



Australian Laboratory Services Pty. Ltd.

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No: 825, Corporate Site No: 23001.

## CERTIFICATE AD16196324

Project: Pedirka Minerals

This report is for 45 Rock samples submitted to our lab in Adelaide, SA, Australia on 11-NOV-2016.

The following have access to data associated with this certificate:

BRETT ODOVONAN

TWEE VO

To: TRI-STAR PETROLEUM COMPANY  
ATTN: TWEE VO  
PO BOX 7128  
RIVERSIDE CENTRE  
BRISBANE QLD 4001

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 \*\*\*\*\*

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Account: TRISTA

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
LOG-22	Sample login - Rcd w/o BarCode
CRU-21	Crush entire sample >70% -6 mm
PUL-23	Pulv Sample - Split/Retain
PUL-QC	Pulverizing QC Test

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

Signature:

Cameron Brosnan, Laboratory Manager, Perth



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## CERTIFICATE OF ANALYSIS AD16196324

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1
PMRC001		0.25		0.02	0.06	0.4	<0.2	<10	850	0.07	0.08	0.09	0.01	6.21	1.1	8
PMRC002		0.41		0.04	0.69	3.9	<0.2	10	110	1.47	0.05	0.13	0.07	23.6	8.4	31
PMRC003		0.64		0.03	0.53	5.6	<0.2	10	500	1.37	0.04	0.85	0.05	16.40	5.4	23
PMRC004		0.40		0.02	0.35	3.2	<0.2	<10	1550	0.60	0.04	0.31	0.04	11.75	2.8	9
PMRC005		0.36	89.0	0.03	0.03	0.6	<0.2	<10	770	<0.05	0.03	0.04	0.01	2.65	1.0	6
PMRC006		0.30		0.03	0.51	10.5	<0.2	<10	250	2.01	0.02	0.11	0.04	10.60	5.8	21
PMRC007		0.92		0.05	0.91	12.1	<0.2	10	840	2.19	0.09	0.36	0.07	20.5	4.7	26
PMRC008		0.84		0.01	0.17	0.7	<0.2	<10	1320	0.09	0.01	0.05	0.01	5.92	0.8	7
PMRC009		0.20		0.04	0.34	34.1	<0.2	10	360	0.45	0.04	0.04	0.07	4.37	0.7	13
PMRC010		0.50		0.03	0.86	1.4	<0.2	<10	1320	0.30	0.02	0.04	0.01	29.3	1.1	12
PMRC011		0.12		0.02	0.46	2.0	<0.2	<10	230	0.29	0.02	0.46	0.01	11.05	1.0	8
PMRC012		0.63		0.04	1.04	15.8	<0.2	10	250	0.89	0.07	0.18	0.04	22.6	3.4	216
PMRC013		0.30		0.02	0.59	13.2	<0.2	<10	70	0.34	0.04	0.36	0.01	28.2	1.9	72
