	4.6	7.0
Sulphur (total) [%]	12-May-15	15:08	0.017	< 0.005	< 0.005	0.010	< 0.005	0.015
Acid Leachable SO4-S [%]	---	---	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Sulphide [%]	12-May-15	15:08	0.01	< 0.01	< 0.01	0.01	< 0.01	0.01
Carbon (total) [%]	12-May-15	11:50	0.193	0.326	0.021	0.221	0.365	0.040
Carbonate [%]	12-May-15	11:50	0.425	0.015	0.020	0.415	0.010	< 0.005

MA110 ACI SOL 1.0

Gross NP (kg CaCO3/tonne) Section 7.3  
 AP (kg CaCO3/tonne) = Total S x 31.25

ASTM E1918 - S and C speciation

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



SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0, Canada

Phone: 819.759.3700 x5820  
Fax:(819) 759-3663

26-May-2015

**Date Rec. :** 06 May 2015  
**LR Report:** CA11028-MAY15  
**Reference:** 1406970

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# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20-May-15	10:15	40	40	40	40	40	40
Ext Fluid [#1 or #2]	20-May-15	10:15	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	20-May-15	10:15	800	800	800	800	800	800
Initial pH	20-May-15	10:15	4.98	4.95	4.93	4.90	4.93	4.92
Initial Conductivity [ $\mu$ S/cm]	20-May-15	10:15	5130	4860	4910	5020	4820	4920
pH [no unit]	21-May-15	10:34	5.15	5.00	4.99	5.14	4.98	4.99
Conductivity [ $\mu$ S/cm]	21-May-15	10:34	5220	4690	4730	5190	4590	4730
Alkalinity [mg/L as CaCO <sub>3</sub> ]	21-May-15	10:34	1690	1360	1350	1680	1290	1310
Bicarbonate [mg/L as CaCO <sub>3</sub> ]	21-May-15	10:34	1690	1360	1350	1680	1290	1310
Carbonate [mg/L as CaCO <sub>3</sub> ]	21-May-15	10:34	< 2	< 2	< 2	< 2	< 2	< 2
Sulphate [mg/L]	21-May-15	14:35	< 2	< 2	< 2	< 2	< 2	< 2
Chloride [mg/L]	25-May-15	13:57	< 20	< 20	< 20	< 20	< 20	< 20
Bromide [mg/L]	21-May-15	14:34	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	21-May-15	14:34	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	21-May-15	14:34	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	22-May-15	07:44	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Fluoride [mg/L]	22-May-15	10:03	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06



SGS Canada Inc.

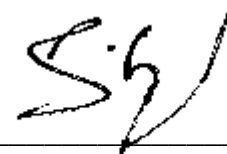
P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA11028-MAY15

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Phosphorus (total reactive) [mg/L]	25-May-15	10:36	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Mercury [mg/L]	22-May-15	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	25-May-15	12:52	0.15	1.00	0.16	0.17	0.48	0.65
Arsenic [mg/L]	26-May-15	10:29	0.0009	0.0008	0.0007	0.0006	0.0005	0.0003
Silver [mg/L]	26-May-15	10:29	0.000044	0.000020	0.000018	0.000004	0.000002	< 0.000002
Barium [mg/L]	26-May-15	10:29	0.346	0.166	0.146	0.385	0.117	0.229
Boron [mg/L]	26-May-15	10:29	0.0045	0.0003	< 0.0002	0.0014	< 0.0002	< 0.0002
Beryllium [mg/L]	26-May-15	10:29	0.000124	0.000112	0.000114	0.000137	0.000079	0.000155
Bismuth [mg/L]	26-May-15	10:29	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	25-May-15	12:52	127	23.4	16.4	121	1.97	1.08
Cadmium [mg/L]	26-May-15	10:29	0.000393	0.000317	0.000118	0.000384	0.000171	0.000034
Chromium [mg/L]	26-May-15	10:29	0.00144	0.00335	0.00167	0.00131	0.00357	0.00343
Cobalt [mg/L]	26-May-15	10:29	0.00732	0.00121	0.0223	0.00832	0.000680	0.00375
Copper [mg/L]	26-May-15	10:29	0.0357	0.0138	0.0389	0.0259	0.00425	0.0122
Iron [mg/L]	25-May-15	12:52	5.29	0.921	0.195	5.81	0.012	0.338
Potassium [mg/L]	25-May-15	12:52	9.45	2.90	2.31	9.31	0.322	4.81
Lithium [mg/L]	25-May-15	12:52	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Magnesium [mg/L]	25-May-15	12:52	18.6	2.72	2.58	19.8	0.265	0.365
Manganese [mg/L]	25-May-15	12:52	1.88	0.475	0.435	2.14	0.0296	0.178
Molybdenum [mg/L]	26-May-15	10:28	0.00084	0.00027	0.00007	0.00072	0.00059	0.00009
Nickel [mg/L]	26-May-15	10:28	0.0136	0.0025	0.0063	0.0170	0.0020	0.0021
Phosphorus [mg/L]	25-May-15	12:52	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009	< 0.009
Lead [mg/L]	25-May-15	12:52	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Uranium [mg/L]	26-May-15	10:28	0.00157	0.000769	0.000676	0.00258	0.000140	0.000285
Antimony [mg/L]	26-May-15	10:28	0.0004	0.0003	0.0002	0.0002	0.0003	0.0003
Selenium [mg/L]	26-May-15	10:28	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silicon [mg/L]	25-May-15	12:52	1.69	1.00	1.51	2.08	0.33	0.63
Tin [mg/L]	26-May-15	10:28	0.00006	0.00010	0.00021	0.00009	0.00005	0.00006
Strontium [mg/L]	26-May-15	10:28	0.206	0.0575	0.0639	0.200	0.0255	0.0263
Titanium [mg/L]	26-May-15	10:28	0.00036	0.0107	0.00074	0.00043	0.00297	0.00069
Thallium [mg/L]	26-May-15	10:28	0.000143	0.000041	< 0.000005	0.000134	0.000038	0.000081
Vanadium [mg/L]	26-May-15	10:28	0.00172	0.00419	0.00019	0.00157	0.00440	0.00009
Zinc [mg/L]	25-May-15	12:52	0.023	0.257	0.013	0.024	0.002	0.004

