



Bureau Veritas Minerals Pty Ltd
MINERAL TESTING & LABORATORY SERVICES

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Reference: **aa078099.c**
Date Finished: 05/05/2026
Order: OGDD002
Project: Oonagalabi
Date Received: 07/04/2026
Type of Sample: Core
Samples Analysed: **169**

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	200	<1	6	<0.5	<0.1	<100	<0.5
SIX0444939	<0.2	6.50%	2	748	2.5	<0.1	1.33%	<0.5
SIX0444940	<0.2	6.33%	<1	1090	1.0	<0.1	9100	<0.5
SIX0444941	<0.2	5.26%	<1	398	3.0	0.2	2.61%	2.5
SIX0444942	<0.2	6.80%	2	328	4.0	0.4	5.13%	1.0
SIX0444943	<0.2	6.99%	2	214	7.0	0.2	8.81%	1.0
Std Nominal	25.8	4.82%	240	2710	3.0	4.0	1.47%	100
Determined	26.4	5.00%	242	NR	3.5	4.2	1.47%	103
SIX0444944	0.6	7.26%	7	682	4.0	0.2	2.45%	3.0
SIX0444945	<0.2	6.79%	<1	826	2.0	<0.1	1.63%	<0.5
SIX0444945Q	11.2	6.67%	138	2300	2.5	9.4	1.15%	92.0
SIX0444946	<0.2	6.14%	<1	586	2.5	<0.1	1.74%	<0.5
SIX0444947	<0.2	6.24%	<1	618	2.0	<0.1	1.67%	<0.5
SIX0444947 Rpt	<0.2	6.37%	<1	628	2.0	<0.1	1.70%	<0.5
SIX0444948	<0.2	6.37%	<1	636	3.0	<0.1	2.17%	<0.5
SIX0444949	<0.2	6.53%	<1	406	5.0	<0.1	2.73%	<0.5
SIX0444950	<0.2	6.22%	<1	394	5.0	0.2	3.89%	<0.5
SIX0444951	<0.2	6.36%	<1	732	3.5	<0.1	2.54%	<0.5
SIX0444952	<0.2	6.90%	<1	370	5.0	<0.1	3.08%	<0.5
SIX0444953	<0.2	6.73%	<1	628	3.5	<0.1	2.13%	<0.5
SIX0444954	<0.2	6.53%	<1	840	2.5	<0.1	1.88%	<0.5
SIX0444955	<0.2	6.08%	<1	796	8.0	<0.1	9000	<0.5
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	6.0	6.55%	99	132	1.5	3.5	2.48%	8.5
SIX0444956	<0.2	6.34%	<1	450	3.0	0.2	2.28%	<0.5
SIX0444957	<0.2	6.18%	<1	764	1.5	<0.1	1.17%	<0.5
SIX0444958	<0.2	5.73%	<1	800	1.5	<0.1	1.29%	<0.5
SIX0444959	<0.2	5.63%	<1	978	1.0	<0.1	9200	<0.5
SIX0444960	<0.2	7.26%	<1	446	2.0	<0.1	2.65%	<0.5
SIX0444961	<0.2	6.90%	<1	398	2.0	<0.1	2.80%	<0.5
SIX0444962	<0.2	6.38%	<1	672	2.0	0.2	2.14%	<0.5
SIX0444963	<0.2	6.82%	2	278	4.5	0.7	3.01%	<0.5
SIX0444964	<0.2	6.94%	2	190	3.0	0.5	3.89%	<0.5
SIX0444965	<0.2	6.57%	<1	320	2.5	0.4	3.33%	<0.5
SIX0444966	<0.2	7.45%	<1	248	2.5	0.3	4.58%	<0.5
SIX0444967	<0.2	7.71%	<1	214	3.0	0.4	5.05%	<0.5
SIX0444967 Rpt	<0.2	7.84%	<1	218	3.0	0.6	5.12%	<0.5
SIX0444968	<0.2	6.76%	<1	262	2.5	<0.1	3.01%	<0.5
SIX0444969	<0.2	6.14%	<1	254	2.0	0.2	2.93%	<0.5
SIX0444970	<0.2	6.68%	<1	282	2.5	<0.1	2.49%	<0.5
Std Nominal		4.63%	3	984	1.5	<0.1	600	<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
Determined	<0.2	4.65%	3	986	1.5	<0.1	700	<0.5
SIX0444970Q	10.4	6.64%	204	1920	2.5	12.9	9300	29.0
SIX0444971	<0.2	6.96%	2	294	3.0	0.2	2.80%	<0.5
SIX0444972	<0.2	5.54%	<1	994	1.5	<0.1	1.25%	<0.5
SIX0444973	<0.2	6.02%	<1	320	2.0	<0.1	2.06%	<0.5
SIX0444974	<0.2	5.97%	<1	330	2.0	0.3	2.23%	<0.5
SIX0444975	<0.2	6.03%	<1	424	2.0	0.2	2.80%	<0.5
SIX0444976	<0.2	4.95%	<1	404	1.0	<0.1	9900	<0.5
SIX0444977	<0.2	4.76%	<1	502	1.0	<0.1	8100	<0.5
SIX0444978	<0.2	5.01%	<1	762	0.5	<0.1	8900	<0.5
SIX0444979	<0.2	4.89%	<1	620	1.0	<0.1	8500	<0.5
SIX0444980	<0.2	6.94%	<1	800	2.0	<0.1	2.65%	<0.5
SIX0444981	<0.2	7.59%	<1	268	1.5	0.3	4.35%	<0.5
SIX0444982	<0.2	7.38%	<1	408	1.5	0.2	3.57%	<0.5
SIX0444983	<0.2	7.95%	<1	354	2.0	0.3	4.22%	<0.5
SIX0444984	<0.2	7.43%	<1	442	2.0	0.9	3.28%	<0.5
SIX0444985	<0.2	6.87%	<1	636	1.0	0.3	3.77%	<0.5
SIX0444986	<0.2	6.68%	<1	466	2.0	0.3	2.20%	<0.5
BLANK 2	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444987	<0.2	6.47%	<1	734	1.5	<0.1	1.84%	<0.5
Std Nominal	2.0	5.25%	331		1.5	8.4	2.41%	<0.5
Determined	2.0	5.17%	324	1.06%	1.5	8.8	2.38%	<0.5
SIX0444988	<0.2	6.03%	2	1230	1.0	0.2	8200	<0.5
SIX0444989	<0.2	6.15%	<1	712	1.5	<0.1	1.23%	<0.5
SIX0444990	<0.2	7.06%	<1	318	1.5	0.2	4.31%	<0.5
SIX0444991	<0.2	5.55%	<1	1150	0.5	<0.1	9500	<0.5
SIX0444992	<0.2	6.39%	<1	664	2.0	0.2	1.69%	<0.5
SIX0444993	<0.2	7.11%	<1	354	1.5	0.5	3.77%	<0.5
SIX0444994	<0.2	6.27%	<1	576	2.5	<0.1	2.04%	<0.5
SIX0444995	<0.2	6.11%	<1	504	2.0	<0.1	3.15%	<0.5
SIX0444995Q	19.0	5.08%	400	5880	1.0	4.4	1.55%	26.5
SIX0444996	<0.2	7.21%	2	166	0.5	1.0	5.77%	<0.5
SIX0444997	<0.2	8.04%	2	166	2.0	0.6	4.88%	<0.5
SIX0444998	<0.2	7.31%	<1	406	1.5	0.4	3.66%	<0.5
SIX0444998 Rpt	<0.2	7.38%	<1	420	1.0	0.4	3.69%	<0.5
SIX0444999	9.8	5.96%	<1	1130	1.0	0.3	1.94%	<0.5
SIX0445000	<0.2	5.96%	<1	1010	1.0	0.2	7100	<0.5
Std Nominal	0.8	7.68%	18	1010	3.0	1.5	2.71%	<0.5
Determined	0.6	7.75%	17	1010	3.0	1.6	2.74%	<0.5
SIX0443525	<0.2	6.03%	<1	780	0.5	0.2	7800	<0.5
SIX0443526	<0.2	6.63%	<1	1420	1.0	<0.1	1.02%	<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
SIX0443527	<0.2	6.97%	<1	538	1.0	0.2	3.87%	<0.5
SIX0443528	<0.2	6.43%	<1	822	1.5	<0.1	1.58%	<0.5
SIX0443529	<0.2	7.33%	<1	462	2.0	0.2	3.67%	<0.5
SIX0443530	<0.2	7.85%	<1	336	2.5	<0.1	3.01%	<0.5
SIX0443531	<0.2	7.05%	<1	384	2.0	<0.1	3.01%	<0.5
SIX0443532	<0.2	7.55%	<1	328	2.5	0.2	3.80%	<0.5
SIX0443532 Rpt	<0.2	7.52%	<1	328	2.5	0.2	3.77%	<0.5
SIX0443533	<0.2	8.06%	<1	344	3.5	0.2	4.73%	<0.5
SIX0443534	<0.2	7.34%	<1	302	1.0	0.4	6.45%	<0.5
SIX0443535	<0.2	7.91%	<1	324	1.5	0.4	5.71%	<0.5
SIX0443536	<0.2	7.74%	<1	306	1.5	0.3	4.54%	<0.5
SIX0443537	<0.2	6.14%	<1	976	0.5	<0.1	8400	<0.5
SIX0443538	<0.2	6.58%	<1	1000	1.0	<0.1	1.40%	<0.5
SIX0443539	<0.2	8.04%	<1	346	2.5	0.3	4.03%	<0.5
SIX0443540	<0.2	5.73%	<1	1430	1.5	<0.1	7700	<0.5
Std Nominal	25.8	4.82%	240	2710	3.0	4.0	1.47%	100
Determined	25.0	4.85%	229	NR	3.0	4.0	1.47%	99.0
SIX0443541	<0.2	7.77%	2	308	1.5	1.0	5.42%	1.0
SIX0443542	<0.2	7.69%	<1	366	1.0	0.4	4.94%	<0.5
SIX0443543	<0.2	7.76%	<1	140	0.5	0.2	6.76%	<0.5
SIX0443544	<0.2	6.44%	<1	402	1.0	0.6	3.63%	1.0
SIX0443545	<0.2	6.00%	<1	608	1.0	<0.1	1.70%	<0.5
SIX0443545Q	<0.2	7.82%	<1	528	2.0	<0.1	5.57%	<0.5
SIX0443546	<0.2	6.48%	<1	564	1.5	0.2	2.18%	<0.5
SIX0443547	<0.2	6.29%	<1	940	1.5	<0.1	1.52%	<0.5
SIX0443548	<0.2	6.11%	<1	838	1.5	<0.1	1.47%	<0.5
SIX0443549	<0.2	6.46%	<1	370	1.5	0.2	3.29%	<0.5
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	6.0	6.74%	96	130	1.0	3.1	2.43%	9.0
SIX0443550	<0.2	6.66%	<1	890	1.5	<0.1	1.93%	<0.5
SIX0443551	<0.2	5.91%	<1	638	1.5	<0.1	1.25%	<0.5
SIX0443551 Rpt	<0.2	6.19%	<1	640	2.0	<0.1	1.31%	<0.5
SIX0443552	<0.2	5.90%	<1	718	1.5	<0.1	8100	<0.5
SIX0443553	<0.2	6.02%	<1	678	1.0	<0.1	9700	<0.5
SIX0443554	<0.2	6.27%	<1	640	1.5	<0.1	1.13%	<0.5
SIX0443555	<0.2	6.16%	<1	734	1.0	<0.1	1.02%	<0.5
SIX0443556	<0.2	5.66%	<1	778	1.5	<0.1	1.04%	<0.5
SIX0443557	<0.2	5.75%	<1	746	5.0	<0.1	3300	<0.5
SIX0443558	<0.2	6.38%	<1	676	5.0	<0.1	1.55%	<0.5
BLANK 3	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0443559	<0.2	6.07%	<1	630	1.5	0.2	2.20%	<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
SIX0443560	<0.2	7.65%	<1	196	2.0	1.1	4.92%	<0.5
SIX0443560 Rpt	<0.2	7.71%	<1	198	2.0	1.0	4.95%	<0.5
SIX0443561	0.4	7.96%	<1	278	2.5	2.0	4.67%	1.0
SIX0443562	<0.2	7.87%	<1	156	1.5	0.3	5.76%	<0.5
SIX0443563	<0.2	8.58%	<1	334	2.5	0.5	3.87%	<0.5
SIX0443564	<0.2	7.49%	<1	274	2.5	0.5	4.06%	<0.5
SIX0443565	<0.2	6.56%	<1	324	2.0	0.4	2.89%	<0.5
SIX0443566	<0.2	6.34%	<1	350	1.5	0.3	2.38%	<0.5
SIX0443567	<0.2	6.56%	<1	384	1.0	0.5	3.67%	<0.5
SIX0443568	<0.2	6.01%	<1	520	1.5	0.2	1.93%	<0.5
Std Nominal		4.63%	3	984	1.5	<0.1	600	<0.5
Determined	<0.2	4.77%	3	1000	1.5	<0.1	700	<0.5
SIX0443569	<0.2	6.90%	<1	398	1.5	0.6	4.38%	<0.5
SIX0443570	<0.2	6.75%	<1	492	1.5	0.3	3.18%	<0.5
SIX0443571	<0.2	6.77%	<1	758	2.0	0.2	1.44%	<0.5
SIX0443571Q	11.8	6.78%	142	2450	2.5	8.4	1.15%	83.5
SIX0443572	<0.2	6.31%	<1	536	2.0	0.3	2.42%	<0.5
SIX0443573	<0.2	7.04%	<1	382	2.5	0.4	3.13%	<0.5
SIX0443574	<0.2	7.30%	<1	310	3.5	<0.1	3.14%	<0.5
SIX0443575	<0.2	6.21%	<1	542	1.5	<0.1	1.97%	<0.5
SIX0443576	<0.2	6.01%	<1	672	1.5	<0.1	1.35%	<0.5
SIX0443577	<0.2	6.33%	<1	716	1.5	<0.1	1.69%	<0.5
SIX0443578	<0.2	6.49%	<1	982	1.5	<0.1	1.83%	<0.5
SIX0443579	<0.2	6.96%	<1	430	2.5	0.2	4.95%	<0.5
SIX0443580	<0.2	7.66%	<1	232	2.5	0.2	3.67%	<0.5
SIX0443581	<0.2	8.14%	<1	118	1.5	0.5	6.52%	<0.5
SIX0443582	<0.2	7.49%	<1	300	3.5	0.2	4.19%	<0.5
SIX0443583	<0.2	7.82%	<1	226	2.5	0.3	5.33%	<0.5
SIX0443584	<0.2	7.69%	<1	192	2.0	0.4	5.71%	<0.5
SIX0443585	<0.2	8.02%	<1	230	2.0	0.5	5.43%	<0.5
Std Nominal	2.0	5.25%	331		1.5	8.4	2.41%	<0.5
Determined	2.0	5.16%	328	1430	2.0	8.8	2.45%	<0.5
SIX0443586	<0.2	6.45%	2	522	2.0	0.2	2.87%	<0.5
SIX0443587	<0.2	5.16%	<1	908	1.0	<0.1	7200	<0.5
SIX0443588	<0.2	6.21%	<1	452	2.0	<0.1	1.75%	<0.5
SIX0443589	<0.2	7.06%	<1	224	2.5	0.2	4.06%	<0.5
SIX0443590	<0.2	6.69%	<1	366	2.5	0.2	3.35%	<0.5
SIX0443591	<0.2	7.23%	<1	152	1.0	<0.1	5.69%	<0.5
SIX0443592	<0.2	6.49%	<1	282	3.5	<0.1	2.55%	<0.5
SIX0443593	<0.2	7.51%	<1	266	5.5	0.2	3.98%	<0.5
SIX0443594	<0.2	6.29%	<1	698	3.0	<0.1	1.93%	<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
SIX0443595	<0.2	5.24%	<1	578	1.5	<0.1	1.30%	<0.5
Std Nominal	0.8	7.68%	18	1010	3.0	1.5	2.71%	<0.5
Determined	0.6	7.53%	20	1000	3.0	1.5	2.66%	<0.5
SIX0443596	<0.2	5.65%	<1	542	3.0	<0.1	9500	<0.5
SIX0443597	<0.2	7.40%	<1	528	3.0	0.2	3.07%	<0.5
SIX0443597Q	12.0	6.70%	141	2510	3.0	9.0	1.18%	83.0
SIX0443598	<0.2	6.00%	2	452	1.0	0.2	2.83%	1.0
SIX0443599	<0.2	5.76%	<1	504	2.0	<0.1	2.53%	<0.5
SIX0443600	<0.2	5.85%	<1	208	1.5	0.2	2.81%	<0.5
SIX0444456	<0.2	5.43%	<1	210	1.5	<0.1	1.28%	<0.5
SIX0444457	<0.2	6.44%	<1	384	2.5	0.2	2.22%	<0.5
SIX0444458	<0.2	7.07%	<1	170	2.0	<0.1	4.04%	<0.5
SIX0444459	<0.2	6.75%	<1	260	1.5	0.2	3.98%	<0.5
SIX0444460	<0.2	5.74%	<1	508	2.0	<0.1	2.13%	<0.5
SIX0444461	<0.2	6.26%	<1	848	2.5	0.2	2.02%	<0.5
SIX0444462	<0.2	6.36%	<1	724	2.5	0.2	3.37%	<0.5
BLANK 4	<0.2	<100	<1	6	<0.5	<0.1	<100	<0.5
SIX0444463	<0.2	6.85%	<1	424	2.0	0.2	4.06%	<0.5
SIX0444464	<0.2	5.95%	<1	790	1.5	0.2	1.76%	<0.5
SIX0444465	<0.2	7.45%	<1	254	2.5	0.5	3.71%	<0.5
SIX0444466	<0.2	5.39%	<1	678	1.0	<0.1	1.14%	<0.5
SIX0444467	<0.2	5.84%	<1	792	0.5	<0.1	5200	<0.5
Std Nominal	25.8	4.82%	240	2710	3.0	4.0	1.47%	100
Determined	25.8	4.81%	236	NR	3.0	4.0	1.45%	98.0
SIX0444468	<0.2	6.10%	<1	726	1.0	<0.1	1.78%	<0.5
SIX0444469	<0.2	5.77%	<1	850	1.0	<0.1	1.03%	<0.5
SIX0444470	<0.2	6.69%	<1	552	2.5	0.3	3.90%	<0.5
SIX0444470 Rpt	<0.2	6.96%	<1	566	2.5	0.3	4.02%	<0.5
SIX0444471	<0.2	7.20%	<1	360	2.0	0.2	3.58%	<0.5
SIX0444472	<0.2	6.13%	<1	368	2.0	<0.1	2.20%	<0.5
SIX0444472 Rpt	<0.2	5.96%	<1	360	2.0	<0.1	2.15%	<0.5
SIX0444473	<0.2	6.40%	<1	318	2.0	<0.1	2.82%	<0.5
SIX0444474	<0.2	7.57%	<1	178	2.0	0.3	4.82%	<0.5
SIX0444475	<0.2	6.46%	<1	512	2.0	<0.1	2.89%	<0.5
SIX0444476	<0.2	6.96%	<1	360	2.0	0.2	3.94%	<0.5
SIX0444477	<0.2	7.17%	<1	168	1.5	0.2	4.83%	<0.5
SIX0444477Q	11.8	6.80%	148	2500	2.5	8.8	1.17%	85.5
SIX0444478	<0.2	7.78%	<1	180	2.0	0.3	5.21%	<0.5
SIX0444479	<0.2	5.72%	<1	310	1.5	1.5	1.96%	<0.5
SIX0444480	Sample Not Received							
SIX0444481	Sample Not Received							



