



**BUREAU
VERITAS**

Bureau Veritas Minerals Pty Ltd

MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

35 Cormack Road
Wingfield SA 5013

Telephone (08) 8416 5200
Facsimile (08) 8234 0355

Reference: **aa077891.a**
Date Finished: 11/05/2026
Order:
Project: Oonagalabi
Date Received: 25/03/2026
Type of Sample: Core
Samples Analysed: **154**

FINAL ANALYSIS REPORT

Analysis of Mineral Samples
for
Litchfield Minerals Ltd
Suite 606, 10 Market Street Brisbane QLD 4000

Attention: Mr Matthew Pustahya

Bureau Veritas Minerals Pty Ltd has carried out the preparation and analysis of samples to the best of its ability and with due regard to the importance of all samples submitted. However, in the event of default by Bureau Veritas Minerals Pty Ltd in providing services as defined by contracts, Bureau Veritas Minerals Pty Ltd shall have no other liability for any negligent act, default, omission or breach of such contract. The liability of our company is limited by our General Terms and Conditions of Service. At all times, the results of analysis must be interpreted as pertaining to the samples as they were received at the laboratory. Where applicable, information describing the submitted sample/s has been supplied by the client or associated third party.

Authorised By:

Vaughn Noble
Senior Chemist

Fabian Gregus
Chemist

Michael Grieger
Chemist

Chris Faulkner
Laboratory Manager



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
BLANK 1	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444510	0.2	1.90%	2	34	<0.5	0.2	1600	<0.5
SIX0444511	<0.2	2.96%	<1	70	0.5	0.7	9400	0.5
SIX0444512	<0.2	6.37%	<1	604	2.0	0.2	8700	<0.5
SIX0444513	0.2	6.91%	<1	676	1.5	0.2	1.67%	<0.5
SIX0444514	0.2	6.48%	1	792	2.0	0.2	9900	<0.5
SIX0444515	0.4	6.46%	<1	698	2.0	0.5	1.54%	<0.5
SIX0444516	1.2	8.10%	<1	324	1.5	1.5	5.79%	0.5
SIX0444517	0.4	6.55%	<1	712	2.0	0.2	1.37%	<0.5
SIX0444517 Rpt	0.4	6.58%	<1	716	2.0	0.3	1.38%	<0.5
SIX0444518	0.4	4.71%	<1	494	1.5	9.0	1.11%	2.0
SIX0444519	0.4	6.47%	<1	842	1.5	0.2	9200	<0.5
SIX0444520	0.6	5.90%	<1	634	1.5	0.2	8100	<0.5
Std Nominal	<0.2	6.32%	790	142	1.5		2.79%	0.5
Determined	0.2	6.43%	796	148	2.0	0.7	2.78%	1.0
SIX0444521	1.6	2.95%	2	118	1.0	22.8	1.99%	10.0
SIX0444522	1.6	2000	<1	84	0.5	57.7	2.14%	2.5
SIX0444523	2.2	1.49%	1	84	1.5	83.8	6.11%	24.0
SIX0444524	2.2	2500	<1	20	2.0	119	10.4%	58.5
SIX0444525	3.4	1900	<1	32	1.5	53.0	11.5%	92.5
SIX0444526	1.2	2700	<1	20	1.5	18.6	9.07%	135
SIX0444527	4.0	1400	<1	26	1.0	11.4	11.2%	146
SIX0444528	4.4	3600	<1	6	1.0	31.0	12.4%	119
SIX0444529	3.0	2700	<1	18	2.0	19.0	10.6%	136
SIX0444530	2.8	1900	<1	2	2.5	6.0	12.4%	134
SIX0444531	5.6	1.04%	<1	44	3.0	59.1	9.63%	87.5
SIX0444532	15.0	4.14%	2	32	4.5	272	10.6%	36.0
SIX0444533	3.4	7200	<1	30	2.0	38.6	8.26%	67.0
Std Nominal	0.4	7.25%	13	240	1.0	<0.1	5.91%	<0.5
Determined	0.4	7.18%	12	238	1.0	0.5	5.84%	<0.5
SIX0444534	3.4	6500	<1	42	1.0	74.0	9.33%	46.5
SIX0444534Q	9.8	6.79%	202	1510	2.5	12.9	9600	29.0
SIX0444535	5.8	1700	2	34	1.0	27.7	11.0%	48.0
SIX0444536	6.8	3000	<1	12	1.0	31.0	12.7%	56.5
SIX0444537	10.8	2.94%	1	32	4.5	54.8	12.0%	42.5
SIX0444538	8.0	2.16%	1	34	3.0	48.4	10.7%	132
SIX0444539	12.6	2400	<1	4	1.0	95.9	14.3%	52.0
SIX0444540	14.6	5300	1	44	2.0	38.1	10.4%	80.0
SIX0444540 Rpt	14.2	5300	1	44	2.0	38.3	10.4%	81.5
SIX0444541	6.4	2300	<1	4	1.5	7.6	14.9%	70.0
SIX0444542	3.4	1.38%	<1	38	2.5	4.9	8.86%	138



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
SIX0444543	0.8	6.90%	<1	38	1.0	1.7	6.54%	3.0
SIX0444544	1.8	7.17%	<1	42	2.0	5.3	6.22%	3.0
SIX0444545	1.2	3.64%	<1	54	2.0	13.1	2.27%	2.0
Std Nominal	6.0	6.83%	96	132	1.0	3.0	2.48%	9.0
Determined	6.0	6.85%	95	130	1.0	2.8	2.46%	9.5
SIX0444546	0.6	6.43%	<1	34	2.0	3.4	5.59%	1.5
SIX0444547	1.2	6.07%	<1	30	2.0	4.5	5.33%	1.5
SIX0444548	0.4	7.39%	<1	88	1.5	2.3	6.30%	0.5
SIX0444549	1.8	7.15%	<1	64	1.0	2.8	6.29%	1.5
SIX0444550	10.4	7100	<1	38	0.5	176	1.09%	2.0
SIX0444551	8.6	3.73%	<1	178	1.5	80.9	2.07%	15.0
SIX0444552	4.8	2.10%	<1	52	2.0	40.2	5.91%	82.5
BLANK 2	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444553	8.8	2700	1	8	0.5	66.2	7.14%	23.5
SIX0444554	8.6	6600	<1	16	2.5	106	7.88%	41.5
SIX0444555	2.2	2100	<1	2	1.0	18.2	2.96%	10.5
SIX0444556	5.0	2700	<1	12	2.5	45.0	6.85%	20.5
SIX0444557	4.8	7800	1	24	1.0	30.4	5.65%	90.0
SIX0444558	6.4	1.98%	1	28	3.5	48.0	9.53%	41.5
SIX0444559	7.0	1.21%	<1	26	3.0	32.7	11.8%	91.5
SIX0444559Q	19.8	5.09%	404	372	1.0	4.6	1.61%	28.5
SIX0444560	4.8	2600	2	28	2.0	12.7	10.0%	109
SIX0444561	6.2	800	<1	4	<0.5	11.8	19.1%	30.5
SIX0444562	8.2	4000	<1	16	1.5	22.9	16.8%	27.0
Std Nominal	<0.2	7.99%	17	332	1.0	0.2	1400	
Determined	0.2	7.73%	16	328	1.0	0.4	1400	<0.5
SIX0444563	3.0	4.46%	<1	228	3.0	4.6	5.36%	65.0
SIX0444564	9.8	1900	<1	980	<0.5	23.2	17.1%	37.5
SIX0444565	3.8	5.24%	<1	1180	1.5	2.9	1.79%	7.5
SIX0444566	0.2	6.01%	<1	1110	2.0	0.9	1.60%	<0.5
SIX0444567	<0.2	8.09%	<1	106	1.0	0.4	6.70%	<0.5
SIX0444568	<0.2	8.00%	<1	66	0.5	0.7	6.89%	<0.5
SIX0444569	<0.2	8.37%	<1	80	1.0	0.8	6.99%	<0.5
SIX0444570	<0.2	8.43%	<1	92	1.0	0.7	6.88%	<0.5
SIX0444571	<0.2	8.13%	<1	86	1.5	0.7	6.77%	<0.5
SIX0444572	<0.2	7.92%	2	86	1.0	0.5	6.68%	<0.5
SIX0444573	0.2	8.20%	<1	88	1.5	0.7	6.57%	<0.5
SIX0444574	<0.2	8.11%	<1	116	2.0	0.7	6.18%	<0.5
SIX0444575	0.2	6.78%	<1	80	1.0	0.3	5.68%	<0.5
SIX0444576	<0.2	5.79%	<1	608	1.0	<0.1	9900	<0.5
SIX0444577	<0.2	6.13%	<1	310	1.0	<0.1	7200	<0.5



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
SIX0444578	<0.2	6.27%	<1	514	1.0	<0.1	7600	<0.5
SIX0444579	<0.2	6.24%	<1	776	1.0	<0.1	5000	<0.5
Std Nominal	1.6		19		2.5			
Determined	1.4	7.52%	19	930	2.5	2.7	2.79%	<0.5
SIX0444580	<0.2	6.09%	<1	532	1.5	0.6	1.06%	<0.5
SIX0444581	<0.2	6.40%	<1	508	2.0	0.2	1.49%	<0.5
SIX0444582	<0.2	6.13%	<1	450	1.5	<0.1	5800	<0.5
SIX0444582 Rpt	<0.2	6.05%	<1	442	1.5	<0.1	5700	<0.5
SIX0444583	<0.2	6.29%	<1	124	3.0	<0.1	4800	<0.5
SIX0444584	<0.2	6.26%	<1	738	1.5	<0.1	7600	<0.5
SIX0444584Q	10.2	6.80%	193	1340	3.0	13.1	9500	29.0
SIX0444585	<0.2	5.90%	1	368	1.0	<0.1	7700	<0.5
SIX0444586	<0.2	6.69%	<1	450	1.5	<0.1	1.47%	<0.5
Std Nominal	<0.2	6.32%	790	142	1.5		2.79%	0.5
Determined	0.2	6.39%	784	144	2.0	0.7	2.85%	1.0
SIX0444587	<0.2	6.12%	2	584	2.5	<0.1	5200	<0.5
SIX0444588	<0.2	6.21%	<1	700	1.5	<0.1	7100	<0.5
SIX0444589	<0.2	6.52%	<1	836	1.0	<0.1	7500	<0.5
SIX0444590	<0.2	6.33%	<1	448	0.5	<0.1	7600	<0.5
SIX0444590 Rpt	<0.2	6.36%	<1	450	0.5	<0.1	7600	<0.5
SIX0444591	<0.2	7.85%	<1	174	2.0	0.4	5.24%	<0.5
SIX0444592	<0.2	6.58%	<1	442	1.5	<0.1	1.01%	<0.5
SIX0444593	<0.2	6.89%	<1	122	2.0	0.8	5.78%	<0.5
SIX0444594	<0.2	5.94%	<1	532	1.5	<0.1	7700	<0.5
BLANK 3	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444595	<0.2	6.14%	<1	634	1.0	<0.1	8800	<0.5
SIX0444596	<0.2	7.25%	<1	244	1.0	0.2	5.06%	<0.5
SIX0444597	<0.2	7.88%	<1	84	1.5	0.3	7.15%	<0.5
SIX0444598	<0.2	7.61%	<1	250	1.5	0.3	6.20%	<0.5
SIX0444599	<0.2	7.33%	<1	106	1.0	0.3	8.16%	<0.5
SIX0444600	<0.2	7.92%	<1	152	1.0	0.4	6.93%	<0.5
Std Nominal	0.4	7.25%	13	240	1.0	<0.1	5.91%	<0.5
Determined	0.2	7.16%	12	236	1.0	<0.1	5.83%	<0.5
SIX0444601	<0.2	6.25%	<1	464	2.5	<0.1	2.57%	<0.5
SIX0444602	<0.2	5.98%	<1	608	1.5	<0.1	1.09%	<0.5
SIX0444603	<0.2	6.37%	<1	624	3.0	<0.1	1.29%	<0.5
SIX0444604	<0.2	6.18%	<1	442	2.5	<0.1	6900	<0.5
SIX0444605	<0.2	6.38%	<1	252	1.0	0.2	3.04%	<0.5
SIX0444605 Rpt	<0.2	6.27%	<1	250	1.0	0.2	3.08%	<0.5
SIX0444606	<0.2	5.81%	<1	470	1.0	<0.1	1.08%	<0.5
SIX0444607	<0.2	5.85%	<1	884	1.0	<0.1	6100	<0.5



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
SIX0444608	<0.2	6.32%	<1	686	1.5	<0.1	8400	<0.5
SIX0444609	<0.2	6.19%	11	688	1.0	<0.1	6300	<0.5
SIX0444609Q	<0.2	8.05%	30	1080	4.0	0.2	2.68%	<0.5
SIX0444610	<0.2	6.71%	3	452	1.5	0.2	1.77%	<0.5
SIX0444611	<0.2	6.38%	9	450	3.0	<0.1	1.09%	<0.5
SIX0444612	<0.2	6.42%	15	486	2.0	<0.1	1.70%	<0.5
SIX0444613	<0.2	8.09%	14	88	1.5	0.3	6.67%	<0.5
SIX0444614	<0.2	8.38%	<1	146	3.0	0.3	5.52%	<0.5
SIX0444615	<0.2	8.31%	<1	84	1.5	0.3	7.05%	<0.5
Std Nominal	6.0	6.83%	96	132	1.0	3.0	2.48%	9.0
Determined	6.0	6.87%	96	132	1.0	2.8	2.48%	9.5
SIX0444616	0.4	8.18%	<1	58	1.0	0.4	7.19%	<0.5
SIX0444617	<0.2	8.08%	<1	92	1.0	0.5	6.76%	<0.5
SIX0444618	0.2	7.94%	<1	76	1.0	0.6	6.86%	<0.5
SIX0444619	<0.2	8.00%	<1	62	1.0	0.6	7.52%	<0.5
SIX0444620	<0.2	8.13%	<1	110	1.0	0.3	7.32%	<0.5
SIX0444621	<0.2	8.09%	<1	66	0.5	0.4	7.19%	<0.5
SIX0444622	<0.2	8.51%	<1	98	0.5	0.8	7.28%	<0.5
SIX0444623	<0.2	8.28%	<1	70	1.0	0.3	7.09%	<0.5
SIX0444623 Rpt	<0.2	8.22%	<1	70	1.0	0.3	7.06%	<0.5
SIX0444624	<0.2	8.10%	<1	92	1.5	0.4	6.38%	<0.5
SIX0444625	<0.2	8.35%	<1	72	1.0	0.3	6.98%	<0.5
SIX0444626	<0.2	8.30%	<1	100	0.5	0.3	7.21%	<0.5
SIX0444627	<0.2	8.34%	<1	66	0.5	0.3	7.28%	<0.5
SIX0444628	0.6	8.43%	<1	110	1.5	0.7	6.33%	<0.5
Std Nominal	<0.2	7.99%	17	332	1.0	0.2	1400	
Determined	0.4	7.84%	16	330	1.0	0.2	1500	<0.5
SIX0444629	0.4	9.34%	<1	172	2.5	0.6	5.58%	<0.5
SIX0444630	<0.2	8.24%	<1	76	1.5	0.5	7.00%	<0.5
SIX0444631	<0.2	8.63%	<1	128	2.0	0.6	6.50%	<0.5
SIX0444632	<0.2	8.32%	<1	84	1.0	0.2	7.13%	<0.5
SIX0444633	<0.2	8.37%	<1	100	2.0	0.4	6.29%	<0.5
SIX0444634	<0.2	8.44%	<1	104	2.5	0.3	5.53%	<0.5
SIX0444634Q	18.0	5.07%	404	148	1.5	4.4	1.62%	28.0
SIX0444635	<0.2	8.29%	2	126	1.5	0.3	6.74%	<0.5
SIX0444636	<0.2	8.34%	<1	134	2.0	0.3	6.70%	<0.5
BLANK 4	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444637	<0.2	8.19%	<1	100	1.5	0.6	6.76%	<0.5
SIX0444638	<0.2	6.76%	<1	330	1.5	<0.1	2.11%	<0.5
SIX0444639	<0.2	6.36%	<1	480	1.0	<0.1	1.26%	<0.5
SIX0444640	<0.2	6.26%	<1	382	1.5	<0.1	1.12%	<0.5



