



Australian Laboratory Services Pty. Ltd.
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CERTIFICATE AD11126953

Project:
 P.O. No.:
 This report is for 46 Rock samples submitted to our lab in Adelaide, SA, Australia on 7-JUL-2011.
 The following have access to data associated with this certificate:

RUSSELL FULTON	ROBERT REID	
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-21	Crush entire sample >70% -6 mm
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
PUL-22	Pulverizing 3kg sample in LM5
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	51 anal. aqua regia ICPMS	
ME-XRF05	Trace Level XRF Analysis	XRF

To: **MINEMAKERS LIMITED**
ATTN: RUSSELL FULTON
PO BOX 1704
WEST PERTH WA 6872

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: 
 Shaun Kenny, Brisbane Laboratory Manager



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 Plus Appendix Pages
 Finalized Date: 15-AUG-2011
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CERTIFICATE OF ANALYSIS AD11126953

Sample Description	Method Analyte Units LOR	WEI-21	PUL-QC	ME-MS41												
		Recvd Wt. kg	Pass75um %	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
520932		1.37		0.59	0.24	126.5	<0.2	<10	30	0.12	10.15	0.02	<0.01	28.2	3.1	3
520933		1.50		0.29	0.15	75.3	<0.2	10	30	0.09	9.53	0.11	<0.01	16.05	0.9	3
520934		1.04		0.75	0.74	50.7	<0.2	10	60	0.40	23.9	0.02	<0.01	23.0	0.5	7
520935		1.54		0.20	0.11	80.1	<0.2	40	30	0.10	5.69	0.01	<0.01	12.55	1.6	7
520936		0.60	99.0	0.08	0.80	19.8	<0.2	10	40	0.41	1.29	0.02	0.01	43.2	1.0	8
520937		1.06		0.05	0.50	92.9	<0.2	10	50	0.25	6.15	0.01	<0.01	31.8	0.7	6
520938		0.65		0.85	0.31	125.0	<0.2	10	30	0.19	4.01	0.01	<0.01	23.5	0.6	5
520939		1.02		0.10	0.24	60.5	<0.2	<10	30	0.22	0.73	0.01	<0.01	26.9	0.3	3
520940		1.30		0.39	0.17	74.7	<0.2	<10	10	0.14	0.68	0.01	<0.01	23.0	1.5	6
520945		0.63		0.27	0.35	51.2	<0.2	<10	30	0.36	0.34	0.01	<0.01	35.7	0.4	5
520946		1.07		0.12	0.24	72.2	<0.2	<10	30	0.16	4.52	0.01	<0.01	11.50	0.7	4
520947		0.93		0.22	0.22	62.7	<0.2	<10	30	0.15	1.56	<0.01	<0.01	28.3	0.5	4
