



ALS Canada Ltd.  
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To: ANGLOGOLD ASHANTI MINNESOTA INC.  
6300 S. SYRACUSE WAY #500  
CENTENNIAL CO 80111  
USA

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Total # Pages: 2 (A - G)  
Plus Appendix Pages  
Finalized Date: 22-MAY-2017  
This copy reported on  
30-MAY-2017  
Account: AAMICLSR

**CERTIFICATE VA17084771**

Project: Celina  
P.O. No.: 1003795-AAMICLSR-R1  
This report is for 21 Pulp samples submitted to our lab in Vancouver, BC, Canada on 1-MAY-2017.

The following have access to data associated with this certificate:

TREVOR BURR

PERTH DATA

ANDREW TYRELL

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
SCR-CLAY	Clay Fraction Separation

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
C-IR07	Total Carbon (Leco)	LECO
ME-MS41L	Super Trace Lowest DL AR by ICP-MS	
ME-MS61L	Super Trace Lowest DL 4A by ICP-MS	ICP-MS

To: ANGLOGOLD ASHANTI MINNESOTA INC.  
ATTN: PERTH DATA  
6300 S. SYRACUSE WAY #500  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Comments: \*\*\*Corrected copy with the addition of prefixes R to all sample descriptions\*\*\*

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS VA17084771**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-MS61L Ag ppm	ME-MS61L Al %	ME-MS61L As ppm	ME-MS61L Ba ppm	ME-MS61L Be ppm	ME-MS61L Bi ppm	ME-MS61L Ca %	ME-MS61L Cd ppm	ME-MS61L Ce ppm	ME-MS61L Co ppm	ME-MS61L Cr ppm	ME-MS61L Cs ppm	ME-MS61L Cu ppm	ME-MS61L Fe %
		0.02	0.002	0.01	0.05	1	0.02	0.005	0.01	0.005	0.01	0.005	0.3	0.01	0.02	0.002
R863501		0.16	0.062	5.43	3.11	450	1.14	0.148	8.18	0.108	57.1	9.57	56.5	2.61	18.15	2.37
R863502		0.18	0.077	6.55	3.69	530	1.35	0.188	6.03	0.144	64.6	11.90	67.2	3.44	23.1	2.88
R863503		0.16	0.073	6.43	3.16	530	1.34	0.166	6.13	0.132	62.8	10.95	62.2	2.98	21.9	2.72
R863504		0.10	0.048	6.91	0.79	620	1.61	0.120	1.96	0.063	57.4	8.73	53.4	1.45	18.95	1.930
R863505		0.06	0.062	7.57	1.55	460	1.13	0.120	2.76	0.105	43.7	30.0	141.5	1.88	92.4	6.48
R863510		0.06	0.076	7.42	0.30	99	0.49	0.020	2.25	0.072	18.30	47.1	124.0	0.65	140.5	9.55
R863511		0.06	0.081	6.00	4.13	490	1.22	0.175	8.18	0.179	60.7	10.15	67.4	3.16	20.3	2.49
R863512		0.16	0.077	6.71	3.79	530	1.45	0.204	6.16	0.158	68.5	12.70	71.9	3.86	25.7	3.04
R863513		0.12	0.088	7.29	4.85	540	1.67	0.249	6.06	0.212	67.1	14.25	81.9	4.61	29.6	3.51
R863514		0.30	0.060	7.80	0.92	680	1.70	0.136	1.80	0.111	61.7	14.55	98.6	2.34	31.1	2.87
R863515		0.12	0.055	7.91	0.98	580	1.32	0.113	2.24	0.095	43.4	14.15	65.8	1.81	69.7	2.81
R863517		0.14	0.072	6.54	3.29	550	1.37	0.183	5.71	0.139	63.8	12.55	70.9	3.30	24.7	2.88
R863518		0.06	0.098	7.54	4.75	620	1.68	0.272	4.82	0.149	68.4	16.50	91.7	4.66	35.7	3.77
R863519		0.10	0.092	7.71	4.39	640	1.65	0.269	4.22	0.148	73.3	17.55	97.9	4.81	37.7	3.76
R863520		0.20	0.048	7.00	1.38	560	1.54	0.149	1.93	0.060	61.5	8.54	46.6	1.44	21.5	1.760
R863521		0.18	0.054	7.44	1.50	590	1.57	0.149	2.00	0.094	64.8	10.75	59.0	1.95	26.8	2.12
R863522		0.08	0.041	6.79	0.89	600	1.49	0.098	1.99	0.058	46.7	8.16	49.1	1.09	15.85	1.700
R863523		0.12	0.057	8.54	0.73	374	0.84	0.072	1.00	0.046	25.4	42.0	203	0.70	94.5	9.12
R863524		0.06	0.087	7.48	1.13	232	0.98	0.101	2.29	0.100	35.3	46.2	714	0.85	86.9	8.36
R863525		0.08	0.139	7.49	1.11	256	0.88	0.147	1.57	0.148	39.0	42.5	503	0.67	177.5	7.93
R863526		0.12	0.091	6.25	0.64	99	0.84	0.052	2.53	0.264	31.5	52.0	878	0.77	60.5	7.32

