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Level 1, 26 Greenhill Road
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FINAL ANALYSIS REPORT

Your Order No:	LE121121	Our Job Number:	2DN0241
Sample rec'd:	26/11/12	Results reported:	23/01/13
No. of samples:	39	Type of Sample:	HQ AND NQ CORE

Results apply to sample(s) submitted by the client.

Report comprises a letter and report pages: 1 to 7

This report supersedes any preliminary results previously reported.

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Approved:

Darryl Hartley
Business Unit Manager
Adelaide Geoanalytical

Robert Silvani
Senior Chemist

Neville Walkom
Senior Chemist

Report Codes:

N.A. - Not Available
L.N.R. - Listed But Not Received

I.S. - Insufficient Sample
R.N.L. - Received But Not Listed

Please Note

- 1) The results for elements 'Al, Ba, Cr, Ti, W, Zr, Sn' by code IC3E digest are acid soluble only, and results may be semi-quantative. 'K' values > 1% by code IC3E may bias low due to the insolubility of potassium perchlorate.
- 2) For scheme IC4, Total 'Fe' is analysed but is calculated and reported as 'Fe2O3'.

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SAMPLE	Au	Ag	As	Ba	Bi	Cd	Ce
120470	2	0.10	<0.5	22	<0.1	0.5	65
120471	4	0.10	<0.5	30	<0.1	0.1	60
120472	2	<0.05	<0.5	36	<0.1	<0.1	60
120473	1	<0.05	<0.5	24	<0.1	<0.1	55
120474	<1	<0.05	<0.5	20	<0.1	<0.1	55
120475	2	0.10	<0.5	23	<0.1	<0.1	65
120476	1	0.05	0.5	23	0.3	<0.1	55
120477	<1	0.10	<0.5	26	<0.1	<0.1	60
120478	4	0.10	0.5	18	<0.1	<0.1	60
120479	2	0.10	<0.5	22	<0.1	<0.1	55
120480	2	0.05	0.5	22	<0.1	<0.1	55
120481	1	<0.05	<0.5	22	<0.1	<0.1	55
120482	3	0.10	0.5	20	<0.1	<0.1	55
120490	1	0.10	<0.5	34	<0.1	<0.1	50
120491	<1	<0.05	<0.5	36	<0.1	<0.1	46.0
120494	1	0.10	<0.5	28	<0.1	<0.1	43.5
120495	1	<0.05	<0.5	26	<0.1	<0.1	42.0
120496	1	0.20	<0.5	28	<0.1	<0.1	46.5
120497	1	0.10	<0.5	28	<0.1	<0.1	50
120498	<1	0.05	<0.5	24	<0.1	<0.1	55
120499	2	0.05	<0.5	20	<0.1	<0.1	55
120500	<1	0.10	<0.5	27	<0.1	0.1	55
120503	1	0.10	<0.5	19	<0.1	<0.1	55
120504	2	0.15	<0.5	23	0.1	<0.1	55
120510	1100	16.0	285	10	10.0	0.8	9.5
120511	6	0.15	1.0	20	0.1	<0.1	55
120512	4	0.30	1.5	25	0.2	<0.1	60
120513	3	1.00	<0.5	18	0.1	<0.1	46.0
120514	2	0.15	<0.5	25	<0.1	<0.1	43.0
120515	2	0.05	<0.5	20	<0.1	<0.1	44.0
120516	2	0.10	<0.5	24	<0.1	<0.1	46.5
120517	2	0.10	<0.5	21	<0.1	<0.1	44.0
120518	2	0.25	<0.5	26	<0.1	<0.1	42.5
120519	<1	0.10	<0.5	17	<0.1	<0.1	36.5
120520	1	0.20	<0.5	31	<0.1	<0.1	40.0
120521	1	0.20	<0.5	31	<0.1	0.4	46.0
120522	1	0.50	0.5	34	<0.1	0.2	49.5
120661	1	0.40	1.0	29	<0.1	0.3	44.5
120667	2000	5.0	6.0	20	0.9	1.3	6.5