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
SIX0444641	<0.2	6.08%	<1	644	3.5	<0.1	6600	<0.5
Std Nominal	1.6		19		2.5			
Determined	1.4	7.59%	19	932	3.0	2.7	2.83%	<0.5
SIX0444642	<0.2	6.47%	<1	686	3.5	<0.1	1.16%	<0.5
SIX0444643	<0.2	6.54%	<1	744	5.5	<0.1	6500	<0.5
SIX0444643 Rpt	<0.2	6.51%	<1	740	5.5	<0.1	6500	<0.5
SIX0444644	<0.2	5.94%	<1	682	3.5	<0.1	5800	<0.5
SIX0444645	<0.2	6.29%	<1	710	4.0	<0.1	5600	<0.5
SIX0444646	<0.2	6.23%	<1	714	3.5	0.2	7500	<0.5
SIX0444647	<0.2	6.51%	<1	832	2.5	<0.1	7700	<0.5
SIX0444648	<0.2	6.30%	<1	554	2.5	<0.1	8200	<0.5
SIX0444649	0.2	6.14%	<1	406	2.5	<0.1	6900	<0.5
SIX0444650	0.2	6.28%	<1	592	2.0	<0.1	5000	<0.5
SIX0444651	<0.2	6.42%	<1	458	1.5	<0.1	9500	<0.5
SIX0444652	<0.2	6.45%	<1	324	2.0	<0.1	6500	<0.5
Std Nominal	<0.2	6.32%	790	142	1.5		2.79%	0.5
Determined	0.2	6.53%	812	148	2.0	0.7	2.92%	1.0
SIX0444653	0.2	6.30%	2	378	2.5	<0.1	6900	<0.5
SIX0444654	<0.2	6.41%	<1	422	4.0	<0.1	1.46%	<0.5
SIX0444655	0.2	7.65%	<1	118	1.5	0.3	6.60%	<0.5
SIX0444655 Rpt	0.2	7.65%	<1	116	1.5	0.3	6.61%	<0.5
SIX0444656	<0.2	8.06%	<1	92	1.0	0.2	7.16%	<0.5
SIX0444657	<0.2	8.10%	<1	112	1.0	0.6	7.09%	<0.5
SIX0444658	<0.2	8.54%	<1	72	0.5	0.3	7.14%	<0.5
Std Nominal	0.4	7.25%	13	240	1.0	<0.1	5.91%	<0.5
Determined	0.2	7.09%	12	232	1.0	<0.1	5.77%	<0.5



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
BLANK 1	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0444510	9	20	0.3	38	4.96%	7.2	3.0	0.05
SIX0444511	19	20	0.2	78	7.15%	12.4	2.6	0.10
SIX0444512	4	10	0.6	36	2.81%	21.4	5.4	0.15
SIX0444513	14	40	1.3	146	4.09%	20.8	3.8	0.15
SIX0444514	5	20	0.9	50	2.72%	20.4	4.8	0.15
SIX0444515	10	20	1.0	140	3.58%	21.4	5.6	0.15
SIX0444516	56	80	1.1	304	10.4%	21.2	1.8	0.20
SIX0444517	8	10	0.9	108	3.19%	20.2	5.8	0.15
SIX0444517 Rpt	9	10	0.9	112	3.20%	20.8	5.6	0.15
SIX0444518	22	<10	1.4	1700	5.06%	18.0	4.2	0.30
SIX0444519	5	<10	0.7	76	2.56%	20.4	5.4	0.15
SIX0444520	3	<10	0.6	112	2.48%	20.0	6.6	0.10
Std Nominal	163	1500		120	9.79%	13.2	1.6	
Determined	170	1510	2.3	124	9.69%	13.4	1.4	0.10
SIX0444521	34	<10	1.0	7880	12.4%	14.2	1.0	0.50
SIX0444522	23	<10	<0.1	7040	8.09%	4.0	<0.2	0.50
SIX0444523	13	<10	2.8	3010	6.00%	9.2	0.4	0.60
SIX0444524	11	<10	0.4	2690	3.90%	4.0	<0.2	1.10
SIX0444525	11	<10	<0.1	1880	3.44%	3.0	<0.2	0.65
SIX0444526	14	<10	0.8	4370	3.95%	3.6	<0.2	0.85
SIX0444527	19	<10	0.4	3540	4.50%	3.0	<0.2	0.50
SIX0444528	21	<10	<0.1	5390	4.94%	3.0	<0.2	0.65
SIX0444529	21	<10	0.9	6410	5.11%	3.6	<0.2	0.95
SIX0444530	19	<10	<0.1	8850	5.09%	3.2	<0.2	1.10
SIX0444531	15	<10	2.2	8010	4.50%	6.8	0.4	1.00
SIX0444532	10	<10	0.2	2160	5.06%	20.0	0.8	0.45
SIX0444533	16	<10	0.7	3310	5.25%	4.4	<0.2	0.95
Std Nominal	155	230	0.9	316	9.63%	19.4	3.4	0.05
Determined	148	210	0.8	316	9.62%	19.4	3.2	0.05
SIX0444534	14	<10	0.8	6910	5.92%	5.8	0.2	0.75
SIX0444534Q	31	20	6.3	1.72%	5.02%	20.6	4.6	2.70
SIX0444535	18	<10	0.3	9810	6.01%	3.6	<0.2	1.65
SIX0444536	11	<10	0.3	5130	4.39%	3.4	<0.2	0.60
SIX0444537	9	<10	0.7	7130	3.99%	10.8	0.4	0.30
SIX0444538	14	<10	0.4	6600	4.70%	9.6	0.4	1.00
SIX0444539	16	<10	<0.1	8070	5.73%	3.0	<0.2	0.90
SIX0444540	30	<10	0.9	2.05%	6.69%	8.0	0.2	2.20
SIX0444540 Rpt	30	<10	0.9	2.08%	6.76%	8.4	0.2	2.20
SIX0444541	20	<10	0.2	1.13%	6.02%	3.6	<0.2	1.90
SIX0444542	24	<10	0.3	5680	5.76%	7.2	0.4	1.65



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444543	47	20	0.2	1230	11.1%	20.2	0.8	0.15
SIX0444544	45	30	<0.1	3270	10.6%	23.4	1.4	0.50
SIX0444545	25	<10	2.4	3150	10.5%	17.6	1.0	0.55
Std Nominal	45	170	16.5	1500	8.65%	20.0	3.2	0.60
Determined	43	160	15.7	1510	8.46%	20.2	3.2	0.65
SIX0444546	33	20	0.3	1340	10.1%	21.6	1.8	0.40
SIX0444547	32	20	<0.1	2490	11.4%	23.8	1.8	0.55
SIX0444548	40	20	0.2	702	10.7%	23.4	1.4	0.15
SIX0444549	41	20	1.1	1550	10.6%	21.0	1.6	0.20
SIX0444550	20	<10	1.5	5680	10.5%	7.0	<0.2	0.65
SIX0444551	13	<10	8.1	6020	5.90%	19.2	1.0	0.55
SIX0444552	12	<10	1.6	2350	5.84%	12.6	0.4	1.40
BLANK 2	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0444553	8	<10	0.2	4380	5.41%	1.8	<0.2	0.30
SIX0444554	8	<10	0.5	1880	4.36%	5.6	0.2	0.50
SIX0444555	10	<10	0.2	760	7.47%	3.2	<0.2	0.10
SIX0444556	9	<10	0.9	2040	5.32%	3.0	<0.2	0.25
SIX0444557	11	<10	1.0	6640	6.74%	4.8	<0.2	1.15
SIX0444558	9	<10	0.6	4510	4.78%	8.8	0.8	0.55
SIX0444559	12	<10	0.6	7830	4.41%	6.4	0.4	1.00
SIX0444559Q	7	20	4.7	516	6.25%	13.8	3.0	0.35
SIX0444560	15	<10	0.2	6680	5.41%	3.2	<0.2	0.85
SIX0444561	9	<10	<0.1	7120	3.79%	1.4	<0.2	0.70
SIX0444562	18	<10	0.9	1.18%	5.04%	4.2	0.2	1.20
Std Nominal	88	600	2.3		19.5 %	21.2	3.6	0.10
Determined	84	600	2.1	772	19.8%	21.2	3.6	0.10
SIX0444563	15	10	3.1	5430	4.48%	14.0	1.0	1.30
SIX0444564	14	<10	0.2	1.23%	4.99%	3.2	<0.2	1.30
SIX0444565	7	10	1.3	2080	3.65%	17.0	7.8	0.25
SIX0444566	7	20	0.6	74	2.73%	15.8	4.0	0.10
SIX0444567	54	90	0.2	88	9.68%	18.4	1.0	0.10
SIX0444568	57	90	0.3	92	10.2%	17.6	1.0	0.10
SIX0444569	57	90	0.6	96	10.0%	18.4	0.8	0.10
SIX0444570	59	70	1.0	102	9.88%	18.4	1.0	0.10
SIX0444571	57	90	0.9	118	10.1%	18.4	1.0	0.10
SIX0444572	58	100	0.6	102	10.1%	18.8	1.0	0.10
SIX0444573	54	90	1.1	76	9.66%	18.4	1.4	0.10
SIX0444574	53	100	1.6	94	10.0%	20.4	1.4	0.10
SIX0444575	46	80	0.3	90	9.00%	16.6	1.0	0.10
SIX0444576	5	<10	0.4	6	2.51%	16.8	7.4	0.05
SIX0444577	4	<10	0.3	18	2.27%	20.0	7.4	0.05



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444578	4	10	0.4	8	2.59%	20.4	7.0	0.10
SIX0444579	2	<10	0.3	10	1.46%	19.2	8.0	<0.05
Std Nominal	17	80		5310	4.87%			
Determined	18	80	9.6	5360	5.52%	18.0	2.6	0.40
SIX0444580	3	<10	1.1	14	2.01%	18.4	7.6	<0.05
SIX0444581	16	20	1.6	14	5.80%	23.0	5.8	0.15
SIX0444582	4	<10	0.3	<2	2.51%	19.6	7.6	0.10
SIX0444582 Rpt	3	<10	0.3	<2	2.45%	19.4	7.6	0.10
SIX0444583	3	<10	0.4	<2	2.57%	21.8	8.6	0.05
SIX0444584	4	<10	1.3	14	2.46%	20.2	6.6	0.10
SIX0444584Q	31	20	6.7	1.75%	5.09%	20.6	5.0	2.70
SIX0444585	3	<10	0.4	52	2.03%	17.8	6.6	0.05
SIX0444586	9	10	0.5	22	2.93%	21.8	5.4	0.10
Std Nominal	163	1500		120	9.79%	13.2	1.6	
Determined	165	1560	2.2	124	9.73%	13.8	1.4	0.10
SIX0444587	2	<10	0.5	2	1.91%	19.6	7.8	0.15
SIX0444588	4	<10	0.7	2	2.76%	21.8	7.2	0.15
SIX0444589	5	10	0.7	2	2.66%	21.0	6.2	0.10
SIX0444590	2	<10	0.4	16	2.14%	19.8	6.8	0.05
SIX0444590 Rpt	3	<10	0.4	16	2.07%	20.2	6.4	0.10
SIX0444591	48	80	0.3	72	9.24%	21.2	2.0	0.15
SIX0444592	6	<10	0.7	14	2.39%	20.8	5.8	0.05
SIX0444593	47	40	0.5	72	10.5%	21.2	2.2	0.15
SIX0444594	4	<10	0.8	<2	2.77%	19.6	7.8	0.05
BLANK 3	<1	<10	<0.1	2	<100	<0.2	<0.2	<0.05
SIX0444595	4	<10	1.6	<2	2.76%	21.0	8.4	0.10
SIX0444596	40	50	0.6	74	8.00%	20.0	3.8	0.10
SIX0444597	61	90	<0.1	114	11.4%	20.8	1.2	0.10
SIX0444598	46	70	0.6	80	8.75%	20.6	2.6	0.10
SIX0444599	57	80	<0.1	114	10.5%	18.4	0.8	0.10
SIX0444600	58	80	0.4	108	10.5%	19.6	1.2	0.10
Std Nominal	155	230	0.9	316	9.63%	19.4	3.4	0.05
Determined	154	210	0.8	318	9.67%	19.4	3.2	0.05
SIX0444601	6	10	0.6	<2	2.74%	19.8	6.6	0.10
SIX0444602	3	<10	0.4	<2	2.14%	19.2	7.8	0.10
SIX0444603	3	<10	0.5	<2	2.43%	20.4	8.8	0.10
SIX0444604	4	<10	0.4	<2	2.66%	20.6	8.8	0.05
SIX0444605	23	20	0.5	38	6.49%	20.8	5.6	0.10
SIX0444605 Rpt	23	20	0.4	38	6.46%	20.2	5.6	0.10
SIX0444606	5	<10	0.6	6	2.98%	20.4	7.6	0.10
SIX0444607	2	<10	0.3	<2	2.28%	18.8	6.4	0.15



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444608	2	<10	0.4	<2	2.06%	20.8	7.6	0.15
SIX0444609	2	<10	0.3	<2	2.05%	20.2	7.6	0.10
SIX0444609Q	15	50	16.1	44	3.88%	20.6	3.8	0.05
SIX0444610	14	10	1.0	16	4.18%	23.0	6.2	0.10
SIX0444611	10	<10	0.6	8	3.61%	22.4	8.2	0.10
SIX0444612	7	<10	1.0	12	3.06%	21.8	9.4	0.10
SIX0444613	62	80	0.4	84	10.2%	20.8	1.2	0.10
SIX0444614	48	70	2.1	90	8.66%	22.6	1.4	0.15
SIX0444615	60	100	0.4	50	9.84%	20.4	1.0	0.10
Std Nominal	45	170	16.5	1500	8.65%	20.0	3.2	0.60
Determined	45	160	16.6	1570	8.56%	20.8	3.0	0.65
SIX0444616	61	90	<0.1	40	9.85%	19.2	1.0	0.10
SIX0444617	65	70	0.9	68	10.4%	18.8	1.0	0.10
SIX0444618	61	50	0.6	118	10.4%	18.8	1.0	0.10
SIX0444619	61	80	0.2	68	10.8%	18.6	1.0	0.10
SIX0444620	60	80	0.9	80	10.5%	19.2	1.2	0.10
SIX0444621	63	80	0.3	80	10.8%	18.8	1.0	0.10
SIX0444622	62	70	0.5	72	10.5%	19.0	1.0	0.10
SIX0444623	60	80	0.3	66	10.5%	19.4	1.0	0.10
SIX0444623 Rpt	59	80	0.2	66	10.4%	18.8	1.0	0.10
SIX0444624	54	70	1.0	84	9.75%	18.8	1.2	0.10
SIX0444625	60	70	0.4	92	10.2%	19.2	1.0	0.10
SIX0444626	61	80	<0.1	76	10.5%	18.2	0.8	0.10
SIX0444627	63	80	0.3	152	10.6%	18.8	0.8	0.10
SIX0444628	124	70	1.9	2530	11.5%	19.4	1.4	0.10
Std Nominal	88	600	2.3		19.5 %	21.2	3.6	0.10
Determined	88	590	2.2	766	20.0%	20.8	3.4	0.10
SIX0444629	124	70	4.0	1670	11.1%	21.6	2.0	0.05
SIX0444630	64	80	0.8	316	10.7%	19.6	1.4	0.10
SIX0444631	70	80	2.8	412	10.4%	21.8	1.2	0.10
SIX0444632	61	80	0.2	84	10.4%	18.6	1.0	0.10
SIX0444633	51	70	1.5	84	8.83%	21.2	1.6	0.15
SIX0444634	43	50	1.5	78	7.68%	21.0	1.0	0.10
SIX0444634Q	8	10	4.9	518	6.36%	13.6	3.2	0.35
SIX0444635	60	80	0.6	102	10.1%	19.6	1.2	0.10
SIX0444636	54	70	0.6	156	9.30%	22.4	1.4	0.20
BLANK 4	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0444637	56	80	0.3	110	9.83%	20.4	1.2	0.15
SIX0444638	15	20	0.4	24	4.15%	21.4	6.8	0.10
SIX0444639	7	10	0.8	4	3.07%	20.0	8.2	0.10
SIX0444640	3	<10	0.7	4	2.08%	19.8	9.0	0.10



