



**BUREAU
VERITAS**

Bureau Veritas Minerals Pty Ltd

MINERAL TESTING & LABORATORY SERVICES

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Reference: **aa078099.b**
Date Finished: 30/04/2026
Order: OGDD002
Project: Oonagalabi
Date Received: 07/04/2026
Type of Sample: Core
Samples Analysed: **202**

FINAL ANALYSIS REPORT

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

Attention: Mr Matthew Pustahya

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

Authorised By:

Vaughn Noble
Senior Chemist

Fabian Gregus
Chemist

Michael Grieger
Chemist

Chris Faulkner
Laboratory Manager



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
BLANK 1	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444359	<0.2	7.31%	<1	378	2.5	0.2	5.51%	<0.5
SIX0444359Q	19.2	5.07%	406	1220	1.5	4.3	1.57%	26.5
SIX0444360	<0.2	6.01%	5	662	1.5	<0.1	2.49%	<0.5
SIX0444361	<0.2	6.66%	2	964	2.0	<0.1	1.60%	<0.5
SIX0444362	<0.2	5.69%	<1	716	2.0	<0.1	1.31%	<0.5
Std Nominal	25.8	4.82%	240	2710	3.0	4.0	1.47%	100
Determined	25.4	4.75%	230	NR	3.0	4.2	1.45%	100
SIX0444363	<0.2	4.82%	<1	764	1.5	<0.1	1.47%	<0.5
SIX0444364	<0.2	5.05%	3	914	1.5	<0.1	1.98%	<0.5
SIX0444365	<0.2	5.63%	<1	800	1.5	<0.1	7600	<0.5
SIX0444366	<0.2	5.74%	<1	970	1.5	<0.1	1.00%	<0.5
SIX0444367	<0.2	5.46%	2	944	1.0	<0.1	7800	<0.5
SIX0444368	<0.2	5.58%	<1	926	1.0	<0.1	7200	<0.5
SIX0444369	<0.2	5.58%	2	996	1.5	<0.1	6000	<0.5
SIX0444369 Rpt	<0.2	5.61%	<1	1010	1.5	<0.1	6000	<0.5
SIX0444370	<0.2	5.70%	2	666	7.0	<0.1	7800	<0.5
SIX0444371	<0.2	5.57%	<1	746	6.5	<0.1	3500	<0.5
SIX0444372	<0.2	5.69%	2	572	4.0	<0.1	4100	<0.5
SIX0444373	<0.2	5.50%	2	748	1.0	<0.1	7500	<0.5
SIX0444374	<0.2	5.60%	<1	604	1.5	<0.1	1.02%	<0.5
SIX0444375	<0.2	5.59%	2	702	3.0	<0.1	5900	<0.5
SIX0444376	<0.2	5.27%	<1	558	4.5	<0.1	5100	<0.5
SIX0444377	<0.2	5.48%	<1	568	4.0	<0.1	7400	<0.5
SIX0444378	<0.2	5.28%	2	676	1.5	<0.1	6900	<0.5
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	6.0	6.81%	98	136	1.0	3.4	2.57%	8.5
SIX0444379	<0.2	5.62%	<1	870	1.0	<0.1	1.11%	<0.5
SIX0444380	<0.2	5.63%	<1	858	1.5	<0.1	1.12%	<0.5
SIX0444381	<0.2	5.79%	2	796	1.5	<0.1	1.29%	<0.5
SIX0444382	<0.2	5.71%	<1	972	1.5	<0.1	8400	<0.5
SIX0444383	<0.2	5.52%	<1	970	1.5	<0.1	6600	<0.5
SIX0444384	<0.2	6.56%	<1	824	2.0	<0.1	1.94%	<0.5
SIX0444384 Rpt	<0.2	6.44%	<1	808	2.0	<0.1	1.90%	<0.5
SIX0444384Q	19.6	5.11%	441	1260	1.5	4.3	1.58%	27.0
SIX0444385	<0.2	7.54%	7	692	2.5	<0.1	3.10%	<0.5
SIX0444386	<0.2	7.86%	3	604	2.5	<0.1	3.86%	<0.5
SIX0444387	<0.2	6.78%	2	594	2.0	0.1	2.77%	<0.5
SIX0444388	<0.2	5.94%	<1	734	2.5	0.2	1.60%	<0.5
SIX0444389	<0.2	5.68%	<1	920	2.0	<0.1	7400	<0.5
SIX0444390	<0.2	5.45%	<1	906	1.5	<0.1	5600	<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
SIX0444391	<0.2	6.08%	<1	692	2.5	<0.1	9400	<0.5
SIX0444392	<0.2	5.78%	<1	782	1.5	<0.1	6900	<0.5
SIX0444393	<0.2	5.66%	<1	762	1.5	<0.1	7300	<0.5
SIX0444394	<0.2	5.67%	2	642	1.5	<0.1	8000	<0.5
SIX0444395	<0.2	5.76%	2	476	1.0	<0.1	8400	<0.5
Std Nominal		4.63%	3	984	1.5	<0.1	600	<0.5
Determined	<0.2	4.55%	4	962	1.5	<0.1	700	<0.5
SIX0444396	<0.2	5.93%	3	454	1.0	<0.1	8800	<0.5
SIX0444397	<0.2	6.38%	2	332	2.0	<0.1	1.21%	<0.5
SIX0444398	<0.2	6.22%	<1	294	1.0	<0.1	1.99%	<0.5
SIX0444399	<0.2	6.66%	<1	86	0.5	0.1	6.68%	<0.5
SIX0444400	<0.2	6.49%	<1	348	1.0	<0.1	1.38%	<0.5
SIX0444401	<0.2	6.88%	2	404	1.5	<0.1	1.03%	<0.5
SIX0444402	<0.2	6.65%	2	524	1.0	<0.1	1.02%	<0.5
SIX0444403	<0.2	6.84%	<1	468	1.5	<0.1	1.16%	<0.5
SIX0444404	<0.2	6.15%	2	672	1.0	<0.1	8400	<0.5
SIX0444405	<0.2	6.59%	<1	560	1.5	<0.1	1.08%	<0.5
Std Nominal	2.0	5.25%	331		1.5	8.4	2.41%	<0.5
Determined	2.2	5.18%	321	824	2.0	8.5	2.38%	<0.5
SIX0444406	<0.2	6.08%	3	794	1.0	<0.1	7500	<0.5
SIX0444407	<0.2	6.30%	2	714	1.5	<0.1	9600	<0.5
SIX0444408	<0.2	5.82%	<1	754	1.0	<0.1	6300	<0.5
SIX0444409	<0.2	6.44%	<1	514	1.0	<0.1	8900	<0.5
SIX0444409Q	10.0	6.74%	192	1240	3.0	12.5	9400	28.0
SIX0444410	<0.2	6.10%	5	508	1.5	<0.1	9100	<0.5
SIX0444411	<0.2	6.10%	2	412	1.5	<0.1	8900	<0.5
SIX0444412	<0.2	6.44%	3	398	2.0	<0.1	9700	<0.5
SIX0444413	<0.2	4.04%	<1	202	1.0	<0.1	5900	<0.5
SIX0444414	<0.2	6.03%	<1	648	2.0	<0.1	1.02%	<0.5
SIX0444415	<0.2	6.23%	2	466	2.0	<0.1	1.38%	<0.5
SIX0444416	<0.2	7.15%	<1	330	1.5	<0.1	1.30%	<0.5
SIX0444417	<0.2	6.41%	2	530	1.5	<0.1	1.05%	<0.5
SIX0444418	<0.2	6.75%	<1	578	1.5	<0.1	1.36%	<0.5
SIX0444419	<0.2	6.55%	<1	586	1.5	<0.1	1.45%	<0.5
SIX0444420	<0.2	7.46%	2	512	2.5	<0.1	3.20%	<0.5
BLANK 2	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444421	<0.2	7.42%	2	990	2.5	<0.1	2.31%	<0.5
SIX0444422	<0.2	7.59%	<1	530	2.0	<0.1	2.15%	<0.5
SIX0444423	<0.2	6.65%	<1	350	1.0	<0.1	1.07%	<0.5
SIX0444423 Rpt	<0.2	6.55%	<1	344	1.0	<0.1	1.04%	<0.5
SIX0444424	<0.2	6.95%	2	198	1.5	<0.1	1.47%	<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
SIX0444425	<0.2	8.12%	<1	128	3.0	0.1	3.34%	<0.5
Std Nominal	0.8	7.68%	18	1010	3.0	1.5	2.71%	<0.5
Determined	0.8	7.77%	16	1010	3.0	1.6	2.75%	<0.5
SIX0444426	<0.2	7.31%	2	206	3.0	0.2	2.02%	<0.5
SIX0444427	<0.2	6.71%	2	368	1.5	<0.1	1.36%	<0.5
SIX0444428	<0.2	7.84%	<1	558	3.0	<0.1	2.54%	<0.5
SIX0444429	<0.2	7.07%	<1	304	2.0	<0.1	1.79%	<0.5
SIX0444430	<0.2	7.07%	2	354	2.0	<0.1	1.98%	<0.5
SIX0444431	<0.2	7.20%	<1	474	2.0	<0.1	2.46%	<0.5
SIX0444432	<0.2	6.70%	2	206	1.5	<0.1	2.15%	<0.5
SIX0444432 Rpt	<0.2	6.53%	<1	204	1.5	<0.1	2.14%	<0.5
SIX0444433	<0.2	7.24%	<1	346	1.5	<0.1	1.29%	<0.5
SIX0444434	<0.2	7.34%	2	356	1.5	<0.1	1.84%	<0.5
SIX0444434Q	<0.2	7.80%	25	1050	3.5	0.1	2.57%	<0.5
SIX0444435	<0.2	6.70%	2	350	1.0	<0.1	9400	<0.5
SIX0444436	<0.2	6.96%	<1	278	1.5	<0.1	2.67%	<0.5
SIX0444437	<0.2	6.92%	2	390	1.5	<0.1	1.78%	<0.5
Std Nominal	25.8	4.82%	240	2710	3.0	4.0	1.47%	100
Determined	26.2	4.83%	243	NR	3.0	4.2	1.47%	100
SIX0444438	<0.2	7.04%	2	364	2.0	<0.1	1.72%	<0.5
SIX0444439	<0.2	7.33%	<1	134	2.0	<0.1	3.42%	<0.5
SIX0444440	<0.2	6.87%	2	204	1.5	<0.1	1.40%	<0.5
SIX0444441	<0.2	6.84%	<1	660	1.0	<0.1	1.08%	<0.5
SIX0444442	<0.2	6.56%	<1	766	1.5	<0.1	1.31%	<0.5
SIX0444443	<0.2	6.90%	<1	888	1.0	<0.1	1.19%	<0.5
SIX0444444	<0.2	7.75%	2	202	1.5	<0.1	2.49%	<0.5
SIX0444445	<0.2	8.44%	<1	96	1.0	0.1	6.15%	<0.5
SIX0444446	<0.2	8.20%	<1	88	1.0	0.1	6.13%	<0.5
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	6.0	6.93%	95	134	1.0	3.4	2.47%	8.5
SIX0444447	<0.2	9.20%	<1	120	3.0	0.1	4.13%	<0.5
SIX0444448	<0.2	8.73%	<1	150	2.5	<0.1	3.43%	<0.5
SIX0444449	<0.2	7.21%	<1	256	1.5	<0.1	1.47%	<0.5
SIX0444450	<0.2	7.94%	2	126	1.5	0.1	4.57%	<0.5
SIX0444451	<0.2	8.41%	<1	88	1.5	0.2	5.97%	<0.5
SIX0444452	<0.2	9.07%	<1	102	1.0	0.1	6.61%	<0.5
SIX0444453	<0.2	8.50%	2	86	0.5	0.2	6.29%	<0.5
SIX0444453 Rpt	<0.2	8.66%	<1	86	0.5	0.2	6.37%	<0.5
SIX0444454	<0.2	8.52%	<1	104	1.0	0.2	6.31%	<0.5
BLANK 3	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444455	<0.2	8.78%	<1	84	0.5	0.2	6.39%	<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
SIX0444842	<0.2	8.99%	<1	94	0.5	0.2	6.20%	<0.5
SIX0444843	<0.2	8.19%	<1	314	2.0	<0.1	3.49%	<0.5
SIX0444844	<0.2	7.36%	<1	382	2.0	<0.1	1.76%	<0.5
SIX0444845	<0.2	7.52%	2	290	1.5	0.1	2.27%	<0.5
SIX0444845Q	11.8	6.65%	137	1550	2.5	9.1	1.16%	83.5
SIX0444846	<0.2	7.04%	3	230	3.0	0.2	1.53%	<0.5
SIX0444847	<0.2	7.64%	3	190	6.5	0.3	1.66%	<0.5
SIX0444848	<0.2	7.64%	4	156	2.5	0.9	2.84%	<0.5
SIX0444849	<0.2	7.40%	<1	286	1.5	<0.1	2.53%	<0.5
SIX0444850	<0.2	7.50%	<1	342	2.5	0.1	2.54%	<0.5
Std Nominal		4.63%	3	984	1.5	<0.1	600	<0.5
Determined	<0.2	4.64%	4	970	1.5	<0.1	600	<0.5
SIX0444851	<0.2	7.96%	<1	426	2.5	0.2	2.63%	<0.5
SIX0444852	<0.2	7.02%	<1	752	2.0	<0.1	1.64%	<0.5
SIX0444853	<0.2	6.45%	<1	684	1.5	<0.1	1.25%	<0.5
SIX0444854	<0.2	6.54%	<1	722	1.5	<0.1	1.14%	<0.5
SIX0444855	<0.2	6.50%	<1	770	1.0	<0.1	9800	<0.5
SIX0444856	<0.2	6.90%	<1	714	2.0	<0.1	1.74%	<0.5
SIX0444857	<0.2	7.96%	<1	674	2.5	<0.1	1.96%	<0.5
SIX0444858	<0.2	6.15%	2	686	1.5	<0.1	1.14%	<0.5
SIX0444859	<0.2	6.83%	<1	592	2.0	<0.1	1.94%	<0.5
SIX0444860	<0.2	7.22%	<1	470	2.0	<0.1	2.45%	<0.5
SIX0444861	<0.2	6.22%	<1	568	2.0	<0.1	1.34%	<0.5
SIX0444861 Rpt	<0.2	6.38%	3	582	2.0	<0.1	1.37%	<0.5
SIX0444862	<0.2	6.70%	2	522	1.5	<0.1	1.08%	<0.5
SIX0444863	<0.2	6.61%	<1	600	1.5	<0.1	1.27%	<0.5
SIX0444864	<0.2	5.95%	<1	614	1.5	<0.1	1.57%	<0.5
SIX0444865	<0.2	5.76%	<1	442	1.5	<0.1	1.83%	<0.5
SIX0444866	<0.2	6.99%	2	384	1.5	<0.1	2.37%	<0.5
SIX0444867	<0.2	6.83%	<1	392	2.0	<0.1	2.22%	<0.5
Std Nominal	2.0	5.25%	331		1.5	8.4	2.41%	<0.5
Determined	2.0	5.16%	337	842	2.0	8.8	2.42%	<0.5
SIX0444868	<0.2	6.17%	4	684	1.5	<0.1	1.13%	<0.5
SIX0444869	<0.2	5.98%	<1	778	1.5	<0.1	1.26%	<0.5
SIX0444870	<0.2	5.79%	<1	642	1.5	<0.1	1.25%	<0.5
SIX0444870Q	<0.2	8.00%	2	542	2.5	<0.1	5.65%	<0.5
SIX0444871	<0.2	6.62%	5	622	1.5	0.1	1.52%	<0.5
SIX0444872	<0.2	6.27%	2	656	1.5	<0.1	8400	<0.5
SIX0444873	<0.2	6.94%	2	650	2.0	0.2	2.49%	<0.5
SIX0444874	<0.2	6.18%	2	1020	1.0	<0.1	9000	<0.5
SIX0444875	<0.2	5.74%	2	500	1.5	0.1	1.60%	<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
Std Nominal	0.8	7.68%	18	1010	3.0	1.5	2.71%	<0.5
Determined	0.8	7.79%	16	966	3.0	1.7	2.77%	<0.5
SIX0444876	<0.2	8.38%	2	262	2.5	0.2	4.83%	<0.5
SIX0444877	<0.2	7.68%	3	204	2.5	0.2	5.91%	<0.5
SIX0444878	<0.2	7.40%	2	342	2.5	0.1	3.87%	<0.5
SIX0444879	<0.2	6.59%	3	238	1.5	0.1	5.09%	<0.5
SIX0444880	<0.2	8.83%	2	216	2.0	0.3	6.18%	<0.5
SIX0444881	<0.2	8.15%	2	216	2.0	0.3	6.28%	<0.5
SIX0444882	<0.2	7.31%	4	572	2.0	0.1	2.81%	<0.5
SIX0444883	<0.2	7.48%	3	474	2.5	0.1	3.09%	<0.5
SIX0444884	<0.2	6.45%	2	710	2.0	0.1	2.19%	<0.5
SIX0444885	<0.2	6.19%	<1	712	2.0	0.1	1.32%	<0.5
SIX0444885 Rpt	<0.2	6.35%	3	746	2.0	0.1	1.38%	<0.5
SIX0444886	<0.2	6.08%	1	874	1.5	<0.1	6100	<0.5
SIX0444887	0.4	6.10%	3	882	1.5	0.2	6500	1.5
SIX0444888	<0.2	6.15%	1	844	1.0	0.1	6400	1.0
BLANK 4	<0.2	200	3	<2	<0.5	<0.1	<100	<0.5
SIX0444889	<0.2	6.04%	2	864	1.0	0.2	6700	0.5
SIX0444890	<0.2	6.08%	2	882	2.0	<0.1	6600	<0.5
SIX0444891	<0.2	6.09%	2	834	2.5	<0.1	8400	<0.5
Std Nominal	25.8	4.82%	240	2710	3.0	4.0	1.47%	100
Determined	25.4	4.66%	232	NR	3.0	4.0	1.44%	100
SIX0444892	0.4	5.96%	4	982	1.5	0.1	6300	0.5
SIX0444893	<0.2	6.38%	1	754	2.0	0.2	1.44%	<0.5
SIX0444894	<0.2	6.15%	3	842	1.5	0.1	1.12%	<0.5
SIX0444895	<0.2	6.65%	2	694	2.5	0.2	2.15%	<0.5
SIX0444895Q	<0.2	8.94%	25	1150	4.0	0.2	2.63%	<0.5
SIX0444896	<0.2	7.29%	4	628	2.0	0.2	2.73%	<0.5
SIX0444897	<0.2	6.64%	3	662	2.0	<0.1	1.52%	<0.5
SIX0444898	<0.2	7.01%	<1	510	2.0	0.5	3.16%	<0.5
SIX0444899	<0.2	6.57%	<1	506	2.5	0.2	2.00%	<0.5
SIX0444900	<0.2	6.36%	3	650	2.0	<0.1	1.37%	<0.5
SIX0444901	<0.2	6.20%	1	726	1.5	<0.1	1.03%	<0.5
SIX0444902	<0.2	6.75%	<1	502	2.0	0.2	1.96%	<0.5
SIX0444903	<0.2	6.92%	2	600	2.0	<0.1	1.36%	<0.5
SIX0444904	<0.2	6.49%	<1	766	1.5	0.2	1.73%	<0.5
SIX0444905	<0.2	6.96%	1	492	2.0	0.3	2.99%	<0.5
SIX0444906	<0.2	6.37%	<1	720	1.5	<0.1	8500	<0.5
SIX0444907	<0.2	6.26%	<1	752	1.5	<0.1	1.02%	<0.5
SIX0444908	<0.2	6.67%	<1	656	2.0	0.2	2.30%	<0.5
SIX0444909	<0.2	6.06%	2	708	2.0	0.2	1.48%	<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
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	6.2	6.96%	99	138	1.0	3.6	2.47%	9.0
SIX0444910	<0.2	5.75%	1	864	1.0	<0.1	8100	<0.5
SIX0444911	<0.2	5.96%	2	960	1.0	<0.1	7700	<0.5
SIX0444912	<0.2	6.17%	<1	880	1.5	<0.1	9000	<0.5
SIX0444913	<0.2	6.13%	2	804	1.5	<0.1	6600	<0.5
SIX0444914	<0.2	6.48%	1	456	1.5	<0.1	1.31%	<0.5
SIX0444915	<0.2	6.12%	3	740	1.0	<0.1	7800	<0.5
SIX0444916	<0.2	5.93%	2	770	1.0	<0.1	5000	<0.5
Std Nominal		4.63%	3	984	1.5	<0.1	600	<0.5
Determined	<0.2	4.57%	1	994	1.5	<0.1	600	<0.5
SIX0444917	<0.2	5.89%	<1	894	1.0	<0.1	6900	<0.5
SIX0444918	<0.2	6.95%	2	518	1.0	<0.1	3.80%	<0.5
SIX0444919	<0.2	6.21%	<1	560	1.5	<0.1	2.47%	<0.5
SIX0444920	<0.2	5.81%	<1	968	1.0	<0.1	5300	<0.5
SIX0444920 Rpt	<0.2	5.91%	2	976	1.0	<0.1	5500	<0.5
SIX0444920Q	<0.2	7.87%	1	534	2.5	<0.1	5.59%	<0.5
SIX0444921	<0.2	5.99%	2	1050	1.0	<0.1	5800	<0.5
SIX0444922	<0.2	5.81%	1	830	1.0	<0.1	1.01%	<0.5
SIX0444923	<0.2	6.01%	<1	1030	1.0	<0.1	6400	<0.5
SIX0444924	<0.2	5.75%	<1	816	1.0	<0.1	5100	<0.5
SIX0444925	<0.2	6.49%	2	718	2.0	0.1	2.31%	<0.5
SIX0444926	<0.2	6.58%	<1	624	2.0	<0.1	2.85%	<0.5
SIX0444927	<0.2	6.38%	<1	820	1.5	<0.1	1.91%	<0.5
SIX0444928	<0.2	6.04%	1	1060	1.5	<0.1	1.57%	<0.5
SIX0444929	<0.2	5.81%	<1	968	1.5	0.1	1.35%	<0.5
Std Nominal	2.0	5.25%	331		1.5	8.4	2.41%	<0.5
Determined	2.2	5.36%	335	866	2.0	8.4	2.47%	<0.5
SIX0444930	<0.2	6.29%	2	736	2.0	0.1	1.75%	<0.5
SIX0444931	<0.2	6.41%	3	336	4.0	0.2	4.61%	<0.5
SIX0444932	<0.2	7.33%	1	286	2.0	0.3	4.70%	<0.5
SIX0444932 Rpt	<0.2	7.33%	2	284	2.0	0.3	4.71%	<0.5
SIX0444933	<0.2	5.70%	2	752	3.5	<0.1	7700	<0.5
SIX0444934	<0.2	5.79%	<1	620	2.0	<0.1	1.85%	<0.5
SIX0444935	<0.2	5.86%	2	772	1.0	<0.1	9300	<0.5
SIX0444936	<0.2	6.29%	1	976	3.0	<0.1	7500	<0.5
BLANK 5	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444937	<0.2	5.90%	<1	750	2.5	<0.1	6900	<0.5
SIX0444938	<0.2	5.69%	2	768	3.0	<0.1	7200	<0.5
Std Nominal	0.8	7.68%	18	1010	3.0	1.5	2.71%	<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	0.8	7.61%	18	998	3.0	1.6	2.64%	<0.5