Reference: aa078099.c Order Number: OGDD002 Page 6 of 56

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
SIX0444482	Sample Not Received							
Std Nominal	6.0	%6.83	96	132		3.5	%2.48	8.0
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444483	Sample Not Received							
SIX0444484	Sample Not Received							
SIX0444485	Sample Not Received							
SIX0444486	Sample Not Received							
SIX0444487	Sample Not Received							
SIX0444488	Sample Not Received							
SIX0444489	Sample Not Received							
SIX0444490	Sample Not Received							
Std Nominal		4.63%	3	984	1.5	<0.1	600	<0.5
Determined	<0.2	4.63%	3	988	1.5	<0.1	600	<0.5
SIX0444491	Sample Not Received							
SIX0444492	Sample Not Received							
SIX0444493	Sample Not Received							
SIX0444494	Sample Not Received							
SIX0444494 Rpt	Sample Not Received							
SIX0444495	Sample Not Received							
SIX0444496	Sample Not Received							
SIX0444497	Sample Not Received							
SIX0444497Q	Sample Not Received							
SIX0444498	Sample Not Received							
SIX0444499	Sample Not Received							
Std Nominal	2.0	%5.25	331		1.5	8.4	%2.41	<0.5
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444500	Sample Not Received							
SIX0444501	Sample Not Received							
SIX0444502	Sample Not Received							
SIX0444503	Sample Not Received							
SIX0444504	Sample Not Received							
SIX0444505	Sample Not Received							
SIX0444506	Sample Not Received							
SIX0444506 Rpt	Sample Not Received							
SIX0444507	Sample Not Received							



Reference: aa078099.c Order Number: OGDD002 Page 7 of 56

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
SIX0444508	Sample Not Received							
SIX0444509	Sample Not Received							
Std Nominal	0.8	7.68%	18	1010	3.0	1.5	2.71%	<0.5
Determined	0.6	7.59%	17	1010	3.0	1.7	2.70%	<0.5



Reference: aa078099.c Order Number: OGDD002 Page 8 of 56

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	200	<0.2	<0.2	<0.05
SIX0444939	2	<10	1.0	104	2.30%	21.2	8.2	0.10
SIX0444940	2	<10	1.0	34	2.65%	20.4	7.8	0.10
SIX0444941	6	20	1.0	220	3.06%	18.8	4.6	0.15
SIX0444942	15	50	1.4	134	6.44%	23.4	3.4	0.25
SIX0444943	10	30	0.6	94	4.96%	27.2	2.6	0.20
Std Nominal	27	40	5.1	246	9.69%	12.4	3.0	0.35
Determined	28	30	5.3	236	9.67%	12.4	3.2	0.35
SIX0444944	5	<10	1.2	54	3.31%	27.0	6.2	0.15
SIX0444945	2	<10	1.1	34	2.80%	25.6	7.2	0.15
SIX0444945Q	4	10	5.6	1730	3.99%	19.2	6.6	2.05
SIX0444946	2	<10	0.9	12	2.56%	25.0	7.4	0.15
SIX0444947	3	20	1.9	<2	2.64%	21.6	4.0	0.15
SIX0444947 Rpt	3	<10	1.8	<2	2.69%	21.2	3.6	0.10
SIX0444948	5	<10	1.0	<2	3.00%	22.4	5.2	0.10
SIX0444949	4	20	0.7	20	2.82%	22.4	3.6	0.10
SIX0444950	3	<10	0.7	6	2.72%	22.0	5.0	0.15
SIX0444951	5	20	0.9	12	3.19%	22.0	5.6	0.10
SIX0444952	5	20	0.7	12	3.00%	24.2	2.6	0.10
SIX0444953	5	20	1.2	18	3.13%	24.4	6.2	0.15
SIX0444954	4	<10	1.5	8	3.33%	23.6	6.8	0.15
SIX0444955	3	<10	0.9	110	3.13%	22.4	7.0	0.10
Std Nominal	43	220		1520	8.65%			
Determined	45	220	17.7	1510	8.63%	22.2	3.0	0.70
SIX0444956	7	20	1.2	34	3.88%	24.6	5.2	0.20
SIX0444957	4	20	0.8	20	3.11%	19.0	2.6	0.10
SIX0444958	4	20	0.8	16	3.06%	18.0	5.2	0.10
SIX0444959	4	<10	0.8	<2	3.27%	18.2	5.6	0.10
SIX0444960	19	50	1.1	10	4.69%	23.0	3.0	0.20
SIX0444961	18	50	1.6	46	5.19%	20.4	3.8	0.15
SIX0444962	16	50	2.9	12	4.92%	21.0	5.0	0.15
SIX0444963	22	50	5.5	32	5.45%	24.2	4.8	0.15
SIX0444964	31	60	2.9	32	6.20%	21.6	3.8	0.15
SIX0444965	30	60	2.1	70	6.66%	22.6	4.4	0.20
SIX0444966	44	90	1.2	74	8.00%	23.4	2.2	0.20
SIX0444967	51	110	1.7	50	8.83%	22.0	1.8	0.15
SIX0444967 Rpt	52	110	1.8	50	8.95%	21.6	1.8	0.15
SIX0444968	23	50	1.2	28	5.22%	22.6	3.6	0.15
SIX0444969	22	50	1.0	40	4.99%	19.4	4.8	0.10
SIX0444970	13	30	1.0	40	4.19%	21.2	4.8	0.10
Std Nominal	4	30	0.7	2	1.57%	11.0	1.6	<0.05



Reference: aa078099.c Order Number: OGDD002 Page 9 of 56

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
Determined	4	30	0.7	<2	1.58%	10.8	1.4	<0.05
SIX0444970Q	33	20	6.6	1.74%	4.91%	22.2	5.0	2.90
SIX0444971	17	30	1.2	62	4.44%	22.4	4.8	0.15
SIX0444972	6	<10	0.8	40	2.87%	17.0	5.4	0.10
SIX0444973	12	30	1.0	10	4.06%	20.6	5.4	0.15
SIX0444974	16	30	1.0	18	4.05%	20.0	4.0	0.10
SIX0444975	26	50	1.5	16	6.14%	22.2	5.0	0.15
SIX0444976	9	20	1.4	2	4.71%	23.2	8.6	0.20
SIX0444977	9	20	2.0	10	5.04%	24.8	12.2	0.20
SIX0444978	7	<10	1.5	<2	3.96%	18.6	8.8	0.10
SIX0444979	7	20	1.5	<2	5.15%	22.4	9.6	0.20
SIX0444980	22	50	2.7	2	6.48%	23.0	6.2	0.15
SIX0444981	38	90	1.0	26	8.04%	21.8	3.0	0.15
SIX0444982	32	60	1.2	4	7.15%	21.6	3.2	0.15
SIX0444983	39	90	1.8	66	7.45%	22.4	1.8	0.20
SIX0444984	28	60	2.0	36	6.37%	21.8	2.6	0.15
SIX0444985	34	60	0.8	32	7.16%	20.6	2.4	0.15
SIX0444986	19	50	1.0	6	4.80%	22.2	3.0	0.20
BLANK 2	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0444987	15	50	0.9	32	4.81%	23.8	4.6	0.20
Std Nominal	379	20	2.4	1.35%	16.8 %	18.0	4.8	0.30
Determined	381	30	2.4	1.31%	16.7%	18.8	4.8	0.35
SIX0444988	6	<10	0.8	94	3.46%	19.6	5.6	0.15
SIX0444989	10	30	1.2	<2	4.21%	21.4	5.2	0.20
SIX0444990	40	90	0.6	36	7.56%	21.2	3.0	0.15
SIX0444991	8	20	0.9	<2	4.57%	19.4	5.2	0.20
SIX0444992	15	30	1.1	58	5.07%	22.4	4.8	0.20
SIX0444993	28	50	1.0	24	6.13%	20.6	3.6	0.15
SIX0444994	2	<10	0.6	4	3.25%	21.4	5.2	0.15
SIX0444995	7	20	0.8	110	4.23%	21.2	4.4	0.15
SIX0444995Q	7	10	5.1	524	6.19%	14.4	3.2	0.35
SIX0444996	54	110	0.7	66	9.15%	19.2	2.0	0.10
SIX0444997	48	90	1.2	38	7.98%	25.2	1.8	0.15
SIX0444998	26	60	0.8	36	6.25%	19.6	1.6	0.10
SIX0444998 Rpt	27	60	0.8	34	6.31%	19.4	1.8	0.10
SIX0444999	14	50	0.8	58	5.47%	18.6	4.4	0.10
SIX0445000	3	<10	1.6	<2	2.38%	17.8	5.4	0.05
Std Nominal	16	90	12.2	2600	4.54%	19.6	2.6	0.20
Determined	16	90	11.7	2640	4.61%	19.0	2.8	0.25
SIX0443525	3	<10	0.8	34	2.27%	17.8	3.8	0.05
SIX0443526	4	<10	0.8	4	2.31%	17.6	3.4	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
SIX0443527	29	150	1.2	26	6.08%	17.6	3.0	0.05
SIX0443528	7	20	1.4	16	3.40%	18.8	4.4	0.05
SIX0443529	25	60	1.0	26	6.35%	21.2	3.8	0.15
SIX0443530	20	50	1.4	16	6.52%	26.8	3.6	0.15
SIX0443531	22	50	1.4	22	6.58%	24.0	3.8	0.15
SIX0443532	29	60	1.2	16	6.78%	22.4	2.2	0.15
SIX0443532 Rpt	29	60	1.2	16	6.78%	22.6	2.2	0.15
SIX0443533	47	110	2.1	20	9.00%	24.0	1.6	0.25
SIX0443534	64	150	1.1	62	9.39%	19.6	0.8	0.10
SIX0443535	47	140	1.6	50	8.95%	21.0	1.2	0.15
SIX0443536	42	110	1.9	44	9.01%	23.4	2.0	0.15
SIX0443537	6	20	0.9	<2	3.54%	18.0	3.4	0.10
SIX0443538	11	30	0.9	14	4.49%	20.6	4.4	0.15
SIX0443539	33	90	1.1	34	7.39%	22.2	3.0	0.15
SIX0443540	6	20	1.0	8	3.31%	18.2	7.2	0.10
Std Nominal	27	40	5.1	246	9.69%	12.4	3.0	0.35
Determined	25	30	5.2	238	9.57%	12.2	3.0	0.35
SIX0443541	47	120	0.9	32	8.76%	21.6	2.4	0.15
SIX0443542	41	120	0.9	32	8.12%	20.2	2.2	0.15
SIX0443543	53	190	0.5	58	9.57%	18.8	0.6	0.10
SIX0443544	31	90	0.9	26	7.01%	21.2	3.0	0.15
SIX0443545	15	30	1.0	6	5.07%	21.0	5.8	0.15
SIX0443545Q	43	160	1.1	42	8.17%	22.2	4.6	0.05
SIX0443546	15	30	0.9	26	4.70%	20.4	6.2	0.15
SIX0443547	7	20	0.8	142	3.14%	19.6	6.2	0.10
SIX0443548	7	20	0.7	78	3.33%	19.0	5.0	0.10
SIX0443549	25	90	0.9	82	5.97%	20.2	4.0	0.15
Std Nominal	43	220		1520	8.65%			
Determined	45	220	16.9	1510	8.47%	20.6	2.6	0.65
SIX0443550	19	50	3.7	70	5.49%	23.4	4.0	0.15
SIX0443551	5	30	0.8	58	2.77%	20.2	7.0	0.15
SIX0443551 Rpt	5	30	0.8	58	2.76%	20.4	7.2	0.15
SIX0443552	2	<10	0.8	38	2.34%	21.4	7.6	0.15
SIX0443553	2	<10	0.7	26	2.45%	20.2	7.6	0.10
SIX0443554	2	<10	0.8	6	2.73%	22.2	7.2	0.15
SIX0443555	3	<10	0.8	12	2.71%	20.6	6.8	0.10
SIX0443556	7	20	1.2	24	3.50%	20.0	6.2	0.15
SIX0443557	2	<10	0.7	26	2.80%	21.8	8.8	0.15
SIX0443558	11	30	1.0	24	3.98%	22.2	7.6	0.15
BLANK 3	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0443559	17	50	1.5	26	4.68%	18.8	5.2	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
SIX0443560	44	110	1.5	144	7.84%	20.8	2.0	0.15
SIX0443560 Rpt	45	110	1.4	140	7.89%	20.2	2.0	0.15
SIX0443561	37	90	1.7	86	6.90%	23.0	1.8	0.10
SIX0443562	44	160	0.9	90	8.03%	21.4	1.4	0.10
SIX0443563	27	50	1.9	50	5.98%	25.6	2.0	0.10
SIX0443564	38	90	1.6	60	7.73%	24.2	2.0	0.15
SIX0443565	21	50	1.7	38	5.31%	21.8	3.8	0.15
SIX0443566	20	60	0.7	172	5.34%	21.2	5.0	0.10
SIX0443567	30	90	1.1	94	6.81%	21.0	4.0	0.15
SIX0443568	14	50	1.1	38	4.55%	22.0	7.2	0.10
Std Nominal	4	30	0.7	2	1.57%	11.0	1.6	<0.05
Determined	4	50	0.8	<2	1.61%	11.4	1.8	<0.05
SIX0443569	37	90	1.2	62	7.89%	21.8	4.8	0.15
SIX0443570	24	110	1.2	46	5.58%	20.2	4.6	0.10
SIX0443571	7	20	0.9	56	2.99%	20.4	6.0	0.10
SIX0443571Q	5	10	6.3	1740	4.04%	21.2	6.2	2.25
SIX0443572	18	110	1.1	20	4.72%	21.4	5.6	0.15
SIX0443573	26	60	2.4	22	6.34%	23.2	4.0	0.15
SIX0443574	30	60	2.0	36	6.60%	24.0	2.8	0.15
SIX0443575	9	30	1.5	26	3.37%	19.2	3.8	0.10
SIX0443576	4	<10	1.0	<2	2.86%	20.2	5.6	0.10
SIX0443577	4	<10	1.2	<2	2.57%	19.2	6.2	0.10
SIX0443578	9	30	1.4	42	3.78%	20.8	6.2	0.10
SIX0443579	23	50	1.7	38	6.87%	25.0	4.6	0.25
SIX0443580	25	50	2.7	28	5.87%	23.0	3.8	0.10
SIX0443581	61	90	1.4	76	9.31%	21.8	1.6	0.15
SIX0443582	34	60	2.1	38	6.46%	21.6	2.2	0.10
SIX0443583	50	110	1.9	68	8.56%	23.4	2.0	0.15
SIX0443584	52	110	1.6	86	9.73%	21.4	1.6	0.15
SIX0443585	52	110	1.9	134	9.21%	24.6	2.6	0.15
Std Nominal	379	20	2.4	1.35%	16.8 %	18.0	4.8	0.30
Determined	391	30	2.5	1.35%	16.8%	18.6	4.8	0.35
SIX0443586	23	50	1.5	70	6.53%	24.6	8.8	0.20
SIX0443587	3	<10	0.8	22	4.76%	24.2	14.4	0.25
SIX0443588	8	30	1.7	12	4.29%	23.6	10.4	0.15
SIX0443589	33	60	1.8	56	6.87%	22.6	4.2	0.15
SIX0443590	31	60	1.8	30	7.81%	24.2	7.8	0.20
SIX0443591	54	360	0.9	72	8.92%	20.4	1.8	0.10
SIX0443592	22	30	2.7	24	4.97%	21.2	4.8	0.10
SIX0443593	39	70	2.4	30	7.51%	23.8	3.0	0.15
SIX0443594	16	30	1.4	24	5.48%	25.2	9.4	0.20



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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
SIX0443595	10	20	2.3	34	4.56%	20.8	7.6	0.15
Std Nominal	16	90	12.2	2600	4.54%	19.6	2.6	0.20
Determined	15	90	12.0	2530	4.44%	18.8	2.8	0.20
SIX0443596	6	20	1.8	76	3.64%	22.0	7.6	0.15
SIX0443597	31	70	2.9	90	7.54%	26.6	3.4	0.15
SIX0443597Q	4	10	5.8	1700	4.05%	21.8	6.4	2.30
SIX0443598	24	70	0.8	32	5.89%	19.4	4.2	0.10
SIX0443599	27	60	2.1	10	8.85%	23.8	4.8	0.25
SIX0443600	26	60	0.6	42	7.73%	20.6	3.4	0.15
SIX0444456	13	30	1.0	62	4.58%	22.0	3.4	0.10
SIX0444457	20	70	1.4	56	5.69%	25.0	4.8	0.10
SIX0444458	32	70	0.8	58	6.91%	20.6	2.0	0.10
SIX0444459	35	70	0.8	72	7.12%	20.4	3.0	0.10
SIX0444460	16	60	0.5	46	4.64%	20.4	5.4	0.10
SIX0444461	5	20	0.7	40	4.18%	22.8	5.2	0.60
SIX0444462	9	30	0.5	80	5.69%	21.8	4.0	0.85
BLANK 4	<1	<10	<0.1	2	<100	<0.2	<0.2	<0.05
SIX0444463	34	70	1.9	74	7.08%	20.6	2.8	0.15
SIX0444464	13	30	1.5	32	4.78%	19.4	3.0	0.15
SIX0444465	35	70	4.7	50	6.90%	22.4	1.8	0.15
SIX0444466	7	20	1.4	22	4.06%	19.6	7.0	0.15
SIX0444467	2	<10	0.7	<2	2.34%	18.6	6.8	0.10
Std Nominal	27	40	5.1	246	9.69%	12.4	3.0	0.35
Determined	25	30	5.2	240	9.34%	12.2	3.2	0.35
SIX0444468	9	30	0.8	56	3.80%	20.0	6.0	0.10
SIX0444469	4	<10	0.8	4	2.37%	19.6	5.0	0.15
SIX0444470	21	60	0.9	70	6.36%	28.2	3.8	0.65
SIX0444470 Rpt	22	60	0.9	72	6.53%	29.4	4.0	0.70
SIX0444471	23	60	0.9	24	5.32%	21.6	2.4	0.15
SIX0444472	17	60	1.2	36	4.86%	20.2	5.0	0.10
SIX0444472 Rpt	17	60	1.2	34	4.78%	20.0	4.8	0.10
SIX0444473	23	60	0.9	66	5.43%	20.6	3.4	0.15
SIX0444474	44	130	0.8	26	8.02%	22.2	2.0	0.15
SIX0444475	24	70	0.7	32	5.46%	20.0	2.6	0.10
SIX0444476	35	100	1.7	34	7.42%	21.4	2.8	0.15
SIX0444477	41	130	1.2	48	7.66%	20.4	1.8	0.10
SIX0444477Q	5	10	6.4	1740	4.02%	19.8	6.4	2.10
SIX0444478	46	140	0.8	54	8.46%	22.0	2.4	0.15
SIX0444479	10	20	0.8	34	3.16%	18.6	5.8	0.15
SIX0444480	Sample Not Received							
SIX0444481	Sample Not Received							