Quebec SPLP1311-(MA. 100 -Lix.com.1.1)

Alkalinity SM2310 (SGS method ME-CA-[ENV]EWL-LAK-AN-006)  
Anions EPA300/MA300-Ions1.3 (SGS method ME-CA-[ENV]IC-LAK-AN-001)  
Conductivity SM2510 (SGS method ME-CA-[ENV]EWL-LAK-AN-006)  
Fluoride SM4500 (SGS method ME-CA-[ENV]EWL-LAK-AN-014)  
Mercury EPA 7471A/SM 3112B (SGS method ME-CA-[ENV]SPE-LAK-AN-004)  
Metals SM 3030/EPA 200.8 ICP-MS (SGS method ME-CA-[ENV]SPE-LAK-AN-006)  
Metals SM 3030/EPA 200.7 ICP-OES (SGS method ME-CA-[ENV]SPE-LAK-AN-003)  
pH SM4500 (SGS method ME-CA-[ENV]EWL-LAK-AN-001 SM 4500)



---

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

**SGS Canada Inc.**

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

05-June-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

 10200, route de Pressac  
 Rouyn-Noranda, Quebec  
 J0Y 1C0, Canada

**Date Rec. :** 06 May 2015  
**LR Report:** CA11029-MAY15  
**Reference:** 1406970

**Copy:** #1

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 Fax:(819) 759-3663

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	20-May-15	10:16	40	40	40	40	40	40
Ext Fluid [#1 or #2]	20-May-15	10:16	1.0	1.0	1.0	1.0	1.0	1.0
Ext Volume [mL]	20-May-15	10:16	800	800	800	800	800	800
Initial pH	20-May-15	10:16	7.38	6.54	6.24	8.25	4.88	4.65
Initial Conductivity [µS/cm]	20-May-15	10:16	20	12	12	20	12	14
pH [no unit]	22-May-15	15:44	7.42	7.87	8.10	9.05	8.31	6.17
Conductivity [uS/cm]	21-May-15	10:34	49	50	51	84	54	11
Alkalinity [mg/L as CaCO3]	21-May-15	10:34	17	21	17	36	16	< 2
Bicarbonate [mg/L as CaCO3]	21-May-15	10:34	17	21	17	29	16	< 2
Carbonate [mg/L as CaCO3]	21-May-15	10:34	< 2	< 2	< 2	8	< 2	< 2
Sulphate [mg/L]	21-May-15	14:35	3.8	3.4	2.5	5.5	3.4	2.2
Chloride [mg/L]	21-May-15	14:35	< 2	< 2	< 2	< 2	< 2	< 2
Bromide [mg/L]	21-May-15	14:34	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	21-May-15	14:34	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	21-May-15	14:34	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	21-May-15	14:34	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Fluoride [mg/L]	22-May-15	10:03	< 0.06	0.13	< 0.06	0.16	0.15	< 0.06
Phosphorus (total reactive) [mg/L]	25-May-15	10:37	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Mercury [mg/L]	22-May-15	09:59	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	25-May-15	14:28	0.32	0.78	0.36	0.32	0.24	< 0.01
Arsenic [mg/L]	26-May-15	10:29	0.0023	0.0011	0.0063	0.0038	0.0013	< 0.0002
Silver [mg/L]	26-May-15	10:29	0.000002	< 0.000002	0.000006	0.000017	0.000004	< 0.000002
Barium [mg/L]	26-May-15	10:29	0.00499	0.00433	0.00481	0.00385	0.00111	0.00156
Boron [mg/L]	26-May-15	10:29	0.0005	0.0540	0.0152	0.0629	0.129	0.0136
Beryllium [mg/L]	26-May-15	10:29	< 0.000007	0.000011	0.000041	0.000007	< 0.000007	< 0.000007
