



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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CERTIFICATE BR04072362

Project: Kulgera

P.O. No.: K001

This report is for 25 Soil samples submitted to our lab in Brisbane, Queensland, Australia on 25-OCT-2004.

The following have access to data associated with this certificate:

MARK DUGMORE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-41	Screen to -180um and save both
LEV-01	Waste Disposal Levy

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-CN12	BLEG on 1 to 3Kg - bottle roll	ICP-MS
ME-ICP41s	Up to 34 Element AR - ICP-AES	ICP-AES

To: **GEODISCOVERY GROUP**
ATTN: MARK DUGMORE
PO BOX 59
SHERWOOD QLD 4075

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.

Signature: 



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Sample Description	Method Analyte Units LOR	WEI-21	Au-CN12	Au-CN12	Au-CN12	Au-CN12	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s
		Recvd Wt. kq	Au ppm	Aq ppm	Cu ppm	Pd ppm	Aq ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm
B55/1		5.76	0.0002	<0.001	0.39	<0.001	<0.2	0.51	<2	<10	30	<0.5	<2	0.11	<0.5	3
B55/2		6.47	0.0001	<0.001	0.27	<0.001	<0.2	0.54	<2	<10	30	<0.5	<2	0.24	<0.5	4
B55/3		6.26	0.0001	<0.001	0.38	<0.001	<0.2	0.41	<2	<10	20	<0.5	<2	0.09	<0.5	3
B55/4		7.20	0.0001	<0.001	0.36	<0.001	<0.2	0.43	<2	<10	30	<0.5	<2	0.09	<0.5	5
B55/5		6.11	0.0001	<0.001	0.39	<0.001	<0.2	0.34	<2	<10	40	<0.5	<2	0.04	<0.5	4
B55/6		5.95	0.0001	<0.001	0.22	<0.001	<0.2	0.54	<2	<10	60	<0.5	<2	0.08	<0.5	3
B55/7		6.57	0.0001	<0.001	0.27	<0.001	<0.2	0.57	<2	<10	40	<0.5	<2	0.08	<0.5	5
B55/8		5.79	<0.0001	<0.001	0.21	<0.001	<0.2	0.59	<2	<10	50	0.5	<2	0.11	<0.5	5
B55/9		6.99	0.0002	<0.001	0.40	<0.001	<0.2	0.34	<2	<10	30	<0.5	<2	0.07	<0.5	11
B55/10		6.79	0.0001	<0.001	0.31	<0.001	0.2	0.42	<2	<10	30	<0.5	<2	0.07	<0.5	9
B55/11		5.96	0.0001	<0.001	0.50	<0.001	<0.2	0.64	<2	<10	40	<0.5	<2	0.13	<0.5	4
B55/12		7.13	0.0001	<0.001	0.37	<0.001	<0.2	0.56	<2	<10	20	<0.5	<2	0.06	<0.5	5
B55/13		6.95	<0.0001	<0.001	0.31	<0.001	<0.2	0.39	<2	<10	30	<0.5	<2	0.05	<0.5	8
B55/14		6.70	<0.0001	<0.001	0.36	<0.001	<0.2	0.51	<2	<10	20	<0.5	<2	0.06	<0.5	5
B55/15		6.75	0.0001	<0.001	0.36	<0.001	<0.2	0.43	<2	<10	20	<0.5	<2	0.04	<0.5	6
B55/16		6.64	<0.0001	<0.001	0.19	<0.001	<0.2	0.82	<2	<10	50	<0.5	<2	0.19	<0.5	5
B55/17		5.87	<0.0001	<0.001	0.43	<0.001	<0.2	0.76	<2	<10	40	<0.5	<2	0.15	<0.5	5
B55/18		7.42	<0.0001	<0.001	0.32	<0.001	<0.2	0.60	<2	<10	40	0.5	<2	0.16	<0.5	4
B55/19		5.99	<0.0001	<0.001	0.21	<0.001	<0.2	0.62	<2	<10	40	0.5	<2	0.18	<0.5	6
B55/20		6.08	<0.0001	<0.001	0.31	<0.001	<0.2	0.42	<2	<10	40	<0.5	<2	0.11	<0.5	2
B55/21		5.76	<0.0001	<0.001	0.30	<0.001	<0.2	0.51	<2	<10	30	<0.5	<2	0.25	<0.5	7
B55/22		6.51	0.0001	<0.001	0.36	<0.001	<0.2	0.53	<2	<10	40	<0.5	<2	0.11	<0.5	3
V60/1		6.99	<0.0001	<0.001	0.31	<0.001	<0.2	0.61	<2	<10	120	<0.5	<2	0.50	0.9	15
V60/2		7.16	0.0001	<0.001	0.31	<0.001	<0.2	0.72	<2	<10	130	0.5	<2	1.10	<0.5	15
V60/3		6.84	0.0001	<0.001	0.39	<0.001	<0.2	1.14	<2	<10	130	0.5	<2	1.14	<0.5	13



