



Australian Laboratory Services Pty. Ltd.

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www.alsglobal.com

ALS Brisbane is a NATA Accredited Testing Laboratory. Corporate
Accreditation No: 825, Corporate Site No: 818.

CERTIFICATE BR17102284

Project: Exploration

This report is for 100 Soil samples submitted to our lab in Burnie, TAS, Australia on 25-MAY-2017.

The following have access to data associated with this certificate:

SEAN WESTBROOK

KENT WIGHTON

To: KINGFISHER EXPLORATION PTY LTD
ATTN: SEAN WESTBROOK
15 RICHARDS AVE
DODGES FERRY TAS 7173

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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Plus Appendix Pages

Finalized Date: 7-JUN-2017

This copy reported on 19-JUN-2017

Account: KINEXP

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
BAG-01	Bulk Master for Storage
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS62s	Up to 54 elements by ICP-MS	ICP-MS
ME-ICP61	33 element four acid ICP-AES	ICP-AES
Au-AA22	Au 50g FA Low Level AA Finish	AAS
Au-AA26	Ore Grade Au 50g FA AA finish	AAS

Signature:

Shaun Kenny, Brisbane Laboratory Manager



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CERTIFICATE OF ANALYSIS BR17102284

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	PUL-QC Pass75um % 0.01	Au-AA22 Au ppm 0.002	Au-AA26 Au ppm 0.01	ME-MS62s Ag ppm 0.02	ME-MS62s As ppm 0.2	ME-MS62s Bi ppm 0.01	ME-MS62s Cu ppm 0.2	ME-MS62s Pb ppm 0.5	ME-MS62s Sb ppm 0.05	ME-MS62s Te ppm 0.05	ME-ICP61 Mn ppm 5	ME-ICP61 Zn ppm 2	ME-ICP61 Fe % 0.01	ME-ICP61 As ppm 5
GS059		1.28		<0.002		0.04	15.6	0.56	22.3	30.5	0.64	0.08	516	64	7.40	
GS060		1.64		<0.002		0.03	25.9	0.39	5.5	26.7	0.63	0.06	624	20	6.30	
GS061		1.88		<0.002		<0.02	6.1	0.28	3.3	12.7	0.43	<0.05	149	13	1.84	
GS062		0.94		<0.002		0.02	24.5	0.55	10.1	23.5	0.78	0.10	243	22	5.94	
GS063		1.22		<0.002		0.02	14.9	0.36	3.8	21.5	0.45	<0.05	165	7	4.13	
GS064		1.22		<0.002		<0.02	10.4	0.68	3.2	6.9	0.48	<0.05	80	10	0.78	
GS065		0.84		0.003		<0.02	14.0	0.97	2.7	5.5	0.53	<0.05	52	7	0.88	
GS066		1.11		<0.002		<0.02	7.4	0.42	3.3	6.9	0.39	<0.05	54	7	0.83	