Reference: aa078099.c Order Number: OGDD002 Page 13 of 56

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
SIX0444482	Sample Not Received							
Std Nominal	43	220		1520	%8.65			
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444483	Sample Not Received							
SIX0444484	Sample Not Received							
SIX0444485	Sample Not Received							
SIX0444486	Sample Not Received							
SIX0444487	Sample Not Received							
SIX0444488	Sample Not Received							
SIX0444489	Sample Not Received							
SIX0444490	Sample Not Received							
Std Nominal	4	30	0.7	2	1.57%	11.0	1.6	<0.05
Determined	5	30	0.8	2	1.60%	10.6	1.6	<0.05
SIX0444491	Sample Not Received							
SIX0444492	Sample Not Received							
SIX0444493	Sample Not Received							
SIX0444494	Sample Not Received							
SIX0444494 Rpt	Sample Not Received							
SIX0444495	Sample Not Received							
SIX0444496	Sample Not Received							
SIX0444497	Sample Not Received							
SIX0444497Q	Sample Not Received							
SIX0444498	Sample Not Received							
SIX0444499	Sample Not Received							
Std Nominal	379	20	2.4	%1.35	%16.8	18.0	4.8	0.30
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444500	Sample Not Received							
SIX0444501	Sample Not Received							
SIX0444502	Sample Not Received							
SIX0444503	Sample Not Received							
SIX0444504	Sample Not Received							
SIX0444505	Sample Not Received							
SIX0444506	Sample Not Received							
SIX0444506 Rpt	Sample Not Received							
SIX0444507	Sample Not Received							



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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
SIX0444508	Sample Not Received							
SIX0444509	Sample Not Received							
Std Nominal	16	90	12.2	2600	4.54%	19.6	2.6	0.20
Determined	18	90	12.0	2600	4.54%	19.6	2.8	0.25



Reference: aa078099.c Order Number: OGDD002 Page 15 of 56

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
SIX0444939	1.98%	10	1.18%	858	2.0	2.34%	19.0	8
SIX0444940	3.58%	10	1.09%	798	1.5	1.74%	19.0	6
SIX0444941	9000	<10	9700	1210	1.5	1.45%	17.0	10
SIX0444942	1.06%	10	1.62%	3030	2.0	1.01%	19.0	32
SIX0444943	6200	10	1.23%	3840	1.5	1.39%	16.0	16
Std Nominal	4.40%	50	8200	3250	10.0	1500	7.0	38
Determined	4.41%	50	8100	3240	10.0	1600	8.0	40
SIX0444944	1.52%	20	1.03%	936	1.5	2.32%	21.0	8
SIX0444945	2.24%	10	1.07%	664	1.0	2.20%	23.0	6
SIX0444945Q	2.84%	20	2600	4520	14.0	1.87%	17.5	6
SIX0444946	1.48%	10	8100	652	1.0	2.11%	19.5	6
SIX0444947	1.91%	10	8200	744	1.5	2.01%	21.0	8
SIX0444947 Rpt	1.96%	10	8400	760	1.5	2.05%	20.5	8
SIX0444948	1.57%	10	9700	808	1.0	1.95%	19.0	10
SIX0444949	1.08%	10	7900	946	1.0	2.07%	13.5	10
SIX0444950	9300	10	1.11%	1650	3.5	1.81%	19.0	8
SIX0444951	2.02%	20	1.11%	1250	1.0	1.78%	18.5	10
SIX0444952	1.13%	10	7300	1170	1.0	2.20%	13.0	10
SIX0444953	1.86%	20	1.08%	752	1.0	2.06%	19.0	12
SIX0444954	2.17%	20	9900	1060	1.0	1.93%	23.0	8
SIX0444955	2.47%	10	8800	884	2.5	2.18%	17.5	8
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.35%	<10	1.74%	1180	58.5	1.27%	6.5	74
SIX0444956	1.25%	10	1.29%	1340	2.0	2.04%	26.5	16
SIX0444957	1.93%	10	8000	1270	1.5	2.15%	18.0	10
SIX0444958	2.04%	10	6800	1240	1.0	1.87%	15.5	10
SIX0444959	2.19%	10	7800	1410	1.0	1.72%	20.5	8
SIX0444960	1.38%	20	1.63%	1220	1.0	2.37%	15.5	50
SIX0444961	1.45%	10	1.92%	1380	1.5	2.17%	15.5	42
SIX0444962	2.00%	10	1.82%	1110	1.5	1.84%	17.0	38
SIX0444963	1.24%	10	1.77%	1210	1.0	2.17%	24.0	44
SIX0444964	9500	10	2.25%	1260	1.0	2.13%	11.5	58
SIX0444965	1.24%	10	2.34%	1380	1.0	1.81%	18.5	62
SIX0444966	1.06%	<10	3.00%	1690	1.5	2.05%	15.0	80
SIX0444967	1.02%	<10	3.43%	1720	1.0	2.11%	8.5	90
SIX0444967 Rpt	1.04%	<10	3.47%	1730	1.0	2.15%	9.0	92
SIX0444968	1.04%	<10	1.82%	1060	1.0	2.06%	12.5	46
SIX0444969	9800	<10	1.72%	906	1.0	1.87%	14.0	44
SIX0444970	1.13%	10	1.28%	792	1.0	2.13%	15.0	24
Std Nominal	2.59%	<10	2300	780	7.0	2300	7.5	8



Reference: aa078099.c Order Number: OGDD002 Page 16 of 56

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
Determined	2.58%	<10	2400	784	6.0	2300	6.5	10
SIX0444970Q	2.72%	30	3500	1780	25.0	1.93%	16.0	12
SIX0444971	1.16%	10	1.51%	878	1.5	2.17%	17.5	36
SIX0444972	2.60%	<10	7300	494	1.0	1.50%	12.5	10
SIX0444973	1.24%	<10	1.26%	786	1.0	1.88%	18.0	24
SIX0444974	1.30%	<10	1.47%	742	1.5	1.82%	17.0	32
SIX0444975	1.66%	<10	2.37%	1180	2.0	1.55%	22.0	54
SIX0444976	2.08%	10	1.85%	878	2.0	1.21%	37.0	14
SIX0444977	2.33%	20	2.21%	856	2.0	1.04%	44.5	10
SIX0444978	2.57%	10	1.74%	736	3.5	1.19%	27.0	10
SIX0444979	2.57%	<10	2.42%	1080	7.5	9700	36.5	16
SIX0444980	2.36%	20	2.53%	1290	1.5	1.75%	24.0	50
SIX0444981	1.11%	<10	3.24%	1760	1.0	2.10%	15.0	76
SIX0444982	1.39%	<10	2.92%	1540	1.0	2.09%	17.0	66
SIX0444983	1.53%	10	3.18%	1610	<0.5	2.24%	15.0	90
SIX0444984	1.62%	20	2.68%	1350	1.0	2.18%	15.0	70
SIX0444985	1.58%	<10	2.56%	1390	<0.5	1.99%	12.0	58
SIX0444986	1.52%	<10	1.84%	1090	<0.5	2.21%	18.0	38
BLANK 2	<100	<10	<100	<2	<0.5	<100	<0.5	<2
SIX0444987	1.89%	<10	1.70%	1110	1.0	2.03%	23.0	26
Std Nominal	3.28%	20	7700	3230	190	1.15%	12.0	54
Determined	3.25%	20	7800	3270	192	1.18%	12.5	52
SIX0444988	3.15%	<10	1.13%	1140	2.5	1.66%	22.0	10
SIX0444989	2.62%	10	1.50%	1040	1.0	1.76%	27.5	20
SIX0444990	1.09%	<10	2.85%	1510	1.0	2.17%	14.5	72
SIX0444991	3.03%	<10	1.65%	1230	<0.5	1.29%	22.5	16
SIX0444992	2.29%	<10	1.66%	1320	1.5	1.90%	21.0	28
SIX0444993	1.00%	<10	2.35%	1220	<0.5	2.33%	11.0	60
SIX0444994	1.06%	<10	9300	1100	1.0	2.30%	17.5	6
SIX0444995	1.67%	<10	9300	1110	2.0	1.92%	18.5	12
SIX0444995Q	1.78%	20	8300	3.40%	12.5	7300	10.0	36
SIX0444996	5700	<10	3.64%	1610	2.0	1.72%	8.0	98
SIX0444997	6900	<10	3.10%	1500	1.5	2.33%	15.5	80
SIX0444998	1.57%	10	2.37%	1250	1.0	2.08%	14.5	60
SIX0444998 Rpt	1.63%	10	2.40%	1270	1.0	2.12%	14.0	60
SIX0444999	2.64%	<10	1.18%	902	2.0	1.65%	14.5	22
SIX0445000	4.16%	<10	4700	310	1.0	1.59%	16.5	6
Std Nominal	3.14%	30	1.48%	546	99.0	2.08%	18.0	42
Determined	3.14%	30	1.49%	550	98.0	2.03%	18.0	44
SIX0443525	3.91%	<10	4900	326	2.0	1.81%	15.0	6
SIX0443526	3.54%	<10	5300	326	1.0	2.12%	14.0	12



Reference: aa078099.c Order Number: OGDD002 Page 17 of 56

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
SIX0443527	1.71%	<10	2.75%	936	1.0	2.14%	9.0	122
SIX0443528	2.65%	<10	8800	594	<0.5	1.90%	17.5	14
SIX0443529	1.63%	<10	2.25%	1270	1.0	2.19%	14.5	56
SIX0443530	1.44%	10	1.70%	1130	2.0	2.61%	21.0	42
SIX0443531	1.61%	<10	1.85%	1140	1.5	2.16%	18.0	44
SIX0443532	1.27%	10	2.46%	1370	1.0	2.33%	16.5	56
SIX0443532 Rpt	1.27%	<10	2.47%	1370	1.0	2.32%	16.5	58
SIX0443533	1.40%	10	3.52%	2060	1.0	2.23%	13.5	94
SIX0443534	7600	10	3.47%	1510	626	1.86%	6.5	206
SIX0443535	9300	10	3.54%	1740	5.5	2.13%	9.5	116
SIX0443536	1.33%	10	3.38%	1890	2.0	1.93%	11.5	84
SIX0443537	3.45%	<10	1.23%	1040	<0.5	1.57%	18.0	14
SIX0443538	3.41%	<10	1.66%	1210	1.0	1.64%	20.5	22
SIX0443539	1.12%	<10	2.78%	1650	1.0	2.24%	14.5	64
SIX0443540	4.10%	<10	1.75%	914	3.0	1.24%	20.0	18
Std Nominal	4.40%	50	8200	3250	10.0	1500	7.0	38
Determined	4.43%	50	8100	3250	10.0	1500	8.0	38
SIX0443541	9300	<10	3.44%	1820	1.0	1.80%	9.0	78
SIX0443542	1.17%	<10	3.25%	1530	1.0	1.76%	10.0	90
SIX0443543	4000	<10	4.00%	1560	<0.5	1.65%	4.5	154
SIX0443544	1.47%	<10	3.01%	1380	<0.5	1.45%	18.0	72
SIX0443545	2.23%	<10	2.32%	1120	1.5	1.43%	22.5	30
SIX0443545Q	1.69%	10	4.53%	1180	4.0	2.29%	44.0	136
SIX0443546	1.95%	<10	1.67%	1110	1.0	1.81%	17.0	28
SIX0443547	2.57%	<10	8200	544	1.5	1.88%	14.0	14
SIX0443548	2.75%	<10	8100	608	1.0	1.82%	14.5	18
SIX0443549	1.46%	<10	2.09%	1100	1.0	2.00%	14.0	58
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.32%	<10	1.72%	1170	57.0	1.28%	5.0	72
SIX0443550	2.71%	20	1.84%	888	1.5	2.06%	18.0	40
SIX0443551	2.17%	10	9100	528	1.0	2.16%	19.0	14
SIX0443551 Rpt	2.27%	10	9200	548	1.0	2.26%	20.0	14
SIX0443552	2.71%	<10	6700	508	<0.5	2.13%	20.5	4
SIX0443553	2.35%	<10	6000	544	1.0	2.31%	19.0	6
SIX0443554	2.37%	<10	5600	528	1.0	2.39%	20.5	6
SIX0443555	2.81%	<10	7600	634	1.0	2.13%	20.0	8
SIX0443556	2.95%	<10	1.32%	888	3.0	1.42%	22.5	12
SIX0443557	2.67%	<10	1.19%	692	1.5	2.10%	20.0	4
SIX0443558	2.48%	<10	1.66%	956	1.0	1.92%	19.0	22
BLANK 3	<100	<10	<100	4	<0.5	200	<0.5	<2
SIX0443559	2.04%	<10	1.58%	1090	1.0	1.61%	16.5	30



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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
SIX0443560	8400	<10	3.02%	1560	1.0	2.18%	9.0	94
SIX0443560 Rpt	8700	<10	3.03%	1580	1.0	2.21%	9.0	94
SIX0443561	8400	10	2.59%	1490	1.5	2.40%	10.0	72
SIX0443562	5400	<10	3.17%	1370	<0.5	2.18%	6.5	126
SIX0443563	1.13%	10	2.27%	1420	1.0	2.76%	13.5	68
SIX0443564	1.12%	<10	2.74%	1790	1.0	2.10%	17.0	70
SIX0443565	1.20%	10	1.83%	1210	1.0	2.05%	16.5	42
SIX0443566	3.00%	<10	1.79%	942	1.5	1.68%	15.0	54
SIX0443567	1.26%	<10	2.50%	1180	1.5	1.94%	13.5	74
SIX0443568	1.47%	<10	1.46%	876	1.5	2.00%	21.5	32
Std Nominal	2.59%	<10	2300	780	7.0	2300	7.5	8
Determined	2.69%	<10	2400	772	7.0	2300	8.0	10
SIX0443569	1.27%	10	2.93%	1550	1.0	1.76%	14.5	66
SIX0443570	2.05%	<10	2.17%	1030	1.0	1.77%	13.5	82
SIX0443571	2.98%	<10	7500	718	2.0	2.15%	17.5	14
SIX0443571Q	2.92%	20	2500	4460	12.0	1.88%	17.0	6
SIX0443572	2.36%	<10	1.78%	1090	1.5	1.75%	17.5	48
SIX0443573	1.53%	<10	2.21%	1260	1.5	2.08%	19.0	50
SIX0443574	1.05%	<10	2.27%	1540	1.0	2.13%	17.0	54
SIX0443575	2.14%	<10	1.02%	1030	1.0	1.85%	15.0	20
SIX0443576	2.82%	<10	6800	1700	<0.5	1.70%	18.5	10
SIX0443577	2.50%	<10	6300	814	<0.5	1.94%	20.5	8
SIX0443578	3.07%	<10	1.02%	822	1.0	1.77%	19.0	20
SIX0443579	1.50%	<10	1.91%	1900	4.0	1.79%	17.0	42
SIX0443580	1.03%	10	2.22%	1220	1.0	2.32%	18.0	52
SIX0443581	8000	10	3.89%	1680	1.0	2.11%	8.0	124
SIX0443582	9600	<10	2.33%	1300	1.0	2.20%	10.0	66
SIX0443583	1.09%	<10	3.21%	1620	1.0	2.06%	12.0	94
SIX0443584	9800	20	3.58%	1740	1.0	1.91%	7.5	96
SIX0443585	1.26%	<10	3.40%	1630	1.5	2.12%	14.5	96
Std Nominal	3.28%	20	7700	3230	190	1.15%	12.0	54
Determined	3.19%	20	7500	3290	185	1.17%	13.0	56
SIX0443586	1.75%	<10	1.97%	1020	2.0	1.86%	27.5	38
SIX0443587	2.49%	<10	8000	888	2.0	1.51%	36.5	6
SIX0443588	1.62%	10	1.01%	718	1.5	1.96%	28.0	18
SIX0443589	1.05%	<10	2.53%	1350	2.5	2.08%	15.5	62
SIX0443590	1.35%	10	2.53%	1500	2.0	1.91%	23.0	52
SIX0443591	5700	<10	4.32%	1470	1.0	1.77%	9.5	172
SIX0443592	1.13%	<10	1.81%	962	2.5	2.12%	14.5	40
SIX0443593	1.09%	<10	2.61%	1510	1.0	2.34%	15.0	64
SIX0443594	2.03%	<10	1.52%	1170	2.0	1.95%	27.5	28



Reference: aa078099.c Order Number: OGDD002 Page 19 of 56

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
SIX0443595	2.21%	10	1.55%	1010	1.5	1.41%	27.5	18
Std Nominal	3.14%	30	1.48%	546	99.0	2.08%	18.0	42
Determined	3.18%	30	1.42%	568	98.5	2.07%	18.0	40
SIX0443596	2.00%	10	1.46%	784	1.5	1.95%	24.0	10
SIX0443597	1.96%	10	2.97%	1670	1.5	1.87%	21.0	56
SIX0443597Q	2.88%	20	2700	4460	12.5	1.92%	16.5	6
SIX0443598	1.54%	<10	2.30%	1400	1.0	1.77%	14.5	56
SIX0443599	1.62%	10	3.44%	2310	1.5	1.46%	19.0	30
SIX0443600	9500	<10	2.45%	2000	3.0	1.88%	12.5	26
SIX0444456	1.10%	10	1.77%	1090	2.0	2.32%	15.0	14
SIX0444457	1.72%	10	2.51%	1180	2.5	2.41%	14.0	34
SIX0444458	5600	<10	2.42%	1370	1.0	2.35%	10.0	52
SIX0444459	7300	<10	2.96%	1290	2.0	2.07%	10.5	66
SIX0444460	1.38%	<10	2.07%	844	2.0	2.15%	15.0	42
SIX0444461	1.78%	10	1.44%	1380	1.5	2.06%	19.0	10
SIX0444462	9800	<10	1.22%	1880	5.0	1.84%	16.0	16
BLANK 4	<100	<10	<100	<2	<0.5	200	<0.5	<2
SIX0444463	1.05%	<10	2.70%	1440	1.5	2.05%	12.5	58
SIX0444464	2.30%	<10	1.82%	1010	2.5	1.63%	17.0	28
SIX0444465	1.31%	<10	2.62%	1320	3.0	2.18%	17.0	70
SIX0444466	2.58%	<10	1.54%	682	<0.5	1.59%	20.0	12
SIX0444467	3.39%	<10	5100	276	<0.5	2.14%	17.5	4
Std Nominal	4.40%	50	8200	3250	10.0	1500	7.0	38
Determined	4.41%	50	8200	3250	9.5	1500	8.0	36
SIX0444468	2.21%	<10	1.02%	518	1.0	2.18%	15.0	26
SIX0444469	2.60%	<10	5000	288	1.0	2.11%	14.5	6
SIX0444470	9500	20	1.63%	1160	1.0	2.17%	19.0	36
SIX0444470 Rpt	9700	20	1.70%	1180	1.0	2.26%	19.0	36
SIX0444471	1.05%	10	1.90%	996	<0.5	2.70%	11.0	48
SIX0444472	1.18%	<10	1.81%	876	<0.5	2.10%	17.0	30
SIX0444472 Rpt	1.16%	<10	1.76%	856	<0.5	2.05%	17.5	30
SIX0444473	1.15%	<10	2.09%	996	1.0	2.11%	15.0	42
SIX0444474	9400	<10	3.04%	1460	<0.5	2.30%	10.0	78
SIX0444475	1.40%	<10	2.12%	962	1.0	2.17%	12.5	44
SIX0444476	1.18%	<10	2.70%	1390	<0.5	2.05%	9.5	60
SIX0444477	8200	<10	2.86%	1380	1.0	2.21%	8.0	70
SIX0444477Q	2.87%	20	2700	4480	12.5	1.94%	16.5	6
SIX0444478	9700	<10	3.11%	1510	1.0	2.31%	11.0	74
SIX0444479	1.03%	<10	1.07%	624	<0.5	2.19%	12.5	16
SIX0444480	Sample Not Received							
SIX0444481	Sample Not Received							



