



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7-SEP-2016
Account: AAMICLSR

CERTIFICATE TB16134954

This report is for 37 Sediment samples submitted to our lab in Thunder Bay, ON, Canada on 16-AUG-2016.

The following have access to data associated with this certificate:

PHIL LARSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-44	Screen to -63um
WEI-21b	Weight - Pulp
WEI-23c	Weight of pulp after all anal.
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
C-IR07	Total Carbon (Leco)	LECO

To: ANGLOGOLD ASHANTI MINNESOTA INC.
ATTN: PHIL LARSON
6300 S. SYRACUSE WAY #500
CENTENNIAL CO 80111
USA

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 *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7-SEP-2016
Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16134954

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	WEI-21b Pulp Wt g	Au-ICP22 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm
AGAM18507		1.33	150	0.002	0.09	5.40	7.9	520	1.14	0.19	8.42	0.32	52.8	9.3	55	3.52
AGAM18508		1.33	160	0.001	0.07	5.82	4.3	480	1.01	0.17	7.62	0.16	62.6	10.9	64	2.93
AGAM18509		1.30	150	0.001	0.08	6.18	3.7	510	1.10	0.19	7.01	0.13	66.5	12.3	66	3.29
AGAM18510		1.27	145	0.004	0.10	7.78	9.2	610	1.13	0.17	0.70	0.04	73.4	26.4	140	2.71
AGAM18511		1.30	155	0.002	0.10	7.56	4.9	580	1.17	0.19	1.42	0.05	61.5	22.0	125	2.67
AGAM18512		1.31	160	0.004	0.09	6.22	3.6	510	1.11	0.18	6.40	0.14	62.8	12.2	73	3.25
AGAM18513		1.43	170	0.003	0.08	6.10	3.8	500	1.07	0.18	6.29	0.15	61.7	12.3	68	3.23
AGAM18514		1.34	170	0.011	0.06	5.27	3.0	470	0.92	0.13	8.03	0.12	54.3	8.8	55	2.27
AGAM18515		1.56	155	0.002	0.08	5.57	3.2	470	1.09	0.16	7.55	0.14	63.5	10.5	62	2.77
AGAM18516		1.21	155	0.009	0.07	5.59	4.2	510	1.13	0.16	6.91	0.18	62.7	9.9	63	2.82
AGAM18517		1.52	165	0.003	0.05	7.47	3.6	630	1.47	0.28	1.07	0.06	51.5	11.9	91	4.04
AGAM18518		1.46	160	0.003	0.07	7.09	2.0	710	1.26	0.17	1.23	0.05	49.5	10.6	85	3.45
AGAM18519		2.08	165	0.001	0.05	6.97	2.2	870	2.07	0.50	2.10	0.05	76.1	13.3	108	4.13