PMRC014		0.57		0.01	0.04	0.5	<0.2	<10	360	<0.05	0.03	0.05	<0.01	7.11	0.5	8
PMRC015		0.85		0.03	0.51	81.1	<0.2	<10	490	5.76	0.06	3.65	0.58	9.54	36.0	66
PMRC016		0.67		0.01	0.21	18.5	<0.2	<10	110	2.05	0.01	10.00	0.91	5.21	7.8	22
PMRC017		0.60		0.01	0.40	6.8	<0.2	<10	90	0.40	0.02	0.02	0.02	11.10	4.5	9
PMRC018		0.30		0.02	0.45	74.3	<0.2	<10	1680	5.69	0.02	0.14	0.39	20.1	53.1	45
PMRC019		0.59		0.01	0.41	2.0	<0.2	<10	130	0.42	0.04	0.24	0.08	8.63	4.4	8
PMRC020		0.41		0.01	0.20	1.3	<0.2	<10	970	0.25	0.03	0.88	0.08	7.77	2.7	6
PMRC021		0.77		0.27	0.90	7.2	<0.2	10	360	1.13	0.05	0.14	0.03	11.25	1.9	70
PMRC022		0.31		0.02	0.35	100.5	<0.2	10	740	0.40	0.05	5.03	0.04	7.90	29.3	9
PMRC023		0.84		0.01	0.82	11.7	<0.2	10	1200	0.68	0.05	0.14	0.02	10.40	21.1	8
PMRC024		0.59		0.02	2.72	1.3	<0.2	10	180	0.66	0.10	0.08	0.02	21.5	4.7	16
PMRC025		0.69		0.04	0.94	4.0	<0.2	10	1880	0.92	0.06	4.33	0.35	32.7	44.3	6
PMRC026		0.39		0.01	0.06	1.3	<0.2	40	90	0.05	0.02	0.10	<0.01	2.13	1.1	3
PMRC027		0.43		0.03	1.70	3.1	<0.2	10	340	1.67	0.07	0.10	0.03	19.50	5.2	16
PMRC028		0.25		0.01	0.38	0.7	<0.2	<10	150	0.10	0.05	0.10	0.01	9.52	2.4	5
PMRC029		0.63		0.02	0.37	31.0	<0.2	<10	120	1.13	0.04	0.03	0.03	18.30	11.5	49
PMRC030		0.32		0.01	0.09	0.4	<0.2	<10	1420	0.06	0.07	0.11	<0.01	11.25	0.8	5
PMRC031		0.77		0.02	0.06	1.1	<0.2	<10	1130	0.09	0.08	0.16	0.01	4.35	1.7	9
PMRC032		0.46		0.02	1.18	55.7	<0.2	10	670	2.56	0.04	0.28	0.18	23.4	79.0	32
PMRC033		0.37		0.05	0.71	27.5	<0.2	<10	230	1.71	0.03	0.36	0.07	31.7	8.1	117
PMRC034		0.22		0.01	0.05	0.8	<0.2	<10	470	0.13	0.03	0.04	0.01	8.31	1.1	9
PMRC035		0.33		0.01	0.06	0.3	<0.2	<10	1620	0.07	0.06	0.36	0.01	3.97	1.0	6
PMRC036		0.40		0.05	1.34	0.6	<0.2	80	420	1.21	0.12	2.79	0.10	55.4	8.7	14
PMRC037		0.52		0.08	0.74	1.2	<0.2	50	1050	1.89	0.11	0.97	0.08	50.3	3.1	4
PMRC038		0.71		0.01	0.42	1.1	<0.2	<10	1090	0.22	0.02	>25.0	0.11	5.80	4.4	1
PMRC039		0.48		0.01	0.17	0.5	<0.2	<10	790	0.12	0.02	8.90	0.03	3.15	1.0	3
PMRC040		0.46	99.0	0.01	0.05	0.4	<0.2	<10	250	0.07	0.01	0.08	0.01	1.98	0.7	7