Reference: aa078099.c Order Number: OGDD002 Page 20 of 56

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
SIX0444482	Sample Not Received							
Std Nominal	%2.35		%1.77	1180	54.0	%1.30		74
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444483	Sample Not Received							
SIX0444484	Sample Not Received							
SIX0444485	Sample Not Received							
SIX0444486	Sample Not Received							
SIX0444487	Sample Not Received							
SIX0444488	Sample Not Received							
SIX0444489	Sample Not Received							
SIX0444490	Sample Not Received							
Std Nominal	2.59%	<10	2300	780	7.0	2300	7.5	8
Determined	2.63%	<10	2300	748	7.0	2300	7.0	10
SIX0444491	Sample Not Received							
SIX0444492	Sample Not Received							
SIX0444493	Sample Not Received							
SIX0444494	Sample Not Received							
SIX0444494 Rpt	Sample Not Received							
SIX0444495	Sample Not Received							
SIX0444496	Sample Not Received							
SIX0444497	Sample Not Received							
SIX0444497Q	Sample Not Received							
SIX0444498	Sample Not Received							
SIX0444499	Sample Not Received							
Std Nominal	%3.28	20	7700	3230	190	%1.15	12.0	54
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444500	Sample Not Received							
SIX0444501	Sample Not Received							
SIX0444502	Sample Not Received							
SIX0444503	Sample Not Received							
SIX0444504	Sample Not Received							
SIX0444505	Sample Not Received							
SIX0444506	Sample Not Received							
SIX0444506 Rpt	Sample Not Received							
SIX0444507	Sample Not Received							



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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
SIX0444508	Sample Not Received							
SIX0444509	Sample Not Received							
Std Nominal	3.14%	30	1.48%	546	99.0	2.08%	18.0	42
Determined	3.13%	30	1.44%	568	104	2.17%	18.5	42



Reference: aa078099.c Order Number: OGDD002 Page 22 of 56

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
SIX0444939	<50	49	106	<0.1	400	0.2	5	<5
SIX0444940	100	44	153	<0.1	200	0.2	6	<5
SIX0444941	150	17	67.8	<0.1	3250	0.3	7	<5
SIX0444942	500	21	80.2	<0.1	400	0.4	19	<5
SIX0444943	400	13	43.4	<0.1	350	0.4	12	<5
Std Nominal	900	6730	205		9.37%	20.5	7	
Determined	950	6820	210	<0.1	9.37%	20.3	8	<5
SIX0444944	200	193	112	<0.1	2500	0.7	7	<5
SIX0444945	100	45	127	<0.1	300	0.2	6	<5
SIX0444945Q	300	8540	128	<0.1	3.65%	37.5	4	<5
SIX0444946	<50	46	98.2	<0.1	200	0.5	5	<5
SIX0444947	100	24	127	<0.1	100	0.6	6	<5
SIX0444947 Rpt	100	25	127	<0.1	100	0.5	6	<5
SIX0444948	150	22	105	<0.1	100	0.3	7	<5
SIX0444949	150	17	66.6	<0.1	150	0.3	8	<5
SIX0444950	200	23	59.2	<0.1	300	0.3	8	<5
SIX0444951	200	26	117	<0.1	350	0.3	8	<5
SIX0444952	200	19	67.2	<0.1	250	0.3	8	<5
SIX0444953	100	23	124	<0.1	200	0.3	6	<5
SIX0444954	150	29	138	<0.1	200	0.3	9	<5
SIX0444955	100	37	107	<0.1	3250	0.3	6	<5
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	650	545	594	<0.1	2.01%	12.4	16	<5
SIX0444956	200	33	98.0	<0.1	1500	0.4	9	<5
SIX0444957	100	37	94.8	<0.1	1050	0.3	10	<5
SIX0444958	100	35	100	<0.1	1200	0.3	10	<5
SIX0444959	100	30	112	<0.1	100	0.3	12	<5
SIX0444960	200	24	100	<0.1	700	0.3	15	<5
SIX0444961	250	23	94.6	<0.1	1400	0.3	16	<5
SIX0444962	200	18	118	<0.1	500	0.3	15	<5
SIX0444963	250	17	112	<0.1	450	0.5	19	<5
SIX0444964	300	19	71.8	<0.1	400	0.5	21	<5
SIX0444965	300	16	97.8	<0.1	500	0.4	23	<5
SIX0444966	450	15	73.8	<0.1	900	0.3	31	<5
SIX0444967	500	14	73.0	<0.1	700	0.4	35	<5
SIX0444967 Rpt	500	15	75.6	<0.1	750	0.4	35	<5
SIX0444968	250	14	77.2	<0.1	400	0.3	16	<5
SIX0444969	200	12	70.0	<0.1	550	0.3	16	<5
SIX0444970	200	14	81.0	<0.1	350	0.3	12	<5
Std Nominal	100	18	88.0	<0.1	<50	<0.1	3	<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
Determined	150	16	83.6	<0.1	<50	0.3	3	<5
SIX0444970Q	400	2710	150	<0.1	3.53%	25.9	4	20
SIX0444971	200	27	88.4	<0.1	500	0.5	13	<5
SIX0444972	100	22	112	<0.1	600	0.3	7	<5
SIX0444973	200	14	89.4	<0.1	300	0.3	12	<5
SIX0444974	200	15	90.8	<0.1	350	0.3	13	<5
SIX0444975	200	16	120	<0.1	400	0.5	22	<5
SIX0444976	<50	13	153	<0.1	150	0.3	15	<5
SIX0444977	<50	9	178	<0.1	150	0.3	15	<5
SIX0444978	<50	12	144	<0.1	200	0.3	12	<5
SIX0444979	<50	14	173	<0.1	100	0.3	15	<5
SIX0444980	250	11	151	<0.1	300	0.3	19	<5
SIX0444981	400	21	69.0	<0.1	600	0.3	28	<5
SIX0444982	350	16	99.0	<0.1	300	0.3	24	<5
SIX0444983	350	14	95.2	<0.1	300	0.3	25	<5
SIX0444984	250	13	104	<0.1	350	0.3	21	<5
SIX0444985	350	17	64.0	<0.1	600	0.3	25	<5
SIX0444986	200	19	94.8	<0.1	250	0.3	15	<5
BLANK 2	<50	<1	<0.2	<0.1	<50	0.2	<1	<5
SIX0444987	200	23	111	<0.1	200	0.3	16	<5
Std Nominal	1050	18	115	0.1	2.39%	5.6	8	<5
Determined	1000	19	114	0.1	2.38%	5.6	9	<5
SIX0444988	100	29	134	<0.1	150	0.3	10	<5
SIX0444989	150	23	142	<0.1	150	0.3	13	<5
SIX0444990	350	14	51.0	<0.1	1400	0.5	25	<5
SIX0444991	150	27	141	<0.1	100	0.4	14	<5
SIX0444992	200	25	122	<0.1	2050	0.3	16	<5
SIX0444993	300	23	63.8	<0.1	500	0.3	19	<5
SIX0444994	100	16	60.0	<0.1	200	0.2	6	<5
SIX0444995	150	25	85.6	<0.1	4600	0.3	10	<5
SIX0444995Q	450	4200	102	<0.1	5.24%	46.2	6	<5
SIX0444996	500	37	26.4	<0.1	1400	0.6	33	<5
SIX0444997	400	37	52.0	<0.1	1250	0.6	28	<5
SIX0444998	300	23	79.6	<0.1	1200	0.3	21	<5
SIX0444998 Rpt	300	23	78.8	<0.1	1200	0.3	21	<5
SIX0444999	250	23	112	<0.1	700	0.3	16	<5
SIX0445000	100	34	186	<0.1	100	0.4	6	<5
Std Nominal	1000	23	184	<0.1	3550	0.9	13	<5
Determined	1000	24	190	<0.1	3650	1.0	14	<5
SIX0443525	100	22	135	<0.1	150	0.3	6	<5
SIX0443526	150	32	141	<0.1	150	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
SIX0443527	200	15	94.2	<0.1	550	0.3	20	<5
SIX0443528	150	22	158	<0.1	150	0.3	8	<5
SIX0443529	300	16	102	<0.1	550	0.3	20	<5
SIX0443530	200	22	116	<0.1	500	0.3	16	<5
SIX0443531	250	16	123	<0.1	550	0.3	19	<5
SIX0443532	350	15	91.6	<0.1	550	0.3	23	<5
SIX0443532 Rpt	350	15	93.2	<0.1	550	0.3	23	<5
SIX0443533	500	10	91.6	<0.1	600	0.3	35	<5
SIX0443534	550	9	45.6	<0.1	7150	0.4	31	<5
SIX0443535	450	15	59.6	<0.1	750	0.3	32	<5
SIX0443536	500	14	107	<0.1	600	0.4	32	<5
SIX0443537	100	28	145	<0.1	<50	0.3	12	<5
SIX0443538	200	26	140	<0.1	100	0.3	15	<5
SIX0443539	400	15	75.2	<0.1	500	0.4	26	<5
SIX0443540	100	19	169	<0.1	150	0.3	11	<5
Std Nominal	900	6730	205		9.37%	20.5	7	
Determined	850	6570	199	<0.1	9.37%	20.6	8	<5
SIX0443541	550	67	44.2	<0.1	700	0.9	33	<5
SIX0443542	400	25	59.6	<0.1	550	0.4	29	<5
SIX0443543	450	24	18.0	<0.1	850	0.4	35	<5
SIX0443544	250	73	91.8	<0.1	550	0.4	25	<5
SIX0443545	150	16	130	<0.1	200	0.4	16	<5
SIX0443545Q	2450	4	37.2	<0.1	450	0.3	20	<5
SIX0443546	200	19	102	<0.1	400	0.3	14	<5
SIX0443547	150	19	115	<0.1	200	0.3	7	<5
SIX0443548	150	21	117	<0.1	250	0.3	9	<5
SIX0443549	350	14	81.8	<0.1	550	0.3	20	<5
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	650	514	565	<0.1	1.97%	12.2	15	<5
SIX0443550	200	17	166	<0.1	400	0.3	19	<5
SIX0443551	200	16	122	<0.1	150	0.3	8	<5
SIX0443551 Rpt	200	18	122	<0.1	150	0.3	8	<5
SIX0443552	100	22	139	<0.1	<50	0.3	7	<5
SIX0443553	100	16	123	<0.1	<50	0.3	7	<5
SIX0443554	100	17	125	<0.1	<50	0.3	6	<5
SIX0443555	100	25	144	<0.1	<50	0.3	8	<5
SIX0443556	100	23	157	<0.1	250	0.3	10	<5
SIX0443557	<50	14	126	<0.1	100	0.3	5	<5
SIX0443558	150	18	128	<0.1	150	0.2	12	<5
BLANK 3	<50	<1	0.4	<0.1	<50	0.2	<1	<5
SIX0443559	200	19	113	<0.1	300	0.3	16	<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
SIX0443560	350	29	53.4	<0.1	1450	0.5	28	<5
SIX0443560 Rpt	400	29	52.2	<0.1	1450	0.4	28	<5
SIX0443561	400	58	64.6	<0.1	750	0.5	25	<5
SIX0443562	300	13	40.0	<0.1	850	0.3	28	<5
SIX0443563	250	32	86.0	<0.1	650	0.3	20	<5
SIX0443564	500	26	85.2	<0.1	850	0.3	29	<5
SIX0443565	200	25	96.6	<0.1	550	0.3	18	<5
SIX0443566	350	25	110	<0.1	2200	0.3	14	<5
SIX0443567	350	14	73.2	<0.1	1250	0.3	22	<5
SIX0443568	200	19	97.0	<0.1	500	0.3	12	<5
Std Nominal	100	18	88.0	<0.1	<50	<0.1	3	<5
Determined	150	17	89.4	<0.1	<50	0.3	3	<5
SIX0443569	400	17	82.8	<0.1	950	0.4	28	<5
SIX0443570	200	16	120	<0.1	600	0.3	19	<5
SIX0443571	200	26	148	<0.1	550	0.3	9	<5
SIX0443571Q	300	8180	141	<0.1	3.85%	33.5	5	<5
SIX0443572	200	60	129	<0.1	400	0.6	16	<5
SIX0443573	300	22	123	<0.1	400	0.4	21	<5
SIX0443574	300	22	86.2	<0.1	600	0.3	21	<5
SIX0443575	200	26	119	<0.1	350	0.3	11	<5
SIX0443576	150	28	137	<0.1	100	0.3	8	<5
SIX0443577	150	25	136	<0.1	<50	0.2	8	<5
SIX0443578	200	29	151	<0.1	550	0.2	11	<5
SIX0443579	300	18	102	<0.1	600	0.3	19	<5
SIX0443580	400	21	87.6	<0.1	350	0.3	19	<5
SIX0443581	500	16	47.8	<0.1	1000	0.4	32	<5
SIX0443582	400	22	74.8	<0.1	600	0.3	21	<5
SIX0443583	500	19	81.2	<0.1	1100	0.3	31	<5
SIX0443584	550	24	58.8	<0.1	1100	0.3	35	<5
SIX0443585	550	19	95.8	<0.1	1600	0.3	33	<5
Std Nominal	1050	18	115	0.1	2.39%	5.6	8	<5
Determined	1050	19	116	0.1	2.44%	5.7	9	<5
SIX0443586	350	18	103	<0.1	450	0.3	19	<5
SIX0443587	150	18	113	<0.1	100	0.2	9	<5
SIX0443588	200	19	129	<0.1	200	0.3	10	<5
SIX0443589	400	16	82.8	<0.1	500	0.3	24	<5
SIX0443590	350	17	98.6	<0.1	550	0.3	24	<5
SIX0443591	500	6	34.8	<0.1	950	0.2	31	<5
SIX0443592	200	16	98.8	<0.1	400	0.3	14	<5
SIX0443593	400	17	88.6	<0.1	400	0.3	26	<5
SIX0443594	200	28	114	<0.1	250	0.3	15	<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
SIX0443595	150	17	159	<0.1	250	0.3	14	<5
Std Nominal	1000	23	184	<0.1	3550	0.9	13	<5
Determined	1000	22	181	<0.1	3500	0.9	13	<5
SIX0443596	100	17	133	<0.1	1000	0.3	9	<5
SIX0443597	500	19	147	<0.1	1550	0.3	26	<5
SIX0443597Q	300	8390	141	<0.1	3.77%	34.4	5	<5
SIX0443598	300	103	72.4	<0.1	650	0.6	19	<5
SIX0443599	550	23	126	<0.1	200	0.3	30	<5
SIX0443600	600	31	40.8	<0.1	500	0.2	30	<5
SIX0444456	300	34	67.0	<0.1	650	0.3	15	<5
SIX0444457	500	31	75.0	<0.1	800	0.3	22	<5
SIX0444458	400	13	25.4	<0.1	700	0.2	25	<5
SIX0444459	350	10	47.4	<0.1	600	0.3	22	<5
SIX0444460	150	15	57.6	<0.1	250	0.3	12	<5
SIX0444461	150	29	76.8	<0.1	150	0.3	8	<5
SIX0444462	200	39	52.8	<0.1	650	0.3	10	<5
BLANK 4	<50	<1	0.2	<0.1	<50	<0.1	<1	<5
SIX0444463	350	13	76.8	<0.1	600	0.2	23	<5
SIX0444464	200	21	119	<0.1	200	0.3	14	<5
SIX0444465	350	18	110	<0.1	550	0.4	23	<5
SIX0444466	100	17	133	<0.1	100	0.6	11	<5
SIX0444467	100	14	116	<0.1	<50	0.2	6	<5
Std Nominal	900	6730	205		9.37%	20.5	7	
Determined	850	6550	198	<0.1	9.11%	19.7	7	<5
SIX0444468	200	35	87.8	<0.1	500	0.3	9	<5
SIX0444469	100	24	99.8	<0.1	<50	0.2	5	<5
SIX0444470	1700	13	66.0	<0.1	1500	0.3	17	<5
SIX0444470 Rpt	1700	14	67.2	<0.1	1500	0.3	17	<5
SIX0444471	350	15	65.0	<0.1	250	0.3	17	<5
SIX0444472	200	17	90.6	<0.1	200	0.3	15	<5
SIX0444472 Rpt	200	16	90.6	<0.1	200	0.3	14	<5
SIX0444473	300	18	79.8	<0.1	500	0.3	18	<5
SIX0444474	450	12	53.2	<0.1	700	0.3	29	<5
SIX0444475	300	15	73.0	<0.1	500	0.3	18	<5
SIX0444476	400	13	67.8	<0.1	600	0.2	26	<5
SIX0444477	450	13	48.6	<0.1	800	0.3	28	<5
SIX0444477Q	300	8460	140	<0.1	3.80%	35.4	5	<5
SIX0444478	500	40	54.2	<0.1	850	0.5	32	<5
SIX0444479	150	18	64.4	<0.1	150	0.2	10	<5
SIX0444480	Sample Not Received							
SIX0444481	Sample Not Received							



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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
SIX0444482	Sample Not Received							
Std Nominal	600	521	561		%2.01	12.0	15	
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444483	Sample Not Received							
SIX0444484	Sample Not Received							
SIX0444485	Sample Not Received							
SIX0444486	Sample Not Received							
SIX0444487	Sample Not Received							
SIX0444488	Sample Not Received							
SIX0444489	Sample Not Received							
SIX0444490	Sample Not Received							
Std Nominal	100	18	88.0	<0.1	<50	<0.1	3	<5
Determined	150	19	87.4	<0.1	<50	0.3	3	<5
SIX0444491	Sample Not Received							
SIX0444492	Sample Not Received							
SIX0444493	Sample Not Received							
SIX0444494	Sample Not Received							
SIX0444494 Rpt	Sample Not Received							
SIX0444495	Sample Not Received							
SIX0444496	Sample Not Received							
SIX0444497	Sample Not Received							
SIX0444497Q	Sample Not Received							
SIX0444498	Sample Not Received							
SIX0444499	Sample Not Received							
Std Nominal	1050	18	115	0.1	%2.39	5.6	8	<5
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444500	Sample Not Received							
SIX0444501	Sample Not Received							
SIX0444502	Sample Not Received							
SIX0444503	Sample Not Received							
SIX0444504	Sample Not Received							
SIX0444505	Sample Not Received							
SIX0444506	Sample Not Received							
SIX0444506 Rpt	Sample Not Received							
SIX0444507	Sample Not Received							