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Project: Celina

**CERTIFICATE OF ANALYSIS VA17084771**

Sample Description	Method Analyte Units LOR	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.05	0.004	0.005	0.01	0.005	0.2	0.01	0.2	0.02	0.001	0.005	0.08	0.001
R863501		12.65	0.11	3.04	0.038	1.57	26.7	28.4	2.92	493	0.61	1.270	6.98	27.6	0.059
R863502		16.40	0.14	3.23	0.047	1.75	30.3	35.4	2.32	529	0.72	1.465	7.47	35.5	0.063
R863503		16.40	0.13	3.51	0.059	1.72	29.7	32.6	2.37	526	0.74	1.600	7.24	33.5	0.067
R863504		15.85	0.13	3.83	0.018	1.86	25.1	13.4	0.72	427	0.52	2.77	5.00	24.7	0.095
R863505		19.40	0.12	2.60	0.058	1.37	18.50	22.7	2.17	1310	1.00	1.835	5.28	69.6	0.069
R863510		21.1	0.09	1.580	0.094	0.26	7.25	21.8	3.78	1825	0.90	0.990	2.99	77.3	0.059
R863511		15.45	0.11	2.76	0.042	1.69	28.6	33.2	2.72	501	0.88	1.310	7.83	31.9	0.059
R863512		17.70	0.12	3.21	0.057	1.81	33.0	40.0	2.40	555	0.79	1.375	8.24	38.7	0.063
R863513		19.45	0.12	3.08	0.040	1.92	31.8	49.7	2.38	623	1.12	1.200	9.21	45.0	0.061
R863514		19.40	0.11	3.71	0.040	2.16	28.1	21.6	1.13	433	0.62	2.56	6.14	46.0	0.081
R863515		17.90	0.09	2.85	0.036	1.78	19.00	16.1	0.98	542	0.36	2.50	4.67	33.1	0.082
R863517		16.20	0.14	3.21	0.037	1.78	30.4	32.8	2.29	539	0.70	1.560	7.47	37.8	0.067
R863518		20.5	0.13	3.31	0.051	2.08	33.1	49.5	2.24	653	0.79	1.470	9.20	52.9	0.066
R863519		20.4	0.13	3.49	0.046	2.13	34.2	47.4	2.06	653	0.88	1.615	9.19	54.6	0.069
R863520		15.10	0.11	3.93	0.019	1.78	28.1	11.6	0.58	373	0.32	2.74	4.75	23.6	0.100
R863521		16.50	0.12	4.01	0.023	1.91	29.1	15.4	0.74	411	0.54	2.74	5.56	30.4	0.100
R863522		13.75	0.11	3.26	0.024	1.79	20.4	8.2	0.56	423	0.64	2.80	3.94	21.3	0.096
R863523		25.7	0.12	1.805	0.087	0.90	9.98	29.6	3.71	2130	0.54	2.15	4.63	83.5	0.068
R863524		20.6	0.11	2.05	0.073	0.60	14.85	28.1	5.15	2210	4.64	1.640	4.61	218	0.130
R863525		20.7	0.11	1.915	0.091	0.65	14.80	21.2	3.91	2980	2.12	2.09	7.36	145.0	0.136
R863526		15.20	0.10	2.59	0.069	0.28	12.85	31.5	5.94	3860	0.78	1.010	4.35	267	0.186

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**CERTIFICATE OF ANALYSIS VA17084771**