520948		1.16		0.09	0.33	76.9	<0.2	<10	20	0.29	0.56	<0.01	<0.01	40.2	0.3	4
520949		1.16		0.07	0.19	205	<0.2	10	10	0.13	1.53	<0.01	0.01	20.8	0.3	4
520950		0.71		0.02	2.42	7.6	<0.2	<10	130	0.18	0.13	0.51	0.02	4.55	31.9	336
520951		0.88		0.01	4.80	3.9	<0.2	<10	120	0.43	0.10	0.48	0.18	15.05	58.8	276
520952		0.91		0.04	3.17	24.7	<0.2	<10	130	0.92	1.46	0.06	0.09	65.8	69.3	327
520953		0.60		0.01	0.24	3.1	<0.2	<10	10	0.17	0.09	0.03	0.02	6.11	4.0	27
520954		1.72		0.01	0.12	3.6	<0.2	<10	10	0.05	0.08	0.01	<0.01	10.20	0.7	6
520955		0.92		0.01	0.30	6.9	<0.2	<10	20	0.30	0.12	0.04	0.01	20.9	0.9	6
520956		1.35		0.03	0.16	5.0	<0.2	<10	10	<0.05	0.07	0.01	<0.01	6.10	2.2	13
520957		1.40		0.01	0.43	3.2	<0.2	<10	20	0.14	0.07	0.02	<0.01	23.3	0.9	7
520958		0.99		0.01	3.45	1.5	<0.2	<10	70	0.30	0.07	0.14	0.02	7.66	35.3	128
520959		1.18		0.70	0.19	583	<0.2	<10	30	0.36	23.5	<0.01	<0.01	1.71	0.3	3
520960		1.63		2.32	0.09	1220	<0.2	<10	40	0.88	83.2	<0.01	<0.01	1.74	0.2	5
520961		1.73		0.56	0.33	831	<0.2	<10	30	0.35	29.5	<0.01	<0.01	5.35	0.7	5
520962		3.19		1.31	0.35	1420	<0.2	10	40	0.35	62.2	<0.01	<0.01	5.18	0.1	1
520963		1.45		0.17	0.34	290	<0.2	10	40	0.58	6.21	0.01	<0.01	3.06	<0.1	1
520964		0.62		0.05	0.32	85.6	<0.2	10	30	0.16	3.14	<0.01	<0.01	19.60	0.4	4
520965		1.09		1.92	0.21	88.7	<0.2	<10	30	0.12	1.51	<0.01	<0.01	34.8	0.3	3
520966		1.18		3.58	0.19	222	<0.2	<10	50	0.19	8.98	0.01	<0.01	34.7	0.3	4
520967		1.50		1.70	0.17	153.5	<0.2	<10	60	0.19	13.95	<0.01	<0.01	42.0	0.2	3
520968		0.84		0.32	0.27	108.0	<0.2	<10	40	0.15	2.45	<0.01	0.04	42.0	1.7	6
520969		0.87		0.37	0.25	49.4	<0.2	<10	20	0.11	0.30	<0.01	<0.01	45.5	0.3	4
520970		0.45		0.92	0.45	171.0	<0.2	10	60	0.32	2.25	0.01	<0.01	40.3	0.4	5
520971		1.83		0.37	0.16	62.3	<0.2	<10	20	0.08	11.20	<0.01	<0.01	14.85	0.4	4
520972		1.25		0.23	0.41	114.5	<0.2	10	20	0.65	4.14	0.01	<0.01	14.65	0.1	1
520973		1.03		0.37	0.23	81.1	<0.2	10	20	0.29	1.10	<0.01	<0.01	15.90	0.8	4
520974		1.00		0.08	0.26	63.1	<0.2	10	40	0.32	1.30	<0.01	<0.01	22.7	0.8	4
520975		1.79		0.10	0.16	136.5	<0.2	<10	40	0.10	0.57	0.01	<0.01	23.3	1.3	3