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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
SIX0444508	Sample Not Received							
SIX0444509	Sample Not Received							
Std Nominal	1000	23	184	<0.1	3550	0.9	13	<5
Determined	1000	24	185	<0.1	3600	1.0	13	<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
SIX0444939	4.4	127	1.4	<0.2	19.1	1200	0.7	4.5
SIX0444940	4.6	118	1.2	<0.2	27.0	1450	0.8	3.0
SIX0444941	5.6	89.5	1.7	<0.2	17.0	1400	0.4	4.3
SIX0444942	10.5	97.0	1.7	<0.2	22.3	3650	0.4	5.0
SIX0444943	9.8	99.0	1.6	<0.2	39.2	2050	0.2	5.3
Std Nominal	1.6	262			8.9	1600	39.4	11.9
Determined	1.7	261	0.7	0.4	8.6	1650	40.7	11.5
SIX0444944	5.9	130	1.4	<0.2	56.2	1850	1.5	4.4
SIX0444945	5.8	127	1.5	<0.2	35.0	1500	0.7	3.5
SIX0444945Q	3.6	142	0.9	<0.2	12.7	1200	10.3	5.1
SIX0444946	5.9	117	1.3	<0.2	20.4	1250	0.8	3.2
SIX0444947	5.3	92.5	1.0	<0.2	28.2	1350	0.7	3.6
SIX0444947 Rpt	5.2	96.5	0.8	<0.2	27.6	1400	0.7	3.8
SIX0444948	5.1	106	1.2	<0.2	34.0	1750	0.5	2.9
SIX0444949	5.1	100	1.0	<0.2	21.7	1350	0.3	2.9
SIX0444950	7.5	102	2.0	<0.2	25.3	1550	0.3	5.3
SIX0444951	5.9	114	1.3	<0.2	24.1	1800	0.5	4.2
SIX0444952	5.5	108	0.9	<0.2	34.8	1350	0.3	3.5
SIX0444953	5.8	103	1.3	<0.2	19.6	1800	0.5	2.6
SIX0444954	5.6	100	1.4	<0.2	34.0	1900	0.6	3.8
SIX0444955	3.6	79.5	1.0	<0.2	26.5	1350	0.5	2.9
Std Nominal		104				5100		
Determined	2.7	110	0.6	<0.2	3.4	4950	6.3	0.9
SIX0444956	5.7	104	1.7	<0.2	49.3	2000	0.5	3.7
SIX0444957	4.1	88.0	0.7	<0.2	16.8	1400	0.6	1.3
SIX0444958	3.2	85.0	0.8	<0.2	16.9	1450	0.5	1.6
SIX0444959	4.7	86.0	1.0	<0.2	22.8	1700	0.6	1.6
SIX0444960	5.2	95.5	1.3	<0.2	16.2	2750	0.5	2.3
SIX0444961	4.3	85.0	1.2	<0.2	15.1	3150	0.5	2.4
SIX0444962	3.7	77.5	1.0	<0.2	20.0	2850	0.5	2.6
SIX0444963	4.6	89.5	2.2	<0.2	21.5	3300	0.5	5.2
SIX0444964	3.9	91.0	1.0	<0.2	13.6	3450	0.3	3.2
SIX0444965	5.0	90.0	1.4	<0.2	20.5	4000	0.5	2.8
SIX0444966	6.3	113	1.3	<0.2	12.2	5150	0.3	2.9
SIX0444967	5.6	107	1.1	<0.2	14.7	5400	0.3	3.6
SIX0444967 Rpt	5.4	112	1.2	<0.2	15.2	5500	0.4	3.9
SIX0444968	3.5	96.0	0.9	<0.2	29.9	3200	0.4	2.9
SIX0444969	3.8	82.5	0.9	<0.2	25.6	3200	0.3	2.7
SIX0444970	3.7	92.5	0.8	<0.2	31.0	2700	0.4	2.9
Std Nominal	0.7	124	0.6	<0.2	5.6	2400	0.4	39.6



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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
Determined	0.7	125	0.5	<0.2	5.7	2450	0.4	38.8
SIX0444970Q	5.8	142	0.9	3.4	14.5	1450	4.0	5.3
SIX0444971	4.1	90.5	1.1	<0.2	30.1	2950	0.5	4.0
SIX0444972	2.6	90.5	0.7	<0.2	29.8	1750	0.5	2.0
SIX0444973	3.7	81.0	1.1	<0.2	27.8	2400	0.4	3.3
SIX0444974	3.9	80.0	1.1	<0.2	26.4	2650	0.4	3.6
SIX0444975	6.4	64.5	1.7	<0.2	8.5	3750	0.6	3.3
SIX0444976	4.3	51.5	2.2	<0.2	12.2	2900	0.7	2.4
SIX0444977	4.9	59.5	2.9	<0.2	7.7	3300	0.9	3.1
SIX0444978	3.0	78.0	1.5	<0.2	14.3	2250	0.7	2.3
SIX0444979	4.3	48.0	2.2	<0.2	10.7	2600	0.8	2.4
SIX0444980	4.7	155	1.6	<0.2	31.3	4100	0.8	4.1
SIX0444981	3.8	87.0	1.4	<0.2	24.4	4650	0.7	3.0
SIX0444982	4.3	84.0	1.4	<0.2	18.1	4150	0.7	3.0
SIX0444983	5.8	114	1.4	<0.2	14.7	4150	0.7	3.5
SIX0444984	5.0	106	1.3	<0.2	16.1	3500	0.7	3.0
SIX0444985	3.3	98.0	0.8	<0.2	13.4	4350	0.5	1.5
SIX0444986	4.8	74.5	1.3	<0.2	19.1	2750	0.6	2.4
BLANK 2	0.2	0.5	<0.1	<0.2	0.2	<50	<0.1	<0.1
SIX0444987	4.5	85.5	1.5	<0.2	40.8	2800	0.8	3.4
Std Nominal	7.0	222	0.8	1.0	12.2	3200	0.4	30.8
Determined	7.3	214	0.7	1.2	11.7	3350	0.4	31.1
SIX0444988	3.6	73.5	1.0	<0.2	18.1	1700	0.9	2.4
SIX0444989	4.8	65.5	1.6	<0.2	42.9	2350	0.9	2.9
SIX0444990	5.3	73.0	1.3	<0.2	26.2	4050	0.3	3.0
SIX0444991	4.0	63.0	1.2	<0.2	37.5	2600	0.9	1.9
SIX0444992	4.8	73.0	1.4	<0.2	19.8	2950	0.9	2.5
SIX0444993	3.6	91.5	0.9	<0.2	13.9	3450	0.5	2.1
SIX0444994	5.1	90.5	1.3	<0.2	19.1	1350	0.4	3.0
SIX0444995	4.7	75.0	1.2	<0.2	22.9	1800	0.6	2.8
SIX0444995Q	2.3	283	0.8	<0.2	5.0	2050	25.2	5.8
SIX0444996	2.0	93.0	0.5	<0.2	2.5	5750	0.5	0.9
SIX0444997	3.5	103	1.5	<0.2	13.1	4750	0.6	3.7
SIX0444998	2.9	99.0	0.9	<0.2	18.7	3750	0.4	2.1
SIX0444998 Rpt	3.0	99.0	0.8	<0.2	18.6	3850	0.4	1.9
SIX0444999	3.9	97.0	0.7	<0.2	21.5	3100	0.5	1.9
SIX0445000	2.6	91.5	0.7	<0.2	27.0	1300	0.8	2.4
Std Nominal	5.6	338	1.4	<0.2	18.0	4650	0.9	4.9
Determined	5.4	348	1.5	<0.2	18.8	4450	1.0	4.9
SIX0443525	2.1	96.0	0.6	<0.2	22.0	1300	0.6	1.7
SIX0443526	2.2	99.0	0.6	<0.2	45.2	1600	0.6	2.7



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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
SIX0443527	2.5	89.5	0.7	<0.2	16.9	3450	0.4	2.1
SIX0443528	2.9	97.0	0.8	<0.2	57.3	2100	0.7	2.2
SIX0443529	4.4	94.0	1.0	<0.2	30.0	3650	0.4	2.6
SIX0443530	5.7	101	1.2	<0.2	40.1	3550	0.5	2.9
SIX0443531	5.2	91.5	1.0	<0.2	46.8	3800	0.6	2.4
SIX0443532	5.0	99.0	1.4	<0.2	32.6	4050	0.5	4.4
SIX0443532 Rpt	5.0	100	1.4	<0.2	32.0	4100	0.5	4.3
SIX0443533	9.1	133	1.5	<0.2	11.1	4900	0.5	3.0
SIX0443534	2.9	169	0.7	<0.2	6.5	4800	0.4	2.0
SIX0443535	3.7	160	0.9	<0.2	10.3	5150	0.3	2.7
SIX0443536	4.0	103	0.9	<0.2	10.9	6150	0.6	2.2
SIX0443537	3.5	63.5	0.9	<0.2	22.5	1950	0.7	1.4
SIX0443538	3.3	72.0	1.0	<0.2	22.3	2500	0.7	1.7
SIX0443539	4.9	87.5	1.3	<0.2	14.1	4450	0.3	3.1
SIX0443540	3.1	57.0	1.2	<0.2	21.2	1750	0.7	2.3
Std Nominal	1.6	262			8.9	1600	39.4	11.9
Determined	1.6	251	0.7	0.4	8.7	1600	38.5	11.9
SIX0443541	4.0	171	1.0	<0.2	10.9	5650	0.5	4.1
SIX0443542	3.1	119	0.9	<0.2	8.9	4900	0.4	2.4
SIX0443543	1.4	103	0.4	<0.2	2.0	5600	0.2	0.4
SIX0443544	2.7	90.5	1.0	<0.2	19.4	4100	0.5	1.6
SIX0443545	3.4	70.5	1.2	<0.2	19.1	2800	0.6	2.2
SIX0443545Q	1.9	764	3.3	<0.2	4.1	1.18%	0.1	1.3
SIX0443546	3.8	80.5	1.1	<0.2	24.7	2700	0.5	2.9
SIX0443547	3.2	89.0	0.9	<0.2	31.9	1800	0.8	2.7
SIX0443548	2.9	74.0	0.8	<0.2	24.0	1800	0.7	2.2
SIX0443549	3.7	78.0	1.1	<0.2	25.8	3600	0.5	3.4
Std Nominal		104				5100		
Determined	2.6	106	0.5	<0.2	3.2	4900	6.1	0.9
SIX0443550	4.7	146	1.3	<0.2	17.5	3100	0.8	2.9
SIX0443551	4.3	80.0	1.2	<0.2	24.3	1450	0.5	2.6
SIX0443551 Rpt	4.3	81.5	1.4	<0.2	23.5	1500	0.6	2.8
SIX0443552	3.8	65.5	1.3	<0.2	26.4	1250	0.6	3.0
SIX0443553	3.8	64.0	1.3	<0.2	24.2	1200	0.5	2.8
SIX0443554	4.3	72.0	1.3	<0.2	29.6	1300	0.5	3.2
SIX0443555	3.8	69.0	1.3	<0.2	24.5	1450	0.6	2.3
SIX0443556	3.7	72.0	1.2	<0.2	17.5	1850	0.6	2.3
SIX0443557	3.2	48.0	1.1	<0.2	23.1	1300	0.5	2.4
SIX0443558	3.3	65.5	1.0	<0.2	23.2	2350	0.5	2.5
BLANK 3	<0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0443559	3.4	78.5	0.9	<0.2	27.3	2750	0.5	2.2



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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
SIX0443560	4.3	99.0	1.0	<0.2	11.7	3950	0.3	2.7
SIX0443560 Rpt	4.4	98.0	0.9	<0.2	11.3	4050	0.3	2.6
SIX0443561	4.0	132	1.1	<0.2	15.7	4300	0.4	3.7
SIX0443562	2.1	113	0.7	<0.2	5.4	5000	0.2	1.4
SIX0443563	2.9	130	1.0	<0.2	38.7	3100	0.4	2.9
SIX0443564	5.0	89.0	1.5	<0.2	11.4	4450	0.4	1.9
SIX0443565	3.8	114	1.0	<0.2	14.6	3000	0.5	2.0
SIX0443566	2.6	76.5	0.7	<0.2	16.6	4100	0.6	1.5
SIX0443567	2.8	109	0.6	<0.2	12.4	4800	0.4	1.2
SIX0443568	4.0	91.0	1.3	<0.2	32.4	2700	0.4	2.9
Std Nominal	0.7	124	0.6	<0.2	5.6	2400	0.4	39.6
Determined	0.8	130	0.6	<0.2	5.7	2400	0.4	40.3
SIX0443569	3.7	99.0	0.9	<0.2	15.1	4850	0.4	2.2
SIX0443570	3.3	97.5	0.9	<0.2	18.1	3100	0.4	2.8
SIX0443571	2.7	82.0	1.2	<0.2	38.2	1700	0.5	3.5
SIX0443571Q	3.6	142	1.4	<0.2	15.1	1250	9.7	5.5
SIX0443572	4.2	103	1.1	<0.2	24.3	2600	0.7	2.9
SIX0443573	6.8	91.0	1.4	<0.2	34.0	3850	0.6	3.6
SIX0443574	4.3	100	1.4	<0.2	29.7	3350	0.4	3.7
SIX0443575	3.1	96.0	0.9	<0.2	34.3	1700	0.5	2.7
SIX0443576	2.8	58.5	1.2	<0.2	29.0	1300	0.6	3.0
SIX0443577	3.0	76.5	1.1	<0.2	36.7	1600	0.6	3.1
SIX0443578	2.7	90.0	1.0	<0.2	36.3	2050	0.6	2.7
SIX0443579	9.1	105	1.2	<0.2	22.5	3200	0.4	2.8
SIX0443580	3.3	115	1.1	<0.2	18.1	2750	0.4	2.5
SIX0443581	3.5	114	0.8	<0.2	4.4	5350	0.3	1.3
SIX0443582	3.7	122	1.2	<0.2	12.3	3700	0.4	3.8
SIX0443583	4.8	94.0	1.2	<0.2	12.6	5050	0.4	2.3
SIX0443584	3.9	91.5	0.8	<0.2	8.6	5800	0.3	1.5
SIX0443585	4.9	106	1.1	<0.2	62.5	5550	0.5	3.0
Std Nominal	7.0	222	0.8	1.0	12.2	3200	0.4	30.8
Determined	7.3	218	0.9	1.2	12.6	3350	0.4	30.2
SIX0443586	6.8	81.0	1.7	<0.2	84.4	3900	0.4	5.7
SIX0443587	7.4	61.5	2.1	<0.2	53.3	2600	0.5	5.5
SIX0443588	4.6	82.5	1.6	<0.2	54.4	2550	0.5	4.3
SIX0443589	6.2	94.5	1.1	<0.2	18.7	4000	0.4	3.6
SIX0443590	7.1	75.5	1.7	<0.2	41.9	4350	0.8	4.3
SIX0443591	2.1	118	0.7	<0.2	6.1	6000	0.3	1.0
SIX0443592	4.1	84.0	1.1	<0.2	23.6	2950	0.6	3.9
SIX0443593	8.1	88.0	1.5	<0.2	20.2	4450	0.5	3.2
SIX0443594	6.6	75.5	2.0	<0.2	36.1	3050	0.6	5.3



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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
SIX0443595	4.6	61.5	1.5	<0.2	33.5	3000	0.8	2.9
Std Nominal	5.6	338	1.4	<0.2	18.0	4650	0.9	4.9
Determined	5.4	329	1.5	<0.2	17.7	4500	0.9	4.7
SIX0443596	4.2	64.5	1.3	<0.2	25.5	2050	0.7	2.7
SIX0443597	6.5	74.5	1.7	<0.2	27.8	5700	0.7	2.4
SIX0443597Q	3.7	142	1.3	<0.2	13.2	1250	10.0	5.8
SIX0443598	2.3	85.5	0.7	<0.2	15.6	4550	0.5	1.6
SIX0443599	4.7	68.5	1.1	<0.2	16.5	8100	0.7	2.4
SIX0443600	3.5	72.0	1.0	<0.2	11.1	8250	0.2	2.0
SIX0444456	3.1	66.5	1.2	<0.2	23.4	4300	0.4	2.7
SIX0444457	3.5	83.0	1.0	<0.2	14.5	6500	0.4	2.0
SIX0444458	3.8	80.5	1.1	<0.2	8.4	4400	0.1	1.7
SIX0444459	2.0	87.0	0.8	<0.2	10.1	4400	0.2	1.5
SIX0444460	1.8	113	0.7	<0.2	16.3	3000	0.3	1.6
SIX0444461	5.6	126	1.2	<0.2	23.8	1750	0.3	2.5
SIX0444462	7.4	113	1.3	<0.2	24.9	2200	0.2	3.4
BLANK 4	<0.1	0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444463	3.4	107	0.9	<0.2	11.5	4200	0.3	1.7
SIX0444464	2.8	113	0.9	<0.2	25.7	2600	0.5	2.9
SIX0444465	4.8	91.5	1.7	<0.2	17.9	3900	0.5	5.6
SIX0444466	3.7	76.0	1.1	<0.2	18.5	2100	0.6	2.2
SIX0444467	3.2	57.0	0.9	<0.2	20.3	1300	0.5	2.1
Std Nominal	1.6	262			8.9	1600	39.4	11.9
Determined	1.6	252	0.7	0.4	8.6	1600	39.0	11.6
SIX0444468	3.6	93.0	1.1	<0.2	19.6	2800	0.6	2.3
SIX0444469	3.4	95.5	0.7	<0.2	22.1	1400	0.5	1.8
SIX0444470	7.3	292	1.6	<0.2	21.3	7000	0.3	3.8
SIX0444470 Rpt	7.5	289	1.7	<0.2	21.2	7200	0.3	3.9
SIX0444471	4.5	127	1.0	<0.2	14.7	3250	0.3	2.4
SIX0444472	4.2	96.5	1.2	<0.2	32.0	3450	0.4	2.4
SIX0444472 Rpt	4.2	95.5	1.2	<0.2	30.5	3350	0.4	2.3
SIX0444473	4.6	103	1.2	<0.2	23.9	3500	0.4	3.0
SIX0444474	6.5	101	1.0	<0.2	10.9	5050	0.2	2.0
SIX0444475	3.8	114	0.7	<0.2	36.4	3550	0.3	2.1
SIX0444476	4.2	100	0.7	<0.2	12.1	4550	0.3	1.6
SIX0444477	2.6	98.5	0.7	<0.2	12.0	4800	0.2	1.6
SIX0444477Q	3.9	141	0.9	<0.2	15.5	1250	9.9	6.0
SIX0444478	4.2	99.0	0.9	<0.2	22.7	5550	0.4	2.1
SIX0444479	2.8	100	0.8	<0.2	37.4	2050	0.3	2.9
SIX0444480	Sample Not Received							
SIX0444481	Sample Not Received							



