



Australian Laboratory Services Pty. Ltd.

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No: 825, Corporate Site No: 23001.

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Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: TODRIV

CERTIFICATE AD17164544

P.O. No.: TRR17-006

This report is for 105 Soil samples submitted to our lab in Adelaide, SA, Australia on 11-AUG-2017.

The following have access to data associated with this certificate:

PAUL BURTON
CATH WETHERBY

KIM GREY

GAVIN OTTO

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o Barcode
PUL-QC	Pulverizing QC Test
LEV-01	Waste Disposal Levy
PUL-23	Pulv Sample - Split/Retain
BAG-01	Bulk Master for Storage
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: TODD RIVER METALS
ATTN: CATH WETHERBY
LEVEL 1
282 ROKEBY ROAD
SUBIACO WA 6008

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 AD17164544

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
W17512		0.51	<0.5	6.80	5	220	1.6	<2	0.29	<0.5	29	4260	341	29.3	20	0.69
W17513		1.42	<0.5	7.75	5	1010	1.2	3	0.13	<0.5	26	4540	439	28.9	20	0.31
W17514		1.17	<0.5	9.17	<5	230	0.8	3	0.17	<0.5	19	4370	312	21.9	20	0.12
W17515		1.98	<0.5	7.85	<5	150	1.9	<2	0.15	<0.5	34	3780	544	28.6	20	0.13
W17516		1.28	<0.5	4.91	<5	140	2.2	<2	0.13	<0.5	66	3960	566	40.3	10	0.11
W17517		2.15	<0.5	6.57	<5	90	1.5	<2	0.13	<0.5	38	3450	493	31.1	20	0.09
W17518		1.66	<0.5	6.17	<5	120	1.5	<2	0.10	<0.5	99	3250	605	33.1	10	0.08
W17519		0.62	<0.5	5.25	<5	210	1.3	<2	0.09	<0.5	57	2580	478	33.9	10	0.07
W17520		2.29	<0.5	5.94	<5	200	1.2	<2	0.11	<0.5	53	2140	441	31.4	10	0.06
W17521		2.06	<0.5	3.31	<5	80	1.2	<2	0.26	<0.5	93	2490	536	27.1	10	0.08
W17522		1.88	<0.5	3.39	<5	50	0.8	<2	0.34	<0.5	97	2420	508	21.6	10	0.17
W17523		1.37	<0.5	3.01	<5	330	0.7	<2	1.84	0.8	89	2560	539	20.2	10	0.09
W17524		0.75	<0.5	3.73	<5	390	1.1	<2	2.01	0.6	75	2400	488	18.35	10	0.20
W17525		0.06	<0.5	16.45	20	50	<0.5	<2	0.02	<0.5	1	157	7	16.10	60	0.15
W17526		0.52	<0.5	3.58	<5	180	1.4	<2	0.73	0.6	97	2530	549	19.90	10	0.20
W17527		1.11	<0.5	3.03	<5	720	1.1	<2	3.78	0.6	104	2330	443	17.80	10	0.09
W17528		0.85	<0.5	4.06	<5	340	1.3	<2	0.65	<0.5	104	3410	488	23.5	10	0.09
W17529		0.87	<0.5	3.32	<5	610	2.1	<2	0.41	<0.5	170	3240	482	19.20	10	0.08
W17530		0.91	<0.5	2.45	<5	590	3.7	<2	2.15	<0.5	493	2680	501	16.50	<10	0.11
W17531		1.24	<0.5	2.00	<5	1500	5.1	<2	3.46	<0.5	1335	1720	508	14.35	<10	0.15
W17532		2.02	<0.5	2.03	<5	520	4.3	<2	5.45	0.7	696	2000	407	12.70	<10	0.13
W17533		4.70	<0.5	1.78	<5	300	4.4	<2	6.56	0.9	333	1760	239	11.85	<10	0.10
W17534		1.16	<0.5	1.48	<5	130	5.1	<2	8.83	0.7	204	1630	145	10.05	<10	0.09
W17535		2.18	<0.5	1.51	<5	110	5.8	<2	8.14	0.6	177	1750	115	10.65	<10	0.10
W17536		2.86	<0.5	1.46	<5	100	8.4	<2	6.42	0.7	146	2060	95	11.70	<10	0.11
W17537		1.67	<0.5	1.47	<5	80	9.8	<2	8.46	0.9	93	1970	86	11.20	<10	0.11
W17538		5.53	<0.5	1.39	<5	170	7.6	<2	7.89	1.0	158	1720	100	11.25	<10	0.10
W17539		6.50	<0.5	1.40	<5	180	7.2	<2	8.02	0.6	137	1740	126	11.35	<10	0.10
W17540		2.43	<0.5	1.41	<5	160	5.2	<2	7.59	0.7	130	1450	317	10.60	<10	0.10
W17541		4.27	<0.5	1.43	<5	100	5.3	<2	7.49	0.9	99	1660	303	11.20	<10	0.10
W17542		2.95	<0.5	1.53	<5	90	6.9	<2	8.02	1.0	88	2090	156	11.45	10	0.12
W17543		1.02	<0.5	1.47	<5	130	6.7	<2	7.32	1.0	120	1880	183	11.25	<10	0.12
W17544		2.77	<0.5	1.52	<5	120	6.7	<2	7.52	1.0	87	2140	221	11.70	<10	0.11
W17545		1.21	<0.5	1.50	<5	120	5.8	<2	7.66	1.0	124	1940	199	11.30	<10	0.10
W17546		1.77	<0.5	1.61	<5	80	8.5	<2	6.71	0.8	74	2490	226	12.70	<10	0.11
W17547		0.93	<0.5	1.60	<5	190	8.1	<2	6.50	1.0	75	2410	222	12.60	<10	0.10
W17548		1.03	<0.5	1.59	<5	140	5.6	<2	7.12	0.9	153	2010	201	11.90	<10	0.11
W17549		1.10	<0.5	1.57	<5	70	6.6	<2	6.71	1.0	72	2310	223	12.35	<10	0.11
W17550		0.05	<0.5	5.81	14	30	1.1	<2	1.76	<0.5	30	51	42	2.89	20	3.94
W17551		1.09	<0.5	1.53	<5	70	6.7	<2	6.70	1.0	102	2200	282	12.50	<10	0.11