Reference: aa078099.b 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	<100	<0.2	<0.2	<0.05
SIX0444359	59	120	7.3	274	8.27%	19.6	2.6	0.15
SIX0444359Q	7	10	5.0	526	6.15%	15.0	3.2	0.35
SIX0444360	17	30	2.3	36	3.84%	16.4	2.8	0.05
SIX0444361	4	<10	1.1	22	2.34%	19.2	4.2	<0.05
SIX0444362	4	<10	1.4	30	3.07%	19.2	6.2	0.10
Std Nominal	27	40	5.1	246	9.69%	12.4	3.0	0.35
Determined	25	30	5.0	242	9.55%	12.6	3.4	0.35
SIX0444363	8	20	2.0	40	4.04%	19.2	6.6	0.10
SIX0444364	8	50	1.1	26	3.71%	16.4	4.2	0.10
SIX0444365	2	<10	1.1	8	2.71%	19.2	7.2	0.10
SIX0444366	6	<10	1.5	8	3.43%	19.8	7.4	0.10
SIX0444367	2	<10	1.3	8	2.76%	19.2	6.8	0.10
SIX0444368	3	<10	1.2	10	2.96%	20.0	6.6	0.10
SIX0444369	2	<10	1.1	10	2.95%	20.4	7.4	0.10
SIX0444369 Rpt	2	<10	1.1	8	2.95%	20.8	7.4	0.10
SIX0444370	3	<10	1.9	8	4.08%	22.4	9.2	0.20
SIX0444371	2	<10	1.3	4	2.98%	21.0	9.0	0.10
SIX0444372	2	<10	1.0	8	2.95%	21.2	8.6	0.10
SIX0444373	2	<10	1.0	6	2.57%	18.2	7.6	0.10
SIX0444374	2	<10	1.1	4	2.48%	19.6	7.0	0.10
SIX0444375	2	<10	1.7	6	3.20%	21.0	8.6	0.10
SIX0444376	2	<10	1.9	6	3.25%	21.4	9.4	0.15
SIX0444377	2	<10	1.3	2	2.57%	20.2	8.4	0.10
SIX0444378	2	<10	1.1	6	2.65%	19.2	7.4	0.10
Std Nominal	43	220		1520	8.65%			
Determined	44	220	16.7	1520	8.66%	21.2	3.0	0.60
SIX0444379	5	20	1.4	10	3.29%	19.6	6.8	0.10
SIX0444380	5	<10	1.2	8	3.16%	18.8	5.8	0.05
SIX0444381	6	20	1.2	18	3.18%	19.2	5.6	0.05
SIX0444382	2	<10	1.1	6	2.96%	20.2	6.0	0.10
SIX0444383	1	<10	1.1	4	2.83%	19.8	6.2	0.10
SIX0444384	10	30	2.4	14	4.47%	22.4	4.6	0.10
SIX0444384 Rpt	10	30	2.4	14	4.37%	22.2	4.4	0.10
SIX0444384Q	7	10	5.1	528	6.21%	16.0	3.6	0.35
SIX0444385	17	30	4.5	40	5.79%	24.2	2.6	0.10
SIX0444386	23	60	4.4	36	6.86%	26.2	3.2	0.10
SIX0444387	16	50	2.5	44	5.23%	22.2	3.0	0.10
SIX0444388	9	30	1.4	18	3.80%	20.4	5.4	0.10
SIX0444389	1	<10	1.0	2	2.77%	20.8	7.0	0.10
SIX0444390	1	<10	1.2	6	2.57%	20.2	8.0	0.15



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444391	1	<10	1.2	8	2.07%	20.6	5.8	0.10
SIX0444392	1	<10	1.0	10	2.17%	18.4	6.2	0.10
SIX0444393	1	<10	1.0	4	2.38%	18.8	6.2	0.10
SIX0444394	1	<10	1.0	4	2.03%	18.2	5.0	0.05
SIX0444395	1	20	0.8	<2	1.78%	17.2	3.8	<0.05
Std Nominal	4	30	0.7	2	1.57%	11.0	1.6	<0.05
Determined	4	50	0.7	2	1.57%	11.4	1.4	<0.05
SIX0444396	1	<10	0.8	4	1.67%	16.6	3.8	<0.05
SIX0444397	<1	<10	0.8	2	1.03%	17.8	1.8	<0.05
SIX0444398	10	30	0.5	16	2.51%	16.0	2.0	<0.05
SIX0444399	50	200	0.4	76	9.92%	18.8	0.8	0.10
SIX0444400	5	<10	0.6	14	1.68%	16.0	2.0	<0.05
SIX0444401	<1	<10	0.6	8	1.07%	16.0	2.2	<0.05
SIX0444402	3	<10	0.8	14	1.98%	17.6	4.2	<0.05
SIX0444403	1	<10	0.8	4	9000	16.2	2.2	<0.05
SIX0444404	2	<10	1.0	6	1.58%	15.0	3.4	<0.05
SIX0444405	2	<10	1.2	4	1.33%	16.4	2.8	<0.05
Std Nominal	379	20	2.4	1.35%	16.8 %	18.0	4.8	0.30
Determined	392	30	2.4	1.31%	16.8%	18.4	4.6	0.30
SIX0444406	4	<10	1.1	80	2.12%	17.8	5.8	0.05
SIX0444407	4	<10	1.4	10	2.43%	18.8	5.0	0.10
SIX0444408	2	<10	1.2	4	2.49%	18.2	7.0	0.05
SIX0444409	1	<10	1.0	10	1.91%	16.6	5.0	<0.05
SIX0444409Q	31	20	6.7	1.73%	4.88%	20.4	5.2	2.65
SIX0444410	2	<10	1.1	18	2.05%	17.6	5.0	0.05
SIX0444411	1	<10	0.8	6	1.57%	16.0	3.0	0.05
SIX0444412	2	<10	1.3	4	2.23%	18.2	4.6	0.05
SIX0444413	<1	<10	0.5	4	7500	10.2	1.4	<0.05
SIX0444414	2	<10	1.7	40	2.55%	20.0	5.8	0.10
SIX0444415	2	<10	1.0	24	2.41%	19.2	5.4	0.15
SIX0444416	1	<10	0.7	8	1.54%	18.0	3.6	<0.05
SIX0444417	3	<10	1.3	10	2.08%	17.6	4.6	0.05
SIX0444418	5	<10	1.4	6	3.14%	19.2	4.0	0.10
SIX0444419	5	<10	1.7	14	2.47%	18.2	5.4	<0.05
SIX0444420	19	30	3.7	44	5.70%	23.0	3.8	0.10
BLANK 2	<1	<10	<0.1	<2	<100	0.4	<0.2	<0.05
SIX0444421	11	20	3.2	58	4.17%	21.8	2.8	0.10
SIX0444422	15	50	4.2	14	5.11%	24.0	3.4	0.05
SIX0444423	1	<10	1.1	4	1.04%	14.4	2.4	<0.05
SIX0444423 Rpt	1	<10	1.0	6	1.03%	13.8	2.4	<0.05
SIX0444424	5	<10	1.2	8	1.67%	16.2	2.4	<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
SIX0444425	23	30	6.1	10	4.59%	21.4	2.2	0.10
Std Nominal	16	90	12.2	2600	4.54%	19.6	2.6	0.20
Determined	16	80	11.9	2640	4.62%	19.0	2.2	0.20
SIX0444426	14	20	8.6	14	3.35%	19.6	1.8	0.05
SIX0444427	5	20	1.9	6	2.10%	16.8	2.2	<0.05
SIX0444428	15	30	4.8	24	5.34%	23.4	3.2	0.10
SIX0444429	8	20	2.4	8	2.91%	18.6	3.2	<0.05
SIX0444430	11	20	2.4	12	4.00%	20.6	3.4	0.05
SIX0444431	16	50	2.6	18	4.51%	20.4	2.8	0.05
SIX0444432	10	30	1.2	8	2.54%	16.0	2.0	0.05
SIX0444432 Rpt	10	30	1.2	8	2.48%	15.2	2.2	0.05
SIX0444433	4	<10	1.5	6	1.47%	16.0	1.6	<0.05
SIX0444434	9	20	1.8	16	3.04%	17.8	2.0	<0.05
SIX0444434Q	14	50	16.2	46	3.72%	20.0	3.2	0.05
SIX0444435	2	<10	1.5	12	1.71%	16.4	1.4	<0.05
SIX0444436	15	50	1.9	26	3.56%	17.6	2.0	0.05
SIX0444437	9	30	2.1	10	3.18%	18.8	2.4	<0.05
Std Nominal	27	40	5.1	246	9.69%	12.4	3.0	0.35
Determined	26	30	5.1	248	9.55%	12.2	2.8	0.35
SIX0444438	8	20	2.0	10	3.23%	19.0	3.2	<0.05
SIX0444439	25	30	2.7	34	4.88%	18.6	2.0	0.05
SIX0444440	5	<10	1.3	10	1.73%	16.2	2.0	<0.05
SIX0444441	1	<10	1.3	48	9900	14.8	1.8	<0.05
SIX0444442	4	20	1.7	2	2.19%	16.4	2.4	<0.05
SIX0444443	2	<10	1.3	112	1.36%	14.4	2.6	<0.05
SIX0444444	17	30	4.1	44	4.34%	19.2	2.8	0.10
SIX0444445	54	80	3.1	82	9.93%	21.0	1.8	0.15
SIX0444446	53	80	4.6	68	10.3%	20.0	1.4	0.25
Std Nominal	43	220		1520	8.65%			
Determined	43	220	16.8	1560	8.57%	19.8	2.8	0.60
SIX0444447	45	80	9.8	30	10.0%	28.6	1.4	0.20
SIX0444448	35	60	7.6	14	7.79%	24.8	1.6	0.15
SIX0444449	2	<10	1.0	14	1.50%	16.8	3.0	<0.05
SIX0444450	36	60	3.7	58	7.25%	19.2	1.8	0.10
SIX0444451	53	80	3.2	72	9.67%	20.0	1.6	0.15
SIX0444452	57	80	0.7	84	9.35%	19.0	1.0	0.10
SIX0444453	57	100	1.1	98	9.26%	18.6	1.0	0.10
SIX0444453 Rpt	58	100	1.1	102	9.44%	19.2	1.0	0.10
SIX0444454	56	80	2.0	88	9.28%	19.0	1.2	0.10
BLANK 3	<1	<10	<0.1	2	<100	0.4	<0.2	<0.05
SIX0444455	58	60	1.8	78	9.26%	19.2	1.0	0.10