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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
SIX0444482	Sample Not Received							
Std Nominal		104				5100		
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444483	Sample Not Received							
SIX0444484	Sample Not Received							
SIX0444485	Sample Not Received							
SIX0444486	Sample Not Received							
SIX0444487	Sample Not Received							
SIX0444488	Sample Not Received							
SIX0444489	Sample Not Received							
SIX0444490	Sample Not Received							
Std Nominal	0.7	124	0.6	<0.2	5.6	2400	0.4	39.6
Determined	0.8	129	0.6	<0.2	5.8	2300	0.5	40.3
SIX0444491	Sample Not Received							
SIX0444492	Sample Not Received							
SIX0444493	Sample Not Received							
SIX0444494	Sample Not Received							
SIX0444494 Rpt	Sample Not Received							
SIX0444495	Sample Not Received							
SIX0444496	Sample Not Received							
SIX0444497	Sample Not Received							
SIX0444497Q	Sample Not Received							
SIX0444498	Sample Not Received							
SIX0444499	Sample Not Received							
Std Nominal	7.0	222	0.8	1.0	12.2	3200	0.4	30.8
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444500	Sample Not Received							
SIX0444501	Sample Not Received							
SIX0444502	Sample Not Received							
SIX0444503	Sample Not Received							
SIX0444504	Sample Not Received							
SIX0444505	Sample Not Received							
SIX0444506	Sample Not Received							
SIX0444506 Rpt	Sample Not Received							
SIX0444507	Sample Not Received							



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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
SIX0444508	Sample Not Received							
SIX0444509	Sample Not Received							
Std Nominal	5.6	338	1.4	<0.2	18.0	4650	0.9	4.9
Determined	5.5	344	1.6	<0.2	17.8	4550	1.0	4.7



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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	0.15
SIX0444939	<5	<0.5	57.0	142	252	61.8	119	13.6
SIX0444940	<5	1.0	33.3	100	264	61.6	117	13.3
SIX0444941	15	1.0	57.6	590	148	42.4	88.9	10.9
SIX0444942	80	2.5	90.8	542	94	38.2	82.1	10.9
SIX0444943	30	3.0	135	486	68	77.3	170	21.4
Std Nominal	80	2.5	18.2	4.92%	106		48.5	6.45
Determined	90	2.5	19.1	4.96%	106	19.2	50.4	6.40
SIX0444944	15	1.5	66.2	1440	206	99.5	206	24.8
SIX0444945	<5	1.0	50.4	166	232	67.8	138	16.2
SIX0444945Q	10	3.5	13.3	3.12%	236	38.7	85.9	10.6
SIX0444946	<5	1.0	42.5	134	220	47.6	93.8	10.8
SIX0444947	<5	1.0	49.5	90	206	61.0	119	14.6
SIX0444947 Rpt	<5	1.0	49.2	90	212	61.8	117	15.0
SIX0444948	15	1.0	48.9	134	182	63.2	131	15.3
SIX0444949	15	1.0	57.7	152	126	51.7	106	12.7
SIX0444950	15	13.0	89.2	326	166	65.6	143	18.1
SIX0444951	20	1.0	65.8	258	186	56.4	118	14.1
SIX0444952	20	1.5	95.3	196	80	81.8	176	21.6
SIX0444953	15	2.0	31.6	142	202	45.4	89.4	10.4
SIX0444954	15	1.0	75.5	128	220	69.7	142	17.1
SIX0444955	<5	<0.5	58.3	104	218	56.9	112	12.9
Std Nominal	115		16.0	5190				
Determined	115	2.0	16.4	5140	98	11.4	23.2	2.90
SIX0444956	20	1.0	96.2	200	150	89.7	190	23.4
SIX0444957	15	<0.5	102	110	168	52.1	93.3	10.8
SIX0444958	10	<0.5	112	98	182	46.9	88.5	10.0
SIX0444959	10	<0.5	135	94	186	49.6	99.5	11.5
SIX0444960	70	1.5	70.8	142	94	43.7	91.3	11.1
SIX0444961	75	1.0	46.8	210	128	39.3	80.4	9.60
SIX0444962	60	23.5	42.4	144	170	48.8	97.5	11.5
SIX0444963	85	3.0	53.2	132	146	46.9	94.7	11.5
SIX0444964	105	1.0	45.7	110	116	33.6	70.3	8.60
SIX0444965	110	1.0	69.4	154	132	50.7	107	12.9
SIX0444966	160	2.0	89.3	160	64	39.6	86.7	10.6
SIX0444967	175	2.0	70.3	178	46	36.6	76.7	9.80
SIX0444967 Rpt	180	2.0	68.4	182	46	37.8	77.6	9.80
SIX0444968	80	1.0	47.8	110	112	61.6	128	15.2
SIX0444969	75	1.0	44.1	96	156	52.3	109	13.0
SIX0444970	50	<0.5	51.6	100	156	60.1	126	14.7
Std Nominal	20		10.1	14		20.3	44.5	5.20



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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
Determined	25	<0.5	9.8	10	56	19.7	43.4	5.10
SIX0444970Q	20	2.5	14.7	1.07%	176	37.5	79.9	9.60
SIX0444971	60	1.0	60.8	136	154	63.1	131	15.6
SIX0444972	15	<0.5	24.6	72	174	58.6	117	13.5
SIX0444973	40	1.5	67.7	100	174	62.6	127	14.9
SIX0444974	55	1.0	73.9	110	124	54.8	113	13.5
SIX0444975	90	2.0	73.4	174	144	26.0	58.4	7.65
SIX0444976	25	<0.5	22.9	158	252	33.9	68.0	7.70
SIX0444977	25	<0.5	17.3	156	348	25.5	47.0	5.15
SIX0444978	15	<0.5	19.0	106	276	39.2	73.8	8.40
SIX0444979	20	<0.5	25.8	184	292	30.9	58.7	6.60
SIX0444980	90	1.0	45.8	148	198	59.9	123	14.6
SIX0444981	140	1.5	61.0	192	76	49.8	107	12.9
SIX0444982	125	1.0	66.2	192	96	59.9	129	15.5
SIX0444983	125	1.5	81.4	166	50	38.0	85.8	10.9
SIX0444984	100	1.0	56.5	168	78	44.1	95.7	11.8
SIX0444985	120	2.0	35.7	146	70	38.0	79.0	9.40
SIX0444986	75	1.0	50.5	132	84	51.4	110	13.4
BLANK 2	<5	<0.5	<0.1	<2	<2	<0.1	<0.1	0.10
SIX0444987	50	1.0	60.1	134	132	89.8	190	23.7
Std Nominal	105	85.0	19.5	68		144	154	13.1
Determined	105	83.0	20.2	68	166	139	151	13.5
SIX0444988	10	1.5	62.8	116	176	47.1	88.1	9.85
SIX0444989	30	1.0	67.2	152	162	81.6	177	22.3
SIX0444990	125	2.0	47.6	184	88	48.9	106	13.1
SIX0444991	25	<0.5	36.5	166	162	60.4	126	15.2
SIX0444992	60	1.0	70.5	344	146	52.4	109	13.1
SIX0444993	95	1.0	40.2	188	114	36.8	76.6	9.10
SIX0444994	<5	1.0	60.4	120	182	52.0	107	12.9
SIX0444995	30	1.0	63.0	164	128	54.0	110	12.8
SIX0444995Q	30	19.5	19.4	1.10%	110	8.8	32.5	5.40
SIX0444996	170	1.5	34.4	178	54	15.8	33.0	4.15
SIX0444997	150	2.0	61.0	226	44	30.1	70.6	9.20
SIX0444998	105	1.0	44.8	152	94	38.1	74.6	9.10
SIX0444998 Rpt	105	1.0	43.2	150	92	38.8	75.6	9.20
SIX0444999	65	29.0	33.4	154	138	49.6	103	11.8
SIX0445000	<5	1.0	20.4	54	166	52.0	107	12.6
Std Nominal	120	3.5	24.6	88	76	33.0	68.0	7.90
Determined	115	4.5	24.5	90	78	34.5	70.5	8.15
SIX0443525	<5	<0.5	20.4	42	132	51.9	104	11.9
SIX0443526	10	<0.5	42.8	52	118	88.3	184	22.0



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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
SIX0443527	105	1.0	30.1	82	92	30.6	63.8	7.40
SIX0443528	25	<0.5	26.7	68	136	75.2	153	17.7
SIX0443529	95	1.0	46.0	124	118	47.0	99.5	11.9
SIX0443530	95	1.0	63.0	184	110	69.7	149	17.7
SIX0443531	105	<0.5	53.8	156	112	70.1	149	17.6
SIX0443532	110	1.0	58.5	156	66	49.3	104	12.4
SIX0443532 Rpt	105	1.0	58.8	156	66	49.6	104	12.4
SIX0443533	165	1.0	131	178	44	28.0	70.0	9.50
SIX0443534	165	1.0	52.5	136	22	14.0	32.1	4.25
SIX0443535	175	1.0	56.3	204	32	29.0	63.8	8.00
SIX0443536	190	1.0	58.2	244	54	32.4	70.1	8.65
SIX0443537	30	<0.5	46.6	136	120	55.8	112	13.0
SIX0443538	40	<0.5	50.7	146	136	59.9	116	13.1
SIX0443539	130	1.0	56.0	182	92	35.0	75.4	9.50
SIX0443540	20	<0.5	36.1	114	220	50.3	97.5	11.3
Std Nominal	80	2.5	18.2	4.92%	106		48.5	6.45
Determined	80	2.5	18.2	4.83%	104	18.2	48.6	6.45
SIX0443541	180	2.5	57.2	420	66	28.6	62.8	7.90
SIX0443542	150	1.0	38.6	228	64	22.3	46.4	5.75
SIX0443543	200	<0.5	27.6	180	14	8.4	17.5	2.50
SIX0443544	105	1.0	32.1	338	84	47.6	98.5	11.5
SIX0443545	45	<0.5	34.8	152	172	47.3	95.7	11.2
SIX0443545Q	200	<0.5	18.6	102	202	28.9	58.0	7.00
SIX0443546	50	<0.5	46.3	182	188	55.8	115	13.6
SIX0443547	30	<0.5	36.6	86	176	60.7	121	14.1
SIX0443548	30	<0.5	32.2	74	154	53.3	106	12.3
SIX0443549	95	1.0	56.5	110	118	49.3	106	12.8
Std Nominal	115		16.0	5190				
Determined	110	2.0	16.3	5110	92	10.5	21.8	2.70
SIX0443550	80	2.0	67.2	96	118	45.3	92.4	10.9
SIX0443551	15	<0.5	55.3	76	210	56.7	104	12.5
SIX0443551 Rpt	20	<0.5	55.7	78	214	55.9	108	12.9
SIX0443552	<5	<0.5	72.5	72	218	58.6	117	13.6
SIX0443553	<5	<0.5	71.1	72	230	55.6	113	13.2
SIX0443554	<5	<0.5	65.8	74	212	59.2	120	14.2
SIX0443555	10	<0.5	65.5	84	206	56.0	114	13.2
SIX0443556	20	<0.5	44.4	126	186	37.4	70.2	8.05
SIX0443557	<5	<0.5	37.8	98	264	54.9	103	11.4
SIX0443558	40	<0.5	32.2	138	226	51.1	95.7	10.8
BLANK 3	<5	<0.5	0.2	<2	<2	0.3	<0.1	<0.05
SIX0443559	60	3.0	34.4	114	158	54.2	111	13.1



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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
SIX0443560	135	2.0	50.7	234	52	28.9	61.4	7.80
SIX0443560 Rpt	135	1.5	51.6	232	54	27.6	61.4	7.80
SIX0443561	125	3.5	51.8	258	48	35.0	78.0	9.60
SIX0443562	150	1.0	37.2	124	34	13.6	30.2	3.90
SIX0443563	90	1.0	59.7	236	58	73.6	155	19.0
SIX0443564	125	1.0	69.1	212	56	30.8	69.0	8.85
SIX0443565	75	1.0	41.7	198	112	37.2	77.0	9.10
SIX0443566	70	<0.5	36.8	132	154	45.8	87.3	10.1
SIX0443567	100	1.0	31.3	176	118	38.4	76.2	8.85
SIX0443568	45	1.0	53.6	132	210	72.4	152	18.7
Std Nominal	20		10.1	14		20.3	44.5	5.20
Determined	25	<0.5	10.2	10	58	20.7	45.4	5.30
SIX0443569	135	2.0	57.2	176	146	38.6	79.3	9.65
SIX0443570	90	1.0	46.6	98	132	39.7	82.4	9.60
SIX0443571	20	1.0	63.9	60	182	72.3	150	18.1
SIX0443571Q	10	4.0	16.0	3.16%	224	42.5	87.5	10.2
SIX0443572	60	1.0	57.1	130	162	50.7	108	13.0
SIX0443573	100	1.0	56.8	156	116	60.0	126	14.9
SIX0443574	100	1.0	111	142	80	69.5	151	18.8
SIX0443575	30	<0.5	47.3	92	110	66.1	138	16.2
SIX0443576	10	<0.5	91.7	72	156	65.5	136	16.0
SIX0443577	10	<0.5	68.0	64	176	78.2	161	19.4
SIX0443578	30	<0.5	47.6	82	172	74.0	152	18.5
SIX0443579	85	143	61.1	148	136	53.0	112	13.5
SIX0443580	75	6.5	32.6	132	112	41.5	84.8	10.0
SIX0443581	165	2.5	42.4	156	38	14.1	32.3	4.25
SIX0443582	105	2.0	53.2	164	60	27.6	61.4	7.55
SIX0443583	155	2.5	53.9	178	56	27.6	60.9	7.55
SIX0443584	180	15.0	42.0	222	48	22.6	46.7	5.95
SIX0443585	160	28.0	60.0	170	76	89.8	187	22.4
Std Nominal	105	85.0	19.5	68		144	154	13.1
Determined	105	87.0	20.3	68	166	141	150	13.4
SIX0443586	75	2.0	117	124	264	135	289	35.1
SIX0443587	<5	<0.5	177	152	440	106	228	28.9
SIX0443588	25	1.5	84.8	114	314	98.5	209	25.5
SIX0443589	105	1.0	78.3	148	120	41.6	89.2	11.2
SIX0443590	95	1.0	105	176	206	84.5	183	22.9
SIX0443591	165	1.0	39.0	138	40	17.1	37.9	4.85
SIX0443592	70	1.5	47.4	136	138	50.5	107	13.0
SIX0443593	140	2.0	102	128	80	49.6	113	14.4
SIX0443594	55	1.0	155	164	254	74.8	164	20.6



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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
SIX0443595	35	1.0	49.3	122	206	63.0	129	15.0
Std Nominal	120	3.5	24.6	88	76	33.0	68.0	7.90
Determined	115	2.5	23.6	88	78	32.5	65.2	7.55
SIX0443596	20	<0.5	37.6	112	208	58.6	119	14.0
SIX0443597	150	2.0	76.0	206	94	62.5	135	16.4
SIX0443597Q	10	4.5	16.3	3.18%	224	42.6	87.7	10.1
SIX0443598	105	1.0	32.6	392	116	37.8	72.3	8.20
SIX0443599	210	1.5	56.6	296	132	47.1	95.7	11.5
SIX0443600	230	2.0	55.3	240	96	31.7	70.3	8.90
SIX0444456	95	2.0	48.1	206	94	67.1	139	17.1
SIX0444457	155	2.0	36.0	222	132	42.9	86.1	10.2
SIX0444458	135	1.0	56.3	118	52	23.8	54.9	7.10
SIX0444459	120	1.0	24.5	122	84	26.7	53.2	6.30
SIX0444460	55	<0.5	24.9	100	150	46.4	86.6	9.60
SIX0444461	15	18.5	45.3	170	150	56.2	111	12.8
SIX0444462	35	7.0	72.4	252	112	58.9	126	15.0
BLANK 4	<5	<0.5	0.4	<2	<2	<0.1	<0.1	0.10
SIX0444463	120	1.0	42.1	146	74	30.6	63.0	7.70
SIX0444464	45	1.0	39.2	118	86	63.8	132	15.6
SIX0444465	120	2.0	68.0	126	42	40.0	88.7	10.9
SIX0444466	20	<0.5	28.6	66	202	49.5	93.8	10.7
SIX0444467	<5	<0.5	40.5	26	200	50.9	97.5	11.1
Std Nominal	80	2.5	18.2	4.92%	106		48.5	6.45
Determined	80	2.5	17.7	4.87%	104	16.0	46.4	6.15
SIX0444468	35	1.5	30.1	184	172	45.2	91.9	10.8
SIX0444469	10	<0.5	21.3	42	144	50.7	100	11.6
SIX0444470	90	1.0	62.0	78	110	87.9	159	18.7
SIX0444470 Rpt	95	1.0	62.1	78	112	86.2	154	19.5
SIX0444471	80	1.0	48.4	90	66	39.7	82.1	9.65
SIX0444472	60	<0.5	37.8	98	150	61.9	129	15.5
SIX0444472 Rpt	55	<0.5	37.0	96	148	60.3	126	15.1
SIX0444473	85	1.0	44.1	124	92	52.5	110	13.4
SIX0444474	155	1.0	48.9	122	52	29.1	63.8	7.90
SIX0444475	85	<0.5	39.5	146	72	71.9	152	18.5
SIX0444476	130	1.0	47.0	208	78	30.9	67.5	8.20
SIX0444477	150	1.0	40.7	140	44	28.4	60.2	7.35
SIX0444477Q	10	4.5	15.9	3.16%	226	38.1	75.5	9.10
SIX0444478	175	1.0	53.9	170	66	45.9	100	12.2
SIX0444479	35	<0.5	34.8	78	166	68.4	142	17.4
SIX0444480	Sample Not Received							
SIX0444481	Sample Not Received							



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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
SIX0444482	Sample Not Received							
Std Nominal	115		16.0	5190				
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444483	Sample Not Received							
SIX0444484	Sample Not Received							
SIX0444485	Sample Not Received							
SIX0444486	Sample Not Received							
SIX0444487	Sample Not Received							
SIX0444488	Sample Not Received							
SIX0444489	Sample Not Received							
SIX0444490	Sample Not Received							
Std Nominal	20		10.1	14		20.3	44.5	5.20
Determined	25	<0.5	9.8	16	52	19.9	43.3	4.95
SIX0444491	Sample Not Received							
SIX0444492	Sample Not Received							
SIX0444493	Sample Not Received							
SIX0444494	Sample Not Received							
SIX0444494 Rpt	Sample Not Received							
SIX0444495	Sample Not Received							
SIX0444496	Sample Not Received							
SIX0444497	Sample Not Received							
SIX0444497Q	Sample Not Received							
SIX0444498	Sample Not Received							
SIX0444499	Sample Not Received							
Std Nominal	105	85.0	19.5	68		144	154	13.1
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444500	Sample Not Received							
SIX0444501	Sample Not Received							
SIX0444502	Sample Not Received							
SIX0444503	Sample Not Received							
SIX0444504	Sample Not Received							
SIX0444505	Sample Not Received							
SIX0444506	Sample Not Received							
SIX0444506 Rpt	Sample Not Received							
SIX0444507	Sample Not Received							



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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
SIX0444508	Sample Not Received							
SIX0444509	Sample Not Received							
Std Nominal	120	3.5	24.6	88	76	33.0	68.0	7.90
Determined	115	4.5	24.0	92	78	34.2	69.4	8.00