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CERTIFICATE OF ANALYSIS AD17164544

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Ti
		ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 5	ppm 1	ppm 1	ppm 20	% 0.01	ppm 10
W17512		10	0.44	284	1	0.34	181	320	41	0.06	<5	148	44	<20	0.43	<10
W17513		10	0.21	230	1	0.08	251	230	20	0.05	<5	143	35	<20	0.56	<10
W17514		<10	0.25	213	1	0.06	153	190	13	0.04	<5	104	38	<20	0.71	<10
W17515		<10	0.22	225	1	0.07	191	280	20	0.05	<5	130	33	<20	0.65	10
W17516		10	0.15	808	1	0.06	249	300	17	0.06	<5	121	32	<20	0.40	10
W17517		<10	0.19	247	1	0.06	205	280	27	0.05	<5	121	36	<20	0.53	<10
W17518		<10	0.15	430	<1	0.07	311	220	19	0.05	<5	130	32	<20	0.44	<10
W17519		<10	0.14	454	<1	0.07	189	160	26	0.05	<5	123	39	<20	0.38	<10
W17520		<10	0.28	492	<1	0.09	192	130	15	0.03	<5	137	47	<20	0.43	<10
W17521		10	0.96	479	<1	0.20	569	60	9	0.02	<5	148	75	<20	0.38	<10
W17522		10	1.48	345	1	0.31	825	80	8	0.02	<5	149	95	<20	0.38	<10
W17523		10	1.71	355	1	0.30	818	30	7	0.03	<5	149	121	<20	0.34	<10
W17524		10	2.12	492	1	0.41	737	60	8	0.04	<5	159	130	<20	0.38	<10
W17525		<10	0.02	356	21	0.01	7	110	7	0.05	<5	8	4	60	0.88	<10
W17526		10	1.66	348	2	0.38	863	60	11	0.06	<5	169	114	<20	0.38	<10
W17527		10	1.72	392	1	0.31	720	30	9	0.07	<5	139	158	<20	0.33	<10
W17528		10	1.73	1550	1	0.32	754	50	40	0.05	<5	166	112	<20	0.40	10
W17529		90	2.04	3600	<1	0.35	855	90	11	0.04	<5	137	135	<20	0.35	<10
W17530		90	4.52	3690	<1	0.40	1030	100	<2	0.03	<5	111	129	<20	0.30	<10
W17531		160	5.46	10400	1	0.45	1400	120	9	0.02	<5	93	138	<20	0.25	<10
W17532		100	6.40	5290	1	0.39	936	70	9	0.01	<5	98	118	<20	0.26	<10
W17533		60	7.31	3810	1	0.33	638	60	6	0.01	<5	89	100	<20	0.23	<10
W17534		70	8.19	2410	1	0.30	483	90	2	<0.01	<5	80	91	<20	0.21	<10
W17535		80	7.64	2180	<1	0.33	505	100	5	<0.01	<5	80	99	<20	0.22	<10
W17536		50	6.41	1690	<1	0.36	581	100	5	0.01	<5	77	110	<20	0.21	<10
W17537		20	7.67	1410	<1	0.35	507	70	3	<0.01	<5	78	105	<20	0.21	<10
W17538		20	7.50	2730	1	0.33	495	50	<2	<0.01	<5	75	108	<20	0.21	<10
W17539		10	7.43	2780	<1	0.35	441	30	4	0.01	<5	76	113	<20	0.21	<10
W17540		10	7.35	2490	<1	0.36	478	40	6	<0.01	<5	77	113	<20	0.20	<10
W17541		10	7.28	1750	<1	0.37	515	30	4	<0.01	<5	78	116	<20	0.21	<10
W17542		10	7.46	1790	<1	0.40	490	70	2	0.01	<5	80	121	<20	0.22	<10
W17543		10	7.20	2160	1	0.40	505	60	8	0.01	<5	74	120	<20	0.21	<10
W17544		10	7.42	1420	1	0.41	521	50	8	0.01	<5	78	121	<20	0.22	<10
W17545		10	7.81	2500	<1	0.38	481	60	3	0.01	<5	77	114	<20	0.22	<10
W17546		10	7.43	1560	1	0.43	540	80	2	0.01	<5	85	122	<20	0.24	<10
W17547		10	7.25	1350	<1	0.43	531	50	3	0.02	<5	83	125	<20	0.24	<10
W17548		<10	7.25	3140	<1	0.44	543	40	7	0.02	<5	78	128	<20	0.22	<10
W17549		<10	6.94	1410	1	0.45	523	60	2	0.02	<5	80	120	<20	0.23	<10
W17550		<10	0.86	374	9	1.60	34	630	37	0.02	<5	9	78	<20	0.32	<10
W17551		<10	6.89	1510	1	0.44	548	80	2	0.02	<5	80	118	<20	0.23	<10