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444842	55	60	4.3	70	8.73%	18.6	1.0	0.10
SIX0444843	26	30	3.9	32	6.09%	21.2	2.6	0.10
SIX0444844	9	20	3.0	22	4.08%	21.8	3.4	<0.05
SIX0444845	13	20	3.2	30	3.09%	16.8	2.0	0.05
SIX0444845Q	4	10	6.2	1690	4.00%	20.4	6.4	2.15
SIX0444846	1	<10	2.4	22	1.07%	16.6	2.8	<0.05
SIX0444847	13	20	15.3	22	3.43%	23.0	2.4	0.05
SIX0444848	22	30	12.2	28	4.78%	19.0	2.2	0.10
SIX0444849	15	20	2.4	38	3.78%	18.2	2.8	0.05
SIX0444850	15	50	3.0	36	3.82%	20.0	2.8	0.05
Std Nominal	4	30	0.7	2	1.57%	11.0	1.6	<0.05
Determined	4	30	0.7	4	1.58%	10.6	1.2	<0.05
SIX0444851	17	50	4.9	32	5.42%	24.4	2.4	0.10
SIX0444852	10	30	2.5	72	4.30%	22.0	3.2	0.10
SIX0444853	6	30	1.5	24	3.32%	19.2	4.4	0.10
SIX0444854	4	<10	1.2	12	2.46%	19.0	4.2	0.10
SIX0444855	1	<10	1.0	12	1.87%	17.6	3.0	<0.05
SIX0444856	7	20	2.5	26	3.83%	21.4	3.8	0.10
SIX0444857	14	30	4.2	26	5.86%	26.4	4.0	0.10
SIX0444858	4	<10	1.3	24	2.99%	19.0	4.6	0.10
SIX0444859	8	20	1.8	36	3.72%	20.8	4.0	0.10
SIX0444860	17	50	2.4	26	4.46%	20.6	3.8	0.10
SIX0444861	3	<10	1.1	12	2.40%	18.6	5.2	0.10
SIX0444861 Rpt	3	<10	1.1	12	2.43%	19.2	5.4	0.10
SIX0444862	2	<10	1.1	12	1.83%	17.8	4.6	0.05
SIX0444863	2	<10	1.1	10	2.05%	16.8	4.2	<0.05
SIX0444864	2	<10	1.2	10	2.32%	16.0	5.6	0.05
SIX0444865	1	<10	0.8	8	1.78%	15.8	4.4	0.05
SIX0444866	11	30	1.2	22	2.89%	16.8	2.2	<0.05
SIX0444867	10	20	1.4	32	3.31%	18.4	3.6	0.10
Std Nominal	379	20	2.4	1.35%	16.8 %	18.0	4.8	0.30
Determined	387	30	2.5	1.32%	16.9%	18.2	5.0	0.30
SIX0444868	3	<10	1.0	20	2.59%	18.4	5.4	0.10
SIX0444869	2	<10	1.1	20	1.48%	13.0	2.6	<0.05
SIX0444870	2	<10	1.0	22	1.88%	15.8	5.0	<0.05
SIX0444870Q	45	170	1.2	42	8.12%	22.8	5.0	0.05
SIX0444871	9	20	1.3	38	3.66%	20.2	6.0	0.10
SIX0444872	2	<10	1.1	10	2.44%	19.2	6.8	0.10
SIX0444873	22	120	2.8	56	5.66%	22.2	5.8	0.10
SIX0444874	7	<10	1.9	20	3.05%	18.6	6.4	0.10
SIX0444875	14	30	2.1	52	4.95%	20.0	6.0	0.10



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
Std Nominal	16	90	12.2	2600	4.54%	19.6	2.6	0.20
Determined	16	80	12.4	2640	4.67%	19.2	2.8	0.20
SIX0444876	39	120	4.1	110	8.80%	24.0	2.0	0.15
SIX0444877	38	100	3.2	94	8.32%	22.4	1.6	0.15
SIX0444878	30	100	1.5	60	7.39%	22.4	3.2	0.15
SIX0444879	28	50	1.2	26	5.63%	16.8	1.2	0.10
SIX0444880	46	100	3.4	66	7.42%	21.2	1.8	0.15
SIX0444881	45	100	1.9	114	8.27%	21.0	1.6	0.15
SIX0444882	16	30	1.5	36	4.59%	20.8	3.8	0.10
SIX0444883	20	50	2.0	30	5.64%	23.0	3.4	0.15
SIX0444884	12	30	1.4	16	4.42%	19.8	4.8	0.10
SIX0444885	6	20	1.2	14	3.37%	19.8	5.6	0.10
SIX0444885 Rpt	6	20	1.2	14	3.53%	20.6	5.4	0.10
SIX0444886	1	<10	0.7	26	2.74%	21.6	7.2	0.15
SIX0444887	2	<10	0.6	124	2.67%	20.2	7.0	0.15
SIX0444888	2	<10	0.7	92	2.67%	19.8	6.6	0.15
BLANK 4	<1	<10	<0.1	<2	<100	0.4	<0.2	<0.05
SIX0444889	2	<10	0.7	64	2.74%	20.2	7.2	0.15
SIX0444890	3	<10	0.8	4	3.18%	21.0	7.2	0.15
SIX0444891	4	<10	0.8	14	3.12%	20.0	6.0	0.10
Std Nominal	27	40	5.1	246	9.69%	12.4	3.0	0.35
Determined	25	30	5.1	234	9.29%	12.0	3.0	0.35
SIX0444892	2	<10	0.8	16	2.83%	20.0	6.6	0.10
SIX0444893	8	30	1.3	28	4.06%	21.8	6.0	0.15
SIX0444894	5	<10	0.9	28	3.41%	20.6	5.8	0.10
SIX0444895	6	<10	0.9	40	3.53%	21.2	4.2	0.15
SIX0444895Q	14	60	16.8	46	3.75%	20.0	3.4	<0.05
SIX0444896	16	30	1.1	30	4.90%	21.8	4.2	0.15
SIX0444897	7	<10	0.9	16	3.43%	21.8	5.0	0.10
SIX0444898	23	30	1.5	24	5.29%	20.0	4.0	0.15
SIX0444899	11	20	1.3	8	4.23%	20.8	6.0	0.15
SIX0444900	4	<10	0.8	2	2.86%	20.2	6.6	0.10
SIX0444901	3	<10	0.8	<2	2.46%	20.2	4.8	0.10
SIX0444902	14	30	1.2	22	4.19%	21.8	3.8	0.10
SIX0444903	3	<10	0.9	2	2.68%	22.4	5.8	0.10
SIX0444904	10	30	1.2	18	3.64%	20.6	3.8	0.10
SIX0444905	32	620	2.1	200	6.69%	21.4	2.8	0.15
SIX0444906	2	<10	0.6	2	2.60%	21.2	5.6	0.10
SIX0444907	3	<10	0.8	20	2.63%	20.6	4.8	0.10
SIX0444908	16	30	0.9	22	4.97%	21.6	4.8	0.15
SIX0444909	8	20	0.9	30	3.77%	19.8	4.8	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
Std Nominal	43	220		1520	8.65%			
Determined	44	220	17.7	1560	8.75%	21.0	2.4	0.60
SIX0444910	3	<10	0.8	10	2.77%	20.2	5.6	0.15
SIX0444911	2	<10	0.7	2	2.93%	20.2	6.6	0.10
SIX0444912	4	<10	0.8	18	3.31%	21.0	7.0	0.15
SIX0444913	2	<10	0.7	10	2.75%	20.6	6.8	0.10
SIX0444914	3	<10	1.5	6	2.77%	20.6	5.0	0.10
SIX0444915	2	<10	1.3	14	2.60%	19.6	7.0	0.10
SIX0444916	1	<10	0.6	6	2.14%	19.6	6.2	0.10
Std Nominal	4	30	0.7	2	1.57%	11.0	1.6	<0.05
Determined	4	30	0.8	4	1.53%	11.2	1.4	<0.05
SIX0444917	2	<10	0.8	10	2.73%	19.0	5.8	0.10
SIX0444918	27	110	0.8	36	5.55%	19.2	3.2	0.10
SIX0444919	15	60	2.5	32	4.61%	20.8	3.6	0.10
SIX0444920	1	<10	0.7	8	2.64%	20.0	6.0	0.10
SIX0444920 Rpt	1	<10	0.7	4	2.67%	20.0	6.2	0.10
SIX0444920Q	44	160	1.2	42	8.13%	23.2	5.4	0.10
SIX0444921	1	<10	0.7	6	2.81%	20.0	6.0	0.10
SIX0444922	2	<10	0.7	10	2.56%	18.6	4.2	0.10
SIX0444923	2	<10	0.8	6	2.82%	20.8	6.2	0.10
SIX0444924	1	<10	0.9	40	2.49%	20.0	5.0	0.10
SIX0444925	13	30	1.3	36	4.66%	21.0	4.4	0.15
SIX0444926	19	60	1.2	32	4.65%	18.8	2.4	0.10
SIX0444927	11	20	0.8	22	3.76%	20.2	2.8	0.10
SIX0444928	4	<10	1.4	14	3.60%	21.4	4.0	0.15
SIX0444929	4	<10	1.1	16	3.25%	21.2	5.8	0.15
Std Nominal	379	20	2.4	1.35%	16.8 %	18.0	4.8	0.30
Determined	370	30	2.5	1.37%	17.3%	18.8	4.8	0.30
SIX0444930	5	<10	0.7	22	3.95%	24.0	5.0	0.30
SIX0444931	9	20	0.7	30	4.10%	21.8	3.2	0.15
SIX0444932	41	60	1.5	42	7.14%	20.8	2.2	0.10
SIX0444932 Rpt	40	60	1.5	40	7.16%	20.6	2.0	0.10
SIX0444933	4	<10	0.6	6	2.90%	19.6	5.2	0.10
SIX0444934	15	30	0.6	10	4.48%	19.0	3.4	0.10
SIX0444935	6	<10	1.2	24	2.88%	19.4	2.4	0.10
SIX0444936	3	<10	1.3	76	2.83%	21.0	4.4	0.10
BLANK 5	<1	<10	<0.1	2	<100	0.6	<0.2	<0.05
SIX0444937	1	<10	1.1	28	2.24%	21.8	7.6	0.15
SIX0444938	1	<10	1.3	36	2.42%	20.6	7.2	0.15
Std Nominal	16	90	12.2	2600	4.54%	19.6	2.6	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
Determined	16	80	12.3	2570	4.52%	19.6	2.4	0.20



Reference: aa078099.b 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
SIX0444359	2.24%	20	5.41%	1830	1.0	1.51%	9.0	540
SIX0444359Q	1.80%	20	8300	3.46%	12.0	7200	9.0	32
SIX0444360	2.79%	<10	1.57%	862	1.0	1.42%	9.0	72
SIX0444361	3.74%	<10	3500	306	1.0	1.78%	10.5	8
SIX0444362	3.57%	<10	6600	582	2.0	1.53%	16.0	6
Std Nominal	4.40%	50	8200	3250	10.0	1500	7.0	38
Determined	4.34%	50	8100	3200	9.5	1600	7.5	40
SIX0444363	3.51%	<10	8200	750	1.0	1.34%	15.0	12
SIX0444364	3.36%	10	1.09%	732	1.0	1.61%	13.0	34
SIX0444365	3.62%	<10	7800	730	1.0	1.58%	18.0	6
SIX0444366	4.06%	<10	8600	674	1.0	1.27%	20.0	14
SIX0444367	3.37%	<10	4900	540	1.0	1.52%	17.5	4
SIX0444368	3.49%	10	6800	570	1.5	1.65%	19.0	6
SIX0444369	3.75%	10	6300	554	1.0	1.56%	20.0	4
SIX0444369 Rpt	3.78%	10	6300	558	1.0	1.58%	20.5	4
SIX0444370	2.72%	20	1.55%	874	2.0	1.81%	24.0	8
SIX0444371	2.75%	10	1.33%	772	1.5	2.13%	20.5	6
SIX0444372	2.54%	10	1.17%	924	2.5	2.22%	19.5	4
SIX0444373	3.43%	<10	5900	610	1.0	1.70%	17.0	4
SIX0444374	2.75%	10	5800	496	1.0	1.84%	18.0	6
SIX0444375	3.09%	10	1.05%	860	1.5	1.78%	22.5	6
SIX0444376	2.62%	10	1.37%	748	1.0	1.79%	25.0	6
SIX0444377	2.67%	10	1.06%	570	2.0	2.00%	20.5	6
SIX0444378	3.09%	<10	7200	666	2.0	1.68%	18.5	6
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.32%	10	1.71%	1200	55.0	1.26%	6.0	74
SIX0444379	3.65%	10	8900	712	1.5	1.48%	19.0	16
SIX0444380	3.42%	10	7100	566	1.5	1.44%	16.0	12
SIX0444381	3.38%	10	7500	512	1.5	1.47%	15.5	20
SIX0444382	3.89%	10	4600	530	1.5	1.57%	19.0	6
SIX0444383	3.83%	<10	3900	542	1.0	1.56%	19.5	4
SIX0444384	3.35%	10	9800	848	1.0	1.75%	21.0	24
SIX0444384 Rpt	3.31%	10	9600	816	1.0	1.73%	20.5	22
SIX0444384Q	1.80%	20	8200	3.45%	12.0	7300	11.5	32
SIX0444385	2.62%	20	1.40%	1170	2.0	1.97%	16.0	28
SIX0444386	2.54%	10	1.81%	1320	1.0	1.88%	19.0	36
SIX0444387	2.74%	10	1.37%	958	1.0	1.70%	15.0	30
SIX0444388	2.99%	<10	8800	684	2.0	1.78%	17.5	20
SIX0444389	3.88%	<10	3000	482	2.5	1.72%	19.0	4
SIX0444390	3.88%	<10	3500	414	1.0	1.64%	20.5	4



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444391	3.14%	<10	2600	490	1.0	2.18%	14.5	4
SIX0444392	3.87%	<10	2800	404	1.0	1.77%	16.5	2
SIX0444393	3.81%	<10	2400	324	1.0	1.71%	15.0	4
SIX0444394	3.72%	<10	2000	352	1.0	1.75%	13.0	4
SIX0444395	3.88%	<10	2000	320	<0.5	1.79%	11.0	4
Std Nominal	2.59%	<10	2300	780	7.0	2300	7.5	8
Determined	2.62%	<10	2300	766	6.5	2200	7.5	12
SIX0444396	3.75%	<10	1800	350	<0.5	1.83%	8.5	4
SIX0444397	3.22%	<10	1100	288	<0.5	2.25%	5.5	2
SIX0444398	3.01%	<10	8200	580	<0.5	2.00%	3.5	40
SIX0444399	4600	<10	3.96%	1560	<0.5	1.56%	3.0	192
SIX0444400	3.34%	<10	3800	356	<0.5	2.14%	3.0	20
SIX0444401	3.96%	<10	900	210	1.0	2.31%	4.5	6
SIX0444402	4.15%	<10	3200	268	1.0	1.97%	10.5	8
SIX0444403	3.98%	<10	1100	130	<0.5	2.12%	4.5	4
SIX0444404	4.35%	<10	2100	194	1.0	1.68%	8.5	4
SIX0444405	4.14%	<10	2200	176	<0.5	1.89%	9.0	4
Std Nominal	3.28%	20	7700	3230	190	1.15%	12.0	54
Determined	3.29%	20	7700	3330	183	1.18%	12.0	54
SIX0444406	4.50%	<10	3600	334	3.0	1.57%	14.5	4
SIX0444407	4.18%	<10	4600	400	1.5	1.71%	15.0	8
SIX0444408	4.19%	<10	3500	404	1.0	1.57%	17.5	4
SIX0444409	3.94%	<10	2500	328	1.0	1.98%	11.5	4
SIX0444409Q	2.80%	30	3700	1730	22.0	2.00%	14.5	12
SIX0444410	3.70%	<10	3400	370	1.5	1.80%	13.5	6
SIX0444411	3.70%	<10	2000	236	1.0	1.81%	8.0	4
SIX0444412	3.65%	<10	4000	404	1.0	1.86%	11.0	6
SIX0444413	2.53%	<10	800	122	<0.5	1.25%	4.5	<2
SIX0444414	3.75%	<10	5300	528	2.0	1.58%	17.5	4
SIX0444415	3.07%	<10	4100	572	1.5	1.91%	14.5	4
SIX0444416	4.04%	<10	1700	250	<0.5	2.29%	8.5	4
SIX0444417	3.67%	<10	3700	366	1.0	1.86%	11.0	8
SIX0444418	3.29%	<10	8000	806	1.0	1.91%	12.0	12
SIX0444419	3.46%	<10	5500	372	1.0	1.77%	15.0	14
SIX0444420	1.97%	10	1.46%	1030	1.0	1.97%	17.0	26
BLANK 2	300	<10	<100	<2	<0.5	200	1.0	<2
SIX0444421	3.23%	10	1.05%	730	<0.5	1.83%	15.5	18
SIX0444422	2.97%	20	1.18%	780	1.0	1.98%	19.5	24
SIX0444423	4.39%	<10	1000	258	<0.5	1.80%	3.5	4
SIX0444423 Rpt	4.33%	<10	800	256	<0.5	1.76%	3.0	4
SIX0444424	4.03%	<10	3500	250	<0.5	1.92%	3.5	8