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Sample Description	Method Analyte Units LOR	ME-MS41														
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
520932		0.48	10.0	1.86	1.39	<0.05	0.18	<0.01	0.054	0.19	14.2	0.7	0.03	49	0.61	0.02
520933		0.23	5.9	1.34	0.89	<0.05	0.16	<0.01	0.080	0.09	8.0	0.6	0.04	76	0.45	0.01
520934		0.71	5.8	1.20	3.63	<0.05	0.52	0.01	0.091	0.43	11.9	1.6	0.05	58	1.95	0.01
520935		0.18	9.7	3.02	0.79	<0.05	0.38	<0.01	0.066	0.05	6.2	0.6	0.02	159	0.67	0.01
520936		1.40	8.8	2.00	3.38	0.06	0.30	<0.01	0.156	0.26	20.9	5.0	0.14	230	0.34	0.01
520937		0.69	6.7	1.07	2.37	0.05	0.21	0.01	0.062	0.24	15.8	4.4	0.04	104	2.12	0.01
520938		0.42	11.9	2.05	1.76	<0.05	0.21	<0.01	0.099	0.17	11.6	1.6	0.02	88	0.42	0.01
520939		0.47	7.0	0.85	1.53	<0.05	0.11	0.01	0.404	0.13	13.4	4.3	0.02	45	0.29	0.01
520940		0.29	8.8	1.76	1.20	<0.05	0.16	0.01	0.210	0.08	11.5	0.8	0.01	117	2.65	0.01
520945		0.80	21.8	1.32	1.93	<0.05	0.14	<0.01	1.035	0.19	17.8	0.9	0.02	65	0.34	0.01
520946		0.39	5.2	1.39	1.08	<0.05	0.19	<0.01	0.091	0.15	5.7	1.2	0.02	71	0.40	0.01
520947		0.39	44.3	1.52	1.86	<0.05	0.11	<0.01	1.030	0.12	14.1	0.7	0.02	62	1.86	0.01
520948		0.89	7.0	1.00	1.69	<0.05	0.21	<0.01	0.212	0.17	19.9	1.5	0.02	35	0.35	<0.01
520949		0.46	27.8	1.91	2.06	<0.05	0.13	0.01	1.255	0.09	10.4	0.7	0.01	59	0.47	0.01
520950		6.80	65.2	4.09	5.75	0.10	0.18	<0.01	0.078	0.07	2.1	21.7	3.77	558	0.31	0.11
520951		3.38	120.5	8.06	17.05	0.29	1.40	0.01	0.084	0.06	7.1	27.4	2.06	1290	0.11	0.09
520952		9.37	64.0	5.78	10.15	0.08	0.14	0.03	0.090	0.26	8.7	22.9	0.57	23400	0.71	0.01
520953		0.67	11.7	1.70	1.05	<0.05	0.06	<0.01	0.008	0.04	2.1	1.7	0.11	803	4.66	0.01
520954		0.33	4.5	0.97	0.66	<0.05	0.07	0.01	<0.005	0.05	4.4	0.6	0.02	97	0.59	0.01
520955		1.23	9.2	1.28	0.98	<0.05	0.12	0.01	0.018	0.15	8.2	0.9	0.02	154	0.57	<0.01
520956		0.90	10.1	1.46	0.89	<0.05	0.02	0.03	0.005	0.03	1.7	1.2	0.04	170	3.28	<0.01
520957		0.32	8.0	1.76	1.60	0.05	0.09	0.01	0.009	0.05	10.2	9.3	0.11	88	0.38	<0.01
520958		2.87	97.8	5.34	7.97	0.11	0.34	0.01	0.020	0.05	3.8	25.5	3.17	654	0.08	0.06
520959		0.32	23.5	2.64	1.32	<0.05	1.02	0.01	0.398	0.09	0.9	2.4	0.02	43	1.24	0.01
520960		0.13	28.8	3.14	1.03	0.05	1.16	0.04	0.896	0.04	1.0	0.5	<0.01	63	0.28	0.01
520961		0.37	63.6	4.34	4.57	0.05	1.36	0.03	1.070	0.16	2.7	1.4	0.06	40	0.21	0.02
520962		0.83	16.6	2.01	2.51	<0.05	1.70	<0.01	0.247	0.23	2.7	1.2	0.02	21	0.22	0.01
520963		0.87	7.7	1.33	1.88	<0.05	1.18	0.01	0.281	0.21	1.5	1.2	0.02	26	<0.05	<0.01
520964		0.49	13.2	1.42	2.15	<0.05	0.34	0.01	0.247	0.16	9.4	1.2	0.02	45	0.24	<0.01
520965		0.48	39.9	1.21	2.41	<0.05	0.10	<0.01	0.307	0.12	17.0	0.6	0.02	38	1.29	<0.01
520966		0.42	8.6	1.79	1.57	<0.05	0.12	0.01	0.247	0.17	17.2	0.4	0.01	65	0.26	0.03
520967		0.70	7.1	1.60	1.18	0.05	0.16	0.01	0.265	0.21	20.8	0.4	0.01	61	0.25	0.02
520968		0.43	7.1	2.38	1.26	0.05	0.30	0.02	0.057	0.17	19.9	0.6	0.02	90	3.06	0.01
520969		0.53	14.9	1.37	2.67	0.05	0.18	0.01	0.115	0.15	22.0	1.1	0.02	49	0.16	<0.01
520970		0.80	12.3	1.58	1.94	<0.05	0.24	<0.01	0.151	0.24	19.6	2.2	0.03	63	0.28	0.01
520971		0.28	5.1	0.96	0.86	<0.05	0.21	0.01	0.125	0.11	7.3	0.7	0.01	68	1.74	<0.01
520972		0.82	7.2	1.17	3.02	<0.05	0.77	<0.01	0.267	0.33	4.6	2.3	0.01	51	0.10	0.01
520973		0.42	6.5	2.46	1.81	<0.05	0.51	<0.01	0.106	0.13	7.6	2.2	0.02	76	0.39	<0.01
520974		0.65	5.0	1.42	1.09	<0.05	0.27	<0.01	0.292	0.16	10.9	1.4	0.02	68	1.97	<0.01
520975		0.31	1.3	1.56	1.03	<0.05	0.18	<0.01	0.023	0.12	11.6	1.0	0.01	65	0.29	0.01