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## CERTIFICATE OF ANALYSIS AD16196324

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		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
PMRC001		<0.05	8.1	0.60	0.45	<0.05	0.13	0.01	<0.005	0.01	3.8	0.4	0.04	152	0.60
PMRC002		0.13	14.0	18.60	3.64	0.15	0.28	0.03	0.029	0.05	10.6	0.7	0.15	834	0.49
PMRC003		0.09	13.9	15.50	2.65	0.15	0.29	0.03	0.016	0.04	7.9	0.9	0.23	1350	0.34
PMRC004		0.06	3.7	8.36	1.06	0.08	0.08	0.01	0.009	0.02	7.7	0.9	0.15	117	0.26
PMRC005		<0.05	7.7	0.60	0.29	<0.05	0.05	0.01	<0.005	<0.01	1.7	0.2	0.01	107	0.71
PMRC006		<0.05	10.0	20.9	1.76	0.26	0.08	0.03	0.007	0.01	3.9	0.3	0.12	56	0.55
PMRC007		0.16	15.6	20.6	4.38	0.20	0.20	0.02	0.037	0.09	8.5	0.9	0.14	103	0.40
PMRC008		<0.05	2.2	0.83	0.38	<0.05	0.07	0.01	<0.005	0.02	3.8	0.9	0.02	112	0.22
PMRC009		<0.05	8.3	20.7	1.12	0.26	0.07	0.02	0.034	0.01	2.2	0.2	0.02	40	3.16
PMRC010		0.11	3.6	0.53	1.85	<0.05	0.13	0.01	<0.005	0.02	13.4	1.9	0.02	163	0.32
PMRC011		0.11	7.8	1.29	1.19	<0.05	0.12	0.01	0.012	0.03	5.8	1.1	0.07	45	0.44
PMRC012		0.19	68.7	11.25	4.87	0.22	0.94	0.03	0.043	0.09	10.5	0.9	0.18	76	1.42
PMRC013		0.14	18.2	2.34	3.00	0.05	0.49	0.02	0.023	0.05	14.1	0.9	0.27	49	0.67
PMRC014		<0.05	1.8	0.73	0.22	<0.05	0.19	0.01	<0.005	0.01	3.7	0.2	<0.01	84	0.23
PMRC015		0.10	88.3	8.86	6.67	0.23	0.14	0.05	0.090	0.02	3.5	0.5	0.09	996	9.32
PMRC016		0.08	37.0	2.87	0.77	0.07	0.11	0.02	0.209	0.01	2.0	0.4	0.18	182	1.82
PMRC017		0.20	16.3	2.41	2.21	0.08	0.21	0.03	0.024	0.02	4.9	0.7	0.01	172	0.48
PMRC018		0.10	112.0	13.45	2.11	0.28	0.11	0.03	0.086	0.02	3.9	0.3	0.05	929	2.92
PMRC019		0.16	8.9	0.78	1.46	<0.05	0.23	0.03	0.008	0.03	6.6	1.2	0.05	244	0.31
PMRC020		0.05	5.8	0.84	0.94	<0.05	0.25	0.02	0.012	0.02	3.2	1.0	0.06	290	0.28
PMRC021		0.15	21.2	21.7	4.11	0.27	0.16	0.03	0.018	0.09	5.1	0.4	0.02	59	0.40
PMRC022		0.10	9.6	7.58	3.03	0.38	0.23	0.02	0.012	0.03	3.6	0.4	0.17	469	0.66
PMRC023		0.15	5.1	10.90	2.77	0.25	0.31	0.01	0.009	0.06	5.1	0.6	0.04	731	0.41
PMRC024		0.41	12.7	6.77	7.08	0.07	0.66	0.01	0.025	0.19	9.6	2.4	0.10	132	0.20
PMRC025		0.12	33.0	22.5	5.15	0.22	0.42	0.03	0.022	0.07	5.5	0.8	0.36	7870	0.40
PMRC026		0.07	3.9	0.43	0.27	<0.05	0.08	0.01	<0.005	0.01	1.1	0.1	0.02	71	0.29
PMRC027		0.38	16.2	22.5	5.62	0.20	0.12	0.03	0.016	0.14	7.6	0.9	0.03	101	0.22
PMRC028		0.05	5.3	0.56	0.92	<0.05	0.15	0.01	<0.005	0.05	4.2	0.4	0.01	81	0.28
PMRC029		0.10	100.5	7.40	5.98	0.24	0.16	0.03	0.113	0.02	4.4	0.3	0.01	260	6.59
PMRC030		0.10	6.0	0.44	0.64	<0.05	0.05	0.01	<0.005	0.03	7.0	0.3	0.04	82	0.42
PMRC031		<0.05	2.8	1.41	3.54	<0.05	0.18	0.01	<0.005	<0.01	2.4	0.1	0.01	257	0.19
PMRC032		0.33	113.0	8.81	3.68	0.33	0.21	0.08	0.026	0.10	8.1	4.0	0.16	694	7.15
PMRC033		0.14	65.6	11.15	2.79	0.17	0.40	0.02	0.036	0.03	7.1	0.8	0.09	143	1.67
PMRC034		<0.05	8.9	0.81	0.58	<0.05	0.20	0.01	<0.005	0.01	5.6	0.2	0.01	116	0.48
PMRC035		<0.05	6.8	0.53	0.58	<0.05	0.20	0.02	<0.005	0.01	2.9	0.4	0.02	98	0.37
PMRC036		4.10	8.9	34.0	5.67	0.33	0.43	0.03	0.021	0.47	37.6	9.3	0.56	17400	2.59
PMRC037		0.46	5.8	>50	3.40	0.64	0.83	0.05	0.013	0.13	71.5	5.8	0.24	22800	2.31
PMRC038		0.28	6.3	0.71	1.27	0.05	0.11	0.02	0.005	0.06	17.9	1.0	1.09	83	0.32
PMRC039		0.19	2.3	1.08	0.83	<0.05	0.11	0.01	0.010	0.03	6.9	0.9	0.41	324	0.17
PMRC040		<0.05	1.8	1.65	0.27	<0.05	0.06	0.01	<0.005	0.01	1.6	0.5	0.01	582	0.26