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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
SIX0444425	2.24%	10	1.71%	898	1.5	2.30%	11.5	44
Std Nominal	3.14%	30	1.48%	546	99.0	2.08%	18.0	42
Determined	3.11%	30	1.51%	556	95.5	2.03%	17.0	42
SIX0444426	3.85%	10	1.08%	736	2.5	1.75%	10.0	28
SIX0444427	4.01%	<10	3800	346	1.0	1.71%	7.5	12
SIX0444428	2.31%	20	1.30%	972	1.0	2.09%	19.0	22
SIX0444429	3.48%	<10	6700	420	1.0	1.91%	10.5	18
SIX0444430	2.93%	10	8100	592	1.0	1.98%	16.0	14
SIX0444431	3.21%	10	1.17%	736	1.5	1.86%	13.0	24
SIX0444432	3.25%	<10	8500	508	1.0	1.74%	4.0	22
SIX0444432 Rpt	3.18%	<10	8400	490	1.0	1.72%	4.0	18
SIX0444433	5.05%	<10	2700	188	1.0	1.70%	5.5	8
SIX0444434	3.84%	10	7300	522	<0.5	1.74%	8.5	16
SIX0444434Q	3.42%	40	1.38%	558	4.0	2.04%	20.5	40
SIX0444435	5.30%	<10	1100	180	1.5	1.47%	4.0	4
SIX0444436	2.92%	<10	1.22%	658	1.0	1.78%	8.0	26
SIX0444437	3.76%	<10	7500	446	1.0	1.76%	10.5	16
Std Nominal	4.40%	50	8200	3250	10.0	1500	7.0	38
Determined	4.43%	50	8100	3150	9.5	1500	7.0	38
SIX0444438	3.45%	10	5800	476	1.0	1.94%	10.0	16
SIX0444439	1.97%	10	1.73%	768	1.0	2.09%	8.5	46
SIX0444440	4.21%	<10	3300	238	<0.5	1.81%	4.5	8
SIX0444441	4.48%	<10	800	122	<0.5	1.76%	3.0	4
SIX0444442	3.84%	<10	2700	254	1.0	1.72%	8.0	8
SIX0444443	4.51%	<10	1200	158	1.0	1.65%	4.0	6
SIX0444444	3.66%	10	1.46%	846	1.0	1.71%	9.0	34
SIX0444445	1.22%	10	4.02%	1890	1.5	1.81%	6.5	108
SIX0444446	1.55%	20	4.31%	2060	1.5	1.63%	5.0	116
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.33%	<10	1.75%	1190	55.0	1.29%	4.0	72
SIX0444447	2.57%	20	3.70%	2090	1.5	1.75%	18.0	92
SIX0444448	2.74%	20	2.81%	1710	1.5	1.75%	18.0	68
SIX0444449	4.00%	<10	1600	214	<0.5	1.81%	4.0	4
SIX0444450	2.00%	10	2.81%	1310	1.0	1.79%	6.5	70
SIX0444451	1.25%	10	4.06%	1790	1.0	1.80%	6.0	120
SIX0444452	5100	<10	4.43%	1470	<0.5	1.91%	4.5	112
SIX0444453	5800	10	4.34%	1470	<0.5	1.80%	5.0	108
SIX0444453 Rpt	6000	10	4.40%	1520	<0.5	1.83%	4.0	104
SIX0444454	6500	10	4.14%	1530	1.0	1.91%	4.0	102
BLANK 3	100	<10	<100	<2	<0.5	300	<0.5	<2
SIX0444455	7300	10	4.22%	1510	<0.5	2.05%	3.5	116



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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
SIX0444842	1.39%	20	4.27%	1500	3.5	2.12%	3.5	122
SIX0444843	2.31%	20	2.12%	1030	2.0	2.09%	14.0	56
SIX0444844	3.39%	20	6700	498	1.0	1.89%	17.0	18
SIX0444845	3.60%	10	1.00%	520	1.5	1.78%	5.5	26
SIX0444845Q	2.81%	20	2700	4440	12.0	1.88%	15.0	6
SIX0444846	3.70%	<10	700	176	1.0	1.89%	4.5	6
SIX0444847	3.92%	20	9500	744	1.0	1.83%	20.5	24
SIX0444848	2.88%	20	1.72%	1010	1.0	1.86%	7.0	44
SIX0444849	2.92%	10	1.15%	644	1.0	1.89%	8.5	34
SIX0444850	3.04%	10	1.22%	620	1.0	1.74%	13.0	34
Std Nominal	2.59%	<10	2300	780	7.0	2300	7.5	8
Determined	2.67%	<10	2400	754	6.0	2300	7.0	10
SIX0444851	3.08%	20	1.46%	978	1.0	1.89%	16.0	34
SIX0444852	3.51%	20	1.07%	756	2.0	1.57%	19.0	20
SIX0444853	3.57%	10	8400	790	1.0	1.52%	17.0	20
SIX0444854	3.49%	<10	5100	642	1.0	1.73%	15.0	10
SIX0444855	3.65%	<10	2200	418	<0.5	1.89%	10.5	4
SIX0444856	2.96%	10	8700	830	1.0	1.69%	19.0	16
SIX0444857	3.08%	20	1.22%	1240	2.0	1.95%	22.0	24
SIX0444858	3.08%	<10	5200	642	1.0	1.62%	16.5	14
SIX0444859	2.63%	10	9300	814	1.0	1.65%	16.5	22
SIX0444860	2.36%	10	1.91%	940	1.0	1.80%	15.0	72
SIX0444861	2.84%	<10	4400	478	1.0	1.77%	13.5	10
SIX0444861 Rpt	2.90%	<10	4400	496	1.0	1.81%	14.0	8
SIX0444862	3.80%	<10	3000	352	<0.5	1.84%	10.5	6
SIX0444863	3.49%	<10	3200	316	2.5	1.74%	13.0	6
SIX0444864	3.49%	<10	4700	388	1.0	1.24%	15.0	4
SIX0444865	3.27%	<10	2700	360	1.0	1.79%	10.5	4
SIX0444866	3.46%	<10	9100	516	1.5	1.92%	6.0	30
SIX0444867	2.40%	<10	9300	726	1.0	1.92%	11.0	20
Std Nominal	3.28%	20	7700	3230	190	1.15%	12.0	54
Determined	3.20%	10	7700	3300	185	1.12%	13.0	56
SIX0444868	3.42%	<10	5600	548	2.5	1.76%	15.0	8
SIX0444869	3.93%	<10	2800	326	1.5	1.62%	4.0	6
SIX0444870	3.66%	<10	3500	408	2.0	1.59%	10.5	4
SIX0444870Q	1.70%	10	4.55%	1170	4.5	2.20%	43.0	140
SIX0444871	3.97%	<10	1.15%	818	2.0	1.59%	16.0	28
SIX0444872	3.85%	<10	3600	456	2.0	1.86%	14.5	4
SIX0444873	3.03%	<10	2.07%	906	1.5	1.73%	18.0	76
SIX0444874	4.28%	<10	8100	526	1.0	1.40%	17.0	14
SIX0444875	2.46%	10	1.40%	952	3.0	1.35%	21.5	32



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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
Std Nominal	3.14%	30	1.48%	546	99.0	2.08%	18.0	42
Determined	3.10%	30	1.47%	562	102	2.03%	19.0	42
SIX0444876	1.78%	10	3.23%	1780	4.0	2.06%	18.5	86
SIX0444877	1.44%	<10	2.88%	1760	3.0	1.92%	17.0	74
SIX0444878	1.90%	<10	2.40%	1370	2.5	1.88%	14.5	54
SIX0444879	9000	10	2.64%	1430	1.0	1.53%	7.0	104
SIX0444880	1.40%	10	4.69%	2570	1.0	1.72%	10.5	212
SIX0444881	1.12%	10	4.12%	3860	1.0	1.57%	9.0	196
SIX0444882	2.66%	<10	1.41%	1360	7.0	1.88%	14.0	42
SIX0444883	2.30%	<10	1.65%	1220	16.0	1.99%	16.0	34
SIX0444884	3.14%	10	1.36%	1040	2.0	1.52%	15.0	30
SIX0444885	3.08%	10	1.04%	736	1.5	1.85%	16.0	16
SIX0444885 Rpt	3.23%	10	1.03%	738	1.5	1.92%	16.5	18
SIX0444886	3.59%	<10	4600	532	1.5	2.01%	19.0	4
SIX0444887	3.38%	<10	4500	584	2.5	2.15%	18.5	4
SIX0444888	3.35%	<10	4000	622	2.5	2.18%	17.0	4
BLANK 4	100	<10	<100	2	<0.5	<100	<0.5	<2
SIX0444889	3.37%	<10	4900	746	2.0	2.03%	18.0	4
SIX0444890	3.29%	<10	7200	718	1.5	1.99%	19.5	8
SIX0444891	2.70%	<10	6700	740	1.5	2.18%	17.5	8
Std Nominal	4.40%	50	8200	3250	10.0	1500	7.0	38
Determined	4.27%	40	8000	3150	9.0	1500	7.0	38
SIX0444892	3.46%	<10	5200	598	2.0	2.05%	18.0	4
SIX0444893	2.51%	10	9900	696	1.5	2.06%	16.5	26
SIX0444894	3.32%	<10	8000	810	1.5	1.88%	18.5	14
SIX0444895	2.53%	<10	1.09%	2170	1.5	2.00%	14.5	14
SIX0444895Q	3.38%	40	1.43%	564	3.5	2.08%	20.5	40
SIX0444896	2.99%	<10	1.88%	1930	1.0	2.11%	13.0	42
SIX0444897	2.54%	<10	9900	1080	1.0	2.13%	15.5	14
SIX0444898	2.05%	<10	2.12%	1160	1.0	2.22%	12.0	52
SIX0444899	1.67%	10	1.45%	1050	1.0	2.34%	15.0	24
SIX0444900	1.86%	<10	8800	678	1.0	2.49%	16.5	8
SIX0444901	2.64%	<10	7000	668	1.0	2.36%	15.5	6
SIX0444902	2.33%	<10	1.45%	980	1.0	2.42%	14.5	30
SIX0444903	2.15%	<10	5900	558	1.0	2.87%	16.5	4
SIX0444904	2.62%	<10	1.21%	822	2.0	2.24%	14.0	16
SIX0444905	1.99%	10	3.01%	1640	11.0	1.86%	11.0	230
SIX0444906	3.19%	<10	6100	606	1.0	2.19%	15.0	6
SIX0444907	3.03%	<10	7500	1100	1.0	1.94%	16.5	6
SIX0444908	2.51%	<10	1.53%	884	1.5	1.96%	15.0	44
SIX0444909	2.71%	<10	1.06%	862	1.0	1.92%	17.0	24



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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
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.45%	<10	1.72%	1220	56.0	1.33%	5.0	74
SIX0444910	3.25%	<10	5000	586	1.5	1.96%	17.0	6
SIX0444911	3.50%	<10	4600	538	1.5	1.93%	18.0	4
SIX0444912	3.41%	<10	6900	656	1.5	1.90%	19.0	12
SIX0444913	3.54%	<10	5300	572	1.5	2.06%	18.5	4
SIX0444914	2.63%	10	8000	452	1.0	2.19%	18.5	6
SIX0444915	3.57%	<10	5900	516	1.5	1.83%	17.5	4
SIX0444916	3.35%	<10	5000	484	1.0	2.03%	15.5	4
Std Nominal	2.59%	<10	2300	780	7.0	2300	7.5	8
Determined	2.58%	<10	2300	776	6.0	2400	6.5	10
SIX0444917	3.52%	<10	5000	598	1.0	1.81%	16.0	6
SIX0444918	2.15%	<10	2.27%	940	1.0	1.78%	11.0	104
SIX0444919	2.20%	10	1.61%	854	1.0	1.57%	21.5	56
SIX0444920	3.75%	<10	4300	630	1.5	1.64%	18.5	4
SIX0444920 Rpt	3.81%	<10	4500	650	1.5	1.69%	18.5	4
SIX0444920Q	1.71%	10	4.51%	1140	4.5	2.24%	38.0	136
SIX0444921	4.01%	<10	4500	702	1.5	1.57%	19.0	4
SIX0444922	2.80%	<10	4200	450	1.0	1.73%	13.5	4
SIX0444923	3.87%	<10	3900	488	1.5	1.70%	17.0	4
SIX0444924	3.54%	10	4200	368	1.5	1.80%	15.0	4
SIX0444925	2.42%	<10	1.56%	1120	1.0	1.78%	15.0	24
SIX0444926	2.00%	<10	1.61%	930	1.0	1.87%	10.5	52
SIX0444927	2.49%	<10	1.19%	770	1.0	1.92%	14.5	26
SIX0444928	2.28%	<10	1.25%	996	1.0	1.96%	20.5	8
SIX0444929	2.36%	<10	1.07%	786	1.0	1.95%	17.0	8
Std Nominal	3.28%	20	7700	3230	190	1.15%	12.0	54
Determined	3.38%	20	7900	3260	192	1.14%	12.5	56
SIX0444930	1.56%	<10	9600	968	2.0	2.14%	16.0	8
SIX0444931	6300	<10	1.31%	1330	1.5	1.74%	15.0	18
SIX0444932	8300	<10	2.72%	1310	1.0	2.15%	9.0	78
SIX0444932 Rpt	8200	<10	2.74%	1330	1.0	2.13%	9.0	76
SIX0444933	2.45%	<10	8500	598	0.5	2.04%	13.0	8
SIX0444934	1.74%	<10	1.39%	814	0.5	1.89%	12.0	24
SIX0444935	2.75%	<10	9500	484	1.0	1.83%	19.0	8
SIX0444936	2.80%	10	1.32%	598	2.0	2.16%	19.5	6
BLANK 5	<100	<10	<100	<2	<0.5	<100	<0.5	<2
SIX0444937	2.07%	10	1.58%	862	2.0	2.38%	17.0	4
SIX0444938	2.98%	10	1.60%	630	1.5	1.75%	21.5	4
Std Nominal	3.14%	30	1.48%	546	99.0	2.08%	18.0	42



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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
Determined	3.06%	30	1.44%	552	99.5	2.11%	17.0	40