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CERTIFICATE OF ANALYSIS AD17164544

Sample Description	Method Analyte Units LOR	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2	Au-ICP22 Au ppm 0.001	PUL-QC Pass75um %
W17512		<10	620	<10	178	0.004	
W17513		<10	499	<10	91	0.002	
W17514		<10	291	<10	62	0.001	
W17515		<10	325	<10	86	0.002	
W17516		<10	312	<10	145	0.005	95.0
W17517		<10	406	<10	56	0.001	
W17518		<10	382	<10	108	0.002	
W17519		<10	391	<10	68	0.001	
W17520		<10	399	<10	63	0.001	
W17521		<10	303	<10	215	0.001	
W17522		<10	221	<10	404	<0.001	
W17523		<10	208	<10	276	0.004	
W17524		10	216	<10	1180	<0.001	
W17525		<10	438	<10	3	0.004	
W17526		<10	225	<10	368	0.001	
W17527		<10	177	<10	283	0.001	
W17528		<10	282	<10	248	<0.001	
W17529		<10	251	<10	205	<0.001	
W17530		<10	247	<10	208	0.001	
W17531		<10	340	<10	254	0.001	
W17532		<10	244	<10	262	0.002	
W17533		<10	202	<10	214	0.001	
W17534		<10	192	<10	170	<0.001	
W17535		<10	202	<10	137	<0.001	
W17536		<10	226	<10	143	0.001	
W17537		<10	258	<10	133	0.002	
W17538		<10	214	<10	122	<0.001	
W17539		<10	209	<10	115	0.001	
W17540		<10	206	<10	95	<0.001	
W17541		<10	203	<10	114	<0.001	
W17542		<10	257	<10	113	0.001	
W17543		<10	244	<10	248	0.003	
W17544		<10	252	<10	123	0.003	
W17545		<10	240	<10	117	0.001	
W17546		<10	293	<10	114	0.001	
W17547		<10	270	<10	130	0.001	
W17548		<10	210	<10	141	<0.001	
W17549		<10	250	<10	128	<0.001	
W17550		<10	71	<10	61	0.018	
W17551		<10	252	<10	109	0.001	