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444641	2	<10	0.7	2	2.45%	20.8	8.8	0.15
Std Nominal	17	80		5310	4.87%			
Determined	18	80	10.3	5400	5.53%	18.8	2.6	0.40
SIX0444642	6	20	0.8	10	2.87%	20.8	8.0	0.15
SIX0444643	2	<10	0.5	<2	2.45%	22.2	8.6	0.15
SIX0444643 Rpt	2	10	0.5	<2	2.44%	22.0	8.8	0.15
SIX0444644	2	<10	0.8	<2	2.68%	21.8	8.0	0.20
SIX0444645	2	<10	0.9	<2	2.63%	21.8	9.6	0.15
SIX0444646	6	10	1.1	6	2.96%	21.0	6.2	0.15
SIX0444647	5	<10	1.1	<2	2.43%	20.2	5.4	0.10
SIX0444648	3	<10	0.5	<2	2.45%	21.4	8.2	0.10
SIX0444649	3	<10	0.2	<2	2.36%	22.2	8.6	0.05
SIX0444650	4	<10	0.3	<2	3.02%	22.8	9.0	0.10
SIX0444651	3	<10	0.3	<2	2.19%	21.0	6.8	0.05
SIX0444652	4	<10	0.6	<2	3.28%	25.0	9.0	0.10
Std Nominal	163	1500		120	9.79%	13.2	1.6	
Determined	162	1430	2.4	120	9.73%	13.4	1.6	0.10
SIX0444653	4	<10	0.7	12	2.79%	22.0	9.2	0.10
SIX0444654	8	<10	0.5	32	3.92%	24.6	8.4	0.10
SIX0444655	60	70	0.4	160	10.1%	20.6	1.2	0.15
SIX0444655 Rpt	59	70	0.3	160	10.1%	20.0	1.2	0.10
SIX0444656	63	80	0.2	94	10.6%	20.4	1.0	0.10
SIX0444657	64	120	0.2	96	10.2%	19.2	1.0	0.10
SIX0444658	63	80	<0.1	96	10.0%	18.8	0.8	0.05
Std Nominal	155	230	0.9	316	9.63%	19.4	3.4	0.05
Determined	156	210	0.8	314	9.41%	19.0	3.2	0.05



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
BLANK 1	<100	<10	<100	<2	<0.5	<100	<0.5	<2
SIX0444510	1500	<10	8300	628	1.5	200	5.0	4
SIX0444511	1600	<10	1.07%	918	1.5	1800	6.5	14
SIX0444512	2.50%	<10	5800	946	<0.5	2.51%	17.0	6
SIX0444513	2.31%	<10	1.21%	832	<0.5	2.43%	17.5	30
SIX0444514	2.94%	<10	6400	1320	<0.5	2.37%	16.5	12
SIX0444515	2.43%	<10	1.01%	1260	<0.5	2.42%	15.5	22
SIX0444516	1.17%	<10	4.04%	2270	<0.5	2.34%	4.5	94
SIX0444517	2.52%	<10	9300	1300	<0.5	2.43%	15.0	20
SIX0444517 Rpt	2.54%	<10	9400	1350	<0.5	2.44%	15.5	22
SIX0444518	1.74%	<10	2.64%	1330	2.0	1.28%	12.0	18
SIX0444519	3.05%	<10	6200	788	<0.5	2.41%	16.5	6
SIX0444520	2.22%	<10	6400	586	<0.5	2.47%	16.5	4
Std Nominal	5600	10	6.85%	2380	1.0	6300	3.0	1200
Determined	5400	10	6.90%	2360	1.0	6200	2.5	1220
SIX0444521	3800	<10	5.49%	3090	1.5	7100	4.0	22
SIX0444522	300	<10	15.5%	3560	1.0	1400	<0.5	<2
SIX0444523	5700	<10	11.1%	4900	2.0	4100	10.5	4
SIX0444524	1200	<10	11.2%	3490	3.0	1300	1.0	<2
SIX0444525	700	<10	11.5%	5020	1.0	1100	1.0	2
SIX0444526	1400	<10	11.5%	4700	<0.5	1000	1.0	4
SIX0444527	600	<10	11.3%	5820	2.0	300	<0.5	8
SIX0444528	700	<10	11.0%	5230	<0.5	900	<0.5	8
SIX0444529	1400	<10	10.8%	4810	1.0	600	<0.5	8
SIX0444530	300	<10	10.5%	3750	1.0	600	<0.5	8
SIX0444531	3700	<10	11.2%	3260	7.0	2400	3.0	4
SIX0444532	5400	<10	9.95%	3070	1.0	9400	7.0	4
SIX0444533	1500	<10	12.5%	4800	3.5	2000	1.5	8
Std Nominal	6000	<10	4.05%	1070	2.0	2.21%	16.0	6930
Determined	6000	<10	3.95%	1070	1.5	2.29%	16.0	6880
SIX0444534	1600	<10	10.8%	6200	2.5	1600	1.5	12
SIX0444534Q	2.85%	30	3800	1630	23.0	2.06%	15.0	14
SIX0444535	300	<10	8.84%	9340	2.0	400	1.0	8
SIX0444536	400	<10	12.8%	7010	<0.5	500	1.0	<2
SIX0444537	1900	<10	8.50%	6930	12.0	5400	3.5	2
SIX0444538	2300	<10	8.94%	5040	9.0	5100	5.5	2
SIX0444539	300	<10	13.5%	5910	<0.5	500	<0.5	2
SIX0444540	1400	<10	9.41%	6970	1.0	800	0.5	6
SIX0444540 Rpt	1400	<10	9.45%	6970	1.0	800	0.5	6
SIX0444541	300	<10	10.8%	5860	1.0	300	<0.5	2
SIX0444542	1500	<10	10.7%	5310	1.0	3600	2.0	4



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444543	1800	<10	3.29%	2100	<0.5	1.96%	4.0	30
SIX0444544	2000	10	4.40%	1880	1.0	2.16%	7.0	26
SIX0444545	3500	20	9.41%	2720	2.0	1.35%	4.0	8
Std Nominal	2.35%	<10	1.71%	1180	67.0	1.30%	4.0	74
Determined	2.38%	10	1.68%	1180	65.5	1.34%	4.0	74
SIX0444546	2300	10	4.79%	2130	1.0	2.00%	6.5	20
SIX0444547	2200	10	6.17%	2230	1.0	1.94%	7.5	16
SIX0444548	2300	<10	3.55%	2050	1.0	2.13%	5.5	22
SIX0444549	3800	<10	3.92%	2060	1.0	2.06%	5.0	24
SIX0444550	3200	10	14.4%	3250	33.0	1800	2.0	<2
SIX0444551	1.62%	20	9.86%	2520	2.5	6100	11.0	2
SIX0444552	4800	<10	12.6%	4480	1.5	6600	5.0	<2
BLANK 2	<100	<10	<100	<2	<0.5	<100	<0.5	<2
SIX0444553	500	<10	20.2%	6060	1.5	1000	2.0	<2
SIX0444554	1800	<10	13.7%	4440	3.5	2900	4.0	<2
SIX0444555	600	<10	16.6%	7010	4.0	1300	0.5	<2
SIX0444556	1600	<10	16.6%	5020	1.5	1000	2.0	<2
SIX0444557	2600	<10	11.5%	8000	2.5	2300	4.5	4
SIX0444558	3300	<10	11.8%	4980	3.5	5400	6.5	4
SIX0444559	2000	<10	12.2%	4830	<0.5	3400	3.0	<2
SIX0444559Q	1.82%	20	8400	3.43%	12.0	7900	8.0	40
SIX0444560	400	<10	15.5%	6690	1.0	500	<0.5	<2
SIX0444561	200	<10	13.3%	7540	1.0	200	0.5	<2
SIX0444562	2100	<10	11.0%	5290	1.0	600	1.0	2
Std Nominal	2000	10			1.5		15.0	
Determined	2000	10	2400	400	1.5	900	14.5	428
SIX0444563	2.11%	<10	4.50%	3810	4.0	1.64%	8.5	6
SIX0444564	500	<10	11.6%	6880	2.5	400	0.5	2
SIX0444565	3.07%	<10	1.86%	1340	6.5	1.50%	21.5	8
SIX0444566	3.35%	<10	1.16%	1330	<0.5	1.64%	11.5	14
SIX0444567	4400	<10	4.02%	1600	<0.5	2.02%	5.5	102
SIX0444568	3900	<10	4.20%	1710	<0.5	1.98%	3.5	108
SIX0444569	4500	<10	4.42%	1720	<0.5	2.02%	3.5	122
SIX0444570	5500	<10	4.42%	1760	<0.5	2.00%	3.5	116
SIX0444571	5400	<10	4.26%	1810	<0.5	2.07%	4.5	106
SIX0444572	5000	10	3.97%	1810	<0.5	2.06%	5.5	90
SIX0444573	6000	<10	3.96%	1730	<0.5	2.15%	5.5	96
SIX0444574	7000	<10	3.77%	1770	2.0	2.23%	11.0	82
SIX0444575	3900	<10	3.26%	1480	1.0	1.95%	4.5	72
SIX0444576	1.08%	<10	1.40%	522	<0.5	3.17%	14.5	6
SIX0444577	1.30%	<10	1.10%	374	<0.5	3.60%	15.0	2



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444578	1.52%	<10	1.11%	502	<0.5	3.42%	18.5	6
SIX0444579	2.41%	<10	7200	278	<0.5	3.30%	17.5	2
Std Nominal	3.07%			552	319			38
Determined	3.16%	30	1.56%	552	318	2.02%	15.5	40
SIX0444580	2.00%	<10	9400	296	1.0	2.69%	19.0	4
SIX0444581	1.86%	<10	2.91%	1160	2.0	2.37%	16.5	14
SIX0444582	1.37%	<10	1.34%	396	<0.5	3.45%	15.5	2
SIX0444582 Rpt	1.35%	<10	1.31%	386	<0.5	3.40%	15.5	4
SIX0444583	1.12%	<10	1.29%	422	<0.5	4.03%	17.5	4
SIX0444584	2.42%	<10	1.25%	402	<0.5	2.77%	19.0	6
SIX0444584Q	2.86%	30	3700	1650	23.5	2.07%	15.5	14
SIX0444585	1.62%	<10	8200	350	<0.5	2.50%	17.5	4
SIX0444586	1.40%	<10	1.11%	540	<0.5	3.20%	16.0	12
Std Nominal	5600	10	6.85%	2380	1.0	6300	3.0	1200
Determined	5500	10	6.88%	2370	1.0	6300	2.5	1210
SIX0444587	2.12%	<10	7300	330	<0.5	3.12%	17.5	2
SIX0444588	2.11%	<10	1.03%	564	<0.5	3.00%	20.0	10
SIX0444589	1.93%	<10	1.10%	612	<0.5	3.18%	18.0	10
SIX0444590	1.41%	<10	8800	390	<0.5	3.47%	17.5	2
SIX0444590 Rpt	1.43%	<10	8900	398	<0.5	3.47%	18.0	2
SIX0444591	4600	<10	3.23%	1570	<0.5	2.67%	8.0	70
SIX0444592	1.52%	<10	1.05%	464	<0.5	3.40%	16.5	6
SIX0444593	3400	<10	3.16%	1930	<0.5	2.08%	8.5	40
SIX0444594	1.35%	<10	1.43%	540	<0.5	3.10%	17.0	4
BLANK 3	<100	<10	<100	<2	<0.5	<100	<0.5	<2
SIX0444595	1.35%	<10	1.70%	556	<0.5	2.91%	25.0	2
SIX0444596	6300	<10	3.12%	1300	<0.5	2.40%	9.5	56
SIX0444597	3800	<10	4.03%	1890	<0.5	1.96%	5.0	82
SIX0444598	6700	<10	3.58%	1920	<0.5	2.12%	9.5	76
SIX0444599	4600	<10	3.91%	2640	<0.5	1.81%	3.5	80
SIX0444600	6900	<10	4.09%	2070	<0.5	1.91%	4.5	94
Std Nominal	6000	<10	4.05%	1070	2.0	2.21%	16.0	6930
Determined	6000	<10	3.94%	1070	1.5	2.20%	16.5	6860
SIX0444601	1.14%	<10	1.81%	1170	<0.5	2.55%	17.5	30
SIX0444602	1.32%	<10	1.47%	572	<0.5	2.83%	18.5	6
SIX0444603	1.18%	<10	1.57%	676	<0.5	3.00%	19.5	4
SIX0444604	1.43%	<10	1.31%	490	<0.5	3.20%	18.0	2
SIX0444605	9500	<10	2.28%	1170	<0.5	2.13%	22.5	18
SIX0444605 Rpt	9400	<10	2.29%	1190	<0.5	2.13%	22.0	16
SIX0444606	1.38%	<10	1.23%	388	<0.5	2.46%	27.0	6
SIX0444607	1.76%	<10	9000	420	<0.5	2.85%	20.0	<2



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444608	1.23%	<10	7600	412	<0.5	3.31%	18.5	2
SIX0444609	1.56%	<10	8000	450	<0.5	3.28%	7.5	4
SIX0444609Q	3.40%	40	1.44%	558	3.0	2.12%	18.5	46
SIX0444610	1.26%	<10	1.77%	844	<0.5	2.86%	18.0	12
SIX0444611	1.17%	<10	1.52%	732	<0.5	3.24%	15.5	8
SIX0444612	1.30%	<10	1.89%	538	<0.5	2.61%	13.5	6
SIX0444613	4400	<10	4.06%	1670	<0.5	2.10%	4.5	100
SIX0444614	7600	<10	3.55%	1830	1.0	2.27%	8.5	88
SIX0444615	4700	<10	4.26%	1610	<0.5	2.11%	5.0	94
Std Nominal	2.35%	<10	1.71%	1180	67.0	1.30%	4.0	74
Determined	2.39%	10	1.69%	1160	66.5	1.33%	4.0	74
SIX0444616	4200	<10	4.33%	1660	<0.5	2.07%	3.5	98
SIX0444617	5700	<10	4.52%	1770	<0.5	1.94%	3.5	120
SIX0444618	5000	10	4.32%	1750	<0.5	1.95%	4.0	106
SIX0444619	4100	10	4.49%	1840	<0.5	1.92%	3.5	120
SIX0444620	5700	<10	4.27%	1880	<0.5	1.85%	6.0	114
SIX0444621	4300	<10	4.53%	1700	<0.5	1.92%	3.5	118
SIX0444622	5400	<10	4.56%	1780	<0.5	2.00%	3.5	120
SIX0444623	4700	<10	4.37%	1810	<0.5	1.99%	4.0	112
SIX0444623 Rpt	4700	<10	4.34%	1790	<0.5	1.99%	4.0	112
SIX0444624	7700	<10	4.11%	1710	<0.5	2.07%	6.0	102
SIX0444625	5700	<10	4.35%	1610	<0.5	2.02%	4.0	108
SIX0444626	4000	<10	4.42%	1680	<0.5	1.94%	3.0	116
SIX0444627	4300	<10	4.51%	1670	<0.5	1.87%	3.5	124
SIX0444628	9000	10	4.02%	1580	2.0	2.08%	8.5	190
Std Nominal	2000	10			1.5		15.0	
Determined	2000	10	2400	402	1.5	900	14.5	430
SIX0444629	1.05%	10	3.21%	1370	2.5	2.54%	9.5	264
SIX0444630	7200	<10	4.32%	1630	<0.5	2.13%	6.0	116
SIX0444631	9400	<10	4.05%	1610	1.0	2.20%	9.0	124
SIX0444632	3900	<10	4.43%	1620	<0.5	2.16%	4.5	118
SIX0444633	7800	<10	3.87%	1490	<0.5	2.28%	8.0	100
SIX0444634	7700	10	3.33%	1430	<0.5	2.41%	7.5	86
SIX0444634Q	1.84%	20	8400	3.37%	12.0	7800	8.0	40
SIX0444635	5900	<10	4.16%	1700	<0.5	2.16%	5.5	102
SIX0444636	7300	<10	4.37%	1720	<0.5	2.30%	9.5	116
BLANK 4	<100	<10	<100	<2	<0.5	<100	<0.5	<2
SIX0444637	5800	<10	4.23%	1770	<0.5	2.25%	6.5	106
SIX0444638	1.17%	<10	1.94%	762	<0.5	3.07%	16.0	24
SIX0444639	1.88%	<10	1.35%	572	<0.5	2.74%	21.0	10
SIX0444640	1.54%	<10	7600	370	<0.5	2.84%	19.0	4