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	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
PMRC001		0.19	4.2	70	6.5	0.5	<0.001	0.02	0.13	0.4	<0.2	1.3	37.8	<0.01	0.01
PMRC002		0.19	16.7	520	4.0	2.4	<0.001	0.01	0.09	6.9	0.7	0.4	19.9	0.01	0.02
PMRC003		0.46	11.0	400	4.0	1.8	<0.001	0.10	0.08	3.9	0.6	0.3	49.4	0.01	0.02
PMRC004		0.24	14.1	2490	6.5	1.1	<0.001	0.05	0.07	0.9	0.2	0.4	104.5	<0.01	0.01
PMRC005		<0.05	3.8	50	5.8	0.3	<0.001	0.02	0.12	0.2	<0.2	0.5	22.4	<0.01	0.01
PMRC006		0.23	42.5	4440	2.4	0.6	<0.001	0.02	0.12	7.6	<0.2	0.3	23.8	0.01	0.02
PMRC007		0.37	46.9	1850	4.7	4.0	<0.001	0.08	0.29	6.0	0.2	0.5	44.8	0.01	0.02
PMRC008		<0.05	1.9	30	2.5	0.9	<0.001	0.04	<0.05	0.4	<0.2	<0.2	40.3	<0.01	0.01
PMRC009		0.19	3.7	2720	4.7	0.3	<0.001	0.02	0.09	3.8	1.5	0.3	15.0	<0.01	0.03
PMRC010		<0.05	2.9	110	13.3	2.0	<0.001	0.04	0.06	1.5	<0.2	0.3	38.7	<0.01	0.01
PMRC011		0.12	4.7	220	2.3	2.4	<0.001	0.01	0.14	2.6	<0.2	0.4	20.1	<0.01	0.01
PMRC012		0.29	12.3	260	22.1	4.5	<0.001	0.02	0.83	10.3	0.7	1.1	49.5	<0.01	0.02
PMRC013		0.21	6.1	230	4.3	3.0	<0.001	0.01	0.35	6.7	0.4	0.8	31.7	<0.01	0.01
PMRC014		<0.05	1.2	90	3.4	0.2	<0.001	0.04	<0.05	0.6	<0.2	<0.2	18.5	<0.01	<0.01
PMRC015		0.28	75.3	1590	9.1	1.1	<0.001	0.02	0.23	49.8	19.0	0.7	36.4	0.01	0.04
PMRC016		0.10	13.5	600	1.9	1.0	<0.001	0.02	0.17	16.8	6.1	<0.2	71.8	0.01	0.05
PMRC017		0.08	4.3	190	2.1	1.6	<0.001	0.01	0.07	5.5	10.1	0.3	8.5	<0.01	0.01
PMRC018		0.17	48.4	1590	8.5	1.1	<0.001	0.12	0.58	54.3	6.1	0.3	56.0	0.01	0.02
PMRC019		0.10	5.8	580	3.5	2.0	<0.001	0.01	0.05	2.3	0.4	0.3	11.8	<0.01	0.01
PMRC020		0.28	2.9	270	4.6	0.7	<0.001	0.06	0.06	1.8	0.2	0.3	41.0	<0.01	0.01
PMRC021		0.39	8.8	1820	5.3	4.2	<0.001	0.06	0.16	13.2	0.3	0.5	16.4	<0.01	0.01
PMRC022		0.24	39.7	210	5.4	1.6	<0.001	0.12	6.11	4.9	0.2	0.3	141.0	<0.01	0.03
PMRC023		0.14	23.9	260	4.6	2.9	<0.001	0.06	0.37	4.5	0.6	0.4	19.9	<0.01	0.01
PMRC024		0.08	10.8	210	7.5	9.5	<0.001	0.06	0.08	6.8	0.4	1.0	37.2	<0.01	0.01
PMRC025		0.37	30.3	310	36.8	2.5	<0.001	0.08	0.09	10.5	0.4	0.5	163.5	0.01	0.03
PMRC026		<0.05	2.5	50	1.0	0.6	<0.001	<0.01	0.11	0.5	<0.2	0.2	7.3	<0.01	0.01
PMRC027		0.25	42.8	2510	3.5	6.3	<0.001	0.07	0.18	22.5	0.2	0.8	26.6	0.01	0.02
PMRC028		0.10	3.8	40	2.0	2.6	<0.001	0.01	0.10	1.3	<0.2	0.6	8.2	<0.01	<0.01
PMRC029		0.36	25.8	970	8.2	1.2	<0.001	0.02	0.17	16.0	32.9	1.0	11.8	0.01	0.03
PMRC030		0.09	2.9	60	3.9	1.9	<0.001	0.09	0.09	0.4	<0.2	0.9	70.5	<0.01	<0.01
PMRC031		0.17	2.3	30	4.0	0.3	<0.001	0.09	0.06	0.6	<0.2	1.0	38.0	<0.01	<0.01
PMRC032		0.21	47.9	1180	9.6	5.0	<0.001	0.06	0.06	16.5	7.1	0.4	46.5	0.01	0.03
PMRC033		0.21	27.8	450	4.9	1.7	<0.001	0.02	0.16	32.9	1.6	0.5	18.0	0.01	0.02
PMRC034		0.11	4.4	120	5.3	0.2	<0.001	0.02	0.11	1.0	<0.2	0.9	31.7	<0.01	<0.01
PMRC035		0.16	3.4	110	3.1	0.5	<0.001	0.04	0.11	0.6	<0.2	1.0	37.5	<0.01	<0.01
PMRC036		0.37	8.0	310	9.2	29.5	0.001	0.01	0.09	3.7	0.5	0.8	368	0.01	0.05
PMRC037		0.56	3.5	270	5.4	3.6	0.001	0.02	<0.05	1.5	0.8	0.6	373	0.03	0.05
PMRC038		0.20	3.2	90	2.0	4.9	<0.001	0.10	<0.05	1.7	0.9	<0.2	351	0.01	0.06
PMRC039		0.22	1.4	40	5.4	2.4	<0.001	0.02	<0.05	0.8	0.2	0.2	136.0	<0.01	0.03
PMRC040		0.05	1.3	20	5.3	0.3	<0.001	0.01	<0.05	0.3	<0.2	<0.2	14.1	<0.01	0.01