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
BLANK 1	<50	<1	<0.2	<0.1	<50	<0.1	<1	<5
SIX0444359	500	9	189	<0.1	2700	0.3	20	<5
SIX0444359Q	450	3930	101	<0.1	5.18%	50.3	6	<5
SIX0444360	400	27	148	<0.1	400	0.7	10	<5
SIX0444361	250	36	160	<0.1	200	0.4	4	<5
SIX0444362	200	24	197	<0.1	200	0.3	6	<5
Std Nominal	900	6730	205		9.37%	20.5	7	
Determined	900	6630	215	<0.1	9.24%	20.6	7	<5
SIX0444363	250	26	214	<0.1	300	0.3	10	<5
SIX0444364	200	47	154	<0.1	500	0.5	10	<5
SIX0444365	100	27	171	<0.1	150	0.3	7	<5
SIX0444366	150	25	196	<0.1	150	0.3	9	<5
SIX0444367	100	31	155	<0.1	150	0.3	6	<5
SIX0444368	100	33	162	<0.1	150	0.2	7	<5
SIX0444369	100	23	163	<0.1	150	0.2	7	<5
SIX0444369 Rpt	100	23	167	<0.1	150	0.2	8	<5
SIX0444370	100	20	185	<0.1	150	0.2	7	<5
SIX0444371	50	14	149	<0.1	100	0.3	6	<5
SIX0444372	100	13	130	<0.1	150	0.2	6	<5
SIX0444373	100	25	143	<0.1	100	0.2	6	<5
SIX0444374	100	25	135	<0.1	150	0.2	6	<5
SIX0444375	100	23	164	<0.1	100	0.3	7	<5
SIX0444376	50	22	167	<0.1	100	0.2	7	<5
SIX0444377	50	17	140	<0.1	100	0.2	6	<5
SIX0444378	100	21	147	<0.1	100	0.2	7	<5
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	650	515	553	<0.1	2.01%	12.6	14	5
SIX0444379	100	28	169	<0.1	200	0.3	8	<5
SIX0444380	150	18	167	<0.1	200	0.2	8	<5
SIX0444381	150	17	165	<0.1	300	0.2	7	<5
SIX0444382	100	21	182	<0.1	150	0.2	8	<5
SIX0444383	50	20	169	<0.1	150	0.2	7	<5
SIX0444384	450	23	176	<0.1	350	0.3	13	<5
SIX0444384 Rpt	450	23	177	<0.1	350	0.2	12	<5
SIX0444384Q	450	4030	105	<0.1	5.14%	50.9	6	<5
SIX0444385	950	29	170	<0.1	950	0.7	18	<5
SIX0444386	1250	24	176	<0.1	850	0.4	23	<5
SIX0444387	750	22	165	<0.1	900	0.3	16	<5
SIX0444388	150	22	154	<0.1	300	0.3	10	<5
SIX0444389	50	18	179	<0.1	100	0.2	7	<5
SIX0444390	50	16	197	<0.1	100	0.2	7	<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
SIX0444391	100	20	153	<0.1	100	0.2	5	<5
SIX0444392	100	24	185	<0.1	100	0.2	6	<5
SIX0444393	50	24	177	<0.1	100	0.2	6	<5
SIX0444394	100	27	181	<0.1	100	0.2	5	<5
SIX0444395	100	31	174	<0.1	100	0.2	4	<5
Std Nominal	100	18	88.0	<0.1	<50	<0.1	3	<5
Determined	100	16	87.0	<0.1	100	0.2	3	<5
SIX0444396	50	33	164	<0.1	100	0.2	4	<5
SIX0444397	100	31	138	<0.1	100	0.2	2	<5
SIX0444398	100	26	120	<0.1	200	0.2	7	<5
SIX0444399	300	11	22.2	<0.1	1000	0.2	28	<5
SIX0444400	100	30	127	<0.1	200	0.2	4	<5
SIX0444401	<50	31	152	<0.1	100	0.6	2	<5
SIX0444402	100	31	181	<0.1	150	0.3	5	<5
SIX0444403	100	28	159	<0.1	100	0.3	2	<5
SIX0444404	<50	26	192	<0.1	100	0.3	3	<5
SIX0444405	100	28	194	<0.1	100	0.3	3	<5
Std Nominal	1050	18	115	0.1	2.39%	5.6	8	<5
Determined	1000	18	114	0.1	2.36%	5.5	8	<5
SIX0444406	100	27	210	<0.1	300	0.3	6	<5
SIX0444407	200	28	223	<0.1	150	0.2	7	<5
SIX0444408	100	28	205	<0.1	150	0.2	7	<5
SIX0444409	100	30	172	<0.1	100	0.2	5	<5
SIX0444409Q	400	2550	142	<0.1	3.69%	25.7	5	15
SIX0444410	100	31	184	<0.1	150	0.4	5	<5
SIX0444411	<50	27	159	<0.1	100	0.3	3	<5
SIX0444412	100	25	175	<0.1	150	0.4	4	<5
SIX0444413	<50	17	106	<0.1	150	0.2	1	<5
SIX0444414	100	22	189	<0.1	500	0.2	6	<5
SIX0444415	100	21	149	<0.1	350	0.2	5	<5
SIX0444416	<50	33	169	<0.1	150	0.2	3	<5
SIX0444417	100	26	170	<0.1	150	0.2	5	<5
SIX0444418	200	23	178	<0.1	150	0.2	9	<5
SIX0444419	350	30	198	<0.1	300	0.2	7	<5
SIX0444420	1050	17	139	<0.1	900	0.2	20	<5
BLANK 2	<50	1	0.4	<0.1	100	0.1	<1	<5
SIX0444421	700	24	178	<0.1	1050	0.2	14	<5
SIX0444422	700	29	206	<0.1	500	0.2	16	<5
SIX0444423	100	38	184	<0.1	100	0.2	2	<5
SIX0444423 Rpt	100	38	177	<0.1	100	0.2	2	<5
SIX0444424	100	35	181	<0.1	200	0.2	4	<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
SIX0444425	300	25	180	<0.1	300	0.3	15	<5
Std Nominal	1000	23	184	<0.1	3550	0.9	13	<5
Determined	1000	23	193	<0.1	3700	1.1	13	<5
SIX0444426	250	36	249	<0.1	350	0.3	9	<5
SIX0444427	250	34	196	<0.1	200	0.2	5	<5
SIX0444428	900	23	171	<0.1	550	0.2	19	<5
SIX0444429	300	30	192	<0.1	250	0.2	8	<5
SIX0444430	400	25	197	<0.1	350	0.2	12	<5
SIX0444431	400	24	203	<0.1	400	0.2	14	<5
SIX0444432	150	25	156	<0.1	250	0.2	9	<5
SIX0444432 Rpt	150	24	156	<0.1	200	0.2	9	<5
SIX0444433	150	31	242	<0.1	150	0.2	3	<5
SIX0444434	300	26	207	<0.1	250	0.2	9	<5
SIX0444434Q	1000	23	230	<0.1	700	0.7	13	<5
SIX0444435	100	38	238	<0.1	150	0.2	2	<5
SIX0444436	250	22	169	<0.1	350	0.2	13	<5
SIX0444437	300	29	216	<0.1	300	0.2	10	<5
Std Nominal	900	6730	205		9.37%	20.5	7	
Determined	900	6820	202	<0.1	9.13%	19.5	7	<5
SIX0444438	350	35	188	<0.1	350	0.3	8	<5
SIX0444439	300	26	122	<0.1	700	0.2	15	<5
SIX0444440	150	38	192	<0.1	200	0.2	4	<5
SIX0444441	100	39	203	<0.1	200	0.2	2	<5
SIX0444442	200	34	180	<0.1	100	0.2	4	<5
SIX0444443	100	37	180	<0.1	200	0.6	2	<5
SIX0444444	200	28	221	<0.1	300	0.4	12	<5
SIX0444445	600	9	98.6	<0.1	1350	0.4	31	<5
SIX0444446	550	8	148	<0.1	950	0.3	31	<5
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	600	532	554	<0.1	2.06%	11.8	15	<5
SIX0444447	800	12	321	<0.1	400	0.3	35	<5
SIX0444448	500	17	277	<0.1	350	0.2	23	<5
SIX0444449	100	37	171	<0.1	150	0.2	2	<5
SIX0444450	400	17	126	<0.1	950	0.2	24	<5
SIX0444451	550	11	98.8	<0.1	1200	0.2	30	<5
SIX0444452	500	7	23.6	<0.1	1400	0.2	28	<5
SIX0444453	500	8	25.8	<0.1	1450	0.3	28	<5
SIX0444453 Rpt	500	8	26.2	<0.1	1450	0.3	29	<5
SIX0444454	550	8	39.0	<0.1	1400	0.2	28	<5
BLANK 3	<50	<1	0.4	<0.1	50	0.1	<1	<5
SIX0444455	500	8	38.4	<0.1	1350	0.2	28	<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
SIX0444842	450	10	110	<0.1	1100	0.2	25	<5
SIX0444843	500	21	192	<0.1	500	0.2	17	<5
SIX0444844	400	33	212	<0.1	300	0.2	10	<5
SIX0444845	200	28	183	<0.1	300	0.2	8	<5
SIX0444845Q	300	8400	132	<0.1	3.85%	34.9	4	<5
SIX0444846	50	43	153	<0.1	150	0.7	1	<5
SIX0444847	250	33	247	<0.1	300	0.6	11	<5
SIX0444848	250	24	201	<0.1	350	0.9	15	<5
SIX0444849	350	26	158	<0.1	400	0.4	11	<5
SIX0444850	300	25	180	<0.1	450	0.3	11	<5
Std Nominal	100	18	88.0	<0.1	<50	<0.1	3	<5
Determined	100	17	86.6	<0.1	50	0.2	3	<5
SIX0444851	550	23	194	<0.1	400	0.2	17	<5
SIX0444852	300	27	212	<0.1	800	0.2	12	<5
SIX0444853	100	21	184	<0.1	300	0.2	10	<5
SIX0444854	100	23	166	<0.1	150	0.2	7	<5
SIX0444855	50	25	148	<0.1	100	0.2	4	<5
SIX0444856	350	25	176	<0.1	300	0.2	11	<5
SIX0444857	750	26	202	<0.1	350	0.2	18	<5
SIX0444858	100	18	151	<0.1	200	0.2	8	<5
SIX0444859	350	21	154	<0.1	300	0.2	10	<5
SIX0444860	300	21	144	<0.1	400	0.2	12	<5
SIX0444861	100	17	138	<0.1	150	0.2	6	<5
SIX0444861 Rpt	100	18	143	<0.1	150	0.2	6	<5
SIX0444862	100	28	165	<0.1	150	0.2	5	<5
SIX0444863	150	26	167	<0.1	200	0.2	4	<5
SIX0444864	150	28	160	<0.1	200	0.2	5	<5
SIX0444865	50	29	149	<0.1	150	0.2	4	<5
SIX0444866	200	27	150	<0.1	300	0.2	7	<5
SIX0444867	200	21	126	<0.1	350	0.2	9	<5
Std Nominal	1050	18	115	0.1	2.39%	5.6	8	<5
Determined	1050	20	114	0.1	2.33%	5.7	8	<5
SIX0444868	100	20	153	<0.1	150	0.2	6	<5
SIX0444869	100	26	167	<0.1	100	0.2	3	<5
SIX0444870	100	28	164	<0.1	150	0.2	4	<5
SIX0444870Q	2500	3	36.6	<0.1	500	0.4	19	<5
SIX0444871	200	26	187	<0.1	400	0.6	9	<5
SIX0444872	100	25	181	<0.1	100	0.4	6	<5
SIX0444873	150	19	187	<0.1	950	0.4	17	<5
SIX0444874	150	24	205	<0.1	450	0.3	8	<5
SIX0444875	150	18	163	<0.1	800	0.3	13	<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
Std Nominal	1000	23	184	<0.1	3550	0.9	13	<5
Determined	1000	23	190	<0.1	3550	1.1	13	<5
SIX0444876	650	19	162	<0.1	1250	0.3	27	<5
SIX0444877	650	20	126	<0.1	1150	0.3	25	<5
SIX0444878	500	15	106	<0.1	900	0.3	23	<5
SIX0444879	550	17	49.6	<0.1	400	0.3	18	<5
SIX0444880	750	24	94.6	<0.1	850	0.3	19	<5
SIX0444881	700	22	65.0	<0.1	1200	0.4	20	<5
SIX0444882	600	25	142	<0.1	550	0.3	12	<5
SIX0444883	900	19	137	<0.1	500	0.4	17	<5
SIX0444884	300	23	156	<0.1	450	0.4	12	<5
SIX0444885	200	19	164	<0.1	300	0.4	9	<5
SIX0444885 Rpt	200	19	166	<0.1	300	0.4	10	<5
SIX0444886	100	47	162	<0.1	550	0.3	7	<5
SIX0444887	50	129	131	<0.1	2450	0.3	7	<5
SIX0444888	50	86	131	<0.1	2000	0.3	8	<5
BLANK 4	<50	<1	0.4	<0.1	50	0.2	<1	<5
SIX0444889	100	59	127	<0.1	900	0.4	7	<5
SIX0444890	100	29	145	<0.1	150	0.3	9	<5
SIX0444891	100	45	114	<0.1	150	0.3	9	<5
Std Nominal	900	6730	205		9.37%	20.5	7	
Determined	850	6480	198	<0.1	9.03%	19.5	6	<5
SIX0444892	50	71	134	<0.1	950	0.5	7	<5
SIX0444893	150	26	117	<0.1	400	0.3	10	<5
SIX0444894	100	28	138	<0.1	500	0.4	9	<5
SIX0444895	200	31	123	<0.1	700	0.4	7	<5
SIX0444895Q	1050	24	234	<0.1	700	0.9	13	<5
SIX0444896	250	14	128	<0.1	250	0.3	14	<5
SIX0444897	150	19	120	<0.1	250	0.3	9	<5
SIX0444898	250	14	106	<0.1	250	0.4	16	<5
SIX0444899	200	17	102	<0.1	150	0.3	11	<5
SIX0444900	100	13	103	<0.1	100	0.3	7	<5
SIX0444901	100	13	111	<0.1	100	0.3	5	<5
SIX0444902	250	18	111	<0.1	250	0.3	11	<5
SIX0444903	200	23	101	<0.1	100	0.4	5	<5
SIX0444904	150	29	117	<0.1	250	0.3	11	<5
SIX0444905	250	23	122	<0.1	300	0.4	24	<5
SIX0444906	100	20	129	<0.1	100	0.3	6	<5
SIX0444907	100	39	136	<0.1	250	0.3	5	<5
SIX0444908	200	24	116	<0.1	250	0.4	14	<5
SIX0444909	100	26	122	<0.1	300	0.4	12	<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
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	600	536	579	<0.1	2.07%	11.7	14	<5
SIX0444910	100	21	136	<0.1	250	0.3	8	<5
SIX0444911	50	19	142	<0.1	100	0.3	7	<5
SIX0444912	100	32	159	<0.1	300	0.3	9	<5
SIX0444913	100	30	165	<0.1	150	0.3	7	<5
SIX0444914	100	19	177	<0.1	150	0.3	7	<5
SIX0444915	100	19	200	<0.1	200	0.7	7	<5
SIX0444916	100	13	162	<0.1	100	0.4	6	<5
Std Nominal	100	18	88.0	<0.1	<50	<0.1	3	<5
Determined	100	16	88.2	<0.1	100	<0.1	3	<5
SIX0444917	100	20	157	<0.1	100	0.4	7	<5
SIX0444918	150	14	99.6	<0.1	400	0.4	20	<5
SIX0444919	200	17	172	<0.1	300	0.4	12	<5
SIX0444920	<50	31	167	<0.1	150	0.3	8	<5
SIX0444920 Rpt	100	31	167	<0.1	100	0.4	8	<5
SIX0444920Q	2500	4	36.6	<0.1	500	0.4	19	<5
SIX0444921	100	32	182	<0.1	100	0.3	8	<5
SIX0444922	100	21	122	<0.1	200	0.3	6	<5
SIX0444923	100	29	171	<0.1	100	0.3	6	<5
SIX0444924	100	19	159	<0.1	350	0.4	6	<5
SIX0444925	200	22	114	<0.1	450	0.3	13	<5
SIX0444926	250	18	96.8	<0.1	450	0.3	14	<5
SIX0444927	200	20	113	<0.1	300	0.3	11	<5
SIX0444928	150	22	120	<0.1	150	0.4	9	<5
SIX0444929	150	14	109	<0.1	200	0.3	7	<5
Std Nominal	1050	18	115	0.1	2.39%	5.6	8	<5
Determined	1050	19	110	0.1	2.42%	5.7	8	<5
SIX0444930	200	15	79.8	<0.1	300	0.3	6	<5
SIX0444931	250	12	46.0	<0.1	350	0.4	8	<5
SIX0444932	400	17	56.0	<0.1	750	0.4	23	<5
SIX0444932 Rpt	400	17	55.6	<0.1	700	0.4	23	<5
SIX0444933	100	12	114	<0.1	100	0.3	7	<5
SIX0444934	200	8	87.4	<0.1	200	0.3	13	<5
SIX0444935	200	32	144	<0.1	400	0.3	7	<5
SIX0444936	250	45	152	<0.1	1400	0.3	6	<5
BLANK 5	<50	<1	0.4	<0.1	50	0.2	<1	<5
SIX0444937	<50	135	102	<0.1	450	0.3	4	<5
SIX0444938	<50	41	176	<0.1	650	0.3	6	<5
Std Nominal	1000	23	184	<0.1	3550	0.9	13	<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	1000	23	189	<0.1	3500	1.1	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
SIX0444359	5.9	137	0.9	<0.2	15.0	3000	1.0	2.3
SIX0444359Q	2.3	303	0.5	<0.2	2.7	2050	25.8	6.0
SIX0444360	2.5	110	0.4	<0.2	35.6	2350	0.8	2.3
SIX0444361	2.1	102	0.4	<0.2	84.4	1450	0.8	4.1
SIX0444362	3.4	74.0	0.7	<0.2	50.9	1650	0.9	4.4
Std Nominal	1.6	262			8.9	1600	39.4	11.9
Determined	1.7	257	0.4	0.4	8.5	1600	39.6	12.0
SIX0444363	3.9	71.0	0.7	<0.2	35.6	2950	0.9	3.7
SIX0444364	2.8	83.0	0.6	<0.2	28.5	2400	0.9	2.7
SIX0444365	3.5	64.0	0.9	<0.2	30.9	1600	0.8	3.1
SIX0444366	4.4	66.0	1.1	<0.2	25.7	2000	0.9	3.6
SIX0444367	3.2	73.0	0.7	<0.2	28.6	1500	0.8	3.2
SIX0444368	3.6	71.0	1.0	<0.2	28.6	1750	0.8	2.8
SIX0444369	3.9	69.5	1.1	<0.2	30.6	1600	0.8	3.4
SIX0444369 Rpt	4.0	71.5	1.1	<0.2	29.2	1650	0.8	3.4
SIX0444370	6.6	38.0	1.6	<0.2	21.0	1700	0.9	4.3
SIX0444371	5.7	32.0	1.1	<0.2	22.2	1400	0.7	3.5
SIX0444372	5.9	33.0	1.1	<0.2	23.6	1300	0.6	4.8
SIX0444373	4.1	51.5	1.0	<0.2	26.4	1300	0.7	8.2
SIX0444374	4.0	55.0	1.0	<0.2	28.4	1350	0.7	5.2
SIX0444375	5.5	44.0	1.3	<0.2	26.5	1600	0.8	4.4
SIX0444376	5.9	35.0	1.3	<0.2	18.4	1600	0.8	3.2
SIX0444377	4.9	43.5	1.2	<0.2	19.4	1400	0.6	4.3
SIX0444378	4.3	51.5	0.9	<0.2	24.5	1400	0.7	3.5
Std Nominal		104				5100		
Determined	2.7	105	0.3	<0.2	3.6	5250	6.3	0.9
SIX0444379	3.8	59.0	1.1	<0.2	26.7	1800	0.8	3.2
SIX0444380	2.8	84.0	0.7	<0.2	31.4	1900	0.7	3.3
SIX0444381	2.7	83.0	0.8	<0.2	30.2	1950	0.7	4.4
SIX0444382	2.8	78.5	0.9	<0.2	31.5	1650	0.8	2.2
SIX0444383	3.1	69.0	0.8	<0.2	26.1	1600	0.7	1.9
SIX0444384	4.4	113	1.1	<0.2	35.0	3450	0.8	3.3
SIX0444384 Rpt	4.3	113	1.1	<0.2	35.0	3550	0.8	3.4
SIX0444384Q	2.4	327	0.7	<0.2	3.4	2100	25.5	5.7
SIX0444385	4.8	164	1.0	<0.2	37.5	5350	0.9	4.1
SIX0444386	5.3	216	1.2	<0.2	39.2	6500	0.9	3.7
SIX0444387	4.4	147	0.8	<0.2	32.6	4450	0.8	3.3
SIX0444388	3.5	82.5	1.0	<0.2	25.8	2300	0.7	3.8
SIX0444389	3.1	67.0	0.9	<0.2	26.7	1450	0.8	3.5
SIX0444390	3.6	59.5	1.1	<0.2	25.7	1400	0.9	3.7