Sample Description	Method Analyte Units LOR	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.02	0.002	0.01	0.02	0.01	0.2	0.02	0.02	0.01	0.04	0.004	0.001	0.004	0.01	0.1
R863501		63.8	<0.002	0.11	0.32	8.05	0.2	1.06	270	0.48	0.04	7.03	0.243	0.367	1.71	63.3
R863502		75.8	0.002	0.10	0.34	10.80	0.2	1.21	296	0.52	0.07	7.79	0.274	0.410	1.94	81.9
R863503		72.1	0.002	0.09	0.31	10.65	0.2	1.22	318	0.52	0.05	7.33	0.266	0.405	1.78	74.5
R863504		60.8	<0.002	0.06	0.10	8.26	<0.2	0.87	473	0.39	0.05	6.63	0.222	0.320	1.44	46.8
R863505		43.4	<0.002	0.05	0.17	28.9	0.2	1.00	313	0.37	0.09	4.88	0.429	0.278	1.22	194.0
R863510		9.89	<0.002	0.01	0.12	43.1	<0.2	0.82	108.0	0.18	<0.04	0.907	0.531	0.051	0.41	338
R863511		73.4	0.003	0.14	0.39	9.68	0.5	1.32	277	0.53	0.06	7.34	0.264	0.410	1.93	76.2
R863512		81.9	<0.002	0.10	0.38	11.95	0.3	1.35	281	0.59	0.07	8.55	0.281	0.462	2.00	91.4
R863513		81.8	0.003	0.10	0.43	13.10	0.5	1.68	260	0.62	0.06	8.60	0.305	0.504	2.30	115.0
R863514		76.2	<0.002	0.05	0.14	10.85	<0.2	1.06	468	0.47	0.04	5.89	0.272	0.435	2.14	69.2
R863515		59.3	<0.002	0.06	0.14	9.71	<0.2	0.75	427	0.32	0.04	4.79	0.272	0.347	1.07	72.3
R863517		77.2	0.003	0.09	0.31	10.20	0.4	1.21	306	0.52	<0.04	7.57	0.284	0.437	1.85	82.2
R863518		87.3	0.002	0.07	0.40	13.45	0.3	1.63	287	0.64	0.05	9.14	0.327	0.559	2.24	109.0
R863519		92.2	<0.002	0.07	0.36	13.15	<0.2	1.63	305	0.64	0.05	9.31	0.328	0.556	2.13	109.5
R863520		56.9	<0.002	0.08	0.11	6.84	<0.2	0.82	464	0.36	0.05	7.58	0.210	0.312	1.72	41.6
R863521		65.7	<0.002	0.08	0.11	7.92	<0.2	0.93	466	0.41	0.04	8.22	0.240	0.370	1.75	53.0
R863522		56.1	<0.002	0.09	0.07	6.39	<0.2	0.63	489	0.31	<0.04	5.83	0.199	0.311	1.25	40.2
R863523		12.00	<0.002	0.07	0.11	48.9	0.2	0.85	187.0	0.28	0.06	2.64	0.728	0.139	0.85	391
R863524		17.35	0.002	0.15	0.15	37.1	<0.2	1.54	184.5	0.30	0.05	4.06	0.590	0.108	0.87	309
R863525		9.64	0.002	0.24	0.13	40.0	0.4	1.10	167.0	0.62	0.12	4.34	1.020	0.110	0.74	339
R863526		10.35	<0.002	0.05	0.11	35.9	<0.2	0.94	101.5	0.25	0.04	3.11	0.677	0.048	0.82	224

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**CERTIFICATE OF ANALYSIS VA17084771**