GS067		0.73		<0.002		0.02	9.3	0.50	2.9	5.6	0.41	<0.05	38	6	1.29	
GS068		1.08		<0.002		0.02	2.0	0.30	3.5	5.0	0.35	<0.05	53	6	0.25	
GS069		1.47		<0.002		<0.02	13.9	0.39	5.9	12.6	1.00	<0.05	52	12	1.66	
GS070		1.30	85.0	0.002		<0.02	1.7	0.97	3.4	4.0	0.73	<0.05	90	6	0.26	
GS071		1.80		<0.002		0.04	10.3	0.43	11.2	18.1	0.48	<0.05	141	24	3.82	
GS072		1.44		<0.002		0.02	14.3	0.20	10.5	14.7	0.38	<0.05	93	35	8.90	
GS073		1.81		<0.002		0.02	8.3	0.21	3.5	12.3	0.32	<0.05	84	11	3.99	
GS074		1.63		<0.002		0.02	6.0	0.12	2.8	8.6	0.25	<0.05	82	8	2.15	
GS075		1.63		0.004		<0.02	18.4	0.30	3.5	11.4	0.38	<0.05	60	7	1.11	
GS076		1.79		<0.002		<0.02	20.4	0.33	3.5	17.6	0.49	<0.05	63	10	1.63	
GS077		1.11		<0.002		<0.02	3.7	0.47	6.5	17.1	0.42	<0.05	336	23	3.03	
GS078		1.55		<0.002		<0.02	3.6	0.41	6.7	17.8	0.38	<0.05	231	22	2.38	
GS079		1.72		<0.002		0.03	3.1	0.46	6.6	21.8	0.41	<0.05	271	28	2.98	
GS080		0.92		<0.002		<0.02	5.0	0.47	8.1	18.4	0.36	0.05	356	24	3.39	
GS081		1.55		<0.002		0.02	11.9	0.48	9.8	17.7	0.78	<0.05	182	31	2.38	
GS082		1.63		<0.002		0.03	9.6	0.40	7.1	13.6	0.60	<0.05	236	30	1.55	
GS083		0.86		0.005		0.03	54.5	1.53	11.6	19.4	1.18	0.12	310	32	5.77	
GS084		1.13		0.005		0.02	21.9	0.67	5.6	10.0	0.70	<0.05	171	13	1.13	
GS085		2.11		0.002		<0.02	271	0.15	17.2	64.6	1.38	0.10	28	6	1.13	
GS086		1.87		0.013		<0.02	23.3	0.36	5.2	10.0	0.46	<0.05	76	10	0.83	
GS087		1.88		<0.002		<0.02	4.8	0.13	3.5	7.0	0.32	<0.05	50	6	0.39	
GS088		1.75		0.002		<0.02	15.5	0.30	5.9	10.3	0.36	<0.05	63	9	1.35	
GS089		1.65		<0.002		0.02	10.8	0.16	12.1	9.7	0.37	<0.05	36	12	2.40	
GS090		1.67		<0.002		<0.02	5.7	0.10	4.3	7.5	0.26	<0.05	34	6	0.53	
GS091		1.79		<0.002		<0.02	4.0	0.11	7.7	8.6	0.28	<0.05	44	13	1.23	
GS092		1.49		<0.002		<0.02	5.5	0.21	4.2	12.1	0.32	<0.05	70	8	1.37	
GS093		1.82		<0.002		0.03	9.8	0.11	4.4	11.7	0.25	<0.05	336	10	2.15	
GS094		1.53		<0.002		0.04	7.9	0.32	10.5	14.6	0.48	<0.05	114	19	2.67	
GS095		1.27		<0.002		0.02	9.2	0.27	27.5	13.6	0.43	<0.05	80	33	3.09	
GS096		1.61		<0.002		<0.02	14.2	0.28	28.8	10.2	0.46	<0.05	63	51	3.25	
GS097		1.64		<0.002		0.03	21.6	0.26	51.7	11.0	0.47	0.05	161	121	6.89	
GS098		1.39		<0.002		0.05	11.8	0.19	43.4	10.8	0.39	<0.05	50	89	5.90	