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SAMPLE	Co	Cs	Cu	Dy	Er	Eu	Ga
120470	43.5	0.6	28	<10	<10	<2	18.5
120471	45.0	0.4	45	<10	<10	<2	16.0
120472	30.5	0.6	25	<10	<10	<2	10.0
120473	32.5	0.5	12	<10	<10	<2	10.5
120474	28.5	0.5	12	<10	<10	<2	9.5
120475	27.5	0.5	10	<10	<10	<2	9.0
120476	29.0	1.1	7	<10	<10	<2	9.0
120477	30.5	0.6	11	<10	<10	<2	9.5
120478	28.0	0.5	120	<10	<10	<2	9.5
120479	28.5	0.5	80	<10	<10	<2	10.5
120480	28.5	0.5	33	<10	<10	<2	10.5
120481	26.0	0.4	38	<10	<10	<2	10.0
120482	28.0	0.5	36	<10	<10	<2	10.5
120490	31.5	1.0	29	<10	<10	<2	10.0
120491	28.5	0.9	3	<10	<10	<2	9.5
120494	29.5	1.0	22	<10	<10	<2	9.5
120495	29.0	1.0	21	<10	<10	<2	9.5
120496	30.0	1.1	37	<10	<10	<2	9.0
120497	27.5	0.8	34	<10	<10	<2	8.0
120498	31.0	1.2	39	<10	<10	<2	9.5
120499	31.5	0.9	33	<10	<10	<2	10.0
120500	30.0	0.4	39	<10	<10	<2	9.5
120503	35.5	0.8	41	<10	<10	<2	11.0
120504	34.5	0.7	46	<10	<10	<2	9.5
120510	11.0	0.1	110	<10	<10	<2	6.5
120511	35.0	0.7	38	<10	<10	<2	10.0
120512	38.0	0.9	37	<10	<10	<2	11.5
120513	30.5	0.2	70	<10	<10	<2	14.5
120514	28.0	0.2	115	<10	<10	<2	11.5
120515	27.5	0.3	65	<10	<10	<2	9.5
120516	27.0	0.4	70	<10	<10	<2	9.0
120517	24.5	0.4	60	<10	<10	<2	8.0
120518	25.0	0.5	46	<10	<10	<2	9.0
120519	22.5	0.7	29	<10	<10	<2	7.5
120520	22.0	0.5	24	<10	<10	<2	8.5
120521	22.0	0.5	27	<10	<10	<2	9.0
120522	24.5	0.9	50	<10	<10	<2	10.0
120661	22.5	0.8	46	<10	<10	<2	9.0
120667	23.0	0.3	440	<10	<10	<2	10.5

UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	0.2	0.1	1	10	10	2	0.1
SCHEME	ARM40M	ARM40M	ARM40M	ARM40M	ARM40M	ARM40M	ARM40M
UPPER SCHEME	ARM40					ARM40	