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444641	2.17%	<10	1.04%	458	<0.5	2.67%	21.5	2
Std Nominal	3.07%			552	319			38
Determined	3.18%	30	1.58%	554	322	2.04%	16.0	40
SIX0444642	1.71%	<10	1.33%	524	1.0	2.65%	18.5	16
SIX0444643	2.10%	<10	1.05%	516	<0.5	3.04%	19.5	4
SIX0444643 Rpt	2.10%	<10	1.05%	518	<0.5	3.04%	19.0	4
SIX0444644	2.37%	<10	1.11%	530	<0.5	2.61%	20.0	<2
SIX0444645	2.58%	<10	1.03%	556	<0.5	2.60%	21.5	4
SIX0444646	3.08%	10	1.19%	1380	<0.5	1.97%	17.0	8
SIX0444647	3.35%	<10	9300	1720	<0.5	2.12%	16.0	8
SIX0444648	1.39%	<10	9700	624	<0.5	3.35%	18.0	4
SIX0444649	9500	<10	9200	520	<0.5	3.50%	17.5	4
SIX0444650	1.26%	<10	1.19%	682	<0.5	3.53%	20.5	6
SIX0444651	1.03%	<10	9600	484	<0.5	3.37%	15.5	8
SIX0444652	1.55%	<10	1.66%	686	<0.5	2.92%	19.5	2
Std Nominal	5600	10	6.85%	2380	1.0	6300	3.0	1200
Determined	5500	10	7.06%	2350	1.0	6300	2.5	1240
SIX0444653	1.54%	<10	1.67%	540	<0.5	3.00%	20.5	4
SIX0444654	1.41%	<10	2.45%	904	4.5	2.80%	19.5	6
SIX0444655	5300	<10	4.09%	1680	<0.5	1.74%	5.0	86
SIX0444655 Rpt	5300	<10	4.08%	1680	<0.5	1.73%	5.0	90
SIX0444656	5100	<10	4.25%	1680	<0.5	1.84%	4.5	102
SIX0444657	4300	<10	4.62%	1570	<0.5	1.81%	4.0	128
SIX0444658	3300	<10	4.62%	1580	6.0	1.87%	4.0	122
Std Nominal	6000	<10	4.05%	1070	2.0	2.21%	16.0	6930
Determined	5900	<10	3.91%	1060	1.5	2.21%	16.0	6810



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
BLANK 1	<50	<1	<0.2	<0.1	<50	<0.1	<1	<5
SIX0444510	<50	7	16.8	<0.1	100	0.5	3	<5
SIX0444511	250	13	9.8	<0.1	100	0.3	14	<5
SIX0444512	100	14	122	<0.1	100	0.4	6	<5
SIX0444513	250	16	170	<0.1	100	0.4	11	<5
SIX0444514	150	31	135	<0.1	100	0.3	6	<5
SIX0444515	200	24	135	<0.1	100	0.3	9	<5
SIX0444516	600	14	89.8	<0.1	100	0.3	37	<5
SIX0444517	200	26	126	<0.1	100	0.2	8	<5
SIX0444517 Rpt	200	27	130	<0.1	100	0.2	8	<5
SIX0444518	150	74	120	<0.1	150	0.3	6	5
SIX0444519	150	21	127	<0.1	100	0.2	6	<5
SIX0444520	100	26	106	<0.1	50	0.2	5	<5
Std Nominal	100	40			600	4.0	33	
Determined	150	41	26.8	<0.1	650	4.6	32	<5
SIX0444521	300	194	28.6	<0.1	150	0.4	13	5
SIX0444522	100	565	2.2	<0.1	150	0.6	<1	<5
SIX0444523	100	1070	57.8	<0.1	100	0.9	2	<5
SIX0444524	100	2130	7.8	<0.1	100	0.9	<1	<5
SIX0444525	100	580	2.8	<0.1	150	0.5	<1	<5
SIX0444526	100	618	13.2	<0.1	100	0.6	<1	<5
SIX0444527	<50	161	5.8	<0.1	200	0.3	<1	<5
SIX0444528	50	648	3.2	<0.1	1350	0.5	1	<5
SIX0444529	<50	315	16.0	<0.1	3450	0.4	<1	<5
SIX0444530	<50	109	1.6	<0.1	3.27%	0.4	<1	10
SIX0444531	200	934	40.6	<0.1	300	0.7	<1	<5
SIX0444532	<50	4950	8.6	<0.1	3050	2.2	2	10
SIX0444533	150	1030	12.6	<0.1	150	0.7	1	<5
Std Nominal	1300	3	20.0	<0.1	1.74%		19	<5
Determined	1250	3	19.4	<0.1	1.76%	0.3	18	<5
SIX0444534	50	2670	15.2	<0.1	150	1.1	<1	<5
SIX044534Q	400	2520	140	<0.1	3.74%	23.1	4	20
SIX0444535	100	2630	5.2	<0.1	200	1.2	<1	<5
SIX0444536	<50	1660	6.2	<0.1	4550	1.0	<1	<5
SIX0444537	500	2890	15.0	<0.1	3950	1.3	3	<5
SIX0444538	300	2780	10.6	<0.1	1.35%	1.6	2	10
SIX0444539	100	3290	2.2	<0.1	2.67%	1.2	<1	5
SIX0444540	150	1860	16.4	<0.1	1.60%	1.0	<1	10
SIX0444540 Rpt	150	1890	16.2	<0.1	1.64%	1.1	<1	10
SIX0444541	50	322	3.0	<0.1	3.16%	0.4	<1	5
SIX0444542	100	711	7.0	<0.1	550	0.5	5	<5



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
SIX0444543	650	179	6.2	<0.1	1150	0.3	46	5
SIX0444544	800	166	6.2	<0.1	1650	0.4	50	15
SIX0444545	150	162	27.0	<0.1	3350	0.4	12	35
Std Nominal	600	521	555		1.97%	13.0	15	5
Determined	650	521	554	<0.1	2.00%	13.0	14	<5
SIX0444546	650	143	4.8	<0.1	2750	0.4	42	10
SIX0444547	650	140	3.6	<0.1	6450	0.5	43	10
SIX0444548	800	105	14.2	<0.1	2650	0.3	45	10
SIX0444549	650	268	22.2	<0.1	1650	0.3	46	<5
SIX0444550	150	1650	30.0	<0.1	400	1.3	1	15
SIX0444551	100	1360	178	<0.1	150	1.2	2	15
SIX0444552	50	1110	41.0	<0.1	1.51%	0.9	1	20
BLANK 2	<50	<1	<0.2	<0.1	<50	<0.1	<1	<5
SIX0444553	50	2500	3.0	<0.1	1.03%	1.4	<1	5
SIX0444554	100	2950	12.2	<0.1	1.10%	0.7	<1	15
SIX0444555	<50	403	5.2	<0.1	3950	0.8	<1	<5
SIX0444556	100	1650	17.6	<0.1	7150	0.9	<1	<5
SIX0444557	100	1120	19.2	<0.1	1.21%	0.7	1	10
SIX0444558	250	2280	14.4	<0.1	9700	0.8	3	5
SIX0444559	150	1540	10.2	<0.1	3.03%	0.8	<1	5
SIX0444559Q	450	4160	99.2	<0.1	5.38%	44.0	6	<5
SIX0444560	50	624	4.4	<0.1	3.47%	0.7	<1	5
SIX0444561	100	996	1.2	<0.1	1.80%	0.8	<1	<5
SIX0444562	100	967	15.8	<0.1	2.87%	0.6	<1	5
Std Nominal		12	22.4		350	0.6		<5
Determined	250	12	21.6	<0.1	400	0.7	54	<5
SIX0444563	100	593	123	<0.1	2.56%	0.4	6	<5
SIX0444564	150	1280	3.6	<0.1	2.69%	0.8	1	5
SIX0444565	200	281	143	<0.1	5950	0.3	8	<5
SIX0444566	200	135	120	<0.1	300	0.2	7	<5
SIX0444567	600	34	13.8	<0.1	1300	0.3	33	<5
SIX0444568	600	78	9.2	<0.1	1300	0.3	35	<5
SIX0444569	500	89	18.4	<0.1	1350	0.3	34	<5
SIX0444570	450	76	31.4	<0.1	1400	0.3	33	<5
SIX0444571	550	67	22.0	<0.1	1700	0.3	36	<5
SIX0444572	600	67	23.6	<0.1	1600	0.3	36	<5
SIX0444573	500	111	34.6	<0.1	1250	0.3	32	<5
SIX0444574	600	77	44.6	<0.1	1400	0.2	36	<5
SIX0444575	500	35	11.8	<0.1	1350	0.2	32	<5
SIX0444576	100	24	46.8	<0.1	150	0.2	6	<5
SIX0444577	100	18	53.0	<0.1	150	0.2	5	<5



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
SIX0444578	150	11	70.0	<0.1	150	0.2	6	<5
SIX0444579	100	20	85.2	<0.1	100	0.2	4	<5
Std Nominal	1000				6650	0.9		5
Determined	950	24	162	<0.1	6750	0.9	12	5
SIX0444580	100	132	103	<0.1	200	0.2	4	<5
SIX0444581	300	43	133	<0.1	300	0.2	19	<5
SIX0444582	100	19	55.4	<0.1	100	0.2	6	<5
SIX0444582 Rpt	100	20	54.6	<0.1	100	0.2	5	<5
SIX0444583	100	17	44.0	<0.1	100	0.2	4	<5
SIX0444584	100	51	113	<0.1	150	0.2	6	<5
SIX0444584Q	400	2580	146	<0.1	3.72%	23.4	4	20
SIX0444585	100	37	76.2	<0.1	300	0.3	5	<5
SIX0444586	150	16	73.0	<0.1	300	0.2	8	<5
Std Nominal	100	40			600	4.0	33	
Determined	150	39	25.6	<0.1	650	4.7	32	<5
SIX0444587	100	9	93.6	<0.1	50	0.2	4	<5
SIX0444588	100	12	118	<0.1	100	0.2	7	<5
SIX0444589	150	20	114	<0.1	100	0.2	8	<5
SIX0444590	100	18	71.8	<0.1	200	0.2	5	<5
SIX0444590 Rpt	100	19	72.6	<0.1	200	0.3	5	<5
SIX0444591	600	6	23.8	<0.1	800	0.3	31	<5
SIX0444592	100	21	77.2	<0.1	200	0.2	6	<5
SIX0444593	600	28	17.2	<0.1	800	0.3	43	<5
SIX0444594	100	33	70.4	<0.1	100	0.2	5	<5
BLANK 3	<50	<1	<0.2	<0.1	<50	<0.1	<1	<5
SIX0444595	100	44	102	<0.1	100	0.8	5	<5
SIX0444596	450	34	35.4	<0.1	950	0.8	26	<5
SIX0444597	650	28	8.2	<0.1	1500	1.9	41	<5
SIX0444598	500	34	42.4	<0.1	1100	1.2	30	<5
SIX0444599	650	30	15.0	<0.1	1450	0.3	36	<5
SIX0444600	650	48	37.0	<0.1	1450	0.6	37	<5
Std Nominal	1300	3	20.0	<0.1	1.74%		19	<5
Determined	1250	4	19.2	<0.1	1.76%	0.2	18	<5
SIX0444601	200	19	76.4	<0.1	150	2.3	6	<5
SIX0444602	100	18	74.2	<0.1	100	0.8	4	<5
SIX0444603	100	19	74.4	<0.1	100	0.8	4	<5
SIX0444604	100	16	64.2	<0.1	100	0.8	5	<5
SIX0444605	300	15	71.2	<0.1	550	0.3	23	<5
SIX0444605 Rpt	300	15	69.4	<0.1	600	0.3	24	<5
SIX0444606	100	15	113	<0.1	150	0.4	7	<5
SIX0444607	100	8	84.8	<0.1	100	0.6	5	<5



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
SIX0444608	100	10	73.4	<0.1	100	0.2	4	<5
SIX0444609	100	11	76.0	<0.1	250	187	5	<5
SIX0444609Q	1000	24	248	<0.1	900	209	11	<5
SIX0444610	200	19	80.0	<0.1	450	37.2	14	<5
SIX0444611	150	17	58.6	<0.1	350	196	9	<5
SIX0444612	100	44	84.6	<0.1	350	215	6	<5
SIX0444613	600	38	18.6	<0.1	1400	277	34	<5
SIX0444614	700	90	71.8	<0.1	1450	1.2	29	<5
SIX0444615	500	44	19.2	<0.1	800	0.5	39	<5
Std Nominal	600	521	555		1.97%	13.0	15	5
Determined	600	518	554	<0.1	2.00%	12.9	15	5
SIX0444616	450	34	11.2	<0.1	800	0.3	36	<5
SIX0444617	550	45	34.4	<0.1	1150	0.5	32	<5
SIX0444618	500	83	20.4	<0.1	1800	0.4	34	<5
SIX0444619	550	66	10.4	<0.1	1150	0.3	39	<5
SIX0444620	600	40	38.0	<0.1	1350	0.3	36	<5
SIX0444621	600	29	14.6	<0.1	1250	0.3	37	<5
SIX0444622	550	47	29.0	<0.1	1250	0.2	35	<5
SIX0444623	600	27	15.2	<0.1	1150	0.2	36	<5
SIX0444623 Rpt	600	27	15.0	<0.1	1150	0.2	36	<5
SIX0444624	550	54	40.4	<0.1	1550	0.2	33	<5
SIX0444625	550	48	20.6	<0.1	1600	0.2	34	<5
SIX0444626	600	31	9.8	<0.1	1400	0.3	35	<5
SIX0444627	600	45	15.6	<0.1	2250	0.2	35	<5
SIX0444628	500	102	58.6	<0.1	1.86%	0.2	32	5
Std Nominal		12	22.4		350	0.6		<5
Determined	250	13	22.0	<0.1	400	0.7	56	<5
SIX0444629	450	131	105	<0.1	2.80%	0.2	24	10
SIX0444630	600	80	27.4	<0.1	3450	0.2	38	<5
SIX0444631	600	114	68.6	<0.1	6850	0.2	33	<5
SIX0444632	600	38	9.8	<0.1	1600	0.2	35	<5
SIX0444633	550	58	46.8	<0.1	1550	0.2	33	<5
SIX0444634	500	69	52.6	<0.1	1350	0.2	25	<5
SIX0444634Q	450	4140	98.8	<0.1	5.39%	43.6	6	<5
SIX0444635	550	58	26.6	<0.1	1700	0.4	34	<5
SIX0444636	750	74	38.2	<0.1	2500	0.3	39	<5
BLANK 4	<50	<1	<0.2	<0.1	<50	<0.1	<1	<5
SIX0444637	600	73	21.6	<0.1	1500	0.3	35	<5
SIX0444638	200	15	54.8	<0.1	350	0.3	11	<5
SIX0444639	150	15	98.6	<0.1	150	0.2	9	<5
SIX0444640	100	16	87.0	<0.1	100	0.3	5	<5