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GS099		1.58		0.002		0.02	16.9	0.31	54.8	11.7	0.49	<0.05	67	56	4.71	
GS100		1.78		0.006		<0.02	50.2	0.50	28.6	22.8	0.70	<0.05	81	25	3.10	
GS101		1.75		<0.002		0.02	14.9	0.43	15.9	17.9	0.73	<0.05	96	27	2.42	
GS102		1.60		<0.002		<0.02	37.2	0.58	15.1	11.8	0.76	<0.05	75	22	2.67	
GS103		1.49		<0.002		<0.02	23.6	1.41	3.4	8.2	0.55	<0.05	56	10	1.27	
GS104		1.32		<0.002		<0.02	28.9	0.50	3.8	7.8	0.47	<0.05	83	7	0.98	
GS105		1.76		<0.002		<0.02	23.9	0.53	13.8	16.9	0.73	<0.05	165	18	2.81	
GS106		1.14		0.003		<0.02	17.3	0.43	11.6	14.8	0.60	<0.05	145	19	2.20	
GS107		1.59		<0.002		<0.02	9.2	0.38	12.0	16.6	0.52	<0.05	151	28	2.09	
GS108		1.47		<0.002		0.06	16.0	0.40	5.2	20.4	0.48	<0.05	172	32	3.73	
GS109		1.04		<0.002		<0.02	7.9	0.43	10.6	21.6	0.67	<0.05	159	21	2.91	
GS110		1.97		<0.002		<0.02	9.2	0.38	10.9	18.1	0.69	<0.05	136	21	3.29	
GS111		1.32	85.0	<0.002		<0.02	7.2	0.44	10.7	19.3	0.66	<0.05	148	19	2.59	
GS112		1.85		<0.002		<0.02	6.6	0.25	4.9	15.0	0.32	<0.05	65	13	1.89	
GS113		1.20		<0.002		<0.02	5.9	0.14	5.5	10.1	0.30	<0.05	67	7	1.46	
GS114		1.75		<0.002		0.02	22.3	0.14	6.3	12.4	0.24	<0.05	662	12	4.29	
GS115		1.24		<0.002		0.03	16.9	0.36	2.5	9.2	0.28	<0.05	32	7	0.45	
GS116		1.08		0.005		<0.02	112.0	1.08	10.0	6.5	1.50	<0.05	105	9	1.33	
GS117		0.93		<0.002		<0.02	226	1.13	20.6	6.1	1.86	0.09	54	8	2.37	
GS118		1.05		0.004		<0.02	75.7	1.03	8.5	5.3	1.18	<0.05	156	12	0.89	
GS119		1.29		0.112		0.04	>500	5.90	8.7	8.1	1.75	0.08	100	13	1.11	656
GS120		0.89		0.101		0.04	289	3.39	7.7	7.2	1.45	0.06	49	11	1.02	
GS121		1.82		0.061		0.02	105.5	1.47	3.6	3.1	0.74	<0.05	29	5	0.45	
GS122		1.13		>1.00	3.93	0.84	>500	113.5	24.7	20.1	24.8	1.30	82	14	2.85	24200
GS123		2.02		0.005		0.02	154.0	3.30	3.6	9.8	1.21	0.06	89	12	2.13	
GS124		0.84		0.012		<0.02	195.5	3.69	4.4	10.9	1.17	<0.05	90	7	2.44	
GS125		1.41		0.002		<0.02	65.3	0.78	9.2	13.6	0.57	<0.05	82	27	2.94	
GS126		1.57		<0.002		<0.02	9.2	0.15	3.1	8.4	0.26	<0.05	26	7	0.78	
GS127		1.56		<0.002		<0.02	8.2	0.24	7.3	9.1	0.30	<0.05	39	7	0.89	
GS128		1.91		<0.002		<0.02	10.6	0.14	6.5	7.9	0.27	<0.05	38	9	2.89	
GS129		1.64		<0.002		0.06	10.8	0.16	40.0	9.6	0.34	0.06	45	60	8.15	
GS130		1.68		<0.002		0.02	5.7	0.11	17.3	8.7	0.29	<0.05	39	22	1.70	
GS131		1.40		<0.002		0.02	5.4	0.15	18.5	9.9	0.31	<0.05	45	42	3.29	
GS132		1.54		<0.002		0.02	3.0	0.11	17.2	8.6	0.37	<0.05	60	95	2.46	
GS133		1.23		<0.002		0.03	3.7	0.12	21.3	9.0	0.34	<0.05	65	80	3.44	
GS134		1.06		<0.002		0.10	7.2	0.17	32.4	9.8	0.41	<0.05	57	68	8.81	
GS135		1.60		0.002		0.05	11.5	0.32	16.4	23.9	0.47	0.12	7820	30	8.08	
GS136		1.75		<0.002		0.02	5.0	0.17	8.2	11.7	0.39	<0.05	183	31	2.05	
GS137		1.45		<0.002		0.05	4.7	0.13	19.1	8.6	0.30	<0.05	148	45	3.61	
GS138		1.63		<0.002		0.02	6.3	0.07	5.2	10.5	0.26	<0.05	128	8	2.16	