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SAMPLE	Gd	Hg	Ho	In	La	Lu	Mo
120470	5	< 0.5	< 5	< 0.5	31.5	< 5	0.8
120471	5	< 0.5	< 5	< 0.5	28.0	< 5	0.8
120472	5	< 0.5	< 5	< 0.5	28.0	< 5	0.8
120473	5	< 0.5	< 5	< 0.5	26.5	< 5	0.6
120474	5	< 0.5	< 5	< 0.5	28.0	< 5	0.6
120475	5	< 0.5	< 5	< 0.5	30.0	< 5	0.8
120476	5	< 0.5	< 5	< 0.5	28.0	< 5	0.8
120477	5	< 0.5	< 5	< 0.5	28.0	< 5	0.8
120478	5	< 0.5	< 5	< 0.5	28.5	< 5	0.8
120479	5	< 0.5	< 5	< 0.5	27.0	< 5	0.8
120480	5	< 0.5	< 5	< 0.5	28.0	< 5	1.0
120481	5	< 0.5	< 5	< 0.5	25.0	< 5	0.8
120482	5	< 0.5	< 5	< 0.5	27.5	< 5	0.8
120490	5	< 0.5	< 5	< 0.5	23.5	< 5	0.8
120491	< 5	< 0.5	< 5	< 0.5	21.5	< 5	0.6
120494	< 5	< 0.5	< 5	< 0.5	20.5	< 5	0.8
120495	< 5	< 0.5	< 5	< 0.5	20.0	< 5	0.6
120496	< 5	< 0.5	< 5	< 0.5	22.0	< 5	0.8
120497	5	< 0.5	< 5	< 0.5	24.0	< 5	0.6
120498	5	< 0.5	< 5	< 0.5	25.5	< 5	0.8
120499	5	< 0.5	< 5	< 0.5	26.5	< 5	0.6
120500	5	< 0.5	< 5	< 0.5	26.5	< 5	0.8
120503	5	< 0.5	< 5	< 0.5	25.5	< 5	0.8
120504	5	< 0.5	< 5	< 0.5	25.5	< 5	1.0
120510	< 5	0.5	< 5	< 0.5	4.8	< 5	4.6
120511	5	< 0.5	< 5	< 0.5	26.5	< 5	1.0
120512	5	< 0.5	< 5	< 0.5	28.5	< 5	1.0
120513	< 5	< 0.5	< 5	< 0.5	21.5	< 5	0.8
120514	5	< 0.5	< 5	< 0.5	20.0	< 5	0.6
120515	5	< 0.5	< 5	< 0.5	20.5	< 5	0.6
120516	< 5	< 0.5	< 5	< 0.5	21.0	< 5	0.6
120517	< 5	< 0.5	< 5	< 0.5	20.0	< 5	0.6
120518	< 5	< 0.5	< 5	< 0.5	20.0	< 5	0.6
120519	< 5	< 0.5	< 5	< 0.5	17.5	< 5	0.4
120520	< 5	< 0.5	< 5	< 0.5	19.0	< 5	0.6
120521	< 5	< 0.5	< 5	< 0.5	22.0	< 5	0.8
120522	< 5	< 0.5	< 5	< 0.5	23.5	< 5	1.0
120661	< 5	< 0.5	< 5	< 0.5	21.0	< 5	0.8
120667	< 5	< 0.5	< 5	< 0.5	2.8	< 5	21.5

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SAMPLE	Nd	Ni	Pr	Pt	Rb	Ru	Sb
120470	25	21	5	<0.01	4.6	<5	<0.1
120471	20	22	<5	<0.01	4.4	<5	<0.1
120472	20	16	<5	<0.01	6.0	<5	<0.1
120473	20	16	<5	<0.01	4.1	<5	<0.1
120474	20	15	<5	<0.01	3.7	<5	<0.1
120475	20	14	5	<0.01	3.6	<5	<0.1
120476	20	14	<5	<0.01	4.9	<5	<0.1
120477	20	13	<5	<0.01	2.8	<5	<0.1
120478	20	11	<5	<0.01	2.0	<5	<0.1
120479	20	13	<5	<0.01	2.9	<5	<0.1
120480	20	12	<5	<0.01	3.0	<5	<0.1
120481	20	11	<5	<0.01	3.1	<5	<0.1
120482	20	12	<5	<0.01	2.8	<5	<0.1
120490	20	20	<5	<0.01	3.1	<5	<0.1
120491	15	19	<5	<0.01	3.9	<5	<0.1
120494	15	19	<5	<0.01	3.0	<5	<0.1
120495	15	18	<5	<0.01	2.7	<5	<0.1
120496	15	17	<5	<0.01	2.9	<5	<0.1
120497	20	15	<5	<0.01	2.4	<5	<0.1
120498	20	16	<5	<0.01	2.9	<5	<0.1
120499	20	16	<5	<0.01	2.6	<5	<0.1
120500	20	15	<5	<0.01	2.6	<5	<0.1
120503	20	16	<5	<0.01	2.5	<5	<0.1
120504	20	16	<5	<0.01	3.0	<5	<0.1
120510	<10	39	<5	<0.01	1.2	<5	44.0
120511	20	16	<5	<0.01	2.7	<5	<0.1
120512	20	17	<5	<0.01	3.9	<5	<0.1
120513	15	36	<5	<0.01	3.7	<5	<0.1
120514	15	33	<5	<0.01	5.5	<5	<0.1
120515	20	33	<5	<0.01	4.2	<5	<0.1
120516	20	32	<5	<0.01	5.5	<5	<0.1
120517	15	30	<5	<0.01	2.6	<5	<0.1
120518	15	31	<5	<0.01	3.2	<5	<0.1
120519	15	29	<5	<0.01	2.8	<5	<0.1
120520	15	30	<5	<0.01	4.0	<5	<0.1
120521	15	31	<5	<0.01	3.3	<5	<0.1
120522	20	31	<5	<0.01	4.3	<5	<0.1
120661	15	29	<5	<0.01	3.7	<5	<0.1
120667	<10	23	<5	<0.01	2.3	<5	6.5