Sample Description	Method Analyte Units LOR	ME-MS61L W ppm 0.008	ME-MS61L Y ppm 0.01	ME-MS61L Zn ppm 0.2	ME-MS61L Zr ppm 0.1	C-IR07 C % 0.01	ME-MS41L Au ppm 0.0002	ME-MS41L Ag ppm 0.001	ME-MS41L Al % 0.01	ME-MS41L As ppm 0.01	ME-MS41L B ppm 10	ME-MS41L Ba ppm 0.5	ME-MS41L Be ppm 0.01	ME-MS41L Bi ppm 0.001	ME-MS41L Ca % 0.01	ME-MS41L Cd ppm 0.001
R863501		0.571	15.50	50.3	109.5	3.64	0.0011	0.104	2.47	7.05	20	110.0	1.04	0.316	6.15	0.195
R863502		0.650	14.20	63.3	113.5	2.43	0.0019	0.107	2.47	6.79	20	131.0	1.09	0.348	4.41	0.193
R863503		0.617	13.90	57.5	123.0	2.45	0.0016	0.113	2.59	6.06	20	136.0	1.07	0.371	4.03	0.155
R863504		0.330	12.90	36.8	139.5	0.08	0.0037	0.342	4.21	5.30	10	340	1.37	0.833	0.99	0.315
R863505		1.410	21.2	96.8	91.3	0.16	0.0041	0.184	3.80	4.75	<10	222	1.02	0.379	1.18	0.231
R863510		0.782	29.1	155.0	49.9	0.07	0.0019	0.175	4.29	0.66	10	79.7	0.53	0.042	1.26	0.149
R863511		0.677	13.55	58.8	103.0	3.51	0.0021	0.164	1.79	5.75	20	131.5	0.85	0.326	5.57	0.153
R863512		0.728	14.55	67.9	117.5	2.58	0.0014	0.103	2.62	7.26	20	183.5	1.14	0.346	3.81	0.161
R863513		0.876	14.60	81.4	110.5	2.54	0.0014	0.097	2.26	5.93	20	194.0	0.94	0.301	4.92	0.239
R863514		0.528	12.40	69.7	135.5	0.12	0.0015	0.186	3.01	3.37	10	210	1.38	0.471	0.83	0.199
R863515		0.773	12.40	59.4	102.5	0.12	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
R863517		0.634	14.30	65.5	119.0	2.28	0.0007	0.107	2.84	6.57	20	276	1.08	0.366	4.35	0.168
R863518		0.855	14.45	89.0	116.5	1.87	0.0007	0.096	3.00	7.91	20	300	1.03	0.393	3.39	0.192
R863519		0.803	15.25	90.0	121.5	1.55	0.0014	0.101	2.93	5.86	10	287	0.98	0.348	3.30	0.184
R863520		0.331	13.55	35.3	148.0	0.11	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
R863521		0.439	14.30	47.2	149.0	0.14	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
R863522		0.338	11.80	32.5	120.5	0.10	0.0022	0.259	3.28	3.96	<10	326	1.06	0.792	0.65	0.261
R863523		1.450	21.5	138.5	63.6	0.08	0.0063	0.316	5.04	2.79	<10	194.5	0.92	0.443	0.39	0.200
R863524		1.570	28.4	142.5	73.6	0.43	0.0015	0.192	6.13	2.97	<10	151.5	0.94	0.333	1.99	0.308
R863525		1.770	32.2	131.5	69.4	0.32	0.0072	0.613	4.26	4.18	<10	243	1.37	0.858	1.08	0.408
R863526		0.849	30.1	102.5	69.2	0.43	0.0007	0.090	7.37	1.61	<10	67.5	1.21	0.134	0.94	0.290

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		Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg
		ppm 0.003	ppm 0.001	ppm 0.01	ppm 0.005	ppm 0.01	% 0.001	ppm 0.004	ppm 0.005	ppm 0.002	ppm 0.004	ppm 0.005	% 0.01	ppm 0.002	ppm 0.1	% 0.01
R863501		91.2	21.3	74.4	2.61	45.8	3.84	9.82	0.120	0.966	0.031	0.046	0.64	45.2	35.0	1.84
R863502		83.5	21.7	84.2	2.82	48.1	3.85	10.50	0.126	0.947	0.017	0.045	0.67	41.1	36.1	1.74
R863503		80.0	22.4	87.8	2.89	52.5	4.05	10.60	0.125	1.020	0.027	0.045	0.70	39.8	37.5	1.74
R863504		202	42.4	193.5	5.32	175.5	6.77	18.65	0.317	3.13	0.026	0.070	1.26	98.6	47.6	2.21
R863505		85.6	41.4	166.0	2.17	272	8.03	14.45	0.222	1.160	0.015	0.039	0.61	40.1	33.1	2.05
R863510		19.15	45.4	122.5	0.730	278	8.06	13.60	0.108	0.186	0.011	0.033	0.11	7.18	21.2	2.79
R863511		57.0	14.75	59.5	2.60	65.7	2.84	6.94	0.171	1.090	0.032	0.026	0.47	28.1	26.6	1.64
R863512		72.9	22.4	84.4	2.86	46.8	3.99	10.60	0.117	1.020	0.039	0.045	0.70	36.7	37.2	1.71
R863513		73.4	19.95	79.7	2.64	38.5	3.53	9.76	0.096	0.707	0.020	0.041	0.60	37.0	33.7	1.82
R863514		124.5	30.6	182.5	2.31	95.0	5.55	14.45	0.173	1.055	0.012	0.039	0.75	55.8	31.4	1.73
R863515		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
R863517		89.1	23.5	95.5	3.29	51.5	4.39	11.55	0.150	0.881	0.023	0.045	0.78	44.6	38.6	1.91
R863518		92.7	25.2	103.5	3.53	47.5	4.63	11.85	0.151	1.025	0.028	0.044	0.82	47.1	39.8	1.89
R863519		91.7	24.7	109.0	3.84	48.8	4.56	12.30	0.159	0.925	0.026	0.048	0.84	45.0	42.1	1.94
R863520		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
R863521		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
R863522		162.0	37.3	197.5	3.71	98.2	6.14	15.30	0.241	1.550	0.035	0.043	0.93	79.2	38.3	1.84
R863523		115.5	51.3	232	2.38	221	10.15	21.2	0.346	0.966	0.024	0.165	0.46	45.9	35.2	3.07
R863524		75.4	70.3	963	1.645	152.5	11.65	21.3	0.243	0.725	0.011	0.121	0.28	33.3	41.2	5.96
R863525		114.5	48.5	411	2.50	280	9.69	17.05	0.323	1.110	0.021	0.178	0.43	48.6	28.6	2.98
R863526		49.0	90.2	1435	1.775	58.0	11.75	22.7	0.225	0.633	<0.004	0.100	0.14	20.5	58.1	8.32