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GS139		1.58		<0.002		0.02	8.3	0.11	24.2	14.5	0.37	<0.05	177	50	4.82	
GS140		1.32		<0.002		0.04	10.1	0.12	45.8	9.6	0.23	<0.05	73	128	9.46	
GS141		1.10		<0.002		0.05	7.8	0.08	79.0	7.9	0.29	<0.05	72	149	9.07	
GS142		1.78		<0.002		0.10	33.1	0.13	107.5	15.6	0.43	0.15	705	136	22.0	
GS143		2.06		<0.002		0.02	3.8	0.14	6.6	4.3	0.36	<0.05	70	7	0.84	
GS144		1.96		<0.002		0.02	11.9	0.22	16.3	8.0	0.51	<0.05	66	6	2.78	
GS145		1.51		<0.002		0.02	22.2	0.30	11.3	13.0	0.53	<0.05	78	23	2.91	
GS146		1.57		0.005		<0.02	48.2	1.60	5.3	13.9	0.71	<0.05	104	8	2.03	
GS147		1.02		0.005		0.02	101.0	4.85	7.4	15.0	1.04	0.06	108	9	4.04	
GS148		1.03		0.002		0.07	168.0	0.38	74.3	11.7	0.43	0.06	46	83	8.80	
GS149		1.71		<0.002		0.02	21.3	0.20	11.8	15.7	1.11	<0.05	83	16	5.85	
GS150		1.57		<0.002		0.02	15.2	0.13	15.2	9.1	0.37	<0.05	35	34	3.36	
GS151		1.32		<0.002		0.04	30.7	0.18	43.1	14.6	0.46	0.07	71	60	10.35	
GS152		1.34	85.0	<0.002		0.03	8.2	0.30	23.0	12.8	0.64	0.05	296	67	6.21	
GS153		1.51		<0.002		0.03	20.4	0.16	83.7	41.1	0.54	0.08	96	50	8.78	
GS154		1.22		<0.002		0.02	9.9	0.38	6.1	9.1	0.77	<0.05	63	15	1.62	
GS155		1.64		<0.002		0.04	6.8	0.31	7.0	13.0	0.68	<0.05	34	9	0.97	
GS156		1.54		<0.002		<0.02	10.5	0.09	58.0	13.1	0.37	<0.05	36	15	1.69	
GS157		1.09		<0.002		0.02	4.9	0.06	91.7	5.1	0.18	0.05	50	61	7.76	
GS158		1.20		0.002		0.04	4.9	0.44	30.0	10.2	0.50	<0.05	226	37	3.19	



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CERTIFICATE COMMENTS

ACCREDITATION COMMENTS

Applies to Method: NATA Accredited. Corporate Accreditation No: 825, Corporate Site No: 818. The Technical Signatory is David Jones, ICPMS Supervising Chemist.
ME-MS62s

Applies to Method: NATA Accredited. Corporate Accreditation No: 825, Corporate Site No: 818. The Technical Signatory is Samantha Profke, ICPAES Supervising Chemist
ME-ICP61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia.
Au-AA22 Au-AA26

Applies to Method: Processed at ALS Brisbane located at 32 Shand Street, Stafford, Brisbane, QLD, Australia. NATA Accreditation does not cover the performance of ALS Brisbane Sample Preparation which is processed at 116 Delta Street, Geebung, QLD 4034, Australia
BAG-01 LEV-01 ME-ICP61 ME-MS62s
PUL-32 PUL-QC SPL-21 WEI-21