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SAMPLE	Sc	Se	Sm	Sn	Sr	Tb	Te
120470	29.0	<0.5	<10	2	24	<5	<0.2
120471	34.5	<0.5	<10	2	23	<5	<0.2
120472	18.0	<0.5	<10	2	25	<5	<0.2
120473	13.5	<0.5	<10	2	24	<5	<0.2
120474	7.0	<0.5	<10	1	38	<5	<0.2
120475	6.5	<0.5	<10	2	32	<5	<0.2
120476	6.5	<0.5	<10	2	30	<5	<0.2
120477	5.0	<0.5	<10	2	33	<5	<0.2
120478	6.0	<0.5	<10	2	23	<5	<0.2
120479	6.0	<0.5	<10	2	26	<5	<0.2
120480	5.0	<0.5	<10	2	22	<5	<0.2
120481	5.5	<0.5	<10	2	22	<5	<0.2
120482	5.5	<0.5	<10	2	22	<5	<0.2
120490	5.5	<0.5	<10	2	44	<5	<0.2
120491	5.0	<0.5	<10	1	38	<5	<0.2
120494	4.5	<0.5	<10	1	31	<5	<0.2
120495	4.5	<0.5	<10	1	30	<5	<0.2
120496	5.0	<0.5	<10	2	31	<5	<0.2
120497	5.0	<0.5	<10	2	39	<5	<0.2
120498	8.0	<0.5	<10	2	28	<5	<0.2
120499	8.0	<0.5	<10	2	26	<5	<0.2
120500	6.5	<0.5	<10	2	41	<5	<0.2
120503	10.0	<0.5	<10	2	26	<5	<0.2
120504	10.0	<0.5	<10	2	29	<5	<0.2
120510	1.5	6.5	<10	2	55	<5	8.5
120511	10.5	<0.5	<10	2	27	<5	<0.2
120512	13.5	<0.5	<10	2	26	<5	<0.2
120513	20.5	<0.5	<10	2	25	<5	<0.2
120514	13.5	<0.5	<10	2	25	<5	<0.2
120515	8.0	<0.5	<10	2	28	<5	<0.2
120516	7.0	<0.5	<10	2	36	<5	<0.2
120517	7.5	<0.5	<10	1	48	<5	<0.2
120518	7.0	<0.5	<10	1	55	<5	<0.2
120519	5.0	<0.5	<10	1	31	<5	<0.2
120520	6.5	<0.5	<10	1	55	<5	<0.2
120521	10.5	<0.5	<10	1	70	<5	<0.2
120522	16.0	<0.5	<10	1	80	<5	<0.2
120661	14.0	<0.5	<10	1	70	<5	<0.2
120667	6.5	13.0	<10	33	4	<5	12.0

UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	0.5	0.5	10	1	1	5	0.2
SCHEME	ARM40M	ARM40M	ARM40M	ARM40M	ARM40M	ARM40M	ARM40M
UPPER SCHEME	ARM40	ARM40		ARM40	ARM40		