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Sample Description	Method Analyte Units LOR	ME-MS41														
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm						
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
520932		0.05	2.5	30	15.9	12.1	<0.001	0.66	9.50	0.5	0.8	10.1	6.0	<0.01	0.05	2.5
520933		0.06	1.6	40	5.3	6.1	<0.001	0.44	5.93	0.4	0.4	29.7	4.1	<0.01	0.06	1.6
520934		0.17	1.8	50	18.2	28.6	0.001	0.17	9.75	1.3	0.7	21.3	6.5	<0.01	0.04	2.8
520935		0.08	3.9	40	9.5	3.5	<0.001	1.19	4.21	0.3	0.4	13.1	7.5	<0.01	0.04	1.9
520936		0.10	3.4	100	6.5	20.6	<0.001	0.07	1.89	1.3	0.2	2.7	3.7	<0.01	0.01	3.5
520937		0.22	2.3	60	3.3	18.1	<0.001	0.02	2.53	0.8	<0.2	15.4	7.9	<0.01	0.03	1.9
520938		0.06	1.8	40	7.2	11.9	<0.001	0.25	2.09	0.6	<0.2	15.9	3.5	<0.01	0.04	2.0
520939		0.06	0.7	40	6.4	11.6	<0.001	0.01	7.21	0.4	<0.2	14.5	2.8	<0.01	0.03	1.6
520940		0.34	3.7	40	9.6	6.0	<0.001	0.59	3.20	0.4	<0.2	28.6	1.9	<0.01	0.04	1.9
520945		0.06	1.0	80	97.4	14.8	<0.001	0.01	8.66	0.7	0.2	11.9	6.0	<0.01	0.03	3.0
520946		0.08	1.9	40	8.8	9.9	<0.001	0.37	4.96	0.5	0.2	19.9	4.0	<0.01	0.03	1.4
520947		0.24	1.7	40	14.2	9.9	<0.001	0.06	8.64	0.4	0.3	16.4	4.5	<0.01	0.05	2.3
520948		0.05	0.6	40	14.1	14.1	<0.001	0.01	4.77	0.6	0.2	21.1	3.3	<0.01	0.04	3.3
520949		0.08	0.9	30	8.2	6.5	<0.001	0.02	26.8	0.4	0.3	15.0	2.3	<0.01	0.06	2.0
520950		<0.05	135.0	110	1.4	3.3	<0.001	0.03	0.65	10.6	<0.2	1.4	11.1	<0.01	0.02	0.8
520951		0.27	138.5	310	4.1	5.5	<0.001	0.01	0.15	34.4	0.7	1.2	15.9	<0.01	0.09	2.7
520952		0.29	123.0	230	30.2	29.5	<0.001	0.28	1.20	16.8	0.6	7.7	12.0	<0.01	0.11	6.5
520953		0.50	13.3	50	3.0	3.0	0.001	0.01	0.34	1.4	<0.2	0.7	3.0	<0.01	0.02	0.7
520954		0.10	2.0	30	2.2	3.7	<0.001	0.01	0.38	0.4	<0.2	0.2	2.5	<0.01	0.02	1.3
520955		0.21	2.1	290	9.4	10.5	<0.001	0.02	1.05	0.9	0.4	0.6	5.6	<0.01	0.02	2.6
520956		0.43	6.4	20	5.3	2.8	0.001	0.11	0.24	1.0	0.3	0.3	1.2	<0.01	0.03	0.5
520957		0.05	3.9	270	6.9	4.2	<0.001	0.01	0.26	1.4	0.2	0.2	4.6	<0.01	0.02	2.1
520958		0.19	81.9	150	4.1	2.5	<0.001	0.01	0.08	18.7	0.3	0.3	5.4	<0.01	0.01	1.6
520959		2.24	1.1	40	270	11.6	<0.001	0.94	87.9	0.4	1.1	162.5	4.1	0.01	0.02	1.3
520960		2.05	0.8	60	640	3.3	<0.001	0.56	512	0.4	2.3	322	3.4	0.02	0.08	1.6
520961		3.06	1.8	100	338	18.0	<0.001	0.33	453	0.5	2.4	113.0	12.7	0.02	0.07	2.8
520962		1.55	<0.2	60	64.9	26.5	<0.001	1.12	54.6	0.2	1.5	82.8	15.4	0.01	0.10	2.4
520963		1.42	<0.2	50	26.8	32.5	<0.001	0.38	9.72	0.3	0.3	60.9	12.3	0.01	0.02	2.2
520964		0.37	1.0	50	8.2	13.3	<0.001	0.04	7.21	0.6	0.3	22.2	3.8	<0.01	0.03	2.1
520965		0.22	1.1	50	34.6	10.9	<0.001	0.02	46.7	0.4	0.2	10.5	7.0	<0.01	0.02	2.5
520966		0.10	1.2	80	72.4	9.3	<0.001	0.36	21.6	0.4	0.4	13.7	9.9	<0.01	0.02	3.0
520967		0.07	0.8	80	40.5	13.4	<0.001	0.42	14.85	0.4	0.6	9.1	9.8	<0.01	0.02	3.3
520968		0.32	5.1	40	11.5	11.2	<0.001	1.63	4.85	0.5	0.2	11.5	4.8	<0.01	0.02	3.4
520969		0.06	0.9	60	26.0	12.0	<0.001	0.01	4.35	0.5	0.2	13.1	3.5	<0.01	0.01	2.6
520970		0.08	1.3	110	238	21.5	<0.001	0.03	8.13	0.8	0.2	10.8	7.8	<0.01	0.02	2.2
520971		0.23	1.7	30	19.9	7.5	<0.001	0.06	19.60	0.4	0.4	25.0	2.1	<0.01	0.02	1.3
520972		0.74	<0.2	30	42.4	64.4	<0.001	0.57	26.0	0.7	0.6	24.6	3.4	0.02	<0.01	4.2
520973		0.19	2.9	30	15.5	13.0	<0.001	1.42	12.00	0.5	0.3	10.0	5.8	<0.01	0.02	2.7
520974		0.23	2.6	60	6.9	14.0	<0.001	0.39	4.17	0.6	0.2	15.9	5.1	<0.01	0.02	2.6
520975		0.05	2.4	30	6.7	8.1	<0.001	0.86	2.00	0.4	<0.2	9.9	2.9	<0.01	0.02	1.8