Reference: aa078099.c Order Number: OGDD002 Page 43 of 56

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	0.15	<0.02	<0.05
SIX0444939	50.2	10.2	2.30	10.8	1.64	10.4	2.24	6.85
SIX0444940	50.2	9.75	2.25	9.4	1.24	7.05	1.36	3.90
SIX0444941	42.3	9.95	1.35	11.2	1.84	11.1	2.20	6.25
SIX0444942	43.9	12.1	2.05	15.2	2.68	17.0	3.42	9.85
SIX0444943	84.0	22.1	1.95	27.0	4.42	27.2	5.30	14.5
Std Nominal			0.85	4.4		3.45	0.68	1.95
Determined	26.5	5.20	0.90	4.4	0.62	3.60	0.68	1.95
SIX0444944	91.7	19.3	2.15	20.6	2.74	14.9	2.64	6.65
SIX0444945	62.7	13.0	2.40	13.2	1.82	10.0	1.98	5.50
SIX0444945Q	40.0	6.40	1.40	5.6	0.72	3.45	0.52	1.30
SIX0444946	41.2	8.80	2.25	8.8	1.34	7.90	1.58	4.65
SIX0444947	55.2	12.0	2.35	12.4	1.84	10.2	1.90	5.55
SIX0444947 Rpt	56.9	12.1	2.30	12.6	1.80	9.90	1.88	5.50
SIX0444948	58.7	12.6	1.80	13.6	1.86	10.3	1.92	5.05
SIX0444949	48.8	11.6	1.50	13.2	2.06	12.3	2.32	6.00
SIX0444950	68.5	16.3	1.75	19.2	3.00	18.3	3.56	9.90
SIX0444951	55.1	12.5	1.85	13.8	2.14	12.8	2.54	7.15
SIX0444952	80.3	19.1	1.95	21.6	3.34	19.8	3.88	10.2
SIX0444953	39.1	8.35	1.85	8.4	1.20	6.60	1.24	3.25
SIX0444954	64.5	13.6	2.50	14.4	2.12	13.3	2.94	9.55
SIX0444955	49.5	9.90	2.70	9.8	1.44	9.60	2.30	7.85
Std Nominal								
Determined	11.9	3.10	1.25	3.4	0.54	3.40	0.70	2.00
SIX0444956	86.4	18.9	2.80	21.2	2.94	17.9	3.74	11.7
SIX0444957	40.0	8.25	3.15	9.2	1.76	14.4	3.98	16.1
SIX0444958	37.3	7.40	2.40	8.6	1.64	14.7	4.38	16.9
SIX0444959	44.1	9.05	2.30	10.8	2.04	18.2	5.24	19.9
SIX0444960	43.3	10.4	2.20	11.8	1.94	12.8	2.76	8.45
SIX0444961	37.4	8.50	1.90	9.6	1.48	8.90	1.82	5.30
SIX0444962	44.1	9.25	1.95	9.8	1.40	8.15	1.64	4.75
SIX0444963	44.1	10.0	1.80	11.2	1.72	10.3	2.06	5.80
SIX0444964	33.8	8.00	1.65	9.6	1.48	8.65	1.72	4.75
SIX0444965	50.7	11.8	1.70	14.0	2.16	13.2	2.62	7.45
SIX0444966	41.6	10.5	1.65	14.0	2.50	16.2	3.44	10.0
SIX0444967	40.4	10.1	1.55	12.6	2.06	12.9	2.72	7.85
SIX0444967 Rpt	42.4	10.6	1.60	13.2	2.08	12.9	2.82	7.85
SIX0444968	58.7	12.5	1.90	13.0	1.80	10.0	1.88	5.00
SIX0444969	49.5	10.6	1.55	11.0	1.60	8.90	1.70	4.60
SIX0444970	56.4	11.9	1.95	12.6	1.80	10.2	1.98	5.40
Std Nominal	19.4	3.80		3.2	0.42		0.42	1.20



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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
Determined	19.5	3.90	1.00	3.0	0.42	2.25	0.40	1.20
SIX0444970Q	36.3	7.45	1.45	5.6	0.76	3.55	0.52	1.20
SIX0444971	59.9	13.0	1.95	14.6	2.08	12.0	2.34	6.35
SIX0444972	51.3	10.0	2.15	9.6	1.20	5.90	1.00	2.45
SIX0444973	57.1	12.1	1.90	12.6	1.86	10.9	2.12	5.70
SIX0444974	51.6	11.7	1.85	14.0	2.16	13.4	2.70	7.75
SIX0444975	31.8	9.60	1.50	13.8	2.48	15.1	2.82	7.50
SIX0444976	28.7	5.75	1.60	5.6	0.80	4.70	0.92	2.80
SIX0444977	18.7	3.60	1.35	3.2	0.54	3.20	0.74	2.25
SIX0444978	31.5	6.00	1.75	5.6	0.72	4.00	0.80	2.40
SIX0444979	24.6	4.80	1.55	4.6	0.72	4.55	1.02	3.30
SIX0444980	55.1	11.5	1.90	12.2	1.68	9.60	1.82	4.85
SIX0444981	49.9	11.3	1.65	12.8	1.98	12.0	2.34	6.65
SIX0444982	59.0	13.0	1.80	15.2	2.28	13.4	2.56	6.85
SIX0444983	43.3	11.3	1.65	15.2	2.54	15.9	3.06	8.10
SIX0444984	45.8	10.7	1.70	12.4	1.96	11.6	2.18	5.95
SIX0444985	36.5	8.05	1.95	8.8	1.26	7.35	1.42	3.90
SIX0444986	52.1	11.8	1.95	12.6	1.88	10.5	1.98	5.25
BLANK 2	<0.05	0.10	<0.05	<0.2	<0.02	0.10	<0.02	<0.05
SIX0444987	89.2	18.8	2.65	19.4	2.50	13.3	2.42	6.45
Std Nominal	42.7	6.80	2.15	5.8	0.80	4.05	0.76	1.95
Determined	43.9	7.10	2.20	6.0	0.80	4.25	0.78	2.05
SIX0444988	36.9	6.90	2.60	7.2	1.18	9.35	2.52	9.25
SIX0444989	84.7	17.6	2.30	18.0	2.40	13.5	2.66	7.85
SIX0444990	51.7	11.8	1.65	13.0	1.82	10.1	1.86	4.95
SIX0444991	59.6	11.7	2.35	11.8	1.48	7.80	1.52	4.60
SIX0444992	50.6	11.1	2.30	12.6	1.94	12.8	2.72	8.30
SIX0444993	35.1	7.90	1.70	8.6	1.32	7.80	1.56	4.55
SIX0444994	49.8	11.1	2.15	11.8	1.92	11.7	2.38	6.90
SIX0444995	48.6	10.3	2.15	11.8	1.80	11.4	2.40	7.30
SIX0444995Q	24.6	5.75	2.20	5.4	0.72	3.95	0.76	2.15
SIX0444996	16.5	4.30	1.45	5.6	0.96	6.35	1.34	4.05
SIX0444997	38.0	10.1	1.60	12.4	1.98	12.2	2.36	6.50
SIX0444998	35.0	7.95	1.85	9.0	1.52	8.90	1.82	5.35
SIX0444998 Rpt	35.3	7.90	1.90	9.0	1.48	8.80	1.76	5.30
SIX0444999	45.0	9.20	2.00	9.4	1.30	7.15	1.34	3.70
SIX0445000	47.7	9.60	2.15	8.4	1.08	5.20	0.86	2.05
Std Nominal	30.6	5.95	1.40	5.4	0.80	4.85	0.92	2.60
Determined	30.5	6.05	1.40	5.4	0.80	4.80	0.94	2.65
SIX0443525	44.7	8.80	1.95	8.4	1.00	5.05	0.86	2.10
SIX0443526	80.7	16.7	2.35	16.0	2.04	10.9	1.70	4.15



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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
SIX0443527	27.6	6.15	1.35	7.0	1.00	5.95	1.14	3.35
SIX0443528	64.7	12.1	1.95	11.2	1.28	6.35	1.08	2.70
SIX0443529	45.6	10.0	1.85	11.2	1.60	9.30	1.78	4.95
SIX0443530	67.5	14.8	2.20	16.4	2.30	13.1	2.42	6.35
SIX0443531	66.6	14.2	2.00	15.2	2.06	11.4	2.16	5.55
SIX0443532	47.5	10.7	1.60	12.6	1.94	11.9	2.28	6.30
SIX0443532 Rpt	47.5	10.7	1.60	12.8	1.96	12.0	2.30	6.30
SIX0443533	41.1	13.3	1.45	20.0	3.82	25.7	5.16	14.3
SIX0443534	18.6	5.65	1.30	8.0	1.40	9.25	1.94	5.70
SIX0443535	31.4	8.35	1.40	10.2	1.74	11.0	2.18	6.15
SIX0443536	34.2	8.65	1.65	10.2	1.72	10.9	2.22	6.35
SIX0443537	49.6	10.3	2.35	10.4	1.48	8.85	1.84	5.65
SIX0443538	49.5	9.45	2.65	9.8	1.38	8.85	1.98	6.55
SIX0443539	37.4	9.25	1.70	11.2	1.76	10.9	2.16	6.20
SIX0443540	42.9	8.40	2.30	8.0	1.12	6.70	1.46	4.60
Std Nominal			0.85	4.4		3.45	0.68	1.95
Determined	25.0	4.90	0.85	4.2	0.60	3.50	0.68	1.95
SIX0443541	31.8	7.95	1.55	9.8	1.62	10.6	2.18	6.45
SIX0443542	23.1	5.85	1.45	7.2	1.18	7.35	1.48	4.25
SIX0443543	10.9	3.40	1.20	4.6	0.82	5.35	1.08	3.15
SIX0443544	44.4	8.75	2.05	8.4	1.18	6.60	1.28	3.75
SIX0443545	43.1	8.80	1.85	8.8	1.22	7.05	1.40	4.10
SIX0443545Q	27.7	5.85	1.95	5.4	0.76	4.25	0.76	1.95
SIX0443546	51.7	10.9	2.00	11.4	1.64	9.50	1.86	5.30
SIX0443547	52.9	10.6	2.05	10.6	1.48	8.00	1.48	3.80
SIX0443548	46.8	9.35	1.95	9.2	1.26	6.80	1.28	3.45
SIX0443549	48.7	11.2	1.60	12.4	1.96	11.6	2.18	6.05
Std Nominal								
Determined	11.3	3.00	1.15	3.6	0.54	3.35	0.66	1.90
SIX0443550	41.9	9.50	1.80	11.0	1.78	12.1	2.68	8.45
SIX0443551	50.8	10.6	2.05	10.4	1.64	10.1	2.18	6.90
SIX0443551 Rpt	49.2	10.6	2.00	10.8	1.68	10.4	2.20	7.00
SIX0443552	51.3	10.2	2.10	11.6	1.74	12.1	2.82	9.45
SIX0443553	49.9	10.5	1.85	11.6	1.78	12.3	2.82	9.10
SIX0443554	53.8	11.4	1.95	12.2	1.86	11.7	2.56	7.85
SIX0443555	50.0	10.2	1.95	11.0	1.66	11.4	2.58	8.40
SIX0443556	29.9	6.10	2.25	6.4	1.06	7.45	1.74	6.15
SIX0443557	41.4	7.65	2.65	7.8	1.06	6.70	1.52	4.80
SIX0443558	39.8	7.60	2.60	7.8	1.06	6.10	1.26	3.65
BLANK 3	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0443559	49.7	10.1	2.00	9.8	1.38	7.35	1.40	4.00



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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
SIX0443560	32.0	8.70	1.65	9.8	1.70	10.0	1.96	5.80
SIX0443560 Rpt	33.4	8.90	1.65	10.0	1.72	10.2	1.98	5.80
SIX0443561	37.4	9.35	1.60	11.0	1.72	10.4	2.00	5.70
SIX0443562	16.4	5.00	1.30	6.4	1.12	7.15	1.44	4.15
SIX0443563	71.0	15.3	2.25	16.2	2.26	12.8	2.40	6.65
SIX0443564	36.2	9.95	1.80	12.0	2.20	13.8	2.70	7.65
SIX0443565	34.1	7.90	1.80	8.8	1.40	8.20	1.56	4.55
SIX0443566	38.4	7.65	2.65	7.4	1.12	6.80	1.48	4.75
SIX0443567	34.5	7.10	2.45	7.8	1.06	6.20	1.26	3.85
SIX0443568	70.9	15.1	2.55	15.2	2.10	11.2	2.16	5.95
Std Nominal	19.4	3.80		3.2	0.42		0.42	1.20
Determined	19.8	3.95	1.10	3.2	0.42	2.40	0.42	1.20
SIX0443569	39.0	9.50	2.15	11.0	1.74	10.6	2.20	6.60
SIX0443570	36.7	8.15	1.75	9.2	1.42	8.65	1.80	5.40
SIX0443571	65.4	13.5	2.15	13.8	2.00	11.9	2.58	7.55
SIX0443571Q	37.9	7.30	1.40	6.0	0.78	3.80	0.58	1.40
SIX0443572	49.9	10.7	2.10	12.0	1.72	10.6	2.22	6.65
SIX0443573	57.3	12.7	2.15	13.8	2.00	11.3	2.20	6.25
SIX0443574	72.4	17.8	2.10	21.2	3.46	21.3	4.28	12.1
SIX0443575	60.9	12.7	2.10	13.0	1.76	9.60	1.88	5.25
SIX0443576	59.8	13.2	2.05	14.4	2.28	15.3	3.64	12.2
SIX0443577	71.4	15.2	2.35	15.8	2.28	12.9	2.62	7.90
SIX0443578	68.2	14.2	2.35	14.4	1.94	10.1	1.88	5.25
SIX0443579	52.5	11.6	2.10	12.8	1.94	11.6	2.32	6.60
SIX0443580	38.2	8.30	2.00	8.8	1.26	6.80	1.30	3.50
SIX0443581	17.7	5.05	1.35	6.4	1.20	7.70	1.64	4.80
SIX0443582	29.5	7.70	1.50	9.2	1.60	10.1	2.06	5.95
SIX0443583	30.1	7.90	1.60	9.8	1.64	10.2	2.08	5.95
SIX0443584	24.0	6.35	1.40	7.8	1.30	7.80	1.62	4.75
SIX0443585	81.7	16.8	1.85	17.6	2.32	12.6	2.34	6.15
Std Nominal	42.7	6.80	2.15	5.8	0.80	4.05	0.76	1.95
Determined	43.6	6.65	2.10	5.6	0.78	4.20	0.76	2.05
SIX0443586	136	29.3	3.40	30.4	4.26	23.6	4.60	12.8
SIX0443587	113	27.2	4.40	31.4	4.86	31.0	7.04	22.4
SIX0443588	95.1	21.1	3.05	22.6	3.10	17.2	3.34	9.45
SIX0443589	44.4	11.2	1.90	14.4	2.32	14.8	3.06	8.80
SIX0443590	87.6	20.1	2.60	22.6	3.36	19.8	4.10	12.0
SIX0443591	20.7	5.65	1.50	7.0	1.18	7.20	1.54	4.45
SIX0443592	50.2	11.4	2.05	12.2	1.70	9.65	1.88	5.25
SIX0443593	58.4	16.8	2.10	20.6	3.56	21.2	4.12	11.7
SIX0443594	80.8	20.5	3.55	25.8	4.16	27.1	6.02	19.0



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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
SIX0443595	56.7	11.6	2.35	11.6	1.56	7.90	1.48	3.85
Std Nominal	30.6	5.95	1.40	5.4	0.80	4.85	0.92	2.60
Determined	30.0	5.85	1.35	5.2	0.76	4.75	0.88	2.50
SIX0443596	53.0	10.8	2.50	11.0	1.44	7.65	1.48	4.10
SIX0443597	64.0	14.8	2.40	16.6	2.54	14.9	2.96	8.40
SIX0443597Q	37.4	7.30	1.40	5.6	0.80	3.85	0.52	1.30
SIX0443598	31.5	6.30	2.45	6.4	0.96	5.95	1.30	4.00
SIX0443599	44.9	9.95	2.35	11.6	1.76	10.7	2.22	6.60
SIX0443600	37.1	9.50	2.10	10.6	1.76	10.7	2.20	6.50
SIX0444456	66.4	15.1	2.20	13.8	1.98	10.7	1.98	5.75
SIX0444457	39.4	8.70	2.50	9.2	1.30	8.00	1.46	4.20
SIX0444458	28.8	7.55	1.40	9.8	1.60	10.3	2.18	6.65
SIX0444459	24.2	5.15	1.35	5.6	0.80	4.70	0.96	2.85
SIX0444460	35.4	6.45	2.35	6.4	0.86	4.80	1.04	3.20
SIX0444461	48.4	9.75	2.40	9.8	1.40	8.40	1.74	5.35
SIX0444462	57.6	12.6	1.90	14.4	2.20	13.3	2.78	8.20
BLANK 4	<0.05	<0.05	<0.05	<0.2	<0.02	0.05	<0.02	<0.05
SIX0444463	30.5	7.10	1.60	7.8	1.30	8.10	1.64	4.75
SIX0444464	59.0	12.2	2.10	12.0	1.58	8.45	1.56	4.40
SIX0444465	42.5	10.5	1.50	12.2	2.08	12.8	2.62	7.45
SIX0444466	39.3	7.55	1.90	7.2	1.00	5.55	1.16	3.50
SIX0444467	41.0	8.00	2.05	8.4	1.10	6.50	1.36	4.15
Std Nominal			0.85	4.4		3.45	0.68	1.95
Determined	24.5	4.95	0.85	4.2	0.60	3.40	0.66	1.90
SIX0444468	41.4	8.60	2.10	8.0	1.26	6.40	1.20	3.25
SIX0444469	43.9	8.80	2.15	8.4	1.04	5.10	0.88	2.10
SIX0444470	65.3	12.6	2.95	13.4	1.94	11.7	2.36	6.85
SIX0444470 Rpt	65.1	13.1	2.90	13.4	1.90	11.3	2.32	6.70
SIX0444471	37.0	8.85	1.80	9.8	1.56	9.35	1.92	5.35
SIX0444472	60.1	12.6	1.55	12.2	1.64	8.65	1.60	4.15
SIX0444472 Rpt	59.0	12.2	1.55	12.0	1.62	8.40	1.64	4.00
SIX0444473	51.5	11.2	1.80	11.6	1.64	9.25	1.76	4.85
SIX0444474	31.0	7.75	1.50	8.8	1.50	9.30	1.92	5.55
SIX0444475	71.3	14.8	2.10	13.8	1.80	9.15	1.62	4.15
SIX0444476	32.6	7.75	1.45	8.8	1.46	9.00	1.88	5.40
SIX0444477	29.2	7.00	1.40	8.8	1.32	7.80	1.58	4.70
SIX0444477Q	34.4	6.80	1.45	5.8	0.76	3.60	0.54	1.35
SIX0444478	47.2	10.7	1.60	12.0	1.82	10.7	2.16	6.05
SIX0444479	65.7	13.5	1.95	12.8	1.62	8.20	1.42	3.55
SIX0444480	Sample Not Received							
SIX0444481	Sample Not Received							