Bismuth [mg/L]	26-May-15	10:29	< 0.000007	< 0.000007	0.000029	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	25-May-15	12:53	6.46	1.71	3.08	6.05	0.57	0.40
Cadmium [mg/L]	26-May-15	10:29	< 0.000003	0.000006	0.000008	0.000005	0.000005	< 0.000003
Chromium [mg/L]	26-May-15	10:29	0.00037	0.00147	0.00060	0.00092	0.00089	< 0.00003
Cobalt [mg/L]	26-May-15	10:29	0.000089	0.000165	0.000163	0.000124	0.000039	0.000294
Copper [mg/L]	26-May-15	10:29	0.00132	0.00234	0.00234	0.00158	0.00146	0.00022
Iron [mg/L]	25-May-15	12:53	0.173	0.372	0.251	0.235	0.041	< 0.002
Potassium [mg/L]	25-May-15	12:53	0.883	0.392	0.233	0.909	0.668	0.505
Lithium [mg/L]	25-May-15	12:53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Magnesium [mg/L]	25-May-15	12:53	0.460	0.460	0.420	0.500	0.121	0.213

**SGS Canada Inc.**

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

LR Report : CA11029-MAY15

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Manganese [mg/L]	25-May-15	12:53	0.0074	0.0078	< 0.0001	0.0024	< 0.0001	0.0517
Molybdenum [mg/L]	26-May-15	10:29	0.00088	0.00048	0.00208	0.00125	0.00057	0.00057
Sodium [mg/L]	04-Jun-15	15:13	1.89	8.79	6.57	10.3	8.98	0.42
Nickel [mg/L]	26-May-15	10:29	0.0005	0.0006	0.0006	0.0004	0.0003	0.0008
Phosphorus [mg/L]	25-May-15	12:53	0.030	0.015	0.011	0.028	< 0.009	< 0.009
Lead [mg/L]	25-May-15	12:53	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
Uranium [mg/L]	26-May-15	10:29	0.000236	0.000033	0.000055	0.000232	0.000018	< 0.000002
Antimony [mg/L]	26-May-15	10:29	< 0.0002	< 0.0002	0.0002	0.0003	0.0003	< 0.0002
Selenium [mg/L]	26-May-15	10:29	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Silicon [mg/L]	25-May-15	12:53	2.06	1.70	1.87	3.41	0.99	0.55
Tin [mg/L]	26-May-15	10:29	0.00005	0.00002	0.00009	0.00003	0.00014	< 0.00001
Strontium [mg/L]	26-May-15	10:29	0.0195	0.00363	0.00586	0.0130	0.00155	0.00493
Titanium [mg/L]	26-May-15	10:29	0.00985	0.0224	0.0115	0.0121	0.00764	0.00009
Thallium [mg/L]	26-May-15	10:29	< 0.000005	< 0.000005	0.000020	< 0.000005	< 0.000005	< 0.000005
Vanadium [mg/L]	26-May-15	10:29	0.00832	0.00493	0.00138	0.0102	0.00500	0.00006
Zinc [mg/L]	25-May-15	12:53	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002

Quebec SPLP1312- (MA. 100 -Lix.com.1.1)

- Alkalinity SM2310 (SGS method ME-CA-[ENV]EWL-LAK-AN-006)
- Anions EPA300/MA300-Ions1.3 (SGS method ME-CA-[ENV]IC-LAK-AN-001)
- Conductivity SM2510 (SGS method ME-CA-[ENV]EWL-LAK-AN-006)
- Fluoride SM4500 (SGS method ME-CA-[ENV]EWL-LAK-AN-014)
- Mercury EPA 7471A/SM 3112B (SGS method ME-CA-[ENV]SPE-LAK-AN-004)
- Metals SM 3030/EPA 200.8 ICP-MS (SGS method ME-CA-[ENV]SPE-LAK-AN-006)
- Metals SM 3030/EPA 200.7 ICP-OES (SGS method ME-CA-[ENV]SPE-LAK-AN-003)
- pH SM4500 (SGS method ME-CA-[ENV]EWL-LAK-AN-001 SM 4500)