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-XRF05	ME-XRF05							
		Ti	Ti	U	V	W	Y	Zn	Zr	Sn	W
		%	ppm	ppm							
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	5	10
520932		<0.005	0.07	0.22	3	0.15	2.01	5	6.7	33	10
520933		<0.005	0.03	0.19	2	0.17	1.64	<2	5.8	94	10
520934		0.005	0.15	0.45	8	0.39	4.09	<2	20.6	48	20
520935		<0.005	0.02	0.32	2	0.20	2.53	2	13.9	168	10
520936		0.005	0.09	0.33	10	0.10	3.60	11	11.1	19	10
520937		<0.005	0.08	0.23	6	0.13	3.55	4	8.4	57	<10
520938		<0.005	0.05	0.19	4	0.29	2.16	3	7.3	73	10
520939		<0.005	0.05	0.16	4	0.26	1.91	6	4.7	1350	<10
520940		<0.005	0.03	0.16	4	0.19	1.78	3	5.7	386	10
520945		<0.005	0.07	0.22	6	0.11	2.69	8	5.5	56	<10
520946		<0.005	0.04	0.19	3	0.30	1.66	3	6.7	79	20
520947		<0.005	0.05	0.16	3	0.18	2.12	6	4.6	1215	10
520948		<0.005	0.06	0.20	5	0.19	2.66	3	7.5	401	10
520949		<0.005	0.03	0.17	16	2.18	1.86	13	5.1	329	10
520950		0.052	0.02	0.16	88	0.10	4.80	44	6.1	29	<10
520951		0.461	0.07	0.47	233	0.15	13.25	101	52.6	<5	<10
520952		0.058	0.34	0.58	73	0.07	4.14	80	5.9	36	10
520953		<0.005	0.02	0.13	9	<0.05	1.32	7	2.1	<5	<10
520954		<0.005	0.02	0.15	4	<0.05	0.91	2	2.6	<5	<10
520955		<0.005	0.06	0.35	4	<0.05	4.43	9	4.5	5	10
520956		<0.005	0.04	0.06	6	<0.05	0.81	7	1.1	<5	<10
520957		<0.005	<0.02	0.38	5	<0.05	3.00	8	2.7	<5	<10
520958		0.061	0.02	0.33	140	0.18	3.96	60	10.8	<5	<10
520959		<0.005	0.05	1.48	2	0.89	0.75	2	10.8	216	20
520960		<0.005	0.04	2.03	4	3.36	0.62	3	13.3	456	30
520961		<0.005	0.07	2.14	7	6.49	1.29	5	13.9	159	30
520962		<0.005	0.11	3.10	<1	0.99	2.50	2	17.0	186	10
520963		<0.005	0.11	2.02	1	1.53	2.32	2	11.7	136	10
520964		<0.005	0.05	0.39	9	0.40	2.46	2	9.2	58	10
520965		<0.005	0.04	0.15	3	0.05	1.84	2	3.5	24	20
520966		<0.005	0.05	0.26	2	0.16	2.39	3	4.7	43	10
520967		<0.005	0.08	0.24	2	0.12	2.73	2	6.2	162	10
520968		<0.005	0.06	0.31	2	0.13	3.16	5	10.3	132	10
520969		<0.005	0.06	0.15	6	0.08	2.37	2	6.0	42	10
520970		<0.005	0.12	0.24	6	0.15	2.85	4	8.5	49	<10
520971		<0.005	0.03	0.17	2	0.20	1.37	2	6.1	65	10
520972		<0.005	0.21	1.66	<1	3.35	24.5	5	13.7	204	30
520973		<0.005	0.05	0.42	2	0.50	3.74	2	14.5	91	10
520974		<0.005	0.05	0.28	3	0.10	2.75	6	9.0	174	10
520975		<0.005	0.03	0.14	2	0.15	1.61	3	4.9	83	20