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
SIX0444641	100	12	111	<0.1	100	0.2	5	<5
Std Nominal	1000				6650	0.9		5
Determined	1000	28	163	<0.1	6650	1.0	13	10
SIX0444642	100	8	98.6	<0.1	150	0.2	7	<5
SIX0444643	100	8	102	<0.1	150	0.3	5	<5
SIX0444643 Rpt	100	8	104	<0.1	100	0.2	5	<5
SIX0444644	100	10	126	<0.1	100	0.2	5	<5
SIX0444645	100	10	130	<0.1	100	0.2	5	<5
SIX0444646	150	15	160	<0.1	200	0.2	7	<5
SIX0444647	150	19	159	<0.1	100	0.2	6	<5
SIX0444648	100	11	58.2	<0.1	150	0.2	5	<5
SIX0444649	100	6	32.6	<0.1	100	0.4	4	<5
SIX0444650	100	8	50.6	<0.1	100	0.3	6	<5
SIX0444651	50	45	45.8	<0.1	150	0.2	4	<5
SIX0444652	100	41	81.4	<0.1	100	0.3	5	<5
Std Nominal	100	40			600	4.0	33	
Determined	100	40	25.2	<0.1	650	5.0	33	<5
SIX0444653	100	30	85.8	<0.1	150	0.2	5	<5
SIX0444654	200	48	70.4	<0.1	400	0.3	8	<5
SIX0444655	600	70	23.6	<0.1	1950	0.3	36	<5
SIX0444655 Rpt	650	70	23.2	<0.1	1850	0.2	36	<5
SIX0444656	650	21	17.8	<0.1	1450	0.3	38	<5
SIX0444657	650	56	13.8	<0.1	1500	0.3	35	<5
SIX0444658	550	43	8.8	<0.1	1150	0.3	34	<5
Std Nominal	1300	3	20.0	<0.1	1.74%		19	<5
Determined	1250	4	19.6	<0.1	1.74%	0.4	18	<5



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
BLANK 1	<0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444510	1.0	2.5	0.3	<0.2	3.7	650	<0.1	0.9
SIX0444511	1.9	8.5	0.4	<0.2	4.6	4450	<0.1	0.9
SIX0444512	5.8	70.0	0.9	<0.2	20.5	1600	0.5	2.6
SIX0444513	5.2	78.0	0.8	<0.2	39.0	2950	0.7	2.2
SIX0444514	5.2	73.0	0.9	<0.2	25.2	1550	0.6	2.4
SIX0444515	5.8	76.0	0.9	<0.2	20.9	2150	0.5	2.1
SIX0444516	4.7	73.0	0.3	<0.2	2.1	7050	0.4	0.6
SIX0444517	5.4	73.5	0.9	<0.2	21.4	1950	0.5	2.4
SIX0444517 Rpt	5.6	73.5	0.8	<0.2	22.2	1950	0.5	2.3
SIX0444518	8.7	58.5	0.7	<0.2	17.5	1400	0.6	2.2
SIX0444519	4.7	73.0	0.8	<0.2	23.5	1650	0.5	2.4
SIX0444520	5.1	59.5	0.8	<0.2	19.2	1250	0.4	2.6
Std Nominal	2.0	42.0	0.1			3400		
Determined	1.9	42.0	0.2	0.2	2.2	3300	0.6	2.1
SIX0444521	12.5	39.5	0.3	<0.2	2.4	2550	0.3	1.9
SIX0444522	12.8	6.0	<0.1	<0.2	0.4	100	<0.1	0.9
SIX0444523	13.2	41.0	2.3	<0.2	2.2	450	0.4	0.8
SIX0444524	6.0	30.0	0.1	<0.2	0.5	100	<0.1	1.3
SIX0444525	4.5	28.0	0.2	<0.2	0.4	50	<0.1	1.2
SIX0444526	6.4	27.5	0.2	<0.2	0.6	50	<0.1	3.0
SIX0444527	6.2	43.5	<0.1	<0.2	<0.1	50	<0.1	1.1
SIX0444528	7.8	63.0	<0.1	<0.2	<0.1	350	<0.1	1.0
SIX0444529	9.2	51.0	<0.1	<0.2	0.2	50	<0.1	0.6
SIX0444530	11.2	112	<0.1	<0.2	1.1	50	<0.1	3.6
SIX0444531	15.0	23.0	0.5	<0.2	5.1	150	0.3	4.9
SIX0444532	42.5	50.5	1.6	<0.2	1.0	250	<0.1	0.7
SIX0444533	8.1	18.5	0.2	<0.2	3.5	350	<0.1	3.2
Std Nominal	2.0	365	1.0		2.8	1.02%	0.1	0.7
Determined	1.9	362	1.0	<0.2	2.7	1.03%	0.2	0.7
SIX0444534	8.2	23.5	0.2	<0.2	2.3	200	0.2	3.3
SIX044534Q	9.3	144	1.1	3.6	13.2	1600	3.9	4.6
SIX0444535	10.3	37.5	<0.1	<0.2	0.2	100	<0.1	2.0
SIX0444536	7.7	55.0	0.2	<0.2	<0.1	50	<0.1	0.6
SIX0444537	14.5	59.5	0.7	<0.2	9.2	200	<0.1	7.7
SIX0444538	21.3	57.5	0.8	<0.2	4.6	150	<0.1	5.4
SIX0444539	8.7	73.5	<0.1	<0.2	0.6	50	<0.1	0.9
SIX0444540	19.9	31.0	0.1	<0.2	1.1	100	0.2	3.1
SIX0444540 Rpt	20.1	31.5	0.1	<0.2	1.1	100	0.2	3.1
SIX0444541	9.5	70.5	<0.1	<0.2	0.2	50	<0.1	0.3
SIX0444542	15.1	27.5	0.3	<0.2	1.2	1000	<0.1	2.1



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
SIX0444543	5.8	99.0	0.3	<0.2	1.2	8450	<0.1	0.3
SIX0444544	54.9	114	0.5	<0.2	1.4	8600	<0.1	0.7
SIX0444545	38.3	31.5	0.5	<0.2	4.3	1550	0.3	2.6
Std Nominal	2.0	104	0.4		2.7	5100	6.0	0.8
Determined	2.2	103	0.3	<0.2	2.8	4950	5.9	0.8
SIX0444546	42.9	99.0	0.7	<0.2	2.9	7650	<0.1	1.2
SIX0444547	85.5	86.0	0.7	<0.2	2.1	7950	<0.1	0.9
SIX0444548	22.7	116	0.5	<0.2	3.0	8600	<0.1	0.8
SIX0444549	13.5	112	0.4	<0.2	3.8	8500	0.3	1.2
SIX0444550	20.8	3.0	0.2	<0.2	1.2	250	0.3	1.8
SIX0444551	22.6	32.5	0.9	<0.2	5.2	950	1.2	1.2
SIX0444552	24.1	32.0	0.6	<0.2	4.0	350	0.3	3.0
BLANK 2	<0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444553	8.8	16.0	0.2	<0.2	0.4	100	<0.1	0.7
SIX0444554	8.1	10.0	0.5	<0.2	1.7	150	<0.1	2.2
SIX0444555	1.9	6.5	0.1	<0.2	0.7	50	<0.1	0.7
SIX0444556	3.3	8.5	0.2	<0.2	1.0	50	<0.1	0.9
SIX0444557	11.4	13.5	0.5	<0.2	1.4	150	0.2	1.5
SIX0444558	21.6	28.0	1.1	<0.2	7.1	250	<0.1	10.9
SIX0444559	18.1	27.0	0.6	<0.2	3.6	100	<0.1	6.3
SIX0444559Q	2.3	346	0.5	<0.2	4.0	2100	24.3	5.5
SIX0444560	8.0	16.0	<0.1	<0.2	<0.1	100	0.2	<0.1
SIX0444561	5.3	58.5	<0.1	<0.2	<0.1	5050	<0.1	0.5
SIX0444562	10.6	45.0	0.2	<0.2	2.2	100	<0.1	7.0
Std Nominal	1.9	27.0	1.1			8800	0.1	
Determined	2.0	26.0	1.0	0.2	7.3	8750	0.2	1.6
SIX0444563	12.5	69.5	1.4	<0.2	10.9	550	0.4	19.3
SIX0444564	8.6	125	<0.1	<0.2	0.3	200	<0.1	0.4
SIX0444565	8.2	69.5	1.1	<0.2	33.0	2550	0.8	4.2
SIX0444566	3.4	102	0.6	<0.2	24.1	1700	0.6	1.9
SIX0444567	2.1	95.5	0.4	<0.2	2.6	6600	<0.1	1.0
SIX0444568	1.5	103	0.3	<0.2	2.8	6900	<0.1	0.5
SIX0444569	1.9	99.0	0.3	<0.2	2.1	6450	<0.1	0.5
SIX0444570	2.4	95.5	0.3	<0.2	1.7	5800	0.2	0.6
SIX0444571	3.0	94.0	0.4	<0.2	1.6	6700	<0.1	0.9
SIX0444572	2.4	98.0	0.4	<0.2	3.1	6800	<0.1	0.7
SIX0444573	3.0	97.5	0.5	<0.2	5.3	6150	0.2	4.1
SIX0444574	4.4	88.5	1.0	<0.2	3.4	7150	0.2	2.1
SIX0444575	1.9	78.5	0.3	<0.2	4.1	6350	<0.1	0.7
SIX0444576	1.1	123	0.7	<0.2	17.2	1450	0.2	2.7
SIX0444577	1.9	58.5	0.8	<0.2	18.2	1400	0.3	6.3



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
SIX0444578	3.3	63.5	1.0	<0.2	21.3	1650	0.3	3.2
SIX0444579	2.8	51.0	0.7	<0.2	24.5	1400	0.4	2.7
Std Nominal				<0.2				4.0
Determined	7.5	356	1.1	<0.2	15.8	4500	0.8	4.4
SIX0444580	3.1	74.0	0.8	<0.2	20.0	1500	0.5	2.4
SIX0444581	5.2	51.5	0.9	<0.2	20.0	4400	0.7	4.4
SIX0444582	2.2	60.5	0.6	<0.2	20.1	1450	0.3	2.5
SIX0444582 Rpt	2.3	60.5	0.6	<0.2	19.4	1450	0.3	2.3
SIX0444583	2.3	55.5	0.8	<0.2	20.0	1300	0.2	3.0
SIX0444584	3.5	64.5	0.9	<0.2	21.0	1550	0.5	10.7
SIX0444584Q	5.6	149	1.1	3.8	13.7	1500	4.0	4.8
SIX0444585	2.8	58.0	0.6	<0.2	15.9	1350	0.4	4.2
SIX0444586	4.0	73.5	0.9	<0.2	16.7	1850	0.3	2.8
Std Nominal	2.0	42.0	0.1			3400		
Determined	1.9	43.0	0.2	0.2	2.0	3300	0.5	2.1
SIX0444587	4.5	50.5	0.8	<0.2	18.5	1200	0.4	3.0
SIX0444588	6.5	54.5	1.0	<0.2	22.5	1650	0.5	3.4
SIX0444589	5.7	60.0	0.8	<0.2	23.6	1750	0.5	2.8
SIX0444590	3.3	68.0	0.7	<0.2	17.9	1300	0.3	4.8
SIX0444590 Rpt	3.5	68.5	0.7	<0.2	18.1	1300	0.3	4.8
SIX0444591	5.4	85.0	0.8	<0.2	5.1	6500	<0.1	2.4
SIX0444592	3.1	66.5	0.9	<0.2	20.5	1550	0.3	4.0
SIX0444593	5.0	91.5	0.9	<0.2	5.0	8800	<0.1	2.2
SIX0444594	2.6	91.0	0.8	<0.2	18.1	1400	0.3	2.5
BLANK 3	<0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444595	4.1	129	1.2	<0.2	19.4	1700	0.5	2.8
SIX0444596	2.3	120	0.5	<0.2	9.9	5600	0.2	1.6
SIX0444597	2.4	104	0.4	<0.2	1.3	8100	<0.1	0.5
SIX0444598	3.3	102	0.6	<0.2	8.2	6100	0.2	2.1
SIX0444599	1.5	105	0.2	<0.2	1.1	7300	<0.1	0.4
SIX0444600	2.1	98.5	0.3	<0.2	2.5	7300	0.2	0.7
Std Nominal	2.0	365	1.0		2.8	1.02%	0.1	0.7
Determined	1.9	362	1.0	<0.2	2.5	1.04%	0.2	0.6
SIX0444601	4.1	117	1.1	<0.2	18.7	1750	0.3	3.0
SIX0444602	4.0	137	0.9	<0.2	19.4	1300	0.3	2.5
SIX0444603	4.5	143	1.2	<0.2	20.4	1250	0.3	3.2
SIX0444604	2.8	78.5	0.8	<0.2	19.1	1450	0.3	3.1
SIX0444605	3.2	82.5	0.8	<0.2	34.0	4800	0.3	2.9
SIX0444605 Rpt	3.2	82.0	0.8	<0.2	33.4	5000	0.3	3.1
SIX0444606	3.8	79.0	1.1	<0.2	35.5	2100	0.5	2.9
SIX0444607	5.7	62.5	0.9	<0.2	20.6	1400	0.3	2.4



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
SIX0444608	6.0	74.5	1.2	<0.2	19.1	1250	0.3	3.9
SIX0444609	3.4	61.5	0.2	<0.2	17.9	1250	0.3	2.9
SIX0444609Q	4.5	315	1.0	<0.2	22.6	5200	1.1	6.7
SIX0444610	4.2	70.5	0.9	<0.2	24.1	3000	0.3	6.2
SIX0444611	3.3	78.5	0.7	<0.2	18.3	2250	0.3	3.4
SIX0444612	1.9	145	0.6	<0.2	24.3	1850	0.4	2.7
SIX0444613	2.5	103	0.3	<0.2	2.5	6700	<0.1	1.0
SIX0444614	4.7	97.5	0.8	<0.2	18.7	5150	0.3	2.9
SIX0444615	2.6	102	0.4	<0.2	1.4	6000	<0.1	0.7
Std Nominal	2.0	104	0.4		2.7	5100	6.0	0.8
Determined	2.0	103	0.3	<0.2	2.6	4850	6.1	0.8
SIX0444616	2.8	101	0.3	<0.2	1.0	5500	<0.1	0.6
SIX0444617	2.3	95.0	0.3	<0.2	1.1	5600	0.2	0.6
SIX0444618	2.6	106	0.3	<0.2	1.1	6450	<0.1	0.6
SIX0444619	2.3	102	0.3	<0.2	0.9	7000	<0.1	0.5
SIX0444620	2.0	97.0	0.4	<0.2	3.6	7200	0.2	0.6
SIX0444621	1.5	101	0.2	<0.2	1.0	7550	<0.1	0.3
SIX0444622	2.0	99.5	0.3	<0.2	1.0	7000	0.2	0.4
SIX0444623	1.9	100	0.2	<0.2	1.1	7000	<0.1	0.4
SIX0444623 Rpt	1.8	98.5	0.3	<0.2	1.1	7000	<0.1	0.4
SIX0444624	3.7	88.5	0.4	<0.2	2.6	6300	0.2	1.2
SIX0444625	2.4	97.0	0.3	<0.2	1.3	6850	<0.1	0.5
SIX0444626	1.2	101	0.2	<0.2	1.0	6900	<0.1	0.3
SIX0444627	1.9	98.5	0.2	<0.2	0.6	7050	<0.1	0.3
SIX0444628	4.5	89.0	0.7	<0.2	4.7	6300	0.4	2.2
Std Nominal	1.9	27.0	1.1			8800	0.1	
Determined	2.0	26.5	1.0	<0.2	7.4	9100	0.2	1.6
SIX0444629	3.3	115	0.8	<0.2	8.6	5750	0.7	3.7
SIX0444630	4.2	92.5	0.5	<0.2	2.1	7000	0.2	1.2
SIX0444631	5.4	93.0	0.6	<0.2	1.8	7100	0.4	1.2
SIX0444632	2.0	102	0.3	<0.2	1.1	7150	<0.1	0.5
SIX0444633	5.3	97.0	0.7	<0.2	3.3	6000	0.2	3.0
SIX0444634	3.6	102	0.7	<0.2	5.6	5000	0.2	3.4
SIX0444634Q	2.4	357	0.6	<0.2	4.2	2450	24.8	5.7
SIX0444635	3.4	95.5	0.5	<0.2	2.4	6600	0.3	1.3
SIX0444636	10.1	95.5	0.6	<0.2	1.9	6400	0.2	0.9
BLANK 4	<0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444637	5.9	96.5	0.5	<0.2	3.1	6850	<0.1	0.8
SIX0444638	4.3	79.5	1.0	<0.2	16.6	2550	0.3	3.9
SIX0444639	5.1	65.0	0.9	<0.2	25.3	2100	0.5	3.2
SIX0444640	5.9	66.0	1.1	<0.2	22.8	1200	0.4	3.4