AGAM18520		1.35	145	0.005	0.07	6.48	2.1	530	1.12	0.14	2.95	0.10	55.1	14.8	69	1.94
AGAM18521		1.81	170	0.001	0.03	6.43	1.5	550	1.00	0.07	3.46	0.07	65.4	19.2	51	0.78
AGAM18522		1.39	155	0.004	0.05	5.53	1.3	480	0.95	0.09	3.29	0.08	49.0	8.0	47	1.00
AGAM18523		1.41	130	0.001	0.09	5.26	6.4	460	1.30	0.19	8.29	0.30	62.2	9.9	57	3.77
AGAM18524		1.13	125	0.002	0.09	5.29	5.9	470	1.23	0.18	8.35	0.26	57.8	9.5	57	3.57
AGAM18525		0.10		0.001	0.07	9.66	3.8	300	0.80	0.06	3.32	0.06	34.9	31.2	153	0.81
AGAM18526		1.39	150	0.001	0.15	6.01	4.0	540	0.99	0.21	1.02	0.18	52.6	8.9	62	3.97
AGAM18527		1.27	115	0.001	0.06	6.70	3.6	580	1.27	0.16	1.38	0.07	66.4	11.6	74	3.20
AGAM18528		1.26	145	0.005	0.03	7.98	3.3	450	1.25	0.13	1.84	0.09	49.8	14.2	75	1.72
AGAM18529		1.02	145	0.002	0.12	7.63	6.9	480	1.14	0.25	0.80	0.19	55.9	10.3	78	3.98
AGAM18530		1.34	135	0.003	0.06	9.42	8.1	440	1.73	0.27	1.17	0.13	136.5	21.5	118	5.26
AGAM18531		1.36	155	0.001	0.08	5.28	3.9	470	1.10	0.17	7.45	0.21	60.1	9.4	58	2.84
AGAM18532		1.45	150	0.003	0.05	5.03	3.0	460	0.90	0.11	5.70	0.14	46.3	6.9	44	1.52
AGAM18533		1.23	115	0.001	0.08	5.34	4.9	480	1.05	0.16	6.74	0.24	59.4	8.9	55	2.71
AGAM18534		1.61	145	0.003	0.04	6.84	1.4	260	0.81	0.05	2.90	0.06	46.2	44.2	78	0.41
AGAM18535		1.81	160	0.002	0.06	7.12	1.9	360	0.88	0.11	3.81	0.09	49.8	23.7	105	1.34
AGAM18536		1.52	170	0.007	0.04	6.50	1.2	370	0.92	0.08	3.12	0.06	47.4	19.9	127	0.95
AGAM18537		1.43	150	0.001	0.05	5.63	2.8	480	0.99	0.12	6.43	0.10	55.8	9.4	60	1.93
AGAM18538		1.67	160	<0.001	0.03	6.77	2.2	630	1.22	0.20	1.37	0.06	47.1	15.2	89	3.48
AGAM18539		1.98	165	<0.001	0.02	7.44	1.5	710	1.38	0.21	1.40	0.05	60.7	12.4	74	3.23
AGAM18540		1.45	105	0.006	0.37	6.72	4.8	550	1.30	0.22	1.67	0.39	64.0	14.9	73	4.43
AGAM18541		1.79	155	0.002	0.03	7.17	9.0	690	1.18	0.18	0.99	0.04	77.5	16.8	110	2.69
AGAM18542		1.83	160	0.003	0.07	7.26	11.3	490	1.00	0.17	0.70	0.05	61.9	11.5	68	2.63
AGAM18543		1.04	100	0.001	0.26	6.84	6.9	460	1.20	0.27	0.52	0.13	46.9	7.8	62	3.97