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

**SGS Canada Inc.**

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

05-June-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

**Date Rec. :** 06 May 2015  
**LR Report:** CA11030-MAY15  
**Reference:** 1406970

10200, route de Pressac  
 Rouyn-Noranda, Quebec  
 J0Y 1C0, Canada

**Copy:** #1

Phone: 819.759.3700 x5820  
 Fax:(819) 759-3663

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	25-May-15	14:21	100	100	100	100	100	100
Volume D.I. Water [mL]	25-May-15	14:21	400	400	400	400	400	400
Initial pH	25-May-15	14:21	8.88	7.20	8.58	8.98	6.04	6.35
Initial Conductivity [µS/cm]	25-May-15	14:21	75	29	36	59	11	9
Conductivity [µS/cm]	29-May-15	10:00	164	141	132	146	82	69
pH [no unit]	29-May-15	10:00	9.22	8.89	9.27	9.28	9.01	9.02
Alkalinity [mg/L as CaCO3]	29-May-15	10:00	59	68	57	63	37	32
Bicarbonate [mg/L as CaCO3]	29-May-15	10:00	40	59	39	42	28	24
Carbonate [mg/L as CaCO3]	29-May-15	10:00	19	9	18	21	9	8
Sulphate [mg/L]	02-Jun-15	09:18	12	5.5	2.9	12	3.8	4.0
Chloride [mg/L]	02-Jun-15	09:18	8.0	< 2	6.1	< 2	< 2	< 2
Bromide [mg/L]	01-Jun-15	09:13	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrite (as N) [mg/L]	29-May-15	13:14	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	29-May-15	13:14	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	29-May-15	13:14	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Fluoride [mg/L]	29-May-15	13:14	0.29	0.31	0.31	0.29	0.25	0.29
Phosphorus (total reactive) [mg/L]	29-May-15	06:43	0.04	0.12	0.03	0.04	0.05	0.14
Mercury [mg/L]	02-Jun-15	12:42	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00001
Aluminum [mg/L]	02-Jun-15	11:45	0.480	9.16	0.520	0.520	3.70	7.21
Arsenic [mg/L]	29-May-15	16:11	0.0079	0.0023	0.0046	0.0083	0.0031	0.0016
Silver [mg/L]	29-May-15	16:11	0.000005	0.000021	0.000040	0.000030	0.000060	0.000028
Barium [mg/L]	29-May-15	16:11	0.00879	0.0594	0.00597	0.00893	0.0191	0.0281
Boron [mg/L]	29-May-15	16:11	0.175	0.475	0.151	0.184	0.317	0.264
Beryllium [mg/L]	29-May-15	16:11	0.000010	0.000180	0.000008	0.000008	0.000063	0.000092
Bismuth [mg/L]	29-May-15	16:11	< 0.000007	0.000089	< 0.000007	< 0.000007	0.000029	0.000029
Calcium [mg/L]	29-May-15	16:11	15.5	12.6	10.1	14.8	1.37	0.82
Cadmium [mg/L]	29-May-15	16:11	0.000016	0.000049	0.000004	0.000008	0.000174	0.000026
Chromium [mg/L]	29-May-15	16:11	0.00173	0.0226	0.00181	0.00179	0.0122	0.0126
Cobalt [mg/L]	29-May-15	16:11	0.000270	0.00266	0.000375	0.000250	0.00410	0.00263
Copper [mg/L]	29-May-15	16:11	0.00761	0.0243	0.00514	0.00582	0.0185	0.0180
Iron [mg/L]	29-May-15	16:11	0.338	5.16	0.431	0.367	1.46	3.73
Potassium [mg/L]	29-May-15	16:11	2.00	2.50	1.03	2.51	0.705	0.676
Lithium [mg/L]	29-May-15	16:11	0.00151	0.00557	0.000643	0.00162	0.00196	0.00127
Sodium [mg/L]	04-Jun-15	15:16	17.3	24.9	16.6	14.3	17.8	15.0
Magnesium [mg/L]	29-May-15	16:11	1.39	4.20	1.05	1.34	0.566	0.666