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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	Au-AA23 Au ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.005
PMRC001		0.013	<0.02	0.15	4	<0.05	1.41	2	5.1	<0.005
PMRC002		0.015	0.02	4.11	77	0.06	8.35	50	10.0	<0.005
PMRC003		0.015	0.02	2.52	43	0.08	7.76	32	11.0	<0.005
PMRC004		0.010	0.03	0.68	18	<0.05	3.79	34	3.1	<0.005
PMRC005		<0.005	<0.02	0.08	2	0.08	0.41	<2	1.1	<0.005
PMRC006		0.006	<0.02	2.29	30	0.06	6.26	150	2.1	<0.005
PMRC007		0.012	0.04	1.65	66	0.07	6.49	215	5.6	<0.005
PMRC008		<0.005	<0.02	0.10	2	<0.05	1.31	3	2.1	<0.005
PMRC009		<0.005	<0.02	0.82	81	0.06	1.92	7	2.1	<0.005
PMRC010		<0.005	0.02	0.16	6	<0.05	7.19	2	3.8	<0.005
PMRC011		<0.005	0.02	0.38	16	0.06	2.53	8	4.0	<0.005
PMRC012		0.031	0.04	2.46	329	0.13	3.79	87	32.9	<0.005
PMRC013		0.015	0.03	1.06	147	0.05	2.48	20	19.4	<0.005
PMRC014		<0.005	<0.02	0.22	1	<0.05	1.25	<2	5.8	<0.005
PMRC015		0.007	1.28	50.7	818	0.46	21.7	103	6.5	<0.005
PMRC016		<0.005	0.20	8.37	109	0.16	14.90	23	4.1	0.006
PMRC017		0.010	0.07	2.45	155	0.09	3.20	8	9.1	<0.005
PMRC018		0.007	0.99	24.6	1050	1.00	18.40	71	2.9	<0.005
PMRC019		0.015	0.05	1.44	26	<0.05	6.21	12	8.3	<0.005
PMRC020		0.025	0.04	0.75	14	<0.05	3.19	5	9.2	<0.005
PMRC021		0.014	0.03	1.33	51	0.07	2.50	61	4.9	<0.005
PMRC022		0.008	0.07	1.22	84	0.14	5.50	168	10.0	<0.005
PMRC023		0.013	0.25	1.52	48	0.10	4.74	122	11.6	<0.005
PMRC024		0.019	0.06	2.29	31	<0.05	7.29	27	21.5	<0.005
PMRC025		0.021	5.64	1.82	64	0.11	9.15	126	18.3	<0.005
PMRC026		<0.005	0.03	0.15	3	<0.05	0.97	4	1.5	<0.005
PMRC027		0.030	0.06	2.96	32	0.07	5.57	221	3.2	<0.005
PMRC028		<0.005	0.03	0.11	5	<0.05	1.86	7	4.6	<0.005
PMRC029		0.018	0.09	15.00	220	0.08	8.71	74	7.1	<0.005
PMRC030		<0.005	0.02	0.13	9	0.06	2.40	3	1.7	<0.005
PMRC031		0.023	0.12	0.30	31	<0.05	2.30	4	6.6	<0.005
PMRC032		0.013	1.19	20.7	197	0.11	12.85	140	9.9	<0.005
PMRC033		0.017	0.06	14.15	548	0.10	12.80	55	16.9	<0.005
PMRC034		0.024	<0.02	0.55	19	<0.05	2.37	2	7.9	<0.005
PMRC035		0.027	<0.02	0.49	13	<0.05	2.26	2	7.6	<0.005
PMRC036		0.054	3.13	25.5	23	0.30	25.4	31	10.4	<0.005
PMRC037		0.020	4.21	56.4	16	0.37	42.7	4	21.0	<0.005
PMRC038		0.005	0.08	1.57	19	0.05	28.7	9	2.8	<0.005
PMRC039		0.009	0.06	1.08	11	<0.05	9.84	2	3.7	<0.005
PMRC040		<0.005	0.08	1.15	1	<0.05	1.28	<2	2.2	<0.005