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7-SEP-2016
Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16134954

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
AGAM18507		22.4	2.45	13.20	0.14	3.3	0.039	1.61	26.9	26.9	3.09	450	1.95	0.87	8.9	29.6
AGAM18508		28.8	2.68	14.55	0.08	3.2	0.037	1.69	32.5	27.4	2.69	526	1.00	1.34	7.6	34.9
AGAM18509		29.9	2.96	15.65	0.07	3.3	0.039	1.77	34.1	31.1	2.54	545	0.75	1.35	7.8	38.8
AGAM18510		57.8	4.31	20.3	0.08	3.0	0.046	1.85	36.1	33.8	2.01	556	0.90	2.26	6.0	83.5
AGAM18511		52.1	4.33	19.85	0.07	3.1	0.042	1.90	29.8	33.3	1.92	590	0.85	2.34	6.5	65.6
AGAM18512		27.5	2.96	15.70	0.08	3.2	0.039	1.72	32.6	30.0	2.35	544	0.86	1.39	7.9	38.4
AGAM18513		29.3	2.93	15.35	0.08	3.1	0.035	1.71	31.6	29.9	2.34	580	0.78	1.35	7.7	37.8
AGAM18514		20.3	2.33	12.60	0.08	3.4	0.029	1.58	27.6	22.4	2.80	466	0.55	1.33	6.6	26.8
AGAM18515		21.8	2.57	13.35	0.08	3.1	0.033	1.62	32.5	28.5	2.62	496	0.70	1.31	7.0	32.1
AGAM18516		20.7	2.49	13.20	0.07	3.2	0.032	1.59	31.5	27.3	2.50	502	0.80	1.23	7.8	30.2
AGAM18517		22.6	3.19	17.25	0.07	4.2	0.044	1.62	26.3	34.2	0.88	314	0.96	1.67	8.5	40.0
AGAM18518		9.9	2.78	15.90	0.07	4.0	0.035	1.98	25.3	26.7	0.92	343	0.44	1.99	9.8	32.8
AGAM18519		21.4	2.97	17.00	0.09	3.4	0.031	2.17	26.9	33.5	1.49	531	0.27	2.83	6.6	45.5
AGAM18520		27.3	3.33	16.15	0.07	3.1	0.039	1.57	26.4	18.9	1.27	599	0.62	2.01	6.4	34.8
AGAM18521		11.2	4.15	16.85	0.07	2.5	0.039	1.47	29.9	10.9	1.65	725	1.77	2.60	6.2	22.2
AGAM18522		12.0	2.21	12.30	0.08	3.6	0.026	1.43	23.9	9.3	1.10	446	0.32	2.04	5.3	19.8
AGAM18523		20.3	2.40	13.70	0.07	3.0	0.045	1.57	32.3	36.8	2.99	517	1.53	0.77	9.2	31.9
AGAM18524		19.4	2.41	12.70	0.08	2.7	0.040	1.57	29.5	34.3	3.01	558	1.46	0.76	8.4	29.0
AGAM18525		32.9	4.87	19.60	0.05	2.0	0.030	0.64	7.5	11.9	1.45	461	0.56	1.87	5.7	104.0
AGAM18526		15.7	2.53	16.20	0.07	3.8	0.041	1.53	26.4	30.0	0.56	364	0.96	1.23	12.5	19.1
AGAM18527		13.1	2.86	15.50	0.07	4.7	0.036	1.83	28.5	27.2	0.74	422	0.59	1.67	11.2	30.4
AGAM18528		74.2	3.63	15.90	0.07	3.3	0.042	1.35	23.6	17.1	0.93	509	0.95	1.92	5.5	36.8
AGAM18529		43.5	3.84	18.15	0.06	3.9	0.051	1.23	25.7	33.3	0.65	519	2.11	0.95	11.6	29.2
AGAM18530		102.5	5.12	21.1	0.09	3.8	0.062	1.07	38.0	49.1	1.29	470	2.13	1.44	10.4	64.4
AGAM18531		19.6	2.39	12.55	0.08	3.0	0.040	1.53	30.3	27.4	2.76	493	1.30	1.09	8.0	29.6
AGAM18532		10.7	1.92	11.30	0.08	3.6	0.029	1.40	23.2	13.8	2.08	468	0.67	1.56	6.7	19.8
AGAM18533		17.9	2.38	12.70	0.08	3.4	0.032	1.56	30.1	25.5	2.42	583	1.19	1.19	8.0	28.1
AGAM18534		53.8	5.47	17.25	0.07	3.5	0.053	0.96	21.4	12.2	1.77	751	2.57	2.70	8.2	44.6
AGAM18535		60.9	5.01	16.65	0.06	3.3	0.046	1.22	24.6	17.4	2.14	801	1.44	1.98	7.2	56.6
AGAM18536		45.5	4.29	15.20	0.06	3.3	0.041	1.24	23.3	15.2	2.00	647	1.29	2.16	8.9	59.0
AGAM18537		17.5	2.47	12.85	0.07	3.7	0.030	1.58	28.0	20.1	2.26	482	1.11	1.58	6.7	28.4
AGAM18538		30.4	3.32	16.30	0.06	3.2	0.036	1.60	20.7	27.6	1.16	408	0.70	1.94	5.8	43.4
AGAM18539		37.5	2.75	16.60	0.09	4.4	0.036	2.01	28.5	21.5	0.96	335	1.02	2.51	5.5	36.6
AGAM18540		357	3.49	14.45	0.09	2.8	0.054	0.99	40.2	30.7	0.63	1640	0.86	0.75	10.7	45.7
AGAM18541		49.2	3.11	16.15	0.07	3.3	0.033	1.88	29.3	16.7	1.09	406	0.57	2.63	4.6	52.5
AGAM18542		36.6	2.83	16.35	0.07	2.7	0.030	1.57	26.8	24.9	0.81	301	0.45	2.18	4.5	42.2
AGAM18543		29.6	3.45	18.15	0.06	2.9	0.047	1.12	24.9	38.7	0.44	377	1.47	0.83	12.1	20.9



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7-SEP-2016
Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16134954