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
SIX0444641	6.4	57.0	1.1	<0.2	21.5	1450	0.5	2.9
Std Nominal				<0.2				4.0
Determined	7.6	376	1.1	0.2	15.7	4400	0.9	4.3
SIX0444642	6.2	65.0	1.1	<0.2	21.0	1550	0.4	3.7
SIX0444643	5.5	58.0	1.1	<0.2	19.8	1400	0.4	3.4
SIX0444643 Rpt	5.4	59.0	1.1	<0.2	19.2	1400	0.4	3.4
SIX0444644	6.3	53.0	1.1	<0.2	20.0	1400	0.5	3.2
SIX0444645	6.7	55.0	1.1	<0.2	22.9	1400	0.5	3.3
SIX0444646	8.2	59.5	1.0	<0.2	18.7	1800	0.7	2.6
SIX0444647	6.5	69.5	0.9	<0.2	25.0	1500	0.6	2.9
SIX0444648	4.6	72.5	0.9	<0.2	22.2	1350	0.3	3.6
SIX0444649	3.7	62.0	0.9	<0.2	18.7	1200	0.2	4.3
SIX0444650	4.0	60.0	0.9	<0.2	22.5	1400	0.2	3.9
SIX0444651	3.6	73.5	0.7	<0.2	17.2	1200	0.2	3.5
SIX0444652	4.6	78.0	1.0	<0.2	20.0	1350	0.4	4.5
Std Nominal	2.0	42.0	0.1			3400		
Determined	1.9	42.0	0.2	<0.2	2.2	3350	0.6	2.2
SIX0444653	5.3	84.0	1.1	<0.2	19.8	1350	0.4	4.2
SIX0444654	4.5	90.5	1.0	<0.2	19.9	2600	0.3	3.8
SIX0444655	3.4	91.5	0.3	<0.2	2.1	7200	0.2	0.4
SIX0444655 Rpt	3.3	88.5	0.3	<0.2	2.0	7250	<0.1	0.4
SIX0444656	2.0	95.0	0.3	<0.2	1.1	7550	<0.1	0.4
SIX0444657	1.6	128	0.3	<0.2	1.7	7000	<0.1	0.6
SIX0444658	1.4	99.5	0.3	<0.2	1.2	6250	<0.1	0.3
Std Nominal	2.0	365	1.0		2.8	1.02%	0.1	0.7
Determined	1.9	371	1.0	<0.2	2.5	1.02%	0.2	0.7



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
BLANK 1	<5	<0.5	<0.1	<2	<2	<0.1	<0.1	<0.05
SIX0444510	10	0.5	46.3	96	108	7.1	15.6	1.95
SIX0444511	120	1.5	42.2	274	94	10.5	22.9	3.05
SIX0444512	10	0.5	64.5	112	174	59.9	121	13.8
SIX0444513	50	1.0	54.8	772	134	95.0	184	19.8
SIX0444514	15	1.0	54.7	254	142	65.3	127	14.5
SIX0444515	35	1.5	62.8	444	174	54.1	111	12.3
SIX0444516	220	1.0	34.0	1300	46	12.0	23.3	3.70
SIX0444517	25	1.0	53.5	344	180	54.7	107	12.4
SIX0444517 Rpt	25	1.0	52.8	358	174	56.5	112	12.8
SIX0444518	20	10.0	48.8	1870	136	45.3	95.7	10.2
SIX0444519	10	1.0	62.4	296	170	62.8	126	14.0
SIX0444520	5	<0.5	56.2	454	208	54.0	106	12.1
Std Nominal	200	26.0	26.0	264	48	17.2	46.4	5.90
Determined	200	26.0	26.2	264	50	16.8	46.4	5.80
SIX0444521	110	15.5	30.8	1.37%	24	10.4	23.5	2.95
SIX0444522	<5	3.5	7.4	4930	4	1.3	3.7	0.55
SIX0444523	10	2.5	59.8	1.11%	10	6.0	18.3	3.05
SIX0444524	<5	10.5	6.0	2.44%	4	2.4	6.5	0.90
SIX0444525	<5	7.0	4.8	2.78%	<2	1.8	5.3	0.65
SIX0444526	<5	2.0	7.4	3.80%	4	1.7	5.6	0.80
SIX0444527	<5	4.0	5.5	4.85%	4	4.6	8.1	0.85
SIX0444528	10	4.5	5.8	3.49%	6	3.9	7.0	0.75
SIX0444529	<5	1.0	3.5	4.00%	4	0.5	1.7	0.25
SIX0444530	<5	1.0	4.2	4.28%	4	0.6	2.1	0.30
SIX0444531	<5	2.5	16.3	2.87%	10	3.9	9.2	1.25
SIX0444532	10	0.5	43.7	1.31%	24	4.7	16.0	2.55
SIX0444533	10	2.5	11.5	2.42%	6	3.2	8.7	1.15
Std Nominal	155	<0.5	19.9	104	126	16.8	35.0	4.20
Determined	150	<0.5	19.8	104	126	16.3	35.4	4.15
SIX0444534	5	12.0	15.1	1.67%	6	10.4	20.8	2.30
SIX044534Q	15	3.0	14.3	9040	168	39.5	83.9	8.95
SIX0444535	<5	13.5	9.9	2.21%	4	8.3	16.4	1.80
SIX0444536	<5	3.0	8.5	1.80%	4	3.1	7.0	0.80
SIX0444537	<5	29.5	45.4	1.29%	12	8.1	21.9	2.80
SIX0444538	<5	42.0	39.9	3.99%	10	8.2	22.6	3.00
SIX0444539	<5	2.0	13.3	1.70%	4	4.7	10.8	1.20
SIX0444540	5	11.5	14.5	2.33%	6	3.9	9.0	1.10
SIX0444540 Rpt	<5	11.5	14.7	2.35%	6	3.6	8.8	1.10
SIX0444541	<5	2.0	13.1	2.33%	4	5.7	12.1	1.30
SIX0444542	40	14.5	12.7	4.31%	8	3.5	8.9	1.15



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444543	325	2.5	39.4	924	16	9.6	25.0	3.25
SIX0444544	300	3.5	52.4	932	24	14.9	41.7	5.30
SIX0444545	65	52.5	31.5	674	32	8.8	22.6	2.85
Std Nominal	120	2.5	17.5	5200	96	12.6	24.3	3.40
Determined	120	2.5	17.1	5170	96	12.9	23.7	3.25
SIX0444546	260	12.5	51.7	586	44	12.4	33.0	4.35
SIX0444547	300	5.5	73.5	756	42	12.0	36.6	5.30
SIX0444548	325	2.5	51.0	498	34	11.0	28.2	3.70
SIX0444549	325	39.5	39.5	954	40	10.0	25.4	3.25
SIX0444550	10	10.5	30.9	5090	4	3.0	8.6	1.20
SIX0444551	10	6.0	34.6	1.03%	26	6.3	15.3	1.85
SIX0444552	<5	0.5	25.6	2.83%	10	6.2	16.8	2.10
BLANK 2	<5	<0.5	<0.1	<2	<2	<0.1	<0.1	<0.05
SIX0444553	<5	13.0	6.0	9720	4	3.2	5.8	0.60
SIX0444554	<5	15.5	24.0	1.65%	6	4.7	13.3	1.80
SIX0444555	<5	<0.5	6.5	8470	4	2.1	5.0	0.60
SIX0444556	<5	2.5	10.4	9770	4	2.0	5.9	0.80
SIX0444557	<5	1.0	29.0	2.26%	4	4.6	12.0	1.65
SIX0444558	5	25.5	51.2	1.58%	14	6.8	17.6	2.45
SIX0444559	<5	5.5	22.6	3.29%	10	3.2	9.7	1.45
SIX0444559Q	30	21.0	21.1	1.07%	102	15.9	39.7	5.35
SIX0444560	<5	13.0	4.1	4.06%	6	1.7	3.5	0.40
SIX0444561	<5	7.5	7.6	1.05%	4	4.5	8.2	0.95
SIX0444562	<5	3.0	22.2	9440	8	6.6	13.4	1.60
Std Nominal		1.0			132			
Determined	265	1.0	10.5	40	130	12.9	24.5	2.85
SIX0444563	20	3.0	76.2	2.54%	18	19.8	41.4	4.85
SIX0444564	<5	3.0	19.2	1.31%	6	13.8	25.4	2.75
SIX0444565	15	<0.5	62.2	3300	272	80.1	171	19.3
SIX0444566	20	<0.5	23.2	238	114	56.8	112	12.0
SIX0444567	205	0.5	36.0	168	22	12.6	27.8	3.45
SIX0444568	220	0.5	30.8	194	18	8.7	20.8	2.75
SIX0444569	215	0.5	31.4	202	18	8.9	20.5	2.65
SIX0444570	205	1.5	31.6	208	20	8.0	19.2	2.50
SIX0444571	225	1.5	40.5	282	24	8.7	21.5	2.90
SIX0444572	215	0.5	48.7	244	20	11.9	28.0	3.65
SIX0444573	200	1.0	49.1	206	34	10.5	25.0	3.30
SIX0444574	225	1.0	72.2	236	34	13.8	34.9	4.70
SIX0444575	200	1.0	35.0	136	24	12.1	27.3	3.40
SIX0444576	10	<0.5	23.6	70	244	56.1	111	12.4
SIX0444577	10	<0.5	26.1	72	240	57.0	114	12.6



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444578	15	<0.5	45.0	52	232	64.5	135	15.1
SIX0444579	<5	<0.5	29.3	42	258	66.2	136	14.7
Std Nominal				92				
Determined	130	3.5	22.3	96	72	30.2	60.0	7.15
SIX0444580	5	0.5	20.1	212	248	55.4	106	11.8
SIX0444581	130	1.5	45.2	162	190	48.4	99.3	11.6
SIX0444582	<5	<0.5	30.3	54	252	65.8	127	14.2
SIX0444582 Rpt	<5	<0.5	29.3	52	250	65.2	129	14.0
SIX0444583	<5	<0.5	26.9	54	280	64.2	132	14.6
SIX0444584	5	<0.5	29.9	98	210	59.4	118	13.3
SIX0444584Q	15	3.0	14.2	9950	168	40.7	82.3	9.45
SIX0444585	5	<0.5	27.6	66	218	46.4	89.4	10.1
SIX0444586	30	0.5	41.5	54	174	53.3	105	12.3
Std Nominal	200	26.0	26.0	264	48	17.2	46.4	5.90
Determined	200	26.0	26.4	266	48	16.6	45.9	5.85
SIX0444587	<5	<0.5	48.9	30	252	57.6	112	12.3
SIX0444588	15	<0.5	59.9	48	234	63.5	127	14.5
SIX0444589	15	<0.5	48.0	52	202	66.3	139	15.8
SIX0444590	<5	<0.5	38.5	36	218	62.0	122	13.9
SIX0444590 Rpt	<5	<0.5	38.2	36	216	63.8	127	14.3
SIX0444591	190	2.0	44.5	118	60	14.1	33.7	4.55
SIX0444592	15	<0.5	52.3	44	186	57.9	118	13.5
SIX0444593	345	2.5	48.9	140	62	14.3	34.2	4.50
SIX0444594	<5	<0.5	34.2	66	254	59.7	116	13.0
BLANK 3	<5	<0.5	<0.1	<2	<2	<0.1	<0.1	<0.05
SIX0444595	<5	<0.5	24.5	76	278	59.4	116	12.8
SIX0444596	160	0.5	28.5	116	126	26.9	54.2	6.35
SIX0444597	255	<0.5	38.2	142	24	9.1	21.8	2.95
SIX0444598	180	1.0	39.1	152	80	24.3	53.2	6.45
SIX0444599	235	0.5	32.9	148	16	11.9	24.4	3.15
SIX0444600	230	1.0	33.0	200	20	10.8	25.6	3.30
Std Nominal	155	<0.5	19.9	104	126	16.8	35.0	4.20
Determined	150	<0.5	19.4	104	126	16.7	34.0	4.20
SIX0444601	15	1.0	26.3	94	212	57.2	117	13.1
SIX0444602	<5	<0.5	30.9	64	264	61.0	122	13.7
SIX0444603	<5	1.5	27.0	86	306	60.2	124	13.7
SIX0444604	<5	<0.5	38.4	50	290	63.1	123	13.3
SIX0444605	145	1.0	36.8	108	194	58.4	123	13.8
SIX0444605 Rpt	150	1.0	38.0	104	190	58.8	132	13.2
SIX0444606	<5	<0.5	28.3	58	250	78.4	160	17.6
SIX0444607	<5	<0.5	34.6	34	212	60.7	120	13.3



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444608	<5	<0.5	48.7	32	256	56.9	115	13.0
SIX0444609	<5	<0.5	49.3	40	248	59.3	115	12.6
SIX0444609Q	115	3.0	28.7	68	114	44.3	87.0	9.75
SIX0444610	80	1.0	54.7	74	196	59.8	127	14.5
SIX0444611	45	<0.5	54.7	72	266	56.6	114	12.9
SIX0444612	15	<0.5	28.8	84	304	66.9	133	14.5
SIX0444613	210	0.5	39.8	150	32	9.3	22.5	3.05
SIX0444614	165	1.0	70.6	380	38	28.6	68.9	8.90
SIX0444615	210	<0.5	35.8	166	22	8.0	19.1	2.55
Std Nominal	120	2.5	17.5	5200	96	12.6	24.3	3.40
Determined	120	2.5	17.3	5120	94	12.2	23.3	3.05
SIX0444616	185	<0.5	27.2	152	28	7.0	16.3	2.20
SIX0444617	175	0.5	28.0	208	20	7.4	17.4	2.35
SIX0444618	230	1.0	28.5	264	20	8.0	18.9	2.50
SIX0444619	245	0.5	29.2	196	24	7.3	17.3	2.35
SIX0444620	240	0.5	37.7	182	28	11.7	26.7	3.45
SIX0444621	230	0.5	27.6	144	16	7.3	17.0	2.25
SIX0444622	220	0.5	28.0	160	16	7.3	17.0	2.30
SIX0444623	220	<0.5	30.5	180	22	8.1	19.1	2.50
SIX0444623 Rpt	220	<0.5	29.4	178	20	8.0	18.8	2.45
SIX0444624	200	<0.5	39.9	252	34	11.1	25.8	3.35
SIX0444625	215	<0.5	31.8	194	18	8.9	20.9	2.75
SIX0444626	225	<0.5	25.4	156	14	7.0	16.0	2.15
SIX0444627	230	<0.5	28.8	232	16	7.5	18.0	2.40
SIX0444628	200	<0.5	47.4	306	38	12.4	30.7	4.00
Std Nominal		1.0			132			
Determined	265	1.0	10.6	38	132	12.9	24.6	2.85
SIX0444629	160	<0.5	41.9	230	60	11.9	27.0	3.40
SIX0444630	225	<0.5	54.3	232	32	12.8	32.4	4.30
SIX0444631	215	<0.5	52.1	314	34	13.4	33.6	4.40
SIX0444632	225	<0.5	30.8	158	18	7.9	19.0	2.55
SIX0444633	195	0.5	69.3	294	38	12.0	30.8	4.35
SIX0444634	155	0.5	49.7	196	30	12.4	28.3	3.60
SIX0444634Q	30	22.5	21.0	1.09%	112	13.7	41.2	6.30
SIX0444635	205	0.5	41.8	216	30	10.1	24.2	3.30
SIX0444636	210	0.5	117	452	30	13.4	39.3	6.05
BLANK 4	<5	<0.5	<0.1	<2	<2	<0.1	<0.1	<0.05
SIX0444637	215	0.5	54.7	342	32	12.6	31.5	4.20
SIX0444638	45	0.5	42.9	68	224	48.6	97.2	10.5
SIX0444639	25	<0.5	41.7	64	274	57.5	115	12.4
SIX0444640	<5	<0.5	50.0	46	282	49.2	97.1	10.5