**SGS Canada Inc.**

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

LR Report : CA11030-MAY15

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Manganese [mg/L]	29-May-15	16:11	0.00986	0.102	0.00773	0.0106	0.0153	0.0781
Molybdenum [mg/L]	29-May-15	16:11	0.00688	0.00739	0.00846	0.00853	0.00250	0.00415
Nickel [mg/L]	29-May-15	16:11	0.0011	0.0088	0.0011	0.0011	0.0042	0.0053
Phosphorus [mg/L]	29-May-15	16:11	0.074	0.113	0.043	0.062	0.061	0.158
Lead [mg/L]	29-May-15	16:11	0.00023	0.00299	0.00017	0.00025	0.00121	0.00311
Uranium [mg/L]	29-May-15	16:11	0.000765	0.000775	0.000352	0.00110	0.000456	0.000302
Antimony [mg/L]	29-May-15	16:11	0.0007	0.0005	0.0006	0.0007	0.0004	0.0003
Selenium [mg/L]	29-May-15	16:11	0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001
Silicon [mg/L]	29-May-15	16:11	10.2	24.3	8.76	10.7	12.7	14.7
Tin [mg/L]	29-May-15	16:11	0.00027	0.00035	0.00005	0.00003	0.00011	0.00018
Strontium [mg/L]	29-May-15	16:11	0.0457	0.0342	0.0210	0.0354	0.00483	0.00547
Titanium [mg/L]	29-May-15	16:11	0.0220	0.423	0.0225	0.0249	0.138	0.295
Thallium [mg/L]	29-May-15	16:11	< 0.000005	0.000081	< 0.000005	< 0.000005	0.000280	0.000051
Vanadium [mg/L]	29-May-15	16:11	0.0272	0.0211	0.00851	0.0258	0.0120	0.00848
Zinc [mg/L]	29-May-15	16:11	0.002	0.017	0.002	0.001	0.005	0.007

CTEU-9 (Quebec MA. 100 Li x Com1. 1)

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



**SGS Canada Inc.**

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

28-May-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

10200, route de Pressac  
 Rouyn-Noranda, Quebec  
 J0Y 1C0, Canada

**Date Rec. :** 06 May 2015  
**LR Report:** CA11027-MAY15  
**Reference:** 1406970

**Copy:** #1

Phone: 819.759.3700 x5820  
 Fax:(819) 759-3663

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Fluoride [µg/g]	28-May-15	14:25	2.93	1.85	1.42	2.19	1.35	2.61
Bromide [µg/g]	11-May-15	16:38	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Mercury [µg/g]	11-May-15	09:17	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Silver [µg/g]	13-May-15	10:47	0.17	0.08	0.11	1.2	0.04	0.01
Aluminum [µg/g]	13-May-15	15:05	7800	5700	6000	7600	3900	12000
Arsenic [µg/g]	13-May-15	15:05	0.6	< 0.5	< 0.5	0.6	< 0.5	< 0.5
Boron [µg/g]	13-May-15	15:05	2	1	3	< 1	2	< 1
Barium [µg/g]	13-May-15	15:05	34	21	26	33	20	36
Beryllium [µg/g]	13-May-15	15:05	0.1	0.1	0.1	0.1	0.1	0.1
Bismuth [µg/g]	13-May-15	15:05	0.12	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	13-May-15	15:05	7100	2900	3300	6600	1900	2500
Cadmium [µg/g]	13-May-15	15:05	0.0	0.0	0.0	0.0	0.0	< 0.02
Cobalt [µg/g]	13-May-15	15:05	6.3	3.0	4.8	5.9	2.0	7.9
Chromium [µg/g]	13-May-15	15:05	47	51	60	44	63	55
Copper [µg/g]	13-May-15	15:05	15	7.4	26	16	14	21
Iron [µg/g]	13-May-15	15:05	14000	6400	9900	13000	4300	22000
Potassium [µg/g]	13-May-15	15:05	960	550	550	860	370	1000
Lithium [µg/g]	13-May-15	15:05	7	5	5	7	3	8
Magnesium [µg/g]	13-May-15	15:05	5200	2200	3000	4900	1400	8400
Manganese [µg/g]	13-May-15	15:05	220	100	130	210	56	380
Molybdenum [µg/g]	13-May-15	15:05	0.8	0.3	0.4	0.7	0.4	0.4
Sodium [µg/g]	13-May-15	15:05	470	370	420	320	340	190
Nickel [µg/g]	13-May-15	15:05	18	9.9	13	17	8.3	22
Phosphorus [µg/g]	13-May-15	15:05	580	430	410	560	330	470
Lead [µg/g]	13-May-15	15:05	2.2	2.0	1.5	3.0	1.1	0.88
Antimony [µg/g]	13-May-15	15:05	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	13-May-15	15:05	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Silicon [µg/g]	13-May-15	15:05	670	700	630	520	720	1200

**SGS Canada Inc.**

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

LR Report : CA11027-MAY15

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Tin [µg/g]	13-May-15	15:05	0.9	0.9	0.8	< 0.5	0.8	< 0.5
Strontium [µg/g]	13-May-15	15:05	23	16	16	19	12	12
Titanium [µg/g]	13-May-15	15:05	600	490	440	490	290	680
Thallium [µg/g]	13-May-15	15:05	0.04	0.03	< 0.02	0.03	0.02	< 0.02
Uranium [µg/g]	13-May-15	15:05	0.98	0.74	0.19	0.43	0.17	0.27
Vanadium [µg/g]	13-May-15	15:05	25	13	16	21	8	21
Zinc [µg/g]	13-May-15	15:05	24	16	20	22	9.9	36