Comments: \*\*\*Corrected copy with the addition of prefixes R to all sample descriptions\*\*\*

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 CENTENNIAL CO 80111  
 USA

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 Finalized Date: 22-MAY-2017  
 Account: AAMICLSR

Project: Celina

**CERTIFICATE OF ANALYSIS VA17084771**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Mn	Mo	Na	Nb	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se
		ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.01	0.001	0.002	0.04	0.001	0.005	0.001	0.002	0.005	0.001	0.01	0.005	0.005	0.1
R863501		744	0.76	1.210	0.248	59.7	0.060	14.70	<0.001	0.004	53.5	0.003	0.20	0.259	8.78	0.2
R863502		672	0.80	1.140	0.321	62.4	0.053	14.30	0.006	0.004	55.4	0.003	0.26	0.265	9.63	0.6
R863503		706	0.84	1.550	0.315	65.0	0.052	14.00	<0.001	0.004	58.0	0.004	0.30	0.272	9.77	0.5
R863504		881	0.74	3.33	0.703	130.5	0.059	25.4	<0.001	0.016	88.9	<0.001	0.62	0.184	21.9	0.2
R863505		922	1.00	2.47	0.304	89.2	0.044	14.95	<0.001	0.005	43.9	0.001	0.41	0.167	28.2	0.4
R863510		950	1.02	3.61	0.091	71.9	0.025	2.57	<0.001	<0.002	7.81	<0.001	0.68	0.049	22.5	0.4
R863511		520	1.31	3.24	0.993	44.7	0.050	14.75	<0.001	0.005	41.7	0.005	0.82	0.365	6.42	0.6
R863512		660	1.01	2.10	0.337	65.1	0.050	14.50	<0.001	0.007	57.5	0.004	0.54	0.283	9.62	0.5
R863513		685	0.79	0.562	0.174	57.7	0.052	13.15	0.003	0.005	51.1	0.004	0.08	0.238	8.85	0.3
R863514		579	0.75	1.980	0.264	100.0	0.042	22.6	<0.001	0.008	56.5	0.001	0.41	0.197	15.70	0.4
R863515		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
R863517		761	0.75	0.889	0.210	68.0	0.056	14.85	0.004	0.005	62.2	0.002	0.10	0.266	10.35	0.2
R863518		774	0.71	1.495	0.283	74.3	0.057	15.70	<0.001	0.004	65.6	0.002	0.33	0.249	10.70	0.2
R863519		779	0.67	0.893	0.257	74.9	0.055	14.95	<0.001	0.004	67.2	0.001	0.11	0.224	10.90	0.3
R863520		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
R863521		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
R863522		761	1.78	2.68	0.732	123.0	0.064	33.6	<0.001	0.007	63.0	0.001	0.56	0.124	16.85	0.3
R863523		1285	1.41	5.09	0.510	127.0	0.040	8.10	0.007	0.008	31.6	0.002	1.20	0.129	51.8	<0.1
R863524		1850	7.71	2.37	0.026	340	0.059	6.35	<0.001	0.009	16.35	0.001	0.47	0.156	49.6	0.1
R863525		1310	5.53	3.02	0.356	186.5	0.066	11.75	<0.001	0.014	29.3	0.002	0.58	0.183	54.5	0.9
R863526		2500	0.48	0.856	0.010	437	0.051	2.57	<0.001	0.004	8.23	<0.001	0.07	0.031	53.8	0.3