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444641	<5	<0.5	49.4	48	282	59.1	115	12.3
Std Nominal				92				
Determined	125	4.0	23.5	90	74	30.0	59.8	7.30
SIX0444642	20	0.5	58.4	42	256	49.7	113	12.4
SIX0444643	<5	<0.5	62.3	38	276	56.7	123	13.2
SIX0444643 Rpt	<5	<0.5	62.6	36	278	55.5	123	13.6
SIX0444644	<5	<0.5	65.7	52	244	53.6	119	12.8
SIX0444645	<5	<0.5	69.8	48	314	53.3	120	12.8
SIX0444646	20	1.0	50.5	88	186	45.7	101	11.0
SIX0444647	10	0.5	64.6	64	162	51.7	117	12.7
SIX0444648	<5	<0.5	72.3	44	258	55.5	128	13.6
SIX0444649	<5	<0.5	69.1	38	268	53.2	118	12.7
SIX0444650	<5	<0.5	75.0	48	284	59.6	135	14.4
SIX0444651	<5	<0.5	46.5	44	216	47.2	101	10.8
SIX0444652	<5	<0.5	70.8	68	288	57.3	126	13.6
Std Nominal	200	26.0	26.0	264	48	17.2	46.4	5.90
Determined	205	26.5	26.1	264	50	17.4	48.1	5.85
SIX0444653	<5	<0.5	51.6	60	288	58.1	116	12.6
SIX0444654	30	0.5	53.4	68	272	61.8	128	13.6
SIX0444655	230	<0.5	39.9	134	28	12.0	27.5	3.45
SIX0444655 Rpt	230	<0.5	39.0	136	26	12.1	26.0	3.35
SIX0444656	240	0.5	34.5	122	18	8.2	19.7	2.55
SIX0444657	220	<0.5	29.9	118	18	10.0	23.2	3.00
SIX0444658	205	<0.5	27.2	118	12	7.4	17.0	2.20
Std Nominal	155	<0.5	19.9	104	126	16.8	35.0	4.20
Determined	150	<0.5	19.9	104	124	16.7	34.7	4.10



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
BLANK 1	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444510	7.75	2.40	0.20	4.2	1.00	7.65	1.84	5.65
SIX0444511	13.3	3.80	0.65	4.8	1.02	7.25	1.70	5.30
SIX0444512	51.9	11.7	1.65	10.6	1.74	11.2	2.56	8.15
SIX0444513	71.0	13.8	1.65	11.8	1.78	10.5	2.14	6.30
SIX0444514	54.5	11.9	1.55	10.4	1.70	11.1	2.12	6.55
SIX0444515	46.8	10.3	1.60	9.8	1.64	10.6	2.44	7.65
SIX0444516	16.5	4.80	1.35	5.6	1.02	6.40	1.34	3.90
SIX0444517	46.6	9.60	1.50	9.6	1.56	9.80	2.18	7.05
SIX0444517 Rpt	46.1	9.65	1.60	9.8	1.60	10.0	2.22	7.00
SIX0444518	38.9	8.70	1.10	8.4	1.40	8.75	1.86	5.50
SIX0444519	53.1	11.3	1.70	10.4	1.66	10.6	2.42	7.90
SIX0444520	45.0	10.0	1.50	9.4	1.56	10.0	2.16	6.75
Std Nominal	25.2			6.2	0.96	5.65	1.14	3.20
Determined	24.7	5.90	1.65	6.2	0.96	5.65	1.16	3.25
SIX0444521	13.2	3.95	0.70	4.8	0.90	5.65	1.16	3.15
SIX0444522	2.50	0.85	0.15	1.2	0.20	1.15	0.22	0.55
SIX0444523	14.8	6.15	0.60	8.2	1.72	11.2	2.24	6.35
SIX0444524	3.60	1.05	0.45	1.2	0.18	1.10	0.20	0.55
SIX0444525	2.60	0.75	0.35	0.8	0.14	0.85	0.16	0.40
SIX0444526	3.40	1.05	0.35	1.0	0.20	1.30	0.24	0.75
SIX0444527	2.95	0.75	0.40	0.8	0.14	0.80	0.16	0.40
SIX0444528	2.95	0.80	0.40	1.0	0.16	0.90	0.18	0.50
SIX0444529	1.15	0.45	0.25	0.6	0.10	0.65	0.12	0.35
SIX0444530	1.45	0.60	0.35	0.6	0.12	0.75	0.14	0.40
SIX0444531	5.10	1.80	0.55	2.2	0.42	2.70	0.56	1.60
SIX0444532	12.4	4.65	1.60	6.0	1.20	8.05	1.64	4.75
SIX0444533	4.80	1.45	0.35	1.6	0.32	2.05	0.42	1.15
Std Nominal	18.0	4.60	1.60	4.6	0.70	4.10	0.80	1.95
Determined	17.7	4.65	1.60	4.8	0.74	4.10	0.80	1.95
SIX0444534	8.50	2.25	0.40	2.4	0.42	2.50	0.50	1.40
SIX0444534Q	34.0	7.20	1.25	5.4	0.72	3.25	0.52	1.15
SIX0444535	6.75	1.60	0.65	2.0	0.32	1.85	0.34	0.85
SIX0444536	3.25	0.95	0.40	1.2	0.22	1.35	0.26	0.65
SIX0444537	12.5	4.55	0.75	6.4	1.26	8.25	1.68	4.55
SIX0444538	13.5	4.65	0.90	6.0	1.14	7.25	1.46	3.85
SIX0444539	4.85	1.35	0.35	1.8	0.32	1.95	0.38	1.05
SIX0444540	4.95	1.75	0.70	2.4	0.40	2.45	0.44	1.05
SIX0444540 Rpt	4.90	1.75	0.70	2.4	0.42	2.50	0.44	1.05
SIX0444541	5.30	1.45	0.70	1.8	0.30	1.90	0.36	0.90
SIX0444542	4.80	1.50	0.65	1.8	0.34	2.15	0.46	1.30



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444543	15.1	4.75	1.35	6.2	1.08	7.10	1.54	4.60
SIX0444544	23.6	6.75	1.60	8.2	1.48	9.40	1.98	5.75
SIX0444545	12.4	3.80	0.65	4.6	0.86	5.35	1.16	3.30
Std Nominal	11.5	3.20	1.00	3.6	0.58	3.40	0.72	2.10
Determined	11.3	2.95	1.05	3.4	0.54	3.30	0.70	2.10
SIX0444546	19.8	6.30	1.45	7.8	1.50	9.25	2.06	6.00
SIX0444547	25.7	8.75	1.75	11.0	2.10	12.9	2.82	8.20
SIX0444548	17.0	5.70	1.40	7.6	1.48	9.25	2.04	6.15
SIX0444549	15.2	4.70	1.35	6.2	1.16	7.25	1.64	4.80
SIX0444550	6.10	2.65	0.20	3.8	0.82	4.95	1.06	2.95
SIX0444551	8.05	2.90	0.35	4.4	0.92	5.65	1.20	3.30
SIX0444552	8.75	2.80	0.60	3.6	0.70	4.45	0.94	2.85
BLANK 2	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444553	2.40	0.70	0.25	0.8	0.16	0.95	0.20	0.55
SIX0444554	7.60	2.60	0.45	3.2	0.62	4.00	0.82	2.35
SIX0444555	2.35	0.70	0.20	0.8	0.16	0.95	0.18	0.55
SIX0444556	3.30	1.10	0.25	1.4	0.26	1.65	0.34	0.95
SIX0444557	7.35	2.75	0.40	3.8	0.78	5.25	1.06	2.95
SIX0444558	11.1	4.45	0.85	6.6	1.34	9.00	1.86	5.15
SIX0444559	6.60	2.10	0.85	2.8	0.52	3.50	0.74	2.20
SIX0444559Q	23.6	5.50	2.05	5.0	0.72	3.90	0.78	2.25
SIX0444560	1.70	0.40	0.40	0.6	0.10	0.60	0.12	0.30
SIX0444561	3.70	0.95	0.70	1.2	0.18	1.00	0.18	0.45
SIX0444562	6.80	2.05	1.25	2.8	0.46	2.90	0.56	1.45
Std Nominal								
Determined	11.2	2.45	0.60	2.2	0.38	2.45	0.48	1.40
SIX0444563	19.1	6.35	1.00	8.4	1.86	12.9	2.78	8.25
SIX0444564	10.2	2.60	1.00	3.0	0.46	2.60	0.50	1.20
SIX0444565	75.0	17.2	2.00	16.2	2.44	14.3	2.46	6.85
SIX0444566	44.3	8.45	1.25	7.2	0.96	5.05	0.90	2.25
SIX0444567	14.7	4.20	1.10	5.4	0.96	6.20	1.50	3.95
SIX0444568	12.2	3.60	1.05	4.6	0.82	5.35	1.18	3.50
SIX0444569	11.9	3.40	1.00	4.4	0.84	5.35	1.18	3.45
SIX0444570	11.0	3.30	0.90	4.4	0.82	5.50	1.20	3.45
SIX0444571	12.9	4.10	1.05	5.4	1.04	6.85	1.46	4.40
SIX0444572	16.4	5.00	1.15	6.6	1.26	8.40	1.84	5.35
SIX0444573	14.3	4.65	1.00	6.0	1.20	8.10	1.82	5.40
SIX0444574	20.8	6.80	1.20	9.0	1.76	12.0	2.64	8.00
SIX0444575	14.8	4.10	1.05	5.0	0.92	6.00	1.30	3.85
SIX0444576	46.6	9.35	1.85	7.8	1.06	5.35	0.94	2.60
SIX0444577	46.5	9.25	1.85	7.8	1.08	5.50	1.06	2.90



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444578	58.1	12.2	1.90	10.8	1.58	8.80	1.72	4.90
SIX0444579	55.6	11.0	1.80	8.8	1.20	6.15	1.14	3.05
Std Nominal								
Determined	26.6	5.35	1.25	4.6	0.72	4.25	0.86	2.45
SIX0444580	43.0	8.25	1.75	6.8	0.92	4.70	0.82	2.20
SIX0444581	43.8	9.85	1.55	9.6	1.52	8.85	1.86	5.25
SIX0444582	51.3	9.80	2.05	8.2	1.16	6.35	1.22	3.65
SIX0444582 Rpt	50.6	9.90	2.05	8.2	1.14	6.25	1.22	3.60
SIX0444583	53.3	11.0	1.95	9.0	1.22	6.25	1.14	3.55
SIX0444584	49.4	9.85	1.85	8.4	1.20	6.40	1.22	3.40
SIX0444584Q	35.3	7.15	1.35	5.6	0.76	3.30	0.50	1.15
SIX0444585	37.1	7.40	1.60	6.4	0.92	5.30	1.12	3.30
SIX0444586	45.9	9.95	1.70	9.6	1.38	8.00	1.66	4.80
Std Nominal	25.2			6.2	0.96	5.65	1.14	3.20
Determined	24.4	5.95	1.70	6.0	0.94	5.50	1.12	3.20
SIX0444587	44.7	8.90	1.70	8.4	1.38	8.90	1.94	5.75
SIX0444588	53.8	11.4	1.80	10.6	1.72	10.8	2.36	7.15
SIX0444589	59.1	13.0	2.00	11.4	1.66	9.55	1.92	5.60
SIX0444590	51.1	10.5	1.85	9.0	1.34	7.60	1.50	4.40
SIX0444590 Rpt	51.0	10.4	1.90	9.2	1.34	7.65	1.52	4.45
SIX0444591	19.3	5.65	1.20	6.8	1.28	8.10	1.76	5.15
SIX0444592	51.1	11.0	1.75	10.0	1.54	9.45	2.08	6.55
SIX0444593	19.7	5.80	1.35	7.4	1.34	8.90	1.90	5.75
SIX0444594	47.4	9.65	2.05	8.4	1.22	6.95	1.38	4.50
BLANK 3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444595	48.3	9.45	1.85	7.8	1.10	5.60	1.08	2.65
SIX0444596	25.1	5.80	1.45	6.0	0.96	5.55	1.16	3.35
SIX0444597	13.9	4.35	1.25	5.6	1.06	7.10	1.54	4.50
SIX0444598	26.1	6.50	1.25	7.0	1.18	7.55	1.90	4.65
SIX0444599	14.1	3.90	1.20	5.2	0.88	5.85	1.28	3.70
SIX0444600	14.6	4.15	1.20	5.4	0.96	6.20	1.32	3.90
Std Nominal	18.0	4.60	1.60	4.6	0.70	4.10	0.80	1.95
Determined	18.0	4.70	1.55	4.8	0.70	4.20	0.80	2.05
SIX0444601	49.9	10.2	1.60	8.6	1.20	6.15	1.10	2.90
SIX0444602	51.5	10.5	1.75	8.8	1.28	6.70	1.30	3.70
SIX0444603	51.7	10.8	1.75	8.8	1.20	6.30	1.14	3.15
SIX0444604	49.7	9.85	1.95	8.4	1.30	9.85	1.50	4.45
SIX0444605	53.2	11.4	1.65	10.4	1.46	7.85	1.48	3.95
SIX0444605 Rpt	54.4	12.4	1.65	11.4	1.46	7.80	1.54	3.90
SIX0444606	66.7	13.5	1.95	10.6	1.36	6.55	1.16	2.90
SIX0444607	49.9	9.75	1.70	8.4	1.20	6.95	1.34	3.90



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444608	49.5	10.4	1.70	9.6	1.52	9.10	1.92	5.60
SIX0444609	46.9	9.35	1.85	8.6	1.38	8.60	1.90	6.05
SIX0444609Q	36.9	7.10	1.50	6.0	0.92	5.45	1.08	3.15
SIX0444610	56.2	12.7	1.80	12.0	1.82	10.6	2.12	6.25
SIX0444611	48.9	10.7	1.85	10.0	1.66	9.85	2.10	6.50
SIX0444612	54.9	10.7	2.10	9.0	1.20	6.35	1.22	3.30
SIX0444613	13.7	4.50	1.15	5.8	1.08	7.25	1.54	4.65
SIX0444614	37.6	10.3	1.15	12.0	2.10	13.4	2.74	7.75
SIX0444615	11.8	3.70	1.00	5.0	0.96	6.55	1.38	4.15
Std Nominal	11.5	3.20	1.00	3.6	0.58	3.40	0.72	2.10
Determined	11.7	3.05	1.10	3.4	0.52	3.35	0.70	2.10
SIX0444616	9.95	3.25	1.00	4.0	0.74	4.90	1.08	3.40
SIX0444617	10.8	3.35	1.00	4.2	0.76	5.10	1.12	3.55
SIX0444618	11.0	3.30	1.00	4.4	0.78	5.15	1.14	3.60
SIX0444619	10.6	3.25	1.05	4.4	0.80	5.30	1.14	3.65
SIX0444620	15.3	4.40	1.10	5.6	1.02	6.85	1.46	4.70
SIX0444621	10.6	3.20	1.10	4.2	0.76	5.00	1.12	3.60
SIX0444622	10.4	3.25	1.10	4.2	0.78	5.15	1.12	3.60
SIX0444623	11.5	3.45	1.10	4.4	0.84	5.50	1.20	3.65
SIX0444623 Rpt	11.2	3.50	1.05	4.4	0.82	5.35	1.18	3.75
SIX0444624	14.5	4.50	1.05	5.6	1.08	7.25	1.58	5.00
SIX0444625	12.5	3.80	1.05	4.6	0.86	5.80	1.26	4.00
SIX0444626	9.90	2.85	1.00	4.0	0.70	4.65	1.02	3.25
SIX0444627	11.2	3.40	1.10	4.4	0.80	5.25	1.16	3.70
SIX0444628	16.5	5.05	1.15	6.2	1.22	8.25	1.80	6.05
Std Nominal								
Determined	11.3	2.50	0.65	2.4	0.38	2.40	0.48	1.45
SIX0444629	14.0	4.15	0.90	5.4	1.06	7.35	1.58	4.80
SIX0444630	18.0	5.60	1.20	7.0	1.38	9.40	2.06	6.35
SIX0444631	18.8	5.45	1.20	6.8	1.32	9.10	1.98	6.00
SIX0444632	11.8	3.60	1.10	4.6	0.82	5.60	1.24	3.65
SIX0444633	19.7	7.05	1.20	9.6	1.94	12.8	2.72	7.90
SIX0444634	15.6	5.10	1.00	6.8	1.34	9.05	1.96	5.70
SIX0444634Q	28.7	6.40	2.25	5.4	0.84	4.55	0.92	2.55
SIX0444635	14.6	4.40	1.15	5.8	1.10	7.40	1.64	4.90
SIX0444636	30.3	11.9	1.45	16.8	3.46	22.9	4.66	12.9
BLANK 4	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444637	19.6	6.05	1.30	8.0	1.58	10.2	2.16	5.75
SIX0444638	41.5	8.65	1.75	8.6	1.34	8.20	1.70	4.75
SIX0444639	49.4	9.70	1.75	9.4	1.40	8.10	1.68	4.55
SIX0444640	41.7	8.60	1.70	8.4	1.34	8.50	1.92	5.65