Metals - MA200 Met1.2

Mercury, CVAAS EPA 7471A/EPA 245 (SGS method ME-CA-[ENV]SPE-LAK-AN-004)  
 Metals, MA200\_MET. 1.2 ICP-MS (SGS method ME-CA-[ENV]SPE-LAK-AN-007)  
 Metals, MA200.MET. 1.2 ICP-OES (SGS method ME-CA-[ENV]SPE-LAK-AN-001)

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

**SGS Canada Inc.**

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

21-April-2015

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

10200, route de Pressac  
 Rouyn-Noranda, Quebec  
 J0Y 1C0, Canada

**Date Rec. :** 10 April 2015  
**LR Report:** CA13297-APR15  
**Reference:** 1406970

**Copy:** #1

Phone: 819.759.3700 x5820  
 Fax:(819) 759-3663

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: 14-gt-06 Sample 14	6: 14-gt-06 Sample 16	7: 14-gt-07 Sample 11	8: 14-gt-11 Sample 11	9: 14-gt-11 Sample ss2b	10: 14-gt-09 Sample ss1
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Paste pH	17-Apr-15	14:29	8.58	7.21	8.70	8.75	6.84	8.01
Fizz Rate [---]	17-Apr-15	14:29	1	1	1	1	1	1
Sample weight [g]	17-Apr-15	14:29	2.14	2.07	1.99	2.08	1.91	2.10
HCl added [mL]	17-Apr-15	14:29	20.00	20.00	20.00	20.00	20.00	20.00
HCl [Normality]	17-Apr-15	14:29	0.10	0.10	0.10	0.10	0.10	0.10
NaOH [Normality]	17-Apr-15	14:29	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to [pH=8.3 mL]	17-Apr-15	14:29	13.05	18.62	17.72	13.82	18.74	17.25
Final pH	17-Apr-15	14:29	1.49	1.23	1.21	1.46	1.20	1.33
NP [t CaCO3/1000 t]	17-Apr-15	14:29	16	3.3	5.7	15	3.3	6.6
AP [t CaCO3/1000 t]	---	---	0.31	0.31	0.31	0.31	0.31	0.31
Net NP [t CaCO3/1000 t]	---	---	15.9	2.99	5.39	14.5	2.99	6.29
NP/AP [ratio]	---	---	52.3	10.6	18.4	47.7	10.6	21.3
Sulphur (total) [%]	17-Apr-15	14:37	0.012	< 0.005	< 0.005	0.012	< 0.005	0.015
Acid Leachable SO4-S [%]	---	---	0.01	< 0.01	< 0.01	0.01	< 0.01	0.02
Sulphide [%]	17-Apr-15	14:37	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbon (total) [%]	16-Apr-15	15:10	0.178	0.326	0.021	0.160	0.368	0.038
Carbonate [%]	16-Apr-15	15:10	0.410	< 0.025	< 0.025	0.415	< 0.025	< 0.025

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

**SGS Canada Inc.**

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

LR Report : CA13297-APR15

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

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

$$*Net \ NP \text{ (Net Neutralization Potential)} = NP - AP$$

$$NP/AP \text{ Ratio} = NP/AP$$

\*Results expressed as tonnes CaCO<sub>3</sub> equivalent/1000 tonnes of material  
Samples with a % Sulphide value of <0.01 will be calculated using a 0.01 value.



SGS Canada Inc.

