



Australian Laboratory Services Pty. Ltd.

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www.alsglobal.com/geochemistry

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

## CERTIFICATE BR18037480

Project: 2018.02.12\_ALS\_GS\_TASMETJV

This report is for 115 Soil samples submitted to our lab in Burnie, TAS, Australia on  
20-FEB-2018.

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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Finalized Date: 8-MAR-2018

This copy reported on 11-APR-2018

Account: KINEXP

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
TRA-21	Transfer sample
LOG-22	Sample login - Rcd w/o BarCode
CRU-21	Crush entire sample >70% -6 mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS62s	Up to 54 elements by ICP-MS	ICP-MS

Signature:

Shaun Kenny, Brisbane Laboratory Manager



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## CERTIFICATE OF ANALYSIS BR18037480

Sample Description	Method Analyte Units LOR	WEI-21	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s
		Recvd Wt.	As	Bi	Sb	Te
		kg	ppm	ppm	ppm	ppm
		0.02	0.2	0.01	0.05	0.05
GS1139		2.97	4.0	0.09	0.28	<0.05
GS1140		2.53	5.4	0.06	0.18	<0.05
GS1141		2.28	76.7	0.02	0.13	<0.05
GS1142		2.78	7.5	0.04	0.15	<0.05
GS1143		2.41	7.1	0.07	0.23	<0.05
GS1144		2.32	11.0	0.17	0.72	<0.05
GS1145		2.13	11.7	0.36	0.78	<0.05
GS1146		2.63	6.4	0.25	0.50	<0.05
GS1150		1.90	4.7	0.32	0.78	<0.05
GS1151		2.53	20.4	0.12	0.22	<0.05
GS1152		2.32	8.5	0.16	0.52	<0.05
GS1153		2.16	6.0	0.23	0.39	<0.05
GS1154		2.23	14.5	0.50	0.96	0.10
GS1155		2.07	20.0	0.24	0.24	<0.05
GS1156		2.52	9.1	0.11	0.17	<0.05
GS1157		1.69	6.2	0.07	0.19	<0.05
GS1158		2.31	4.3	0.08	0.19	<0.05
GS1159		1.92	5.6	0.08	0.17	<0.05
GS1160		1.61	3.5	0.13	0.60	<0.05
GS1161		2.60	2.8	0.14	0.44	<0.05
GS1162		1.89	17.5	0.24	0.19	<0.05
GS1163		2.68	2.4	0.06	0.18	<0.05
GS1164		1.60	4.5	0.13	0.17	<0.05
GS1165		2.63	4.7	0.05	0.17	<0.05
GS1166		2.44	6.7	0.09	0.29	<0.05
GS1167		1.97	5.5	0.16	0.19	<0.05
GS1168		2.03	4.8	0.12	0.25	<0.05
GS1169		2.08	5.0	0.07	0.16	<0.05
GS1170		1.82	3.1	0.07	0.14	<0.05
GS1171		2.15	3.4	0.18	0.44	<0.05
GS1172		2.61	2.4	0.16	0.35	<0.05
GS1173		2.21	2.6	0.16	0.56	<0.05
GS1174		2.16	2.2	0.12	0.59	<0.05
GS1175		2.04	5.5	0.13	0.32	<0.05
GS1177		2.22	10.3	0.25	0.42	<0.05
GS1178		2.42	7.3	0.23	0.35	<0.05
GS1179		2.40	1.8	0.26	0.32	<0.05
GS1180		1.80	13.5	0.20	0.41	<0.05
GS1181		1.98	4.3	0.13	0.24	<0.05
GS1182		3.12	7.2	0.18	0.30	<0.05



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**CERTIFICATE OF ANALYSIS BR18037480**

Sample Description	Method Analyte Units LOR	WEI-21	ME-MS62s	ME-MS62s	ME-MS62s	ME-MS62s
		Recvd Wt.	As	Bi	Sb	Te
		kg	ppm	ppm	ppm	ppm
		0.02	0.2	0.01	0.05	0.05
GS1183		2.15	3.0	0.09	0.26	<0.05
GS1184		1.91	3.7	0.09	0.18	<0.05
GS1185		1.71	2.3	0.07	0.19	<0.05
GS1186		1.82	2.5	0.06	0.14	<0.05
GS1187		1.77	10.4	0.35	0.46	<0.05
GS1188		1.88	5.6	0.16	0.52	<0.05
GS1189		1.92	10.2	0.49	0.67	<0.05
GS1190		2.16	7.5	0.19	0.31	<0.05
GS1191		1.71	7.2	0.18	0.27	<0.05
GS1192		1.95	6.4	0.09	0.33	<0.05
GS1193		2.46	1.8	0.09	0.34	<0.05
GS1194		2.32	5.2	0.24	0.69	<0.05
GS1196		1.87	16.8	0.35	0.76	<0.05
GS1197		2.08	29.2	0.46	1.16	<0.05
GS1198		1.86	15.6	0.30	0.98	<0.05
GS1199		1.70	13.8	0.30	0.64	<0.05
GS1200		1.83	6.9	0.31	0.53	<0.05
GS1201		1.87	13.3	0.51	0.79	<0.05
GS1202		1.65	18.9	0.64	0.94	<0.05
GS1203		1.76	13.6	0.57	0.82	<0.05
GS1204		1.55	16.8	0.55	1.01	<0.05
GS1205		2.29	24.0	0.47	0.91	<0.05
GS1206		1.80	15.3	0.38	0.78	<0.05
GS1207		1.83	11.3	0.34	0.61	<0.05
GS1208		1.90	10.8	0.40	1.32	<0.05
GS1209		2.07	11.4	0.33	0.88	<0.05
GS1210		1.79	27.9	0.42	0.97	<0.05
GS1211		2.38	24.7	0.11	0.65	<0.05
GS1213		1.73	10.2	0.15	0.42	<0.05
GS1214		1.79	10.2	0.28	1.22	<0.05
GS1215		2.00	10.1	0.21	0.86	<0.05
GS1216		2.49	4.2	0.23	0.98	<0.05
GS1217		2.51	16.3	0.20	0.69	<0.05
GS1218		2.61	9.7	0.26	0.91	0.05
GS1219		2.57	22.3	0.68	1.38	0.08
GS1220		2.10	9.4	0.39	0.87	0.10
GS1221		2.22	11.9	0.32	0.65	<0.05
GS1222		1.87	13.1	0.41	0.89	0.05
GS1223		2.33	4.9	0.24	0.66	<0.05
GS1224		1.43	18.7	0.31	0.99	0.05