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444641	47.8	9.35	1.80	9.2	1.44	9.00	1.94	5.50
Std Nominal								
Determined	28.1	5.30	1.30	4.8	0.72	4.40	0.88	2.40
SIX0444642	48.3	9.75	1.60	9.8	1.62	10.3	2.32	6.65
SIX0444643	51.4	10.1	1.85	9.8	1.62	10.6	2.36	7.15
SIX0444643 Rpt	49.6	10.1	1.85	9.6	1.58	10.4	2.36	7.10
SIX0444644	50.1	10.0	1.70	10.2	1.74	11.3	2.50	7.20
SIX0444645	50.6	10.0	1.75	10.2	1.76	11.8	2.70	7.90
SIX0444646	42.8	8.65	1.30	8.6	1.42	8.85	1.92	5.35
SIX0444647	49.4	10.4	1.35	10.4	1.74	11.2	2.44	6.90
SIX0444648	53.5	11.2	1.80	11.0	1.86	12.8	2.74	8.10
SIX0444649	50.1	10.4	1.75	10.6	1.78	11.7	2.58	7.65
SIX0444650	56.4	11.5	1.80	11.6	1.96	12.9	2.92	8.35
SIX0444651	42.0	8.45	1.90	8.0	1.32	8.30	1.78	5.05
SIX0444652	52.9	10.6	2.40	11.0	1.84	12.1	2.68	7.80
Std Nominal	25.2			6.2	0.96	5.65	1.14	3.20
Determined	25.9	5.80	1.65	6.2	0.94	5.60	1.14	3.15
SIX0444653	49.2	9.90	1.70	9.4	1.40	8.95	1.98	5.70
SIX0444654	53.7	11.1	1.95	10.6	1.56	9.50	2.04	5.75
SIX0444655	15.9	4.55	1.30	5.8	1.00	6.80	1.56	4.25
SIX0444655 Rpt	15.5	4.45	1.25	5.8	1.00	6.85	1.54	4.30
SIX0444656	12.2	3.60	1.20	5.0	0.88	6.00	1.38	3.80
SIX0444657	14.1	3.95	1.25	4.8	0.80	5.30	1.18	3.30
SIX0444658	10.5	2.95	1.00	4.0	0.72	4.80	1.10	3.10
Std Nominal	18.0	4.60	1.60	4.6	0.70	4.10	0.80	1.95
Determined	18.2	4.60	1.60	4.8	0.72	4.15	0.80	2.00



Reference: aa077891.a Order Number: Page 36 of 41

METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
BLANK 1	<0.05	<0.05	<0.02	<0.01	NR
SIX0444510	0.85	5.85	0.86	<0.01	2381
SIX0444511	0.80	5.40	0.76	<0.01	2101
SIX0444512	1.30	8.80	1.38	<0.01	3959
SIX0444513	0.95	6.10	0.90	<0.01	3531
SIX0444514	1.00	7.00	1.08	<0.01	3247
SIX0444515	1.15	7.85	1.22	<0.01	1358
SIX0444516	0.55	3.70	0.54	<0.01	1516
SIX0444517	1.05	7.20	1.10	<0.01	3555
SIX0444517 Rpt	1.10	7.35	1.10	<0.01	NR
SIX0444518	0.80	5.45	0.80	0.01	1318
SIX0444519	1.20	8.35	1.30	<0.01	2019
SIX0444520	1.00	6.80	1.02	<0.01	2027
Std Nominal	0.45	2.75	0.40		
Determined	0.45	2.75	0.40	0.10	NR
SIX0444521	0.45	2.70	0.40	0.04	1059
SIX0444522	0.05	0.40	0.04	0.04	5365
SIX0444523	0.90	5.65	0.74	0.05	3124
SIX0444524	0.10	0.45	0.06	0.08	1944
SIX0444525	0.05	0.45	0.06	0.05	3378
SIX0444526	0.10	0.70	0.10	0.02	2907
SIX0444527	0.05	0.35	0.06	0.02	3598
SIX0444528	0.05	0.45	0.06	0.04	3587
SIX0444529	<0.05	0.30	0.04	0.04	4215
SIX0444530	0.05	0.35	0.04	0.03	3380
SIX0444531	0.25	1.50	0.20	0.06	4581
SIX0444532	0.65	3.95	0.50	0.13	1531
SIX0444533	0.15	1.10	0.14	0.03	5191
Std Nominal	0.25	1.55	0.22	1.14	
Determined	0.30	1.60	0.22	1.14	NR
SIX0444534	0.20	1.10	0.16	0.09	2871
SIX044534Q	0.15	0.80	0.12	0.82	106
SIX0444535	0.10	0.65	0.08	0.08	2549
SIX0444536	0.10	0.55	0.08	0.05	3750
SIX0444537	0.65	3.85	0.52	0.08	3960
SIX0444538	0.55	3.15	0.42	0.08	4156
SIX0444539	0.15	0.90	0.12	0.12	1322
SIX0444540	0.15	0.75	0.08	0.15	2893
SIX0444540 Rpt	0.15	0.80	0.08	0.15	NR
SIX0444541	0.10	0.70	0.08	0.04	2520
SIX0444542	0.20	1.20	0.18	0.02	2502



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METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
SIX0444543	0.65	4.40	0.62	<0.01	5452
SIX0444544	0.80	5.20	0.74	0.03	2869
SIX0444545	0.45	3.10	0.42	0.02	4078
Std Nominal	0.35	2.15	0.30		
Determined	0.30	2.05	0.30	3.68	NR
SIX0444546	0.80	5.65	0.70	0.02	5309
SIX0444547	1.10	7.70	1.02	0.02	4574
SIX0444548	0.85	5.70	0.74	<0.01	4204
SIX0444549	0.65	4.50	0.60	<0.01	2765
SIX0444550	0.35	2.30	0.26	0.09	3092
SIX0444551	0.40	2.65	0.32	0.05	1383
SIX0444552	0.35	2.50	0.32	0.03	2581
BLANK 2	<0.05	<0.05	<0.02	<0.01	NR
SIX0444553	0.10	0.50	0.06	0.05	3223
SIX0444554	0.30	1.95	0.26	0.02	4562
SIX0444555	0.10	0.55	0.08	0.01	4444
SIX0444556	0.15	0.85	0.10	0.02	4103
SIX0444557	0.40	2.45	0.32	0.01	4179
SIX0444558	0.70	4.20	0.54	0.03	3919
SIX0444559	0.30	2.00	0.26	0.03	4624
SIX0444559Q	0.35	2.25	0.34	0.30	107
SIX0444560	<0.05	0.30	0.04	0.02	4111
SIX0444561	0.05	0.30	0.04	0.03	4709
SIX0444562	0.20	1.20	0.14	0.04	4114
Std Nominal				8.88	
Determined	0.20	1.45	0.22	9.09	NR
SIX0444563	1.20	7.50	1.02	<0.01	5235
SIX0444564	0.15	0.95	0.12	<0.01	337
SIX0444565	1.05	7.30	1.02	<0.01	3979
SIX0444566	0.30	3.95	0.30	<0.01	2172
SIX0444567	0.60	3.80	0.54	<0.01	5094
SIX0444568	0.50	3.30	0.48	<0.01	4471
SIX0444569	0.50	3.40	0.48	<0.01	4583
SIX0444570	0.50	3.35	0.50	<0.01	4859
SIX0444571	0.65	4.30	0.62	<0.01	4349
SIX0444572	0.75	5.00	0.68	<0.01	4630
SIX0444573	0.80	5.40	0.76	<0.01	4445
SIX0444574	1.15	7.55	1.04	<0.01	4762
SIX0444575	0.55	3.80	0.52	<0.01	2360
SIX0444576	0.45	3.00	0.48	<0.01	2198
SIX0444577	0.45	3.05	0.46	<0.01	4018



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METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
SIX0444578	0.70	4.70	0.70	<0.01	4364
SIX0444579	0.45	2.95	0.46	<0.01	4408
Std Nominal					
Determined	0.35	2.30	0.34	0.06	NR
SIX0444580	0.30	2.50	0.30	<0.01	1974
SIX0444581	0.80	5.25	0.80	<0.01	1929
SIX0444582	0.55	3.80	0.60	<0.01	3841
SIX0444582 Rpt	0.55	3.75	0.58	<0.01	NR
SIX0444583	0.45	3.45	0.58	<0.01	4539
SIX0444584	0.50	3.35	0.50	<0.01	5938
SIX0444584Q	0.15	0.85	0.12	0.83	105
SIX0444585	0.50	3.25	0.50	<0.01	2755
SIX0444586	0.70	4.75	0.72	<0.01	5275
Std Nominal	0.45	2.75	0.40	1.14	
Determined	0.45	2.75	0.42	1.13	NR
SIX0444587	0.85	5.60	0.84	<0.01	4307
SIX0444588	1.00	6.70	1.00	<0.01	4305
SIX0444589	0.85	5.70	0.82	<0.01	4377
SIX0444590	0.65	4.45	0.66	<0.01	2419
SIX0444590 Rpt	0.65	4.45	0.64	<0.01	NR
SIX0444591	0.75	5.15	0.76	<0.01	1135
SIX0444592	1.00	7.00	1.06	<0.01	4712
SIX0444593	0.85	5.65	0.84	<0.01	1552
SIX0444594	0.60	4.15	0.64	<0.01	5037
BLANK 3	<0.05	<0.05	<0.02	<0.01	NR
SIX0444595	0.40	2.40	0.50	<0.01	2470
SIX0444596	0.50	3.00	0.50	<0.01	3253
SIX0444597	0.70	4.15	0.66	<0.01	4606
SIX0444598	0.65	4.30	0.68	<0.01	4084
SIX0444599	0.55	3.20	0.52	<0.01	3586
SIX0444600	0.55	3.30	0.54	<0.01	4634
Std Nominal	0.25	1.55	0.22		
Determined	0.30	1.55	0.22	3.70	NR
SIX0444601	0.40	2.75	0.44	<0.01	4103
SIX0444602	0.50	3.30	0.56	<0.01	4076
SIX0444603	0.45	3.10	0.56	<0.01	4368
SIX0444604	0.65	4.20	0.70	<0.01	4079
SIX0444605	0.55	3.55	0.56	<0.01	2086
SIX0444605 Rpt	0.55	3.45	0.54	<0.01	NR
SIX0444606	0.40	2.25	0.40	<0.01	1776
SIX0444607	0.55	3.30	0.58	<0.01	3517



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METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
SIX0444608	0.85	5.05	0.84	<0.01	4106
SIX0444609	0.90	5.70	1.04	<0.01	3717
SIX0444609Q	0.45	2.65	0.44	<0.01	109
SIX0444610	0.90	5.70	0.96	<0.01	4206
SIX0444611	1.00	6.30	1.08	<0.01	3745
SIX0444612	0.50	3.20	0.58	<0.01	3637
SIX0444613	0.65	3.85	0.64	<0.01	7854
SIX0444614	1.10	6.10	0.98	<0.01	4110
SIX0444615	0.60	3.80	0.62	<0.01	4443
Std Nominal	0.35	2.15	0.30	8.88	
Determined	0.30	2.05	0.28	8.86	NR
SIX0444616	0.45	3.00	0.46	<0.01	4560
SIX0444617	0.50	3.15	0.48	<0.01	4428
SIX0444618	0.50	3.25	0.50	<0.01	4367
SIX0444619	0.50	3.25	0.50	<0.01	2471
SIX0444620	0.60	4.00	0.58	<0.01	2871
SIX0444621	0.50	3.15	0.46	<0.01	3146
SIX0444622	0.50	3.25	0.48	<0.01	3358
SIX0444623	0.50	3.50	0.50	<0.01	3168
SIX0444623 Rpt	0.50	3.40	0.50	<0.01	NR
SIX0444624	0.65	4.50	0.64	<0.01	3139
SIX0444625	0.55	3.65	0.54	<0.01	3201
SIX0444626	0.45	2.90	0.44	<0.01	3192
SIX0444627	0.50	3.30	0.48	<0.01	4646
SIX0444628	0.85	5.55	0.80	<0.01	1805
Std Nominal					
Determined	0.20	1.45	0.22	0.07	NR
SIX0444629	0.70	4.65	0.70	<0.01	2167
SIX0444630	0.90	6.10	0.88	<0.01	4070
SIX0444631	0.90	5.95	0.88	<0.01	2621
SIX0444632	0.55	3.45	0.52	0.01	3074
SIX0444633	1.10	6.80	0.94	<0.01	2998
SIX0444634	0.80	5.10	0.72	<0.01	2942
SIX0444634Q	0.35	2.45	0.36	0.35	108
SIX0444635	0.70	4.65	0.68	<0.01	2934
SIX0444636	1.70	9.95	1.32	<0.01	2968
BLANK 4	<0.05	<0.05	<0.02	<0.01	NR
SIX0444637	0.85	5.35	0.76	0.01	2498
SIX0444638	0.75	5.15	0.76	0.01	3106
SIX0444639	0.70	4.55	0.70	0.01	2661
SIX0444640	0.90	5.70	0.88	0.01	3495



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METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
SIX0444641	0.85	5.40	0.82	0.01	2578
Std Nominal				1.14	
Determined	0.35	2.35	0.36	1.11	NR
SIX0444642	1.05	7.10	1.08	0.03	2335
SIX0444643	1.15	7.80	1.20	0.02	2868
SIX0444643 Rpt	1.15	7.80	1.22	0.01	NR
SIX0444644	1.10	7.05	1.06	0.01	2689
SIX0444645	1.25	8.10	1.26	0.01	2179
SIX0444646	0.85	5.75	0.88	<0.01	2832
SIX0444647	1.05	7.10	1.08	0.01	2675
SIX0444648	1.30	8.50	1.34	0.01	2540
SIX0444649	1.20	8.10	1.26	0.01	2797
SIX0444650	1.35	9.10	1.42	0.01	2695
SIX0444651	0.80	5.25	0.84	0.01	2503
SIX0444652	1.20	8.25	1.26	0.01	1199
Std Nominal	0.45	2.75	0.40		
Determined	0.45	2.75	0.40	3.73	NR
SIX0444653	0.90	5.65	0.94	0.02	2633
SIX0444654	0.90	5.75	0.96	0.01	2881
SIX0444655	0.65	4.25	0.64	0.01	1373
SIX0444655 Rpt	0.65	4.25	0.62	0.01	NR
SIX0444656	0.60	3.60	0.58	0.01	3086
SIX0444657	0.50	3.10	0.50	<0.01	3116
SIX0444658	0.50	2.95	0.48	0.01	3134
Std Nominal	0.25	1.55	0.22	8.88	
Determined	0.30	1.55	0.24	9.02	NR



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These results pertain to the samples as received at this laboratory.

Where standards are reported, the nominal value for the element is reported above the result found.

"NR" Implies result is not required for this determination

"%" Implies this result reported in %

Sample Storage

The excess material (Residue) will be held after 30 days

The pulp samples (Pulp) will be held after 60 days as per instructions.

Sample Preparation

Digest and Analysis:

The sample(s) have been digested and refluxed with a mixture of Acids, including: Hydrofluoric, Nitric, Hydrochloric and Perchloric Acids. This extended digest approaches a total digest for many elements however, some refractory minerals are not completely attacked.

Al, Ba, Ca, Cr, Cu, Fe, K, Li, Mg, Mn, Na, Ni, P, S, Sc, Ti, V, Zn, Zr

have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.

Ag, As, Be, Bi, Cd, Ce, Co, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, In, La, Lu, Mo, Nb, Nd, Pb, Pr, Rb, Re, Sb, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Tl, Tm, U, W, Y, Yb

have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.

The samples have been analysed by Firing a 40 gm (approx) portion of the sample. Lower sample weights may be employed for samples with very high sulphide and metal contents. This is the classical fire assay process and will give total separation of Gold, Platinum and Palladium in the sample. (Test Method MC-FA-01)

Au

have been determined by Atomic Absorbtion Spectrometry.

(*) Assays on this report are covered under the NATA scope of accreditation.