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01
W17552		1.10	<0.5	1.51	<5	160	4.9	<2	7.11	1.0	175	1670	331	12.05	<10	0.10
W17553		0.81	<0.5	1.52	<5	150	4.7	<2	6.41	0.9	150	1830	320	12.35	<10	0.10
W17554		1.10	<0.5	1.52	<5	150	4.7	<2	6.57	1.0	174	1690	331	12.80	<10	0.10
W17555		0.89	<0.5	1.51	<5	100	4.5	<2	6.14	0.9	108	1880	299	12.45	<10	0.10
W17556		0.61	<0.5	1.48	<5	90	4.1	3	8.12	0.6	135	1440	299	11.15	<10	0.09
W17557		1.26	<0.5	1.38	<5	70	3.2	<2	8.83	1.0	102	1470	237	10.65	<10	0.08
W17558		1.53	<0.5	1.36	<5	80	3.3	<2	7.19	1.1	165	1620	240	11.45	10	0.08
W17559		1.40	<0.5	1.25	<5	80	2.7	<2	6.85	0.8	132	1510	207	10.95	<10	0.07
W17560		1.64	<0.5	1.21	<5	30	2.1	<2	6.63	0.5	80	1480	164	10.35	<10	0.07
W17561		1.89	<0.5	1.30	<5	30	2.2	<2	9.09	0.8	93	1440	228	11.35	<10	0.05
W17562		1.76	<0.5	1.21	<5	30	1.7	<2	9.92	0.9	91	1480	197	10.40	<10	0.04
W17563		1.89	<0.5	1.17	<5	80	1.5	<2	7.98	0.6	131	1390	179	10.60	<10	0.05
W17566		3.65	<0.5	1.17	<5	30	<0.5	<2	9.33	0.7	95	958	180	9.05	<10	0.09
W17567		1.51	<0.5	1.14	<5	40	0.7	<2	9.08	0.5	100	1090	196	9.07	<10	0.07
W17568		2.98	<0.5	1.22	<5	40	0.7	<2	8.49	0.7	106	1080	215	9.62	<10	0.07
W17569		1.83	<0.5	1.16	<5	30	<0.5	<2	9.42	0.7	103	1030	218	9.45	<10	0.08
W17570		1.32	<0.5	1.13	<5	30	<0.5	<2	9.39	0.7	104	1090	307	9.45	<10	0.07
W17571		2.02	<0.5	1.13	<5	20	<0.5	<2	9.86	0.5	104	1210	228	9.48	<10	0.08
W17572		2.92	<0.5	1.12	<5	30	0.5	<2	9.56	0.5	105	1310	192	9.88	<10	0.07
W17573		3.87	<0.5	1.04	<5	20	<0.5	<2	9.56	0.5	100	1290	163	9.15	<10	0.06
W17574		3.08	<0.5	1.08	<5	20	<0.5	<2	9.57	<0.5	100	1260	186	9.25	<10	0.07
W17575		0.05	0.7	4.79	<5	10	1.2	<2	0.15	0.7	2	18	204	0.23	10	4.39
W17576		2.26	<0.5	0.99	<5	20	<0.5	<2	9.06	0.6	93	1280	137	9.08	<10	0.06
W17577		0.83	<0.5	1.06	<5	20	<0.5	<2	9.64	0.6	99	1270	156	9.43	<10	0.07
W17578		1.21	<0.5	1.07	<5	20	<0.5	<2	9.36	0.6	100	1260	164	9.41	<10	0.07
W17579		1.52	<0.5	1.20	<5	10	<0.5	<2	9.89	<0.5	86	1040	458	8.33	<10	0.07
W17580		1.61	<0.5	1.22	<5	20	<0.5	<2	9.54	0.6	75	1020	197	8.18	<10	0.07
W17581		1.99	<0.5	1.18	<5	20	<0.5	<2	9.39	<0.5	95	1230	147	9.38	<10	0.08
W17582		2.68	<0.5	1.15	<5	20	<0.5	<2	9.59	0.7	104	1310	166	10.00	<10	0.08
W17584		1.60	<0.5	1.25	<5	30	<0.5	<2	9.09	0.5	92	1130	172	9.33	<10	0.10
W17585		1.53	<0.5	1.23	<5	40	<0.5	<2	9.24	0.5	97	1170	165	9.52	<10	0.12
W17586		1.95	<0.5	1.21	<5	30	<0.5	<2	9.40	0.5	101	1170	209	9.48	<10	0.11
W17587		1.74	<0.5	1.28	<5	40	<0.5	<2	9.53	0.5	100	1060	225	9.43	<10	0.13
W17588		2.82	<0.5	1.52	<5	40	<0.5	<2	9.34	0.7	89	923	265	8.78	<10	0.16
W17589		1.60	<0.5	1.62	<5	40	<0.5	<2	8.17	<0.5	84	883	124	8.41	<10	0.17
W17590		1.85	<0.5	1.29	<5	30	<0.5	<2	5.39	<0.5	83	471	293	9.37	<10	0.13
W17591		1.25	<0.5	1.28	<5	20	<0.5	<2	5.74	<0.5	78	506	199	9.01	<10	0.12
W17592		1.51	<0.5	1.35	<5	20	<0.5	<2	6.56	<0.5	87	479	264	9.53	<10	0.10
W17593		1.37	<0.5	1.42	<5	20	<0.5	<2	7.52	0.8	90	476	203	9.28	<10	0.12
W17594		2.52	<0.5	1.57	<5	10	<0.5	<2	7.87	0.5	80	625	83	8.29	<10	0.11