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



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	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	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
PMRC041		0.78	2.8	240	8.4	0.6	<0.001	0.01	0.08	1.4	<0.2	0.4	23.7	0.02	0.01	7.0
PMRC042		0.16	2.9	580	6.3	0.4	<0.001	0.10	0.08	1.0	<0.2	0.5	47.2	<0.01	<0.01	2.0
PMRC043		0.18	4.3	420	14.5	0.2	<0.001	0.03	0.16	2.9	0.4	0.3	17.5	<0.01	0.04	4.9
PMRC044		0.19	2.5	70	5.6	34.8	<0.001	<0.01	0.07	0.6	<0.2	0.3	7.9	<0.01	0.01	3.4
PMRC045		<0.05	4.0	20	3.2	1.0	<0.001	0.02	0.11	0.1	<0.2	0.4	23.1	<0.01	<0.01	<0.2





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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	Au-AA23 Au ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.005
PMRC041		0.044	0.02	1.24	28	0.05	3.42	4	25.2	<0.005
PMRC042		0.016	0.03	0.71	23	<0.05	1.94	4	6.2	<0.005
PMRC043		0.013	<0.02	5.95	224	0.15	5.09	6	13.2	<0.005
PMRC044		<0.005	0.21	1.31	15	0.09	6.80	2	5.3	<0.005
PMRC045		<0.005	<0.02	0.05	1	0.08	0.26	<2	0.5	<0.005



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**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method:

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

**ACCREDITATION COMMENTS**

Applies to Method:

NATA Accredited. Corporate Accreditation No: 825, Corporate Site No: 23001. The Technical Signatory is Wendy Wong, Senior QC Chemist.  
ME-MS41

**LABORATORY ADDRESSES**

Applies to Method:

Processed at ALS Perth located at 31 Denninup Way, Malaga, Australia. NATA Accreditation does not cover the performance of ALS Perth Sample Preparation which is processed at 79 Distinction Road, Wangara, WA, Australia  
Au-AA23 ME-MS41

Applies to Method:

Processed at ALS Adelaide located at Unit 1, 1 Burma Road, Pooraka, Adelaide, SA, Australia.  
CRU-21 LEV-01 LOG-22 PUL-23  
PUL-QC WEI-21