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		Recvd Wt.	As	Bi	Sb	Te
		kg	ppm	ppm	ppm	ppm
		0.02	0.2	0.01	0.05	0.05
GS1225		1.72	7.4	0.32	0.65	<0.05
GS1226		1.72	3.7	0.23	0.50	<0.05
GS1227		1.50	19.9	0.41	0.54	<0.05
GS1228		1.79	9.3	0.45	0.73	<0.05
GS1229		1.80	12.7	0.40	0.63	<0.05
GS1230		1.73	21.6	0.48	0.95	0.05
GS1231		1.67	10.5	0.48	0.76	<0.05
GS1232		1.75	7.2	0.51	0.79	<0.05
GS1233		1.71	10.3	0.45	0.95	<0.05
GS1235		2.28	7.0	0.13	0.18	<0.05
GS1236		1.72	3.9	0.12	0.47	<0.05
GS1237		2.21	25.3	0.11	1.43	<0.05
GS1238		2.07	2.5	0.05	0.16	<0.05
GS1239		1.38	10.4	0.16	0.22	<0.05
GS1240		1.63	1.7	0.09	0.29	<0.05
GS1241		1.94	1.8	0.09	0.25	<0.05
GS1242		2.05	1.7	0.12	0.22	<0.05
GS1243		2.55	14.2	0.36	0.65	<0.05
GS1244		1.97	7.7	0.30	0.37	<0.05
GS1245		2.27	9.6	0.48	0.64	<0.05
GS1246		2.22	8.9	0.12	0.29	<0.05
GS1247		1.42	4.1	0.14	0.19	<0.05
GS1248		1.53	2.3	0.08	0.15	<0.05
GS1249		2.17	7.4	0.48	0.74	<0.05
GS1250		2.28	7.7	0.37	0.54	<0.05
GS1251		1.83	1.9	0.05	0.16	<0.05
GS1252		2.74	5.4	0.18	0.50	<0.05
GS1253		2.13	3.7	0.10	0.44	<0.05
GS1254		1.86	3.1	0.15	0.28	<0.05
GS1255		2.76	4.8	0.41	0.29	<0.05
GS1256		2.25	12.3	1.23	0.44	0.08
GS1257		1.89	40.2	0.60	0.40	0.06
GS1258		1.94	5.4	0.49	0.61	0.08
GS1259		2.32	4.7	0.75	0.66	0.06
GS1260		2.20	3.2	0.23	0.13	<0.05



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<b>CERTIFICATE OF ANALYSIS</b>	<b>BR18037480</b>
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	<b>CERTIFICATE COMMENTS</b>
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Applies to Method:	<b>ACCREDITATION COMMENTS</b>
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Applies to Method:	NATA Accreditation covers the performance of this service but does not cover the performance of ALS Brisbane Sample Preparation. Corporate Accreditation No: 825, Corporate Site No: 818. The Technical Signatory is David Jones, ICPMS Supervising Chemist ME-MS62s
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Applies to Method:	<b>LABORATORY ADDRESSES</b>
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Applies to Method:	Processed at ALS Brisbane located at 32 Shand Street, Stafford, Brisbane, QLD, Australia. Processed at ALS Brisbane Sample Preparation at 116 Delta Street, Geebung, QLD 4034, Australia							
	<table><tr><td>CRU-21</td><td>LEV-01</td><td>LOG-22</td><td>ME-MS62s</td></tr><tr><td>PUL-32</td><td>SPL-21</td><td>TRA-21</td><td>WEI-21</td></tr></table>	CRU-21	LEV-01	LOG-22	ME-MS62s	PUL-32	SPL-21	TRA-21
CRU-21	LEV-01	LOG-22	ME-MS62s					
PUL-32	SPL-21	TRA-21	WEI-21					