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

**Agnico Eagle Mines Limited**

Attn : Serge Ouellet

10200, route de Pressac  
Rouyn-Noranda, Quebec  
J0Y 1C0, Canada

Phone: 819.759.3700 x5820  
Fax:(819) 759-3663

CTEU-9-

11-May-2015

Date Rec. : 07 April 2015  
LR Report: CA11016-APR15  
Reference: PO#396642

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: AKA14-ENV-04 3	6: AKA14-ENV-04 4	7: AKA14-ENV-04 5	8: AKA14-ENV-06 0	9: AKA14-ENV-08 1	10: AKA14-ENV-08 2	11: AKA14-ENV-08 3	12: AKA14-ENV-08 4	13: AKA14-ENV-08 5	14: AKA14-ENV-08 6
Sample Date & Time			Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A	Date:N/A
Sample weight [g]	27-Apr-15	09:43	100	100	100	100	100	100	100	100	100	100
Volume D.I. Water [mL]	27-Apr-15	09:43	400	400	400	400	400	400	400	400	400	400
Initial pH	27-Apr-15	09:43	9.90	9.79	9.90	9.91	9.99	9.87	9.92	9.97	9.77	9.90
Final pH	27-Apr-15	09:43	9.15	9.14	9.25	9.67	9.60	9.42	9.41	9.48	9.05	9.28
Initial Conductivity [µS/cm]	27-Apr-15	09:43	146	134	149	121	172	183	196	174	199	179
Alkalinity [mg/L as CaCO3]	28-Apr-15	10:12	64	63	82	72	74	66	60	69	53	71
pH [no unit]	28-Apr-15	10:12	9.31	9.27	9.38	9.52	9.53	9.46	9.42	9.49	9.08	9.43
Conductivity [µS/cm]	28-Apr-15	10:12	209	184	210	156	220	241	257	221	257	249
Carbonate [mg/L as CaCO3]	28-Apr-15	10:12	18	15	22	27	31	26	24	28	13	26
Bicarbonate [mg/L as CaCO3]	28-Apr-15	10:12	47	48	60	45	43	40	37	41	40	45
Fluoride [mg/L]	28-Apr-15	08:51	0.45	0.36	0.51	0.57	0.62	0.57	0.56	0.70	0.50	0.59
Chloride [mg/L]	30-Apr-15	12:21	5.5	3.8	2.6	4.1	11	13	10	6.2	8.3	8.2
Sulphate [mg/L]	30-Apr-15	12:21	18	12	12	2.9	12	26	37	22	42	27
Bromide [mg/L]	29-Apr-15	17:58	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Nitrite (as N) [mg/L]	29-Apr-15	17:58	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nitrate (as N) [mg/L]	29-Apr-15	17:58	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Nitrate + Nitrite (as N) [mg/L]	29-Apr-15	17:58	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Phosphorus (total reactive) [mg/L]	29-Apr-15	11:24	< 0.003	< 0.003	< 0.003	< 0.003	0.09	0.05	0.03	0.09	0.03	0.04
Mercury [mg/L]	30-Apr-15	09:43	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	29-Apr-15	14:34	0.381	0.837	1.16	0.595	0.557	0.447	0.309	0.653	0.352	0.533

OnLine LIMS

0000406037



SGS Canada Inc.