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
AGAM18507		580	13.2	69.7	0.007	0.07	0.63	8.1	2	1.2	213	0.59	<0.05	7.46	0.257	0.51
AGAM18508		600	12.2	71.7	0.002	0.13	0.39	8.7	1	1.1	266	0.61	<0.05	8.88	0.261	0.45
AGAM18509		600	12.9	78.9	<0.002	0.09	0.35	9.4	1	1.2	267	0.65	0.05	9.47	0.271	0.45
AGAM18510		1200	9.0	69.9	<0.002	0.04	0.50	16.1	1	1.0	199.5	0.47	<0.05	6.40	0.404	0.34
AGAM18511		1000	10.5	63.6	<0.002	0.05	0.29	15.1	1	1.0	251	0.55	<0.05	6.33	0.377	0.37
AGAM18512		600	12.5	76.9	<0.002	0.11	0.35	9.7	1	1.2	270	0.65	<0.05	8.78	0.276	0.44
AGAM18513		590	12.4	76.2	0.003	0.12	0.35	9.4	1	1.2	262	0.62	<0.05	8.65	0.270	0.44
AGAM18514		570	10.9	61.1	<0.002	0.09	0.30	7.4	1	0.9	264	0.53	<0.05	7.53	0.238	0.37
AGAM18515		560	11.7	69.1	<0.002	0.09	0.34	8.6	1	1.0	260	0.55	0.05	9.06	0.252	0.38
AGAM18516		590	11.7	66.8	0.002	0.16	0.44	8.7	1	1.1	254	0.61	0.05	8.46	0.273	0.43
AGAM18517		750	15.4	73.0	<0.002	0.02	0.25	8.8	1	1.3	316	0.75	<0.05	8.83	0.335	0.43
AGAM18518		320	12.5	83.9	<0.002	0.01	0.25	9.2	1	1.2	337	0.79	<0.05	6.27	0.429	0.46
AGAM18519		1020	18.4	81.8	<0.002	<0.01	0.19	9.9	1	1.0	609	0.73	<0.05	8.02	0.294	0.44
AGAM18520		840	10.7	56.9	<0.002	0.05	0.20	10.4	1	0.9	383	0.51	<0.05	6.10	0.323	0.36
AGAM18521		1020	9.1	44.3	<0.002	0.04	0.14	11.9	1	1.0	542	0.48	<0.05	6.44	0.391	0.25
AGAM18522		680	9.9	47.0	<0.002	0.06	0.16	7.9	<1	0.8	346	0.45	<0.05	6.21	0.258	0.28
AGAM18523		550	12.3	76.1	0.004	0.24	0.60	8.6	1	1.3	200	0.67	0.06	8.91	0.248	0.52
AGAM18524		550	11.7	73.1	0.005	0.27	0.55	8.1	1	1.2	199.0	0.62	0.06	8.55	0.247	0.49
AGAM18525		370	5.0	8.7	<0.002	0.02	0.21	7.7	1	0.6	324	0.41	<0.05	2.52	0.522	0.13
AGAM18526		860	19.9	94.4	<0.002	0.03	0.43	7.8	1	1.6	204	0.90	0.05	7.78	0.417	0.50
AGAM18527		730	14.2	91.1	<0.002	0.01	0.31	9.5	1	1.2	284	0.76	<0.05	8.51	0.405	0.47
AGAM18528		1180	12.2	49.1	<0.002	0.02	0.22	12.7	1	0.8	334	0.42	0.05	7.37	0.333	0.30
AGAM18529		1250	18.7	63.3	<0.002	0.03	0.54	9.2	2	1.6	165.0	0.84	0.08	9.83	0.412	0.47
AGAM18530		1340	19.9	43.8	<0.002	0.02	0.39	12.8	2	1.5	247	0.71	0.05	10.75	0.418	0.49
AGAM18531		570	11.6	67.8	0.005	0.29	0.47	8.2	1	1.0	226	0.61	0.05	8.27	0.249	0.48
AGAM18532		600	10.0	50.7	<0.002	0.14	0.32	7.1	1	0.8	292	0.57	<0.05	5.93	0.232	0.32
AGAM18533		620	11.9	66.2	0.004	0.20	0.49	7.9	1	1.1	247	0.61	<0.05	7.99	0.253	0.45
AGAM18534		610	3.2	23.5	<0.002	0.05	0.14	18.4	1	1.4	172.0	0.67	<0.05	3.55	0.395	0.12
AGAM18535		550	7.0	47.1	<0.002	0.07	0.21	18.2	1	1.2	221	0.60	<0.05	5.02	0.390	0.24
AGAM18536		650	6.4	38.1	<0.002	0.05	0.19	15.3	1	1.2	236	0.61	<0.05	4.92	0.342	0.22
AGAM18537		600	10.7	60.3	<0.002	0.08	0.28	8.0	1	0.9	288	0.54	<0.05	7.46	0.252	0.35
AGAM18538		1580	17.6	67.3	<0.002	0.01	0.15	10.1	1	0.9	347	0.50	<0.05	5.49	0.275	0.36
AGAM18539		800	17.4	75.1	<0.002	0.01	0.13	9.1	1	0.9	413	0.47	<0.05	7.92	0.260	0.43
AGAM18540		1220	15.1	59.5	<0.002	0.06	0.48	14.2	2	1.4	119.0	0.77	0.05	9.31	0.347	0.41
AGAM18541		1050	14.2	69.6	<0.002	<0.01	0.21	10.5	1	0.8	386	0.36	0.05	9.14	0.255	0.41
AGAM18542		720	10.1	65.6	<0.002	<0.01	0.36	9.6	1	0.7	281	0.32	0.05	5.78	0.239	0.36
AGAM18543		2790	18.1	56.1	<0.002	0.03	0.46	7.0	1	1.6	125.5	0.86	0.05	8.21	0.383	0.34



