



Australian Laboratory Services Pty. Ltd.

32 Shand Street

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www.alsglobal.com/geochemistry

To: EARTH AI OPERATIONS AUSTRALIA PTY LTD

GROUND FLOOR

100 GEORGE STREET

PARRAMATTA NSW 2150

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Plus Appendix Pages

Finalized Date: 11-OCT-2019

This copy reported on 16-OCT-2019

Account: EARTOP

CERTIFICATE AD19243918

This report is for 4 Soil samples submitted to our lab in Adelaide, SA, Australia on 30-SEP-2019.

The following have access to data associated with this certificate:

EARTH AI OPERATIONS

ROMAN TESLYUK

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-32	Pulverize 1000g to 85% < 75 um
LEV-01	Waste Disposal Levy

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
AuME-TL43	25g Trace Au + Multi Element PKG

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:

Cameron Brosnan, Laboratory Manager, Perth



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CERTIFICATE OF ANALYSIS AD19243918

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	AuME-TL43 Au ppm 0.001	AuME-TL43 Ag ppm 0.01	AuME-TL43 Al % 0.01	AuME-TL43 As ppm 0.1	AuME-TL43 B ppm 10	AuME-TL43 Ba ppm 10	AuME-TL43 Be ppm 0.05	AuME-TL43 Bi ppm 0.01	AuME-TL43 Ca % 0.01	AuME-TL43 Cd ppm 0.01	AuME-TL43 Ce ppm 0.02	AuME-TL43 Co ppm 0.1	AuME-TL43 Cr ppm 1	AuME-TL43 Cs ppm 0.05
EAIELK1905118s		0.36	<0.001	0.01	0.46	2.0	<10	20	0.48	0.10	0.04	0.01	17.45	4.1	15	0.32
EAIELK1909139s		0.39	<0.001	<0.01	0.61	1.6	<10	20	0.31	0.12	0.03	0.02	16.75	3.0	17	0.42
EAIELK1909109s		0.36	<0.001	<0.01	0.47	1.3	<10	20	0.28	0.11	0.02	0.01	13.90	2.6	14	0.34
EAIELK1909160s		0.32	0.001	0.01	0.58	2.8	<10	20	0.40	0.12	0.03	0.01	19.55	4.3	15	0.38



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CERTIFICATE OF ANALYSIS AD19243918

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		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	0.05
EAIELK1905118s		6.2	1.84	2.96	<0.05	0.09	0.02	0.018	0.06	6.8	1.4	0.04	120	0.22	0.02	0.12
EAIELK1909139s		9.9	1.83	3.00	<0.05	0.11	0.01	0.017	0.06	7.9	2.0	0.04	114	0.22	0.02	0.14
EAIELK1909109s		5.9	1.50	2.37	<0.05	0.05	0.01	0.014	0.05	6.5	1.5	0.03	130	0.20	0.02	0.14
EAIELK1909160s		9.9	1.97	2.89	<0.05	0.11	0.01	0.015	0.06	8.7	1.8	0.03	171	0.29	0.02	0.17



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Sample Description	Method Analyte Units LOD	AuME-TL43 Ni ppm 0.2	AuME-TL43 P ppm 10	AuME-TL43 Pb ppm 0.2	AuME-TL43 Rb ppm 0.1	AuME-TL43 Re ppm 0.001	AuME-TL43 S % 0.01	AuME-TL43 Sb ppm 0.05	AuME-TL43 Sc ppm 0.1	AuME-TL43 Se ppm 0.2	AuME-TL43 Sn ppm 0.2	AuME-TL43 Sr ppm 0.2	AuME-TL43 Ta ppm 0.01	AuME-TL43 Te ppm 0.01	AuME-TL43 Th ppm 0.2	AuME-TL43 Ti % 0.005
EAIELK1905118s		3.7	90	5.4	6.9	<0.001	0.03	0.17	3.4	<0.2	0.8	4.8	<0.01	0.01	3.8	0.012
EAIELK1909139s		3.3	90	5.5	8.6	<0.001	0.03	0.10	2.8	<0.2	0.7	4.7	<0.01	0.01	4.6	0.017
EAIELK1909109s		2.9	100	5.4	6.9	<0.001	0.03	0.10	2.3	<0.2	0.6	3.9	<0.01	0.01	3.8	0.013
EAIELK1909160s		3.5	90	6.9	8.1	<0.001	0.03	0.12	3.2	<0.2	0.7	5.3	<0.01	0.01	4.2	0.014



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Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Ti	U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5
EAIELK1905118s		0.06	0.36	35	<0.05	5.82	6	4.8
EAIELK1909139s		0.06	0.36	35	<0.05	5.26	6	4.7
EAIELK1909109s		0.06	0.30	29	<0.05	4.08	7	2.5
EAIELK1909160s		0.07	0.42	34	<0.05	7.92	6	4.4



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	CERTIFICATE COMMENTS
	<p>LABORATORY ADDRESSES</p> <p>Processed at ALS Perth located at 31 Denninup Way, Malaga, Australia. Processed at ALS Perth Sample Preparation at 79 Distinction Road, Wangara, WA, Australia AuME-TL43</p> <p>Processed at ALS Adelaide located at Unit 1, 1 Burma Road, Pooraka, Adelaide, SA, Australia.</p>
Applies to Method:	
Applies to Method:	LEV-01 LOG-22 PUL-32 WEI-21