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

CTEU-9-

LR Report : CA11016-APR15

Analysis	3:	4:	5:	6:	7:	8:	9:	10:	11:	12:	13:	14:
	Analysis Approval Date	Analysis Approval Time	AKA14-ENV-04 3	AKA14-ENV-04 4	AKA14-ENV-04 5	AKA14-ENV-06 0	AKA14-ENV-08 1	AKA14-ENV-08 2	AKA14-ENV-08 3	AKA14-ENV-08 4	AKA14-ENV-08 5	AKA14-ENV-08 6
Arsenic [mg/L]	29-Apr-15	14:34	0.0305	0.0150	0.0302	0.0225	0.0272	0.0210	0.0172	0.0575	0.0099	0.0113
Silver [mg/L]	29-Apr-15	14:34	0.000144	0.000072	0.000091	0.000004	0.000182	0.000043	0.000034	0.000031	0.000070	0.000038
Barium [mg/L]	29-Apr-15	14:34	0.00084	0.00143	0.00161	0.00068	0.00807	0.00878	0.00511	0.0146	0.00683	0.0112
Beryllium [mg/L]	29-Apr-15	14:34	< 0.000007	< 0.000007	0.000007	< 0.000007	0.000013	0.000011	< 0.000007	0.000027	0.000009	0.000016
Boron [mg/L]	29-Apr-15	14:34	0.0731	0.122	0.131	0.0890	0.115	0.122	0.102	0.124	0.128	0.114
Bismuth [mg/L]	29-Apr-15	14:34	0.000022	0.000029	0.000008	< 0.000007	0.000015	0.000012	0.000011	< 0.000007	< 0.000007	< 0.000007
Calcium [mg/L]	29-Apr-15	14:34	5.68	4.12	3.59	1.76	2.47	5.17	5.34	3.55	9.45	5.99
Cadmium [mg/L]	29-Apr-15	14:34	0.000006	0.000008	0.000020	0.000006	0.000014	0.000006	0.000010	0.000010	0.000010	0.000007
Cobalt [mg/L]	29-Apr-15	14:34	0.000030	0.000082	0.000066	0.000016	0.000187	0.000121	0.000076	0.000370	0.000088	0.000152
Chromium [mg/L]	29-Apr-15	14:34	0.00070	0.00063	0.00222	0.0184	0.00538	0.00416	0.00151	0.00510	0.00176	0.00314
Copper [mg/L]	29-Apr-15	14:34	0.00181	0.00200	0.00255	0.00137	0.00655	0.00244	0.00406	0.00537	0.00547	0.00324
Iron [mg/L]	29-Apr-15	14:34	0.028	0.116	0.092	0.025	0.207	0.160	0.080	0.398	0.121	0.179
Potassium [mg/L]	29-Apr-15	14:34	6.19	16.8	20.7	6.28	15.0	15.5	13.5	20.8	13.9	13.7
Lithium [mg/L]	29-Apr-15	14:34	0.000803	0.000429	0.000624	0.000429	0.00172	0.00120	0.00318	0.00225	0.00264	0.00264
Magnesium [mg/L]	29-Apr-15	14:34	1.57	1.24	0.722	0.430	0.575	1.14	1.04	0.942	1.85	1.41
Manganese [mg/L]	29-Apr-15	14:34	0.00067	0.00165	0.00137	0.00062	0.00389	0.00255	0.00142	0.00712	0.00265	0.00394
Molybdenum [mg/L]	29-Apr-15	14:34	0.0165	0.0127	0.0468	0.0180	0.0363	0.0191	0.0397	0.0198	0.0222	0.00733
Sodium [mg/L]	29-Apr-15	14:34	31.8	23.1	26.8	28.3	35.0	35.0	38.5	31.1	31.9	36.8
Nickel [mg/L]	29-Apr-15	14:34	0.0001	0.0002	0.0001	0.0002	0.0009	0.0010	0.0004	0.0018	0.0007	0.0009
Phosphorus [mg/L]	29-Apr-15	14:34	0.008	0.010	0.010	< 0.003	0.055	0.028	0.020	0.061	0.029	0.039
Lead [mg/L]	29-Apr-15	14:34	< 0.00001	< 0.00001	< 0.00001	0.00004	0.00019	0.00015	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Antimony [mg/L]	29-Apr-15	14:34	0.0139	0.0045	0.0046	0.0036	0.0019	0.0032	0.0016	0.0033	0.0013	0.0013
Selenium [mg/L]	29-Apr-15	14:34	0.001	0.002	0.001	< 0.001	0.003	0.001	0.004	0.002	0.003	0.003
Silicon [mg/L]	29-Apr-15	14:34	4.05	2.88	3.00	5.42	7.50	7.31	6.66	8.27	6.79	7.54
Tin [mg/L]	29-Apr-15	14:34	0.00014	0.00008	0.00010	0.00004	0.00005	0.00008	0.00004	0.00007	0.00004	0.00006
Strontium [mg/L]	29-Apr-15	14:34	0.00811	0.00507	0.00388	0.00446	0.00879	0.0163	0.0184	0.0123	0.0262	0.0187
Titanium [mg/L]	29-Apr-15	14:34	0.00260	0.00631	0.00683	0.00119	0.0124	0.0111	0.00621	0.0279	0.00974	0.0141
Thallium [mg/L]	29-Apr-15	14:34	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005	< 0.000005
Uranium [mg/L]	29-Apr-15	14:34	0.000041	0.000059	0.000074	0.000044	0.000161	0.000294	0.000226	0.000405	0.000710	0.00120
Vanadium [mg/L]	29-Apr-15	14:34	0.0144	0.00863	0.0147	0.0392	0.0349	0.0335	0.0224	0.0407	0.0156	0.0257
Zinc [mg/L]	29-Apr-15	14:34	< 0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001

CTEU-9 (Quebec MA. 100 Lix Com1.1)

### Method Descriptions

Parameter	SGS Method Code	Reference Method Code
Alkalinity	ME-CA-[ENV]EWL-LAK-AN-006	SM 2320
Anions by IC	ME-CA-[ENV]IC-LAK-AN-001	EPA300/MA300-Ions1.3
Carbonate/Bicarbonate	ME-CA-[ENV]EWL-LAK-AN-006	SM 2320
Conductivity	ME-CA-[ENV]EWL-LAK-AN-006	SM 2510
Flouride by Specific Ion Electrode	ME-CA-[ENV]EWL-LAK-AN-014	SM 4500
Mercury by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004	EPA 7471A/SM 3112B
Metals	MTH-SPEC-11	SM 3030/EPA 200.8
Metals in aqueous samples - ICP-MS	ME-CA-[ENV]SPE-LAK-AN-006	SM 3030/EPA 200.8
pH	ME-CA-[ENV]EWL-LAK-AN-001	SM 4500
Reactive Phosphorus by SFA	ME-CA-[ENV]SFA-LAK-AN-004	SM 4500-P F

*Chris Sullivan, B.Sc., C.Chem*  
*Project Specialist*  
*Environmental Services, Analytical*