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SAMPLE	Th	Tl	Tm	U	W	Y	Zn
120470	7.5	<0.1	<5	1.35	<0.5	25.0	130
120471	6.5	<0.1	<5	1.20	<0.5	25.5	140
120472	8.5	<0.1	<5	1.20	<0.5	30.5	150
120473	8.0	<0.1	<5	1.40	<0.5	26.5	65
120474	8.5	<0.1	<5	1.55	<0.5	22.5	47
120475	10.0	<0.1	<5	1.75	<0.5	24.0	40
120476	9.5	<0.1	<5	1.60	<0.5	23.5	40
120477	9.5	<0.1	<5	1.70	<0.5	22.0	80
120478	10.5	<0.1	<5	1.80	<0.5	24.0	175
120479	9.5	<0.1	<5	1.65	<0.5	21.0	170
120480	10.0	<0.1	<5	1.80	<0.5	22.0	105
120481	10.0	<0.1	<5	1.65	<0.5	22.0	85
120482	11.0	<0.1	<5	1.85	<0.5	23.5	135
120490	9.5	<0.1	<5	1.55	<0.5	21.5	95
120491	8.0	<0.1	<5	1.35	<0.5	19.0	60
120494	8.0	<0.1	<5	1.40	<0.5	17.5	100
120495	8.0	<0.1	<5	1.40	<0.5	17.5	100
120496	9.0	<0.1	<5	1.55	<0.5	18.5	85
120497	10.0	<0.1	<5	1.55	<0.5	19.0	85
120498	10.5	<0.1	<5	1.65	<0.5	22.5	130
120499	10.0	<0.1	<5	1.70	<0.5	24.0	110
120500	10.5	<0.1	<5	1.65	<0.5	22.0	90
120503	10.5	<0.1	<5	1.65	<0.5	24.5	42
120504	9.5	<0.1	<5	1.55	<0.5	24.5	110
120510	0.85	0.5	<5	0.25	2.5	3.9	75
120511	9.0	<0.1	<5	1.50	<0.5	27.0	95
120512	9.0	0.1	<5	1.40	<0.5	29.5	155
120513	7.5	<0.1	<5	1.60	<0.5	21.5	85
120514	8.0	<0.1	<5	1.55	<0.5	21.5	95
120515	7.5	<0.1	<5	1.65	<0.5	19.5	90
120516	9.0	<0.1	<5	1.70	<0.5	19.5	80
120517	9.5	<0.1	<5	1.65	<0.5	20.0	60
120518	9.0	<0.1	<5	1.65	<0.5	18.5	55
120519	7.5	<0.1	<5	1.40	<0.5	15.0	55
120520	8.5	<0.1	<5	1.50	<0.5	14.5	49
120521	9.5	<0.1	<5	1.60	<0.5	17.0	55
120522	9.0	<0.1	<5	1.60	<0.5	18.0	75
120661	8.0	<0.1	<5	1.40	<0.5	16.5	70
120667	6.0	<0.1	<5	1.90	<0.5	2.0	2010

UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	0.05	0.1	5	0.05	0.5	0.05	1
SCHEME	ARM40M	ARM40M	ARM40M	ARM40M	ARM40M	ARM40M	ARM40M
UPPER SCHEME	ARM40				ARM40		

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SAMPLE	Pb	Zr
120470	8.5	4.0
120471	4.0	19.5
120472	5.0	22.5
120473	5.0	14.0
120474	6.0	8.5
120475	5.0	6.0
120476	6.0	7.5
120477	6.5	10.5
120478	4.0	23.5
120479	3.5	15.5
120480	4.0	9.5
120481	3.5	4.5
120482	4.0	9.5
120490	3.5	18.5
120491	4.5	11.0
120494	4.0	16.0
120495	3.5	19.0
120496	3.5	23.0
120497	2.5	26.5
120498	3.0	22.0
120499	3.5	15.0
120500	5.0	16.5
120503	11.0	10.0
120504	4.0	14.5
120510	160	4.0
120511	7.0	19.5
120512	8.0	29.5
120513	3.0	17.5
120514	3.5	22.0
120515	4.5	21.0
120516	11.5	19.0
120517	2.0	20.0
120518	1.5	13.5
120519	1.5	6.0
120520	2.0	11.5
120521	4.5	1.0
120522	2.5	0.5
120661	3.5	1.5
120667	135	10.5

UNITS	ppm	ppm
DET.LIM	0.5	0.5
SCHEME	ARM40	ARM40M
UPPER SCHEME		ARM40