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
 www.alsglobal.com

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

Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 7-SEP-2016
 Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16134954

Sample Description	Method Analyte Units LOR	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	C-IR07 C % 0.01	WEI-23c Split Wt g 0.1
AGAM18507		2.5	99	0.9	14.5	69	115.5	3.94	96.1
AGAM18508		2.1	75	0.7	14.4	61	127.0	3.21	109.0
AGAM18509		2.2	79	0.8	14.4	66	122.0	2.93	103.0
AGAM18510		1.8	119	1.6	16.3	80	114.0	0.08	96.8
AGAM18511		1.9	107	1.1	14.8	77	120.0	0.22	102.5
AGAM18512		2.1	83	0.7	15.4	66	121.0	2.65	111.0
AGAM18513		2.2	81	0.7	13.9	67	114.5	2.70	70.2
AGAM18514		1.9	62	0.8	12.8	49	128.5	3.50	118.0
AGAM18515		2.0	69	0.8	13.3	56	111.0	3.21	106.0
AGAM18516		2.1	77	1.5	14.5	59	121.0	3.17	102.0
AGAM18517		2.0	88	0.6	9.2	59	155.0	1.32	117.0
AGAM18518		1.6	78	0.7	9.4	60	141.5	0.47	111.0
AGAM18519		1.7	78	0.3	10.6	61	121.0	0.15	114.5
AGAM18520		1.2	80	2.9	14.2	69	113.5	0.61	97.0
AGAM18521		1.3	106	11.3	14.4	72	88.5	0.55	119.0
AGAM18522		1.1	54	1.0	12.3	32	134.0	0.83	103.5
AGAM18523		2.8	97	0.9	15.1	65	109.0	4.22	79.7
AGAM18524		2.6	97	0.8	14.1	66	109.0	4.19	73.6
AGAM18525		0.7	110	0.3	6.8	52	73.8	1.48	
AGAM18526		2.2	79	1.1	10.7	90	137.5	3.94	99.7
AGAM18527		1.9	84	0.7	12.7	70	181.0	0.64	64.1
AGAM18528		1.7	93	0.5	14.6	62	122.0	2.02	95.9
AGAM18529		2.4	114	1.0	10.4	89	143.0	2.58	97.3
AGAM18530		2.4	142	1.0	12.5	106	139.0	1.70	84.1
AGAM18531		2.2	79	0.7	13.8	58	113.0	3.61	104.5
AGAM18532		1.7	60	0.8	12.8	38	137.5	2.35	100.5
AGAM18533		2.4	81	0.9	14.7	56	128.0	3.00	61.1
AGAM18534		0.7	120	12.9	23.8	55	116.5	0.18	93.4
AGAM18535		1.1	124	5.8	18.9	64	107.5	0.75	109.5
AGAM18536		0.9	94	3.4	17.4	49	116.0	0.58	115.5
AGAM18537		1.7	62	2.6	13.4	45	135.5	2.58	97.4
AGAM18538		1.4	84	0.5	10.6	60	118.5	0.93	110.0
AGAM18539		1.7	73	0.5	11.9	43	163.0	0.42	116.5
AGAM18540		2.9	88	1.1	25.0	217	96.8	8.03	4.7
AGAM18541		1.4	78	0.5	10.5	54	121.5	0.21	106.5
AGAM18542		1.0	74	0.6	6.8	65	98.4	0.36	60.1
AGAM18543		2.2	93	1.1	9.1	199	103.0	3.69	50.6



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
 www.alsglobal.com

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

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 7-SEP-2016
 Account: AAMICLSR

CERTIFICATE OF ANALYSIS TB16134954

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 1160 Commerce Street, Thunder Bay, ON, Canada.		
	LOG-22	LOG-24	SCR-44
	WEI-21b		WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-ICP22	C-IR07	ME-MS61
			WEI-23c