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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
SIX0444391	2.9	73.5	0.8	<0.2	27.9	1000	0.7	6.1
SIX0444392	2.6	60.0	0.7	<0.2	33.0	1300	0.8	4.4
SIX0444393	2.4	59.0	0.6	<0.2	26.2	1300	0.8	3.2
SIX0444394	1.9	56.5	0.4	<0.2	29.3	1050	0.8	3.5
SIX0444395	1.4	46.0	0.4	<0.2	24.6	850	0.8	5.2
Std Nominal	0.7	124	0.6	<0.2	5.6	2400	0.4	39.6
Determined	0.8	127	0.5	<0.2	5.8	2350	0.5	38.6
SIX0444396	1.4	43.5	0.2	<0.2	27.8	800	0.7	6.3
SIX0444397	1.2	49.5	0.2	<0.2	29.5	400	0.6	6.2
SIX0444398	0.9	62.0	0.1	<0.2	10.5	1500	0.5	2.1
SIX0444399	1.5	106	0.1	<0.2	1.9	7700	0.1	0.4
SIX0444400	0.8	56.5	0.1	<0.2	17.8	750	0.5	3.4
SIX0444401	1.0	55.0	0.2	<0.2	13.3	350	1.1	2.8
SIX0444402	1.5	60.5	0.4	<0.2	27.7	1150	1.0	3.1
SIX0444403	0.9	70.0	0.2	<0.2	23.1	350	0.8	3.6
SIX0444404	1.2	72.0	0.3	<0.2	17.8	850	0.9	1.8
SIX0444405	1.2	86.5	0.3	<0.2	35.4	750	0.9	2.7
Std Nominal	7.0	222	0.8	1.0	12.2	3200	0.4	30.8
Determined	7.2	215	0.8	1.4	11.7	3200	0.5	30.7
SIX0444406	1.8	63.5	0.8	0.2	27.9	1100	0.9	3.3
SIX0444407	2.5	76.5	0.7	0.2	64.2	1350	1.0	3.9
SIX0444408	2.4	58.5	0.7	<0.2	36.7	1300	0.9	3.5
SIX0444409	1.6	57.0	0.5	<0.2	27.7	850	0.6	4.0
SIX0444409Q	5.9	151	1.2	3.4	14.3	1450	4.1	4.9
SIX0444410	1.9	62.0	0.6	0.2	36.9	1000	0.8	3.1
SIX0444411	1.5	63.0	0.2	0.4	31.8	650	0.7	3.1
SIX0444412	2.2	73.5	0.7	<0.2	42.1	800	0.8	3.5
SIX0444413	0.8	31.0	0.1	<0.2	15.2	250	0.5	2.9
SIX0444414	2.8	68.0	1.1	<0.2	29.2	1250	0.8	3.8
SIX0444415	4.5	60.0	0.8	<0.2	23.5	1000	0.7	5.1
SIX0444416	1.5	58.0	0.3	<0.2	22.5	500	0.7	5.2
SIX0444417	2.0	71.0	0.5	<0.2	33.7	950	0.7	3.3
SIX0444418	3.1	64.5	0.6	<0.2	30.2	1500	0.8	3.5
SIX0444419	3.1	100	0.6	<0.2	106	1600	0.9	5.8
SIX0444420	4.9	174	1.2	<0.2	32.8	4800	0.7	2.8
BLANK 2	0.2	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444421	5.0	163	0.9	<0.2	30.9	3400	0.8	3.0
SIX0444422	5.2	129	1.0	<0.2	89.5	3550	1.0	8.1
SIX0444423	1.0	73.5	0.1	<0.2	18.5	300	0.8	3.8
SIX0444423 Rpt	0.8	72.0	0.1	<0.2	16.9	250	0.8	3.6
SIX0444424	1.3	95.5	0.1	<0.2	34.0	750	0.7	4.4



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
SIX0444425	5.6	104	0.9	<0.2	55.1	2850	0.8	6.2
Std Nominal	5.6	338	1.4	<0.2	18.0	4650	0.9	4.9
Determined	5.4	352	1.4	<0.2	18.5	4600	1.0	5.0
SIX0444426	5.3	82.5	0.9	<0.2	60.9	1850	1.1	7.3
SIX0444427	2.2	91.0	0.4	<0.2	34.7	1150	0.8	2.9
SIX0444428	6.0	150	1.5	<0.2	28.7	4300	0.8	5.4
SIX0444429	3.1	89.5	0.6	<0.2	35.7	1800	0.8	4.6
SIX0444430	3.2	97.5	0.8	<0.2	42.2	2950	1.3	5.4
SIX0444431	2.6	105	0.8	<0.2	37.4	3200	0.9	3.3
SIX0444432	2.4	72.0	0.3	<0.2	12.7	1500	0.7	3.6
SIX0444432 Rpt	2.3	71.5	0.3	<0.2	12.6	1450	0.7	3.4
SIX0444433	1.2	86.5	0.3	<0.2	23.0	750	1.0	2.4
SIX0444434	2.1	82.0	0.5	<0.2	42.4	1750	0.9	2.1
SIX0444434Q	4.3	302	1.8	<0.2	22.8	5100	1.1	6.5
SIX0444435	1.2	70.0	0.1	<0.2	68.9	450	1.0	4.0
SIX0444436	2.8	86.5	0.6	<0.2	21.3	2300	0.7	2.8
SIX0444437	2.7	93.5	0.6	<0.2	59.3	2200	0.9	3.7
Std Nominal	1.6	262			8.9	1600	39.4	11.9
Determined	1.6	252	0.5	0.2	8.6	1600	39.1	11.4
SIX0444438	2.7	95.0	0.6	<0.2	41.1	2000	0.9	4.8
SIX0444439	3.5	107	0.6	<0.2	25.1	3400	0.6	7.1
SIX0444440	1.4	66.5	0.2	<0.2	36.6	800	0.8	4.1
SIX0444441	1.2	103	0.1	<0.2	14.7	300	0.9	3.0
SIX0444442	2.1	105	0.3	<0.2	11.2	1050	0.8	2.3
SIX0444443	1.3	107	0.2	<0.2	9.4	550	1.4	2.0
SIX0444444	5.0	78.0	0.7	<0.2	28.8	2450	1.4	3.0
SIX0444445	6.8	154	0.5	<0.2	3.7	8200	0.7	1.2
SIX0444446	11.0	123	0.4	<0.2	2.1	7900	0.9	0.9
Std Nominal		104				5100		
Determined	2.6	109	0.3	<0.2	2.9	5100	6.4	0.9
SIX0444447	9.6	104	1.5	<0.2	7.8	6000	1.7	2.1
SIX0444448	5.9	103	1.5	<0.2	21.2	5000	1.6	2.5
SIX0444449	1.2	69.0	0.1	<0.2	68.0	500	0.8	4.8
SIX0444450	4.9	116	0.4	<0.2	21.9	5650	0.7	2.3
SIX0444451	5.8	142	0.6	<0.2	5.9	7600	0.6	3.0
SIX0444452	1.7	182	0.3	<0.2	2.8	6900	0.1	0.5
SIX0444453	1.9	173	0.4	<0.2	2.8	7000	0.2	0.5
SIX0444453 Rpt	1.9	175	0.3	<0.2	2.8	7050	0.2	0.5
SIX0444454	2.3	167	0.3	<0.2	2.7	6950	0.2	0.6
BLANK 3	0.2	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444455	2.3	175	0.3	<0.2	3.0	7250	0.3	0.6



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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
SIX0444842	3.5	178	0.2	<0.2	2.3	6150	0.7	0.6
SIX0444843	6.1	124	0.9	<0.2	36.1	4250	0.9	3.4
SIX0444844	3.8	95.5	1.0	<0.2	61.0	2650	1.0	4.9
SIX0444845	2.8	97.0	0.3	<0.2	18.5	2050	0.8	2.8
SIX0444845Q	3.6	135	1.2	<0.2	14.4	1250	10.2	5.6
SIX0444846	0.8	77.5	0.2	<0.2	13.3	250	0.7	4.9
SIX0444847	3.7	66.5	1.8	<0.2	14.5	2350	1.1	9.0
SIX0444848	5.2	81.0	0.5	<0.2	25.4	2850	0.9	3.9
SIX0444849	2.5	101	0.5	<0.2	48.7	2700	0.8	4.4
SIX0444850	3.0	105	1.1	<0.2	45.2	2550	0.9	5.9
Std Nominal	0.7	124	0.6	<0.2	5.6	2400	0.4	39.6
Determined	0.8	128	0.6	<0.2	5.5	2400	0.5	40.3
SIX0444851	5.5	127	1.3	<0.2	35.7	3850	0.9	3.8
SIX0444852	5.4	94.0	1.1	<0.2	38.4	2700	1.0	2.9
SIX0444853	4.6	48.5	1.0	<0.2	22.1	1850	0.8	3.6
SIX0444854	3.5	51.0	0.8	<0.2	24.8	1250	0.8	2.8
SIX0444855	2.2	56.5	0.4	<0.2	21.9	750	0.7	2.1
SIX0444856	4.8	89.0	1.1	<0.2	39.3	2400	0.8	3.1
SIX0444857	6.3	110	1.4	<0.2	60.5	4150	1.0	4.8
SIX0444858	3.5	59.5	0.7	<0.2	28.6	1400	0.7	2.5
SIX0444859	4.5	90.5	1.0	<0.2	31.6	2250	0.7	3.2
SIX0444860	3.7	109	0.9	<0.2	27.3	2400	0.7	2.9
SIX0444861	3.0	75.5	0.6	<0.2	31.7	1250	0.7	2.8
SIX0444861 Rpt	3.1	78.5	0.7	<0.2	32.8	1300	0.7	3.0
SIX0444862	2.1	71.0	0.4	<0.2	27.5	950	0.7	3.5
SIX0444863	1.5	78.0	0.5	<0.2	26.4	1050	0.7	2.1
SIX0444864	1.9	82.5	0.5	<0.2	50.0	1150	0.7	3.3
SIX0444865	1.9	72.0	0.4	<0.2	20.8	800	0.7	2.6
SIX0444866	1.3	89.0	0.2	<0.2	21.0	2050	0.7	2.1
SIX0444867	2.9	106	0.6	<0.2	32.7	2000	0.6	3.5
Std Nominal	7.0	222	0.8	1.0	12.2	3200	0.4	30.8
Determined	7.1	213	0.9	1.0	12.0	3200	0.5	30.3
SIX0444868	3.1	101	0.7	<0.2	28.1	1500	0.7	3.0
SIX0444869	0.9	115	0.1	<0.2	30.5	400	0.8	1.9
SIX0444870	1.2	84.5	0.4	<0.2	35.4	850	0.7	3.2
SIX0444870Q	1.9	810	3.0	<0.2	4.5	1.24%	0.1	1.4
SIX0444871	3.3	73.5	1.1	<0.2	21.6	2650	1.5	3.9
SIX0444872	3.0	62.5	0.7	<0.2	34.6	1300	1.2	3.7
SIX0444873	4.1	71.0	1.4	<0.2	19.6	3550	1.0	3.7
SIX0444874	2.9	73.5	1.0	<0.2	26.0	1950	1.0	3.5
SIX0444875	3.5	62.5	1.0	<0.2	40.2	3250	0.9	3.4



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
Std Nominal	5.6	338	1.4	<0.2	18.0	4650	0.9	4.9
Determined	5.4	332	1.3	<0.2	17.9	4800	1.0	4.8
SIX0444876	5.3	108	1.4	<0.2	8.3	6350	0.9	3.2
SIX0444877	4.8	101	1.2	<0.2	16.2	6000	0.7	4.7
SIX0444878	4.0	97.0	0.8	<0.2	12.2	5100	0.6	2.4
SIX0444879	2.5	127	0.5	<0.2	5.2	3100	0.2	1.1
SIX0444880	5.2	165	0.9	<0.2	5.9	3200	0.7	1.6
SIX0444881	4.5	142	0.7	<0.2	15.2	3850	0.3	2.3
SIX0444882	3.1	129	0.8	<0.2	16.6	2800	0.7	2.0
SIX0444883	3.7	108	0.9	<0.2	15.6	3500	0.7	2.4
SIX0444884	3.7	81.5	0.8	<0.2	23.4	2650	0.7	3.1
SIX0444885	5.1	64.0	1.0	<0.2	25.9	2050	0.7	3.1
SIX0444885 Rpt	5.1	67.0	1.0	<0.2	24.7	2100	0.7	3.2
SIX0444886	5.1	66.0	1.3	<0.2	26.3	1400	0.7	4.3
SIX0444887	4.0	65.5	1.2	<0.2	25.8	1350	0.6	3.9
SIX0444888	3.7	66.0	0.9	<0.2	27.1	1350	0.6	3.3
BLANK 4	0.2	<0.5	<0.1	<0.2	0.2	<50	<0.1	<0.1
SIX0444889	3.8	66.0	1.1	<0.2	27.0	1350	0.6	3.5
SIX0444890	4.2	72.5	1.2	<0.2	25.0	1600	0.7	3.5
SIX0444891	3.7	76.0	1.1	<0.2	26.5	1600	0.7	2.8
Std Nominal	1.6	262			8.9	1600	39.4	11.9
Determined	1.6	255	0.5	<0.2	8.7	1650	38.6	12.1
SIX0444892	3.9	76.0	1.2	<0.2	24.2	1500	1.0	3.4
SIX0444893	4.9	103	1.2	<0.2	22.5	2100	0.7	2.8
SIX0444894	4.0	81.0	1.1	<0.2	24.2	1800	0.7	3.1
SIX0444895	5.1	64.5	1.0	<0.2	24.8	1850	0.6	3.9
SIX0444895Q	4.5	308	1.7	<0.2	22.8	5100	1.3	6.9
SIX0444896	3.9	66.0	0.7	<0.2	19.1	2800	0.7	2.3
SIX0444897	3.6	60.5	1.0	<0.2	24.2	2000	0.7	3.3
SIX0444898	4.2	72.0	0.9	<0.2	16.0	3200	0.6	2.4
SIX0444899	4.7	77.5	1.1	<0.2	20.7	2350	0.6	3.3
SIX0444900	3.6	70.5	1.1	<0.2	21.6	1500	0.6	3.4
SIX0444901	3.3	61.0	1.0	<0.2	20.7	1250	0.6	2.4
SIX0444902	3.6	65.0	1.0	<0.2	30.8	2700	0.7	3.7
SIX0444903	4.0	69.5	0.9	<0.2	69.9	1650	0.6	5.4
SIX0444904	3.5	67.5	0.8	<0.2	22.9	2350	0.7	2.5
SIX0444905	4.0	65.5	0.9	<0.2	13.6	4000	0.7	2.8
SIX0444906	3.5	58.5	0.7	<0.2	21.8	1400	0.7	2.5
SIX0444907	4.1	57.5	1.0	<0.2	23.1	1400	0.7	3.1
SIX0444908	4.1	88.0	1.0	<0.2	22.6	2850	0.6	2.7
SIX0444909	3.9	79.5	1.2	<0.2	19.4	2100	0.6	3.3