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Project: Kulgera

CERTIFICATE OF ANALYSIS BR04072362

Sample Description	Method Analyte Units LOR	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	ME-ICP41s	
		Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S
		ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%
		1	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01
B55/1		22	8	3.24	<10	<1	0.10	20	0.10	140	<1	0.01	4	270	6	<0.01
B55/2		28	8	4.46	<10	<1	0.10	20	0.12	170	<1	0.01	5	310	7	<0.01
B55/3		26	7	2.63	<10	<1	0.09	20	0.08	112	<1	<0.01	4	230	6	<0.01
B55/4		33	9	5.53	<10	<1	0.09	30	0.07	177	<1	<0.01	6	290	9	<0.01
B55/5		32	7	4.10	<10	<1	0.06	30	0.04	152	<1	<0.01	4	120	6	<0.01
B55/6		24	7	2.65	<10	<1	0.11	10	0.09	133	<1	<0.01	5	140	7	<0.01
B55/7		32	7	6.47	<10	<1	0.09	30	0.09	227	1	0.01	5	160	9	<0.01
B55/8		25	9	5.87	<10	<1	0.12	30	0.10	244	<1	<0.01	6	310	7	<0.01
B55/9		143	11	13.85	10	<1	0.06	50	0.05	256	<1	0.01	11	270	12	<0.01
B55/10		111	9	11.30	10	<1	0.09	70	0.07	267	1	0.01	12	280	11	<0.01
B55/11		29	10	3.25	<10	<1	0.15	20	0.14	156	<1	0.01	7	310	7	<0.01
B55/12		77	8	6.46	10	<1	0.09	20	0.06	180	<1	<0.01	7	180	8	<0.01
B55/13		133	9	8.86	10	<1	0.06	30	0.05	215	<1	0.01	11	180	9	<0.01
B55/14		47	8	4.16	<10	<1	0.08	10	0.05	190	<1	<0.01	6	150	7	<0.01
B55/15		60	6	8.39	10	<1	0.05	20	0.03	171	<1	<0.01	7	140	7	<0.01
B55/16		37	13	3.84	<10	<1	0.17	20	0.15	171	<1	0.01	11	250	8	<0.01
B55/17		22	10	3.19	<10	<1	0.18	30	0.17	193	<1	0.01	5	340	6	<0.01
B55/18		27	7	4.65	<10	1	0.10	20	0.12	174	<1	<0.01	5	140	7	<0.01
B55/19		32	10	6.02	<10	<1	0.13	30	0.13	221	<1	0.01	6	460	8	<0.01
B55/20		13	6	1.35	<10	<1	0.08	10	0.08	129	<1	<0.01	4	170	4	<0.01
B55/21		31	11	7.77	10	<1	0.12	20	0.14	234	<1	0.02	5	520	8	<0.01
B55/22		18	6	2.73	<10	1	0.11	20	0.11	150	<1	<0.01	4	260	6	<0.01
V60/1		80	10	15.55	20	<1	0.07	20	0.12	240	1	0.01	18	1970	6	0.01
V60/2		66	11	17.30	20	1	0.07	20	0.11	316	1	0.01	16	1800	6	0.01
V60/3		57	12	14.20	20	<1	0.10	30	0.18	319	<1	0.02	18	3110	10	0.01



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	Analyte	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	Units LOR	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		2	1	1	0.01	10	10	1	10	2
B55/1		<2	2	11	0.03	<10	<10	83	<10	16
B55/2		<2	2	18	0.04	<10	<10	109	<10	18
B55/3		<2	2	11	0.03	<10	<10	73	<10	19
B55/4		<2	2	11	0.04	<10	<10	144	<10	20
B55/5		<2	2	8	0.03	<10	<10	108	<10	17
B55/6		<2	2	13	0.03	<10	<10	69	<10	18
B55/7		<2	3	17	0.03	<10	<10	158	<10	36
B55/8		<2	3	17	0.03	<10	<10	141	<10	33
B55/9		<2	2	11	0.04	<10	<10	425	<10	29
B55/10		<2	2	14	0.05	<10	<10	338	<10	27
B55/11		<2	2	15	0.04	<10	<10	86	<10	20
B55/12		<2	2	11	0.04	<10	<10	187	<10	18
B55/13		<2	2	8	0.04	<10	<10	250	<10	20
B55/14		<2	2	9	0.04	<10	<10	119	<10	16
B55/15		<2	2	7	0.04	<10	<10	246	<10	15
B55/16		<2	3	17	0.03	<10	<10	104	<10	31
B55/17		<2	3	16	0.04	<10	<10	77	<10	22
B55/18		<2	2	14	0.03	<10	<10	119	<10	20
B55/19		<2	2	13	0.04	<10	<10	155	<10	24
B55/20		<2	2	11	0.02	<10	<10	29	<10	14
B55/21		<2	2	19	0.04	<10	<10	193	<10	24
B55/22		<2	2	11	0.03	<10	<10	63	<10	18
V60/1		<2	4	35	0.05	<10	<10	375	<10	31
V60/2		<2	4	19	0.06	<10	<10	402	<10	47
V60/3		<2	5	42	0.05	<10	<10	302	<10	41