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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
SIX0444482	Sample Not Received							
Std Nominal								
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444483	Sample Not Received							
SIX0444484	Sample Not Received							
SIX0444485	Sample Not Received							
SIX0444486	Sample Not Received							
SIX0444487	Sample Not Received							
SIX0444488	Sample Not Received							
SIX0444489	Sample Not Received							
SIX0444490	Sample Not Received							
Std Nominal	19.4	3.80		3.2	0.42		0.42	1.20
Determined	18.5	3.70	1.05	3.0	0.42	2.30	0.42	1.15
SIX0444491	Sample Not Received							
SIX0444492	Sample Not Received							
SIX0444493	Sample Not Received							
SIX0444494	Sample Not Received							
SIX0444494 Rpt	Sample Not Received							
SIX0444495	Sample Not Received							
SIX0444496	Sample Not Received							
SIX0444497	Sample Not Received							
SIX0444497Q	Sample Not Received							
SIX0444498	Sample Not Received							
SIX0444499	Sample Not Received							
Std Nominal	42.7	6.80	2.15	5.8	0.80	4.05	0.76	1.95
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444500	Sample Not Received							
SIX0444501	Sample Not Received							
SIX0444502	Sample Not Received							
SIX0444503	Sample Not Received							
SIX0444504	Sample Not Received							
SIX0444505	Sample Not Received							
SIX0444506	Sample Not Received							
SIX0444506 Rpt	Sample Not Received							
SIX0444507	Sample Not Received							



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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
SIX0444508	Sample Not Received							
SIX0444509	Sample Not Received							
Std Nominal	30.6	5.95	1.40	5.4	0.80	4.85	0.92	2.60
Determined	29.7	5.95	1.40	5.2	0.80	4.65	0.94	2.65



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METHOD CODE	MA102	MA102	MA102	FA001	PR002	PR403
Determinants	Tm	Yb	Lu	Au*	WetWt	Pass75um
Units	ppm	ppm	ppm	ppm	grams	%
Detection Limit	0.05	0.05	0.02	0.01	1	0.01
BLANK 1	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444939	1.00	6.65	1.08	<0.01	5140	NR
SIX0444940	0.55	3.85	0.58	<0.01	4946	NR
SIX0444941	0.85	5.65	0.80	<0.01	3642	98.2
SIX0444942	1.35	8.90	1.26	<0.01	2452	NR
SIX0444943	1.85	11.9	1.60	<0.01	3871	NR
Std Nominal	0.30	1.90	0.28	2.00		
Determined	0.30	1.95	0.28	1.95	NR	NR
SIX0444944	0.80	5.05	0.70	<0.01	3186	NR
SIX0444945	0.70	4.80	0.72	<0.01	5157	NR
SIX0444945Q	0.15	0.85	0.16	0.66	112	NR
SIX0444946	0.65	4.45	0.66	<0.01	5255	NR
SIX0444947	0.70	4.80	0.72	<0.01	5211	NR
SIX0444947 Rpt	0.70	4.85	0.74	<0.01	NR	NR
SIX0444948	0.60	3.95	0.58	<0.01	5555	NR
SIX0444949	0.75	4.90	0.64	<0.01	5464	NR
SIX0444950	1.35	9.00	1.22	<0.01	5428	NR
SIX0444951	0.95	6.35	0.94	<0.01	5211	NR
SIX0444952	1.25	8.05	1.02	<0.01	5295	NR
SIX0444953	0.45	3.20	0.44	<0.01	5399	NR
SIX0444954	1.45	10.7	1.64	<0.01	5296	NR
SIX0444955	1.25	9.35	1.48	<0.01	5143	NR
Std Nominal						
Determined	0.25	1.90	0.28	1.02	NR	NR
SIX0444956	1.75	12.6	1.88	<0.01	5025	NR
SIX0444957	2.60	20.4	3.12	<0.01	5247	NR
SIX0444958	2.85	22.3	3.50	<0.01	5131	NR
SIX0444959	3.35	26.1	4.14	<0.01	4991	NR
SIX0444960	1.25	8.85	1.30	<0.01	5289	97.9
SIX0444961	0.75	5.10	0.76	<0.01	5465	NR
SIX0444962	0.70	4.70	0.70	<0.01	5399	NR
SIX0444963	0.80	5.25	0.78	<0.01	5046	NR
SIX0444964	0.65	4.35	0.64	<0.01	3622	NR
SIX0444965	1.00	6.55	0.96	<0.01	5213	NR
SIX0444966	1.35	8.95	1.28	<0.01	5596	NR
SIX0444967	1.05	7.25	1.02	<0.01	5652	NR
SIX0444967 Rpt	1.10	7.50	1.06	<0.01	NR	NR
SIX0444968	0.65	4.20	0.62	<0.01	5485	NR
SIX0444969	0.60	4.05	0.62	<0.01	5478	NR
SIX0444970	0.70	4.40	0.64	<0.01	5764	NR
Std Nominal	0.15	1.05	0.16	0.31		



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METHOD CODE	MA102	MA102	MA102	FA001	PR002	PR403
Determinants	Tm	Yb	Lu	Au*	WetWt	Pass75um
Units	ppm	ppm	ppm	ppm	grams	%
Detection Limit	0.05	0.05	0.02	0.01	1	0.01
Determined	0.15	1.05	0.16	0.32	NR	NR
SIX0444970Q	0.15	0.85	0.12	0.85	97	NR
SIX0444971	0.80	5.20	0.76	<0.01	5391	NR
SIX0444972	0.30	2.00	0.30	<0.01	5089	NR
SIX0444973	0.75	5.20	0.74	<0.01	5297	NR
SIX0444974	1.00	6.45	0.92	<0.01	5621	NR
SIX0444975	0.95	6.30	0.90	<0.01	5038	NR
SIX0444976	0.40	3.20	0.56	<0.01	5083	NR
SIX0444977	0.35	3.00	0.50	<0.01	5229	NR
SIX0444978	0.35	2.85	0.48	<0.01	5158	NR
SIX0444979	0.50	4.15	0.68	<0.01	5470	98.5
SIX0444980	0.65	4.30	0.64	0.01	5597	NR
SIX0444981	0.85	5.95	0.86	0.01	5576	NR
SIX0444982	0.85	5.70	0.80	<0.01	5478	NR
SIX0444983	1.00	6.45	0.90	<0.01	5487	NR
SIX0444984	0.75	5.00	0.70	<0.01	5489	NR
SIX0444985	0.50	3.60	0.54	0.01	5594	NR
SIX0444986	0.65	4.50	0.64	<0.01	5444	NR
BLANK 2	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444987	0.85	5.75	0.84	<0.01	5716	NR
Std Nominal	0.25	1.70	0.28	2.00		
Determined	0.25	1.80	0.28	1.97	NR	NR
SIX0444988	1.55	12.1	1.92	<0.01	5351	NR
SIX0444989	1.10	7.85	1.18	<0.01	5558	NR
SIX0444990	0.65	4.30	0.64	<0.01	5814	NR
SIX0444991	0.65	4.75	0.76	<0.01	5441	NR
SIX0444992	1.15	8.10	1.20	<0.01	5483	NR
SIX0444993	0.60	4.40	0.68	<0.01	5589	NR
SIX0444994	0.95	6.40	0.96	<0.01	5154	NR
SIX0444995	1.05	7.25	1.06	<0.01	5403	NR
SIX0444995Q	0.30	2.15	0.32	0.34	106	NR
SIX0444996	0.55	4.10	0.64	<0.01	6069	NR
SIX0444997	0.85	5.65	0.80	<0.01	5812	NR
SIX0444998	0.70	4.85	0.74	<0.01	4925	NR
SIX0444998 Rpt	0.70	4.65	0.72	<0.01	NR	NR
SIX0444999	0.45	3.25	0.48	<0.01	2575	99.8
SIX0445000	0.25	1.55	0.26	<0.01	5156	NR
Std Nominal	0.35	2.50	0.38			
Determined	0.35	2.40	0.34	1.02	NR	NR
SIX0443525	0.25	1.70	0.28	0.01	5241	NR
SIX0443526	0.55	2.95	0.44	<0.01	4822	NR



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METHOD CODE	MA102	MA102	MA102	FA001	PR002	PR403
Determinants	Tm	Yb	Lu	Au*	WetWt	Pass75um
Units	ppm	ppm	ppm	ppm	grams	%
Detection Limit	0.05	0.05	0.02	0.01	1	0.01
SIX0443527	0.45	3.00	0.44	<0.01	4734	NR
SIX0443528	0.30	2.10	0.34	<0.01	5131	NR
SIX0443529	0.65	4.25	0.62	<0.01	5622	NR
SIX0443530	0.80	4.85	0.68	<0.01	5562	NR
SIX0443531	0.70	4.40	0.64	<0.01	5365	NR
SIX0443532	0.80	5.30	0.74	<0.01	8400	NR
SIX0443532 Rpt	0.80	5.35	0.76	<0.01	NR	NR
SIX0443533	1.85	11.7	1.56	<0.01	2998	NR
SIX0443534	0.75	5.30	0.80	<0.01	5636	NR
SIX0443535	0.80	5.35	0.76	<0.01	5847	NR
SIX0443536	0.90	5.75	0.80	0.01	5619	NR
SIX0443537	0.85	6.10	0.94	<0.01	4192	NR
SIX0443538	0.95	7.15	1.12	<0.01	5369	NR
SIX0443539	0.85	5.60	0.82	<0.01	5277	NR
SIX0443540	0.70	5.25	0.80	<0.01	5389	NR
Std Nominal	0.30	1.90	0.28	0.31		
Determined	0.25	1.85	0.28	0.30	NR	NR
SIX0443541	0.85	5.75	0.82	<0.01	5985	NR
SIX0443542	0.60	3.95	0.58	<0.01	6003	NR
SIX0443543	0.45	2.80	0.42	<0.01	5217	97.7
SIX0443544	0.50	3.80	0.60	<0.01	5237	NR
SIX0443545	0.55	4.20	0.64	<0.01	4892	NR
SIX0443545Q	0.25	1.50	0.22	<0.01	85	NR
SIX0443546	0.70	4.70	0.70	<0.01	2914	NR
SIX0443547	0.50	3.20	0.46	0.01	3930	NR
SIX0443548	0.45	2.95	0.44	<0.01	5338	NR
SIX0443549	0.75	4.90	0.70	<0.01	5550	NR
Std Nominal				2.00		
Determined	0.25	1.80	0.28	1.94	NR	NR
SIX0443550	1.25	8.70	1.32	<0.01	5471	NR
SIX0443551	1.00	7.00	1.02	<0.01	4878	NR
SIX0443551 Rpt	1.10	6.95	1.02	<0.01	NR	NR
SIX0443552	1.40	10.2	1.52	<0.01	4884	NR
SIX0443553	1.30	9.30	1.38	<0.01	5352	NR
SIX0443554	1.10	7.25	1.08	0.01	5373	NR
SIX0443555	1.20	8.60	1.32	0.01	4102	NR
SIX0443556	1.00	7.85	1.24	<0.01	5389	NR
SIX0443557	0.70	4.90	0.76	<0.01	4818	NR
SIX0443558	0.50	3.55	0.56	<0.01	5424	NR
BLANK 3	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0443559	0.55	4.00	0.62	<0.01	5706	NR



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METHOD CODE	MA102	MA102	MA102	FA001	PR002	PR403
Determinants	Tm	Yb	Lu	Au*	WetWt	Pass75um
Units	ppm	ppm	ppm	ppm	grams	%
Detection Limit	0.05	0.05	0.02	0.01	1	0.01
SIX0443560	0.75	4.90	0.72	<0.01	5675	NR
SIX0443560 Rpt	0.70	4.85	0.70	<0.01	NR	NR
SIX0443561	0.75	4.85	0.68	<0.01	5419	NR
SIX0443562	0.55	3.70	0.54	<0.01	5643	96.2
SIX0443563	0.85	5.70	0.80	<0.01	5226	NR
SIX0443564	1.00	6.85	0.98	<0.01	5556	NR
SIX0443565	0.60	4.10	0.60	0.01	5082	NR
SIX0443566	0.70	5.10	0.80	<0.01	4779	NR
SIX0443567	0.55	3.75	0.58	<0.01	4867	NR
SIX0443568	0.80	5.50	0.80	<0.01	4729	NR
Std Nominal	0.15	1.05	0.16			
Determined	0.15	1.05	0.16	0.99	NR	NR
SIX0443569	0.95	6.40	0.96	0.01	4875	NR
SIX0443570	0.75	5.15	0.76	<0.01	4539	NR
SIX0443571	1.10	7.65	1.16	<0.01	3353	NR
SIX0443571Q	0.15	1.05	0.14	0.65	95	NR
SIX0443572	0.95	6.65	0.98	<0.01	6442	NR
SIX0443573	0.80	5.35	0.80	0.01	4432	NR
SIX0443574	1.60	10.6	1.50	<0.01	3715	NR
SIX0443575	0.70	5.05	0.74	<0.01	4840	NR
SIX0443576	1.90	14.3	2.24	<0.01	5043	NR
SIX0443577	1.10	7.90	1.18	<0.01	4733	NR
SIX0443578	0.70	4.85	0.72	0.01	5416	NR
SIX0443579	0.90	6.00	0.86	<0.01	5369	NR
SIX0443580	0.45	3.25	0.48	<0.01	4996	NR
SIX0443581	0.65	4.40	0.64	<0.01	5685	98.6
SIX0443582	0.80	5.55	0.80	<0.01	4935	NR
SIX0443583	0.80	5.65	0.80	<0.01	5697	NR
SIX0443584	0.65	4.30	0.64	<0.01	5252	NR
SIX0443585	0.80	5.20	0.74	<0.01	5831	NR
Std Nominal	0.25	1.70	0.28	0.31		
Determined	0.25	1.75	0.28	0.30	NR	NR
SIX0443586	1.70	11.4	1.68	<0.01	5444	NR
SIX0443587	3.25	23.4	3.42	<0.01	5074	NR
SIX0443588	1.25	8.40	1.22	<0.01	4773	NR
SIX0443589	1.20	8.05	1.16	<0.01	5746	NR
SIX0443590	1.70	11.5	1.68	<0.01	5668	NR
SIX0443591	0.60	4.05	0.62	<0.01	5789	NR
SIX0443592	0.70	4.80	0.70	<0.01	5668	NR
SIX0443593	1.60	10.8	1.44	<0.01	5689	NR
SIX0443594	2.70	18.8	2.72	<0.01	5232	NR



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METHOD CODE	MA102	MA102	MA102	FA001	PR002	PR403
Determinants	Tm	Yb	Lu	Au*	WetWt	Pass75um
Units	ppm	ppm	ppm	ppm	grams	%
Detection Limit	0.05	0.05	0.02	0.01	1	0.01
SIX0443595	0.50	3.70	0.58	<0.01	5062	NR
Std Nominal	0.35	2.50	0.38	2.00		
Determined	0.35	2.45	0.34	1.95	NR	NR
SIX0443596	0.55	3.85	0.60	<0.01	3692	NR
SIX0443597	1.10	7.55	1.10	<0.01	6719	NR
SIX0443597Q	0.15	1.05	0.14	0.66	95	NR
SIX0443598	0.60	4.30	0.66	<0.01	2824	NR
SIX0443599	0.90	6.35	0.96	<0.01	5708	NR
SIX0443600	0.90	6.10	0.88	<0.01	5837	NR
SIX0444456	0.80	5.75	0.82	<0.01	5326	99.2
SIX0444457	0.55	4.00	0.58	<0.01	5198	NR
SIX0444458	0.95	6.50	0.96	<0.01	5826	NR
SIX0444459	0.40	2.80	0.44	<0.01	5653	NR
SIX0444460	0.45	3.35	0.52	0.01	5428	NR
SIX0444461	0.75	5.30	0.80	<0.01	4888	NR
SIX0444462	1.10	7.75	1.12	<0.01	5563	NR
BLANK 4	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444463	0.65	4.45	0.66	<0.01	5655	NR
SIX0444464	0.60	4.10	0.62	<0.01	5743	NR
SIX0444465	1.00	6.65	0.94	<0.01	5676	NR
SIX0444466	0.50	3.80	0.64	<0.01	5269	NR
SIX0444467	0.60	4.20	0.64	<0.01	4789	NR
Std Nominal	0.30	1.90	0.28			
Determined	0.25	1.80	0.28	0.99	NR	NR
SIX0444468	0.45	2.80	0.44	<0.01	5373	NR
SIX0444469	0.25	1.75	0.26	<0.01	5241	NR
SIX0444470	0.90	6.30	0.90	<0.01	4779	NR
SIX0444470 Rpt	1.00	6.15	0.88	<0.01	NR	NR
SIX0444471	0.70	4.80	0.68	<0.01	5186	NR
SIX0444472	0.50	3.60	0.54	<0.01	5398	NR
SIX0444472 Rpt	0.50	3.60	0.54	<0.01	NR	NR
SIX0444473	0.65	4.40	0.64	<0.01	4752	NR
SIX0444474	0.75	5.20	0.76	<0.01	5922	NR
SIX0444475	0.50	3.30	0.46	<0.01	6284	NR
SIX0444476	0.70	5.00	0.70	<0.01	4198	98.4
SIX0444477	0.60	4.20	0.62	<0.01	5783	NR
SIX0444477Q	0.15	0.90	0.16	0.65	96	NR
SIX0444478	0.80	5.30	0.76	<0.01	4758	NR
SIX0444479	0.45	3.00	0.44	<0.01	7833	NR
SIX0444480	Sample Not Received					
SIX0444481	Sample Not Received					



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METHOD CODE	MA102	MA102	MA102	FA001	PR002	PR403
Determinants	Tm	Yb	Lu	Au*	WetWt	Pass75um
Units	ppm	ppm	ppm	ppm	grams	%
Detection Limit	0.05	0.05	0.02	0.01	1	0.01
SIX0444482	Sample Not Received					
Std Nominal				0.31		
Determined	NR	NR	NR	0.31	NR	NR
SIX0444483	Sample Not Received					
SIX0444484	Sample Not Received					
SIX0444485	Sample Not Received					
SIX0444486	Sample Not Received					
SIX0444487	Sample Not Received					
SIX0444488	Sample Not Received					
SIX0444489	Sample Not Received					
SIX0444490	Sample Not Received					
Std Nominal	0.15	1.05	0.16	2.00		
Determined	0.15	1.10	0.16	1.93	NR	NR
SIX0444491	Sample Not Received					
SIX0444492	Sample Not Received					
SIX0444493	Sample Not Received					
SIX0444494	Sample Not Received					
SIX0444494 Rpt	Sample Not Received					
SIX0444495	Sample Not Received					
SIX0444496	Sample Not Received					
SIX0444497	Sample Not Received					
SIX0444497Q	Sample Not Received					
SIX0444498	Sample Not Received					
SIX0444499	Sample Not Received					
Std Nominal	0.25	1.70	0.28			
Determined	NR	NR	NR	1.04	NR	NR
SIX0444500	Sample Not Received					
SIX0444501	Sample Not Received					
SIX0444502	Sample Not Received					
SIX0444503	Sample Not Received					
SIX0444504	Sample Not Received					
SIX0444505	Sample Not Received					
SIX0444506	Sample Not Received					
SIX0444506 Rpt	Sample Not Received					
SIX0444507	Sample Not Received					



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METHOD CODE	MA102	MA102	MA102	FA001	PR002	PR403
Determinants	Tm	Yb	Lu	Au*	WetWt	Pass75um
Units	ppm	ppm	ppm	ppm	grams	%
Detection Limit	0.05	0.05	0.02	0.01	1	0.01
SIX0444508	Sample Not Received					
SIX0444509	Sample Not Received					
Std Nominal	0.35	2.50	0.38	0.31		
Determined	0.35	2.45	0.36	0.30	NR	NR

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.

% Passing is the percentage of material passing the sieve using wet sieving techniques.

Pass75um

have been determined Gravimetrically.

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