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	PUL-QC Pass75um %	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
520976		1.41		0.15	0.05	358	<0.2	<10	10	0.22	11.50	<0.01	<0.01	18.95	0.1	3
520977		1.43		0.35	0.22	160.0	<0.2	<10	40	0.12	11.35	0.01	<0.01	32.8	0.6	4
520978		1.28		0.50	0.21	120.0	<0.2	10	20	0.12	6.79	<0.01	<0.01	24.2	0.4	4
520979		1.38		3.16	0.15	339	<0.2	10	20	0.10	2.48	<0.01	0.28	19.85	1.6	6
520980		1.69	99.0	0.60	0.26	98.9	<0.2	10	110	0.26	13.60	0.01	<0.01	25.8	1.4	4
520981		0.93		0.81	0.39	133.5	<0.2	10	140	0.33	5.21	0.01	<0.01	35.2	0.5	5

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Sample Description	Method Analyte Units LOR	ME-MS41														
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
520976		0.12	6.3	1.17	0.44	0.05	0.47	<0.01	0.105	0.01	7.6	0.4	<0.01	55	0.44	<0.01
520977		0.43	4.8	1.87	1.81	<0.05	0.17	<0.01	0.057	0.15	16.2	0.6	0.02	41	1.26	0.01
520978		0.31	7.8	1.76	1.53	<0.05	0.18	<0.01	0.155	0.12	12.2	0.7	0.02	75	0.37	<0.01
520979		0.31	34.5	4.20	1.11	0.06	0.29	0.05	2.10	0.08	9.5	1.0	0.02	106	0.60	0.01
520980		0.63	8.9	1.68	1.37	<0.05	0.19	<0.01	0.178	0.16	12.6	0.9	0.02	54	1.69	<0.01
520981		1.28	16.4	1.65	2.05	<0.05	0.21	<0.01	0.173	0.23	17.2	1.4	0.03	63	0.33	<0.01

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Sample Description	Method Analyte Units LOR	ME-MS41														
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm							
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
520976		1.17	0.7	30	19.3	1.4	<0.001	0.03	21.1	0.2	0.3	51.4	1.5	0.02	0.05	3.2
520977		0.18	1.9	40	13.0	8.9	<0.001	0.36	4.11	0.5	0.3	9.6	3.4	<0.01	0.05	3.1
520978		0.06	1.1	30	6.3	8.3	<0.001	0.10	8.63	0.5	0.4	44.1	2.7	<0.01	0.06	2.1
520979		0.08	3.6	30	47.8	6.7	<0.001	2.00	27.4	0.4	0.5	21.6	1.9	<0.01	0.04	2.2
520980		0.20	2.6	50	38.8	13.8	<0.001	0.65	7.69	0.5	0.4	9.4	6.0	<0.01	0.04	2.4
520981		<0.05	1.3	100	121.0	19.8	<0.001	0.08	4.82	0.8	0.3	7.1	6.2	<0.01	0.04	3.3

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Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm	ME-XRF05 Sn ppm	ME-XRF05 W ppm
520976		<0.005	<0.02	1.77	2	4.04	7.26	12	7.2	80	20
520977		<0.005	0.04	0.21	3	0.17	2.25	4	6.1	38	10
520978		<0.005	0.03	0.24	4	0.23	2.19	3	7.3	483	20
520979		<0.005	0.02	0.24	3	0.18	1.90	68	9.3	177	10
520980		<0.005	0.07	0.21	3	0.09	2.26	4	7.0	53	10
520981		<0.005	0.09	0.23	6	0.05	2.76	5	7.9	34	10

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Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).