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**CERTIFICATE OF ANALYSIS VA17084771**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	SCR-CLAY	SCR-CLAY
		Sn	Sr	Ta	Te	Th	Ti	Ti	U	V	W	Y	Zn	Zr	WT. PROC	WT. RECO
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	g
		0.01	0.01	0.005	0.01	0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01	0.0001	0.0001
R863501		1.16	89.5	<0.005	0.06	14.20	0.100	0.304	1.895	71.6	0.077	15.40	105.0	38.1	148.0350	9.3622
R863502		1.25	80.4	<0.005	0.05	12.95	0.108	0.308	1.980	79.1	0.065	14.45	107.5	35.8	160.9510	8.5736
R863503		1.25	77.2	<0.005	0.06	12.55	0.107	0.322	1.900	79.7	0.086	13.70	113.5	38.0	155.0000	4.7438
R863504		2.17	64.9	<0.005	0.14	31.8	0.266	0.528	3.71	152.0	0.207	21.3	176.5	108.5	101.9430	0.2587
R863505		1.29	63.5	<0.005	0.13	11.90	0.170	0.254	1.995	184.5	0.730	19.30	127.0	39.8	51.8930	0.2626
R863510		0.52	58.3	<0.005	0.04	1.370	0.087	0.038	0.563	214	0.734	12.55	132.5	6.33	46.2780	3.0039
R863511		0.79	73.1	<0.005	0.09	9.14	0.102	0.284	1.820	62.8	0.153	10.45	82.3	36.0	44.4740	0.1185
R863512		1.19	78.2	<0.005	0.06	12.35	0.098	0.309	2.12	81.5	0.066	13.50	115.0	38.8	149.0510	5.7765
R863513		1.14	87.6	<0.005	0.04	11.45	0.106	0.276	1.900	74.5	0.056	13.60	103.5	27.7	114.2690	10.7886
R863514		1.57	68.5	<0.005	0.07	15.25	0.110	0.331	4.55	118.0	0.085	12.85	137.5	35.3	273.574	0.7515
R863515		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	112.0790	0.0427
R863517		1.25	83.6	<0.005	0.06	13.95	0.125	0.345	1.950	86.2	0.074	14.80	118.5	34.8	130.6660	8.2477
R863518		1.29	79.9	<0.005	0.05	14.70	0.133	0.377	2.12	91.2	0.074	14.95	122.0	38.8	60.0040	8.5892
R863519		1.32	74.9	<0.005	0.06	14.05	0.153	0.387	1.915	92.2	0.092	14.00	122.0	35.7	84.2760	10.7969
R863520		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	191.8190	0.0387
R863521		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	181.6480	0.0735
R863522		2.09	58.2	<0.005	0.12	23.4	0.292	0.366	3.57	167.0	0.802	18.10	159.5	51.5	75.8180	0.2812
R863523		1.43	40.7	<0.005	0.15	12.00	0.183	0.159	2.20	319	0.826	48.5	146.0	31.2	103.9640	0.0911
R863524		2.83	76.9	<0.005	0.16	10.25	0.127	0.102	1.335	324	0.426	38.1	234	20.3	54.3210	0.3668
R863525		2.56	68.0	0.005	0.51	15.95	0.177	0.159	1.785	346	0.527	56.4	190.0	35.5	74.3850	0.1379
R863526		2.06	51.5	<0.005	0.06	5.65	0.091	0.042	0.693	279	0.102	19.35	152.0	15.10	103.5660	0.6082

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**CERTIFICATE OF ANALYSIS VA17084771**

	CERTIFICATE COMMENTS
	<p><b>ANALYTICAL COMMENTS</b></p> <p>Applies to Method: NSS is non-sufficient sample. ALL METHODS</p> <p>Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41L</p> <p><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <p>Applies to Method: C-IR07 LOG-24 ME-MS41L ME-MS61L            SCR-CLAY WEI-21</p>