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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
Std Nominal		104				5100		
Determined	3.3	106	0.4	<0.2	3.3	4950	6.7	0.9
SIX0444910	3.5	72.0	0.9	<0.2	22.7	1500	0.7	2.8
SIX0444911	3.7	70.5	1.2	<0.2	26.0	1450	0.7	3.5
SIX0444912	4.3	67.5	1.2	<0.2	26.6	1650	0.7	3.7
SIX0444913	4.9	65.0	1.1	<0.2	37.8	1500	0.7	3.5
SIX0444914	4.3	68.0	1.0	<0.2	88.5	1550	0.8	3.5
SIX0444915	4.5	60.5	1.0	<0.2	40.5	1400	1.5	3.0
SIX0444916	5.4	53.5	0.9	<0.2	23.8	1250	0.9	3.0
Std Nominal	0.7	124	0.6	<0.2	5.6	2400	0.4	39.6
Determined	0.8	128	0.5	<0.2	5.6	2400	0.6	39.2
SIX0444917	4.3	68.0	0.9	<0.2	28.0	1350	0.8	3.0
SIX0444918	2.7	85.5	0.5	<0.2	16.8	2950	0.6	1.8
SIX0444919	3.8	78.5	1.1	<0.2	36.6	3050	0.8	2.9
SIX0444920	3.3	63.5	0.9	<0.2	25.3	1400	0.8	2.7
SIX0444920 Rpt	3.5	64.0	0.9	<0.2	26.6	1400	0.8	2.6
SIX0444920Q	2.2	778	2.7	<0.2	4.6	1.21%	<0.1	1.5
SIX0444921	3.3	68.0	1.0	<0.2	26.4	1400	0.8	3.1
SIX0444922	2.6	70.0	0.5	<0.2	31.4	1400	0.6	2.1
SIX0444923	3.9	68.0	0.8	<0.2	29.3	1400	0.8	2.9
SIX0444924	4.9	56.5	0.7	<0.2	26.2	1350	0.7	2.5
SIX0444925	3.9	87.0	0.9	<0.2	21.6	2650	0.7	2.5
SIX0444926	2.8	90.0	0.8	<0.2	32.5	2850	0.6	3.2
SIX0444927	3.9	85.5	0.7	<0.2	37.0	2250	0.6	2.5
SIX0444928	5.2	85.0	1.2	<0.2	41.2	2000	0.7	4.2
SIX0444929	4.8	75.5	0.9	<0.2	22.1	2000	0.6	3.2
Std Nominal	7.0	222	0.8	1.0	12.2	3200	0.4	30.8
Determined	7.2	228	0.9	0.8	12.3	3200	0.3	31.4
SIX0444930	6.4	106	1.0	<0.2	27.0	1650	0.3	4.1
SIX0444931	6.0	121	1.3	<0.2	18.8	2000	0.2	3.9
SIX0444932	4.0	106	0.7	<0.2	7.3	4550	0.2	2.6
SIX0444932 Rpt	3.8	107	0.8	<0.2	7.1	4550	0.2	2.5
SIX0444933	3.5	111	0.5	<0.2	18.5	1400	0.6	2.2
SIX0444934	3.1	112	0.6	<0.2	13.0	2700	0.3	1.4
SIX0444935	3.6	96.5	0.9	<0.2	49.8	1900	0.8	3.0
SIX0444936	4.1	83.0	1.2	<0.2	105	1500	0.8	5.7
BLANK 5	0.2	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444937	4.4	121	1.1	<0.2	23.1	1200	0.7	4.4
SIX0444938	5.1	107	1.3	<0.2	14.2	1350	0.9	2.9
Std Nominal	5.6	338	1.4	<0.2	18.0	4650	0.9	4.9



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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	5.6	351	1.3	<0.2	18.1	4650	1.0	4.8



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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	0.2	<0.05
SIX0444359	95	3.0	49.0	144	48	25.9	53.8	6.65
SIX0444359Q	30	21.5	21.3	1.10%	106	10.2	29.5	5.10
SIX0444360	40	1.5	37.6	86	90	66.8	122	14.6
SIX0444361	15	1.0	33.2	52	134	137	249	28.4
SIX0444362	15	1.0	36.5	100	192	102	178	20.0
Std Nominal	80	2.5	18.2	4.92%	106		48.5	6.45
Determined	80	3.0	18.2	4.85%	104	20.1	47.3	6.25
SIX0444363	50	1.0	47.4	108	198	76.2	135	16.1
SIX0444364	40	1.0	48.4	198	128	64.7	116	13.7
SIX0444365	5	<0.5	69.1	84	218	70.2	124	14.8
SIX0444366	25	11.0	52.4	80	216	55.7	101	11.9
SIX0444367	<5	1.0	50.7	64	204	64.0	116	13.8
SIX0444368	10	1.0	62.7	66	196	68.6	123	14.5
SIX0444369	<5	1.0	71.5	68	216	69.7	127	15.0
SIX0444369 Rpt	<5	1.0	73.1	68	216	68.9	123	14.7
SIX0444370	10	3.0	46.2	146	268	56.2	99.8	11.6
SIX0444371	<5	1.0	46.6	108	262	57.8	101	11.9
SIX0444372	<5	<0.5	82.6	112	246	68.2	120	14.0
SIX0444373	<5	1.0	76.6	72	224	56.8	106	12.7
SIX0444374	5	<0.5	61.9	82	204	62.7	116	14.4
SIX0444375	5	1.0	65.3	110	244	67.1	122	14.7
SIX0444376	<5	1.0	37.4	130	266	51.3	89.5	10.3
SIX0444377	<5	1.0	45.4	96	238	53.9	96.0	11.2
SIX0444378	5	1.0	69.7	80	216	60.0	113	13.4
Std Nominal	115		16.0	5190				
Determined	115	3.0	16.3	5190	96	10.9	20.9	2.75
SIX0444379	15	1.0	51.4	102	196	60.9	110	13.4
SIX0444380	15	3.0	42.2	76	170	59.6	113	13.4
SIX0444381	20	1.0	33.1	68	160	47.5	88.9	10.5
SIX0444382	5	<0.5	42.0	62	184	73.6	132	16.0
SIX0444383	<5	<0.5	36.9	66	192	70.0	127	15.1
SIX0444384	40	1.0	73.7	88	132	80.0	146	17.6
SIX0444384 Rpt	40	1.0	73.1	86	130	79.4	145	17.4
SIX0444384Q	30	21.0	22.0	1.10%	114	10.5	33.6	6.10
SIX0444385	80	7.0	92.3	114	82	93.4	168	20.1
SIX0444386	110	1.5	106	114	88	101	185	22.7
SIX0444387	75	1.0	72.4	94	90	70.9	132	16.0
SIX0444388	35	1.0	50.9	88	158	57.8	108	13.0
SIX0444389	<5	<0.5	65.3	56	220	69.6	127	15.1
SIX0444390	<5	<0.5	62.5	56	242	66.4	122	14.5



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444391	<5	<0.5	68.6	46	176	63.8	113	13.7
SIX0444392	<5	<0.5	51.5	52	188	58.6	108	13.2
SIX0444393	<5	<0.5	33.7	48	184	52.4	94.0	11.4
SIX0444394	<5	<0.5	48.6	40	144	53.6	98.9	11.8
SIX0444395	<5	<0.5	40.1	34	106	41.2	78.0	9.20
Std Nominal	20		10.1	14		20.3	44.5	5.20
Determined	20	<0.5	10.4	14	42	21.0	45.6	5.40
SIX0444396	<5	<0.5	45.2	28	108	44.3	81.6	9.50
SIX0444397	<5	<0.5	58.4	14	40	42.1	80.1	9.50
SIX0444398	35	<0.5	46.5	30	36	16.1	29.0	3.55
SIX0444399	195	1.0	23.0	138	16	5.7	11.4	1.75
SIX0444400	15	<0.5	43.0	22	46	25.2	50.2	5.70
SIX0444401	<5	1.0	27.9	12	42	19.4	34.1	4.15
SIX0444402	10	<0.5	33.1	36	132	42.1	76.3	9.05
SIX0444403	<5	1.0	23.3	12	62	31.8	61.8	7.15
SIX0444404	<5	<0.5	12.7	24	116	31.2	60.4	6.85
SIX0444405	<5	<0.5	19.3	22	90	55.8	101	11.7
Std Nominal	105	85.0	19.5	68		144	154	13.1
Determined	105	81.0	19.5	68	176	141	151	13.2
SIX0444406	<5	1.5	32.6	42	186	55.8	102	11.9
SIX0444407	10	2.0	44.6	52	162	95.3	177	20.6
SIX0444408	<5	1.0	50.3	54	236	68.8	129	15.1
SIX0444409	<5	1.0	43.0	36	154	48.4	88.6	10.3
SIX0444409Q	20	3.5	13.9	1.01%	168	38.0	76.3	9.15
SIX0444410	<5	1.0	42.5	54	154	55.3	101	11.7
SIX0444411	<5	<0.5	27.0	24	98	30.7	62.3	7.20
SIX0444412	<5	<0.5	49.7	44	146	31.9	70.5	8.00
SIX0444413	<5	<0.5	25.1	12	44	18.9	38.0	4.50
SIX0444414	<5	<0.5	58.6	68	196	62.7	117	14.1
SIX0444415	<5	2.0	49.0	58	176	50.1	92.7	10.9
SIX0444416	<5	<0.5	36.6	22	100	31.1	61.2	6.90
SIX0444417	10	<0.5	38.8	38	146	45.8	85.7	9.90
SIX0444418	30	1.0	60.3	84	124	53.7	97.9	11.2
SIX0444419	15	<0.5	90.5	46	164	117	214	25.2
SIX0444420	85	1.0	72.2	100	110	81.8	151	18.3
BLANK 2	<5	<0.5	<0.1	6	<2	0.1	0.3	<0.05
SIX0444421	50	<0.5	60.4	78	98	76.3	141	16.4
SIX0444422	65	1.0	137	82	108	110	216	25.8
SIX0444423	<5	<0.5	63.5	10	56	20.6	39.5	4.40
SIX0444423 Rpt	<5	<0.5	63.1	10	56	20.2	37.7	4.30
SIX0444424	20	<0.5	49.5	16	58	29.0	58.2	6.75



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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
SIX0444425	65	1.0	59.3	64	58	55.2	108	12.5
Std Nominal	120	3.5	24.6	88	76	33.0	68.0	7.90
Determined	120	4.0	24.2	92	78	34.5	66.6	7.75
SIX0444426	40	1.0	54.3	44	42	51.2	98.9	11.6
SIX0444427	20	<0.5	33.2	30	60	43.9	80.2	9.30
SIX0444428	75	1.0	75.0	96	116	75.5	140	16.3
SIX0444429	30	<0.5	71.3	44	94	53.4	98.9	11.4
SIX0444430	50	<0.5	68.9	56	114	66.2	120	14.1
SIX0444431	70	<0.5	50.0	62	78	55.0	103	11.8
SIX0444432	45	<0.5	26.5	34	46	13.6	25.1	3.15
SIX0444432 Rpt	45	<0.5	26.0	34	48	13.2	24.4	3.05
SIX0444433	15	<0.5	14.7	16	44	22.5	42.7	4.80
SIX0444434	35	<0.5	32.9	40	60	51.4	94.1	11.1
SIX0444434Q	110	4.0	27.7	68	96	43.0	82.4	9.80
SIX0444435	<5	<0.5	13.7	14	44	62.2	114	13.4
SIX0444436	65	1.0	28.1	48	54	27.2	55.2	6.30
SIX0444437	35	<0.5	39.6	44	74	60.5	112	13.2
Std Nominal	80	2.5	18.2	4.92%	106		48.5	6.45
Determined	80	3.0	18.4	4.72%	104	18.5	47.2	6.15
SIX0444438	30	<0.5	69.4	74	94	56.6	103	12.1
SIX0444439	85	1.5	35.5	62	52	25.5	52.0	6.15
SIX0444440	20	<0.5	48.6	20	52	33.1	65.9	7.60
SIX0444441	<5	<0.5	18.5	10	40	17.6	31.5	3.85
SIX0444442	20	<0.5	24.6	26	62	21.6	40.9	4.55
SIX0444443	10	1.0	12.7	16	50	14.4	24.5	2.85
SIX0444444	60	1.0	56.1	60	50	27.1	54.8	6.70
SIX0444445	190	1.5	42.3	122	34	12.7	28.0	4.10
SIX0444446	180	1.0	36.4	140	28	12.3	26.6	3.75
Std Nominal	115		16.0	5190				
Determined	110	2.5	16.2	5140	92	10.7	20.9	2.70
SIX0444447	150	1.0	105	144	34	16.2	37.5	5.25
SIX0444448	110	1.0	50.1	124	40	24.3	51.2	6.20
SIX0444449	10	<0.5	40.5	18	80	49.8	91.6	10.9
SIX0444450	130	1.0	44.0	86	44	23.5	51.1	6.25
SIX0444451	180	1.0	47.0	116	38	13.9	30.7	4.35
SIX0444452	160	1.0	27.6	96	18	10.3	21.7	3.05
SIX0444453	150	1.0	27.9	98	18	10.3	21.9	3.15
SIX0444453 Rpt	150	1.0	28.4	100	18	10.5	22.7	3.30
SIX0444454	155	1.0	28.7	100	20	10.9	22.9	3.30
BLANK 3	<5	<0.5	<0.1	<2	<2	0.1	0.2	<0.05
SIX0444455	160	1.5	30.1	96	20	11.0	22.8	3.25



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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
SIX0444842	140	1.0	26.6	106	20	9.1	19.6	2.85
SIX0444843	80	1.0	52.2	90	74	59.8	111	13.1
SIX0444844	35	<0.5	62.4	56	96	76.9	140	16.4
SIX0444845	45	<0.5	28.5	42	46	22.2	44.0	5.20
SIX0444845Q	10	4.5	15.6	3.17%	222	43.7	84.1	9.80
SIX0444846	<5	1.0	25.1	30	58	13.9	24.5	3.00
SIX0444847	50	1.5	49.4	54	50	16.7	32.9	4.00
SIX0444848	70	1.0	50.2	68	52	23.3	48.1	5.75
SIX0444849	55	<0.5	49.6	52	68	55.7	105	12.2
SIX0444850	60	1.0	41.6	56	72	49.8	90.7	10.5
Std Nominal	20		10.1	14		20.3	44.5	5.20
Determined	20	<0.5	9.7	14	40	20.4	44.5	5.40
SIX0444851	75	1.0	63.7	96	64	65.8	120	14.3
SIX0444852	40	<0.5	62.4	134	100	79.5	144	16.8
SIX0444853	25	<0.5	56.0	116	134	53.0	96.0	11.4
SIX0444854	10	<0.5	53.3	96	118	50.7	94.4	11.0
SIX0444855	<5	<0.5	44.1	38	80	34.1	66.0	7.65
SIX0444856	30	1.0	74.9	118	116	76.9	140	16.4
SIX0444857	55	1.0	139	116	102	117	220	26.5
SIX0444858	15	1.0	54.8	106	136	58.7	109	12.8
SIX0444859	35	1.0	94.2	92	114	59.0	111	13.2
SIX0444860	45	1.0	55.9	102	110	50.7	94.2	11.3
SIX0444861	10	2.5	43.6	48	150	58.0	104	12.4
SIX0444861 Rpt	10	2.5	43.2	50	152	60.4	109	12.9
SIX0444862	<5	<0.5	43.7	44	140	51.1	94.4	11.1
SIX0444863	<5	<0.5	32.5	34	124	40.8	75.5	9.05
SIX0444864	<5	1.0	40.0	56	174	64.8	125	14.3
SIX0444865	<5	1.0	45.6	46	132	34.5	64.6	7.55
SIX0444866	40	<0.5	21.9	46	50	28.7	56.4	6.40
SIX0444867	40	1.0	37.1	74	102	51.3	92.6	10.7
Std Nominal	105	85.0	19.5	68		144	154	13.1
Determined	105	88.0	19.2	68	158	139	147	13.1
SIX0444868	10	1.5	56.0	66	158	59.7	108	12.5
SIX0444869	<5	1.0	14.3	30	72	43.1	75.3	8.35
SIX0444870	<5	1.0	29.4	46	138	61.0	110	12.8
SIX0444870Q	195	1.0	19.1	106	200	30.8	61.5	7.10
SIX0444871	30	1.5	42.2	128	198	45.9	98.7	11.1
SIX0444872	<5	1.0	45.6	62	206	66.5	136	15.6
SIX0444873	80	1.5	39.5	104	162	40.5	89.1	10.2
SIX0444874	20	1.0	29.2	78	210	51.8	112	12.6
SIX0444875	45	1.0	41.3	160	194	65.5	135	15.1