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CERTIFICATE OF ANALYSIS AD17164544

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Ti
		ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 5	ppm 1	ppm 1	ppm 20	% 0.01	ppm 10
W17552		<10	7.39	4080	1	0.44	574	70	5	0.02	<5	79	131	<20	0.22	<10
W17553		<10	6.80	3450	1	0.45	587	70	2	0.03	<5	79	143	<20	0.22	<10
W17554		<10	7.15	3020	1	0.44	537	60	4	0.03	<5	82	128	<20	0.22	<10
W17555		<10	6.58	1710	1	0.45	559	70	4	0.03	<5	81	124	<20	0.22	<10
W17556		<10	8.11	2570	<1	0.40	408	60	<2	0.02	<5	80	103	<20	0.22	<10
W17557		<10	7.02	1800	1	0.38	395	60	7	0.02	<5	77	104	<20	0.21	<10
W17558		<10	6.39	2220	1	0.38	468	70	4	0.02	<5	76	110	<20	0.21	<10
W17559		<10	6.17	1920	1	0.36	434	60	3	0.02	<5	72	97	<20	0.19	<10
W17560		<10	6.32	994	<1	0.34	405	60	8	0.01	<5	70	80	<20	0.18	10
W17561		<10	9.09	1390	1	0.29	367	70	8	0.02	<5	72	84	<20	0.20	<10
W17562		<10	9.85	1740	<1	0.25	335	80	6	0.01	<5	73	61	<20	0.19	<10
W17563		<10	8.55	2380	1	0.30	396	120	4	0.02	<5	68	82	<20	0.19	<10
W17566		<10	12.30	1700	2	0.18	272	70	<2	0.18	<5	63	54	<20	0.17	<10
W17567		<10	11.75	1850	1	0.19	288	60	4	0.20	<5	63	56	<20	0.17	<10
W17568		<10	12.60	1900	1	0.18	290	80	2	0.15	<5	66	48	<20	0.18	<10
W17569		<10	13.05	1790	3	0.18	264	60	5	0.24	<5	66	43	<20	0.18	<10
W17570		<10	12.95	1830	2	0.17	326	50	<2	0.29	<5	65	43	<20	0.18	<10
W17571		<10	13.15	1770	4	0.18	341	50	5	0.23	<5	66	42	<20	0.18	<10
W17572		<10	13.35	1810	2	0.18	366	50	2	0.17	<5	65	43	<20	0.18	<10
W17573		<10	13.70	1720	3	0.15	347	40	7	0.18	<5	62	35	<20	0.17	<10
W17574		<10	13.50	1710	2	0.16	348	50	<2	0.20	<5	63	37	<20	0.17	<10
W17575		<10	0.06	50	<1	1.24	11	500	27	0.07	<5	1	22	<20	0.02	10
W17576		<10	13.65	1730	1	0.15	327	50	6	0.12	<5	60	32	<20	0.16	<10
W17577		<10	13.70	1760	3	0.16	345	50	5	0.16	<5	63	36	<20	0.17	<10
W17578		<10	13.40	1740	3	0.16	347	40	3	0.17	<5	61	37	<20	0.17	<10
W17579		<10	12.35	1640	2	0.16	319	50	5	0.35	<5	73	33	<20	0.19	<10
W17580		<10	12.65	1800	4	0.17	291	50	12	0.21	<5	72	34	<20	0.20	<10
W17581		<10	13.20	1810	4	0.17	341	30	4	0.17	6	64	37	<20	0.19	<10
W17582		<10	13.75	1820	2	0.18	360	50	4	0.17	<5	64	38	<20	0.18	<10
W17584		<10	13.05	1840	4	0.19	316	40	3	0.18	<5	64	40	<20	0.19	<10
W17585		<10	13.20	1780	5	0.19	362	60	2	0.18	<5	62	43	<20	0.18	<10
W17586		<10	13.20	1720	3	0.19	365	70	4	0.23	<5	62	44	<20	0.18	<10
W17587		<10	13.20	1730	3	0.20	382	60	7	0.24	<5	64	48	<20	0.18	<10
W17588		<10	12.60	1760	3	0.24	303	110	2	0.27	<5	67	54	<20	0.20	<10
W17589		<10	12.85	1770	2	0.26	261	80	6	0.13	<5	65	50	<20	0.21	<10
W17590		10	14.45	1970	1	0.19	96	60	7	0.32	<5	70	33	<20	0.17	<10
W17591		10	13.75	1990	<1	0.18	108	60	4	0.25	<5	67	29	<20	0.17	<10
W17592		<10	13.70	2110	1	0.17	95	60	6	0.49	<5	73	28	<20	0.18	<10
W17593		<10	12.60	1970	1	0.20	91	50	2	0.34	<5	80	33	<20	0.19	<10
W17594		<10	11.85	1840	1	0.21	119	50	<2	0.10	6	68	28	<20	0.19	<10



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Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-ICP22	PUL-QC
		U	V	W	Zn	Au	Pass75um
		ppm 10	ppm 1	ppm 10	ppm 2	ppm 0.001	% 0.01
W17552		<10	206	<10	113	<0.001	
W17553		<10	202	<10	106	<0.001	
W17554		<10	203	<10	99	<0.001	
W17555		<10	192	<10	97	0.002	
W17556		<10	198	<10	97	0.001	99.0
W17557		<10	188	<10	83	<0.001	
W17558		<10	195	<10	91	0.002	
W17559		<10	207	<10	87	0.002	
W17560		<10	198	<10	83	0.034	
W17561		<10	195	<10	104	0.009	
W17562		<10	207	<10	122	0.018	
W17563		<10	209	<10	97	0.004	
W17566		<10	195	<10	77	0.004	
W17567		<10	193	<10	83	0.003	
W17568		<10	199	<10	116	0.001	
W17569		<10	204	<10	88	0.002	
W17570		<10	201	<10	87	0.002	
W17571		<10	208	<10	95	0.002	
W17572		<10	201	<10	108	0.002	
W17573		<10	197	<10	84	0.001	
W17574		<10	194	<10	83	0.001	
W17575		<10	3	<10	320	0.355	
W17576		<10	188	<10	126	0.003	
W17577		<10	203	<10	99	0.001	
W17578		<10	198	<10	87	0.001	
W17579		<10	249	<10	78	0.004	
W17580		<10	241	<10	83	0.002	
W17581		<10	215	<10	89	0.001	
W17582		<10	216	<10	108	0.003	
W17584		<10	217	<10	88	0.001	
W17585		<10	203	<10	91	0.001	
W17586		<10	205	<10	88	0.001	
W17587		<10	207	<10	87	0.002	
W17588		<10	213	<10	98	0.002	
W17589		<10	223	<10	68	0.003	
W17590		<10	230	<10	67	0.001	
W17591		<10	221	<10	68	0.002	
W17592		<10	239	<10	66	0.001	
W17593		<10	258	<10	58	0.001	
W17594		<10	224	<10	89	0.001	



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CERTIFICATE OF ANALYSIS AD17164544

CERTIFICATE COMMENTS

ACCREDITATION COMMENTS

Applies to Method:

NATA Accredited. Corporate Accreditation No: 825, Corporate Site No: 23001. The Technical Signatory is Wendy Wong, Senior QC Chemist.
Au-ICP22 ME-ICP61

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-ICP22 ME-ICP61

Applies to Method:

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

LOG-24
WEI-21