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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
Std Nominal	120	3.5	24.6	88	76	33.0	68.0	7.90
Determined	120	4.5	24.4	90	76	34.4	67.2	8.05
SIX0444876	155	1.5	48.7	244	54	18.8	41.4	5.35
SIX0444877	150	2.0	54.1	186	44	25.0	54.1	7.00
SIX0444878	145	1.0	45.7	126	104	32.5	71.9	8.50
SIX0444879	75	1.0	35.0	170	38	18.9	39.8	5.15
SIX0444880	100	1.5	42.7	202	40	20.9	44.9	5.85
SIX0444881	110	1.5	45.1	234	44	39.2	83.1	9.40
SIX0444882	55	1.0	43.3	124	122	39.5	86.8	10.0
SIX0444883	80	1.0	61.1	126	112	42.5	94.4	10.9
SIX0444884	50	1.0	58.8	110	150	52.9	116	13.3
SIX0444885	25	1.0	45.9	72	182	62.9	128	14.7
SIX0444885 Rpt	25	1.0	46.7	74	178	60.9	130	14.7
SIX0444886	<5	<0.5	69.0	154	242	66.3	141	15.9
SIX0444887	<5	<0.5	74.8	626	236	66.6	135	15.1
SIX0444888	<5	<0.5	70.8	448	218	69.3	140	15.9
BLANK 4	<5	<0.5	<0.1	<2	<2	0.1	0.3	<0.05
SIX0444889	<5	1.0	81.7	260	250	73.6	148	16.8
SIX0444890	5	1.0	80.1	94	240	61.7	130	14.9
SIX0444891	10	1.0	77.0	114	198	69.7	140	15.7
Std Nominal	80	2.5	18.2	4.92%	106		48.5	6.45
Determined	75	3.0	17.6	4.87%	104	18.6	47.5	6.20
SIX0444892	5	1.0	56.1	412	224	60.8	129	14.7
SIX0444893	30	1.0	48.5	114	202	43.2	95.4	11.3
SIX0444894	20	1.0	42.1	102	188	57.7	123	14.2
SIX0444895	20	1.0	69.1	158	130	52.8	118	13.7
SIX0444895Q	110	2.5	29.2	72	100	44.5	83.0	9.90
SIX0444896	70	1.5	51.4	98	130	46.7	100	11.6
SIX0444897	25	1.0	50.7	78	152	57.0	121	13.7
SIX0444898	85	1.5	45.6	98	116	37.9	83.5	9.50
SIX0444899	40	1.5	58.5	124	192	47.3	106	12.2
SIX0444900	10	1.5	49.7	76	216	52.9	116	13.1
SIX0444901	<5	1.0	43.1	54	154	51.8	110	12.4
SIX0444902	55	1.0	54.9	80	124	78.8	152	16.8
SIX0444903	15	1.0	73.3	56	200	163	314	34.2
SIX0444904	40	1.0	47.3	86	124	56.8	120	13.3
SIX0444905	125	1.5	37.6	142	86	33.5	69.8	8.35
SIX0444906	5	<0.5	52.9	62	176	56.7	119	13.4
SIX0444907	5	2.5	63.7	72	150	60.6	122	13.8
SIX0444908	60	1.0	65.5	108	152	52.7	114	13.1
SIX0444909	40	1.5	65.6	114	158	45.0	97.9	11.0



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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
Std Nominal	115		16.0	5190				
Determined	115	2.5	16.6	5220	90	11.0	23.4	2.90
SIX0444910	10	<0.5	88.4	82	188	62.3	124	14.1
SIX0444911	<5	<0.5	82.9	60	222	61.7	130	14.9
SIX0444912	10	1.0	88.0	122	234	62.9	136	15.5
SIX0444913	<5	<0.5	65.5	88	226	78.9	154	17.4
SIX0444914	15	<0.5	32.1	66	164	104	205	23.2
SIX0444915	<5	1.0	47.0	60	200	67.2	134	15.5
SIX0444916	<5	1.0	55.8	62	210	54.0	117	13.4
Std Nominal	20		10.1	14		20.3	44.5	5.20
Determined	20	1.0	9.8	12	48	20.0	44.1	5.15
SIX0444917	<5	1.0	66.3	58	206	61.7	132	14.8
SIX0444918	95	1.0	51.6	74	96	37.3	81.9	9.30
SIX0444919	50	1.0	44.4	86	124	83.7	194	20.0
SIX0444920	<5	<0.5	96.5	82	218	58.8	125	14.3
SIX0444920 Rpt	<5	<0.5	95.8	80	220	60.8	127	15.0
SIX0444920Q	195	1.0	19.0	108	212	28.6	58.7	7.25
SIX0444921	<5	<0.5	93.1	76	218	60.5	130	14.7
SIX0444922	<5	<0.5	26.2	60	146	56.8	122	14.3
SIX0444923	<5	<0.5	52.8	70	212	58.5	126	14.1
SIX0444924	<5	<0.5	27.4	62	184	60.7	126	14.3
SIX0444925	45	1.0	52.4	148	154	49.4	111	12.4
SIX0444926	75	1.0	38.6	78	86	61.8	132	15.3
SIX0444927	40	<0.5	50.4	82	96	67.8	148	17.0
SIX0444928	20	<0.5	90.5	120	136	88.0	183	21.3
SIX0444929	30	1.0	62.4	116	186	55.8	119	13.0
Std Nominal	105	85.0	19.5	68		144	154	13.1
Determined	110	85.0	19.0	70	182	141	154	13.6
SIX0444930	15	2.0	76.6	100	176	71.7	146	16.6
SIX0444931	30	4.0	55.9	144	108	54.5	122	14.4
SIX0444932	130	2.0	42.5	114	58	19.7	43.5	5.50
SIX0444932 Rpt	130	2.0	42.3	114	58	19.7	43.3	5.55
SIX0444933	10	<0.5	47.4	46	174	53.1	107	11.0
SIX0444934	55	1.0	48.3	62	120	44.1	88.1	9.45
SIX0444935	20	<0.5	114	68	74	106	212	23.8
SIX0444936	10	<0.5	141	118	148	155	317	35.7
BLANK 5	<5	<0.5	<0.1	<2	<2	<0.1	<0.1	<0.05
SIX0444937	<5	<0.5	53.9	204	238	60.9	126	13.8
SIX0444938	<5	<0.5	22.2	182	236	46.5	85.5	8.55
Std Nominal	120	3.5	24.6	88	76	33.0	68.0	7.90



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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	115	3.5	23.6	86	76	34.4	69.1	8.05



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
BLANK 1	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444359	26.2	6.55	1.25	8.2	1.40	8.95	1.84	5.40
SIX0444359Q	23.0	5.65	2.20	5.4	0.80	4.35	0.84	2.40
SIX0444360	53.5	11.3	1.65	11.0	1.56	8.40	1.56	4.10
SIX0444361	99.0	18.7	2.00	16.0	2.04	9.30	1.42	3.10
SIX0444362	68.8	12.2	1.60	10.4	1.46	7.65	1.46	4.05
Std Nominal			0.85	4.4		3.45	0.68	1.95
Determined	24.2	4.70	0.85	4.4	0.64	3.45	0.66	1.95
SIX0444363	58.3	11.9	1.90	11.4	1.70	9.55	1.84	5.25
SIX0444364	49.7	10.4	1.85	10.6	1.58	9.15	2.00	5.75
SIX0444365	54.0	10.6	1.90	10.8	1.68	10.9	2.58	8.95
SIX0444366	43.9	8.95	1.90	9.6	1.48	9.40	2.02	6.05
SIX0444367	51.2	10.2	2.10	10.2	1.48	8.95	1.90	6.10
SIX0444368	53.1	11.0	2.05	11.0	1.70	10.8	2.44	7.60
SIX0444369	55.4	11.4	2.10	11.8	1.90	12.3	2.72	8.55
SIX0444369 Rpt	54.7	11.4	2.15	11.6	1.90	12.4	2.78	8.60
SIX0444370	42.3	8.70	1.80	9.0	1.34	8.20	1.76	5.70
SIX0444371	43.3	8.60	1.60	9.0	1.36	8.20	1.72	5.20
SIX0444372	51.5	10.4	1.80	11.0	1.90	13.2	3.14	10.1
SIX0444373	46.8	10.4	1.85	11.2	1.96	13.0	2.90	9.30
SIX0444374	54.2	12.1	1.80	12.4	1.86	10.9	2.32	7.30
SIX0444375	54.9	11.6	1.85	12.0	1.90	11.5	2.50	7.75
SIX0444376	38.1	7.60	1.85	7.4	1.14	6.75	1.46	4.55
SIX0444377	40.7	8.35	1.55	9.0	1.30	7.85	1.68	5.05
SIX0444378	49.2	10.6	1.85	11.2	1.80	11.7	2.66	8.50
Std Nominal								
Determined	11.2	2.90	1.10	3.4	0.54	3.15	0.64	1.90
SIX0444379	50.1	10.2	1.90	10.6	1.58	9.30	2.00	6.20
SIX0444380	49.2	10.2	1.65	10.2	1.52	8.55	1.72	5.05
SIX0444381	38.4	7.90	1.50	7.2	1.10	6.50	1.42	4.05
SIX0444382	60.0	12.2	2.05	11.4	1.60	8.50	1.78	5.45
SIX0444383	56.1	11.2	2.00	10.4	1.44	7.75	1.52	4.85
SIX0444384	65.4	13.7	2.25	14.2	2.14	12.7	2.74	8.45
SIX0444384 Rpt	64.6	13.5	2.25	14.0	2.14	13.0	2.74	8.40
SIX0444384Q	27.4	6.25	2.40	5.8	0.84	4.50	0.92	2.55
SIX0444385	73.8	14.8	2.25	15.4	2.44	15.2	3.30	10.2
SIX0444386	84.3	17.2	2.75	18.4	2.86	18.0	3.92	11.8
SIX0444387	59.6	12.3	2.05	12.8	2.02	12.4	2.90	8.05
SIX0444388	48.8	10.5	1.85	11.0	1.68	9.55	1.96	5.60
SIX0444389	55.6	11.8	2.15	12.0	1.84	11.3	2.50	7.50
SIX0444390	54.1	11.4	2.15	11.4	1.78	10.8	2.36	7.25



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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
SIX0444391	50.5	11.0	2.15	11.8	1.86	11.4	2.50	7.80
SIX0444392	49.2	10.4	1.85	10.8	1.56	9.00	1.88	5.80
SIX0444393	42.5	8.70	1.90	8.8	1.24	6.75	1.32	4.00
SIX0444394	43.4	9.45	1.80	9.6	1.44	8.45	1.84	5.75
SIX0444395	34.1	7.85	1.50	8.4	1.24	7.15	1.50	4.55
Std Nominal	19.4	3.80		3.2	0.42		0.42	1.20
Determined	19.9	3.80	1.05	3.4	0.44	2.30	0.42	1.15
SIX0444396	34.8	7.70	1.45	8.0	1.22	8.40	1.58	5.25
SIX0444397	35.1	8.55	1.60	9.8	1.50	9.30	2.10	6.90
SIX0444398	13.4	3.50	1.25	4.2	0.82	6.10	1.66	6.35
SIX0444399	8.50	3.00	1.05	4.4	0.72	4.45	0.92	2.65
SIX0444400	20.7	5.10	1.50	5.8	0.94	6.30	1.54	5.35
SIX0444401	14.8	3.65	1.60	4.2	0.68	4.45	1.10	3.60
SIX0444402	34.1	7.55	1.70	8.6	1.10	6.65	1.30	3.65
SIX0444403	26.2	6.00	1.75	6.4	0.88	4.75	0.92	2.35
SIX0444404	25.1	5.25	1.80	5.0	0.64	3.05	0.52	1.20
SIX0444405	42.1	8.75	1.85	8.4	1.08	4.95	0.80	1.75
Std Nominal	42.7	6.80	2.15	5.8	0.80	4.05	0.76	1.95
Determined	42.2	6.75	2.15	5.8	0.78	4.05	0.74	2.00
SIX0444406	45.0	9.35	1.85	9.4	1.26	6.85	1.32	3.65
SIX0444407	73.8	15.3	1.90	14.6	1.90	9.70	1.74	4.35
SIX0444408	56.3	12.0	1.85	11.8	1.62	9.25	1.86	5.70
SIX0444409	37.8	8.25	1.65	8.4	1.22	7.20	1.60	5.10
SIX0444409Q	34.3	6.80	1.40	5.8	0.74	3.35	0.52	1.10
SIX0444410	43.1	9.20	1.55	8.8	1.22	7.20	1.62	5.45
SIX0444411	26.2	5.65	1.20	5.8	0.88	5.20	1.12	3.25
SIX0444412	29.9	6.90	1.40	7.6	1.30	8.35	1.84	5.55
SIX0444413	16.9	4.10	0.85	4.6	0.74	4.55	0.96	2.85
SIX0444414	52.2	11.3	1.95	11.6	1.68	10.1	2.22	6.80
SIX0444415	41.4	9.25	1.80	10.0	1.50	8.75	1.80	5.20
SIX0444416	25.3	5.85	1.50	6.6	1.04	6.50	1.38	4.25
SIX0444417	36.6	7.95	1.65	8.4	1.22	7.05	1.46	4.40
SIX0444418	41.2	8.90	1.65	9.8	1.56	10.0	2.14	6.10
SIX0444419	91.5	19.7	1.80	20.6	3.02	17.6	3.44	9.55
SIX0444420	68.8	14.0	2.40	14.8	2.18	13.2	2.72	7.75
BLANK 2	0.10	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444421	60.8	12.4	2.05	12.4	1.90	11.0	2.22	6.20
SIX0444422	96.4	21.9	2.05	25.0	3.76	23.2	5.10	14.9
SIX0444423	14.9	3.80	1.40	4.4	1.08	7.20	2.22	6.60
SIX0444423 Rpt	14.5	3.80	1.45	4.6	1.04	7.35	2.30	6.85
SIX0444424	24.5	6.20	1.05	7.2	1.22	7.65	1.72	5.15



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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
SIX0444425	45.1	10.7	1.20	11.8	1.84	10.9	2.16	5.80
Std Nominal	30.6	5.95	1.40	5.4	0.80	4.85	0.92	2.60
Determined	31.5	6.15	1.40	5.6	0.80	4.65	0.94	2.70
SIX0444426	42.2	10.4	1.05	11.4	1.76	10.2	1.94	5.30
SIX0444427	34.2	7.50	1.50	7.6	1.10	6.35	1.28	3.55
SIX0444428	61.2	12.7	2.15	13.4	2.12	13.0	2.78	8.30
SIX0444429	42.1	9.60	1.45	11.0	1.78	11.3	2.58	7.95
SIX0444430	51.2	11.3	1.60	11.8	1.90	11.3	2.78	7.30
SIX0444431	44.0	9.50	1.65	9.6	1.50	9.05	1.90	5.40
SIX0444432	11.9	3.05	1.10	4.4	0.72	4.70	1.00	2.90
SIX0444432 Rpt	11.7	3.10	1.10	4.2	0.72	4.65	1.02	2.95
SIX0444433	17.1	3.65	1.40	3.8	0.56	3.05	0.58	1.50
SIX0444434	39.5	8.50	1.40	8.2	1.18	6.55	1.28	3.45
SIX0444434Q	35.4	6.65	1.50	6.2	0.92	5.35	1.06	2.90
SIX0444435	47.9	10.0	1.50	8.4	0.94	4.00	0.60	1.25
SIX0444436	23.6	5.35	1.35	6.0	0.92	5.65	1.12	3.10
SIX0444437	48.7	11.0	1.45	10.6	1.46	7.90	1.50	4.15
Std Nominal			0.85	4.4		3.45	0.68	1.95
Determined	24.0	4.80	0.95	4.4	0.62	3.50	0.70	2.00
SIX0444438	44.6	10.0	1.50	10.4	1.70	10.9	2.48	7.60
SIX0444439	23.4	5.90	1.15	7.0	1.12	6.70	1.36	3.80
SIX0444440	27.9	6.85	1.15	8.0	1.26	7.55	1.66	4.75
SIX0444441	14.3	3.35	1.60	3.8	0.58	3.50	0.68	2.00
SIX0444442	16.6	3.85	1.65	4.6	0.72	4.55	0.94	2.70
SIX0444443	10.2	2.40	1.65	2.8	0.42	2.45	0.50	1.40
SIX0444444	25.4	6.90	1.15	8.8	1.52	9.60	2.24	5.85
SIX0444445	18.3	5.30	1.50	6.8	1.20	7.70	1.62	4.65
SIX0444446	16.8	4.75	1.50	6.2	1.12	6.90	1.46	4.25
Std Nominal								
Determined	11.0	2.85	1.05	3.4	0.54	3.20	0.66	1.90
SIX0444447	22.9	8.35	1.10	13.2	2.64	18.2	3.88	11.7
SIX0444448	24.1	6.75	0.90	8.4	1.46	9.00	1.86	5.30
SIX0444449	40.0	9.20	1.20	9.8	1.34	7.45	1.46	4.05
SIX0444450	25.1	6.55	1.35	8.2	1.32	8.15	1.66	4.65
SIX0444451	18.6	5.35	1.40	7.0	1.28	8.20	1.72	5.00
SIX0444452	13.6	3.85	1.35	5.0	0.86	5.35	1.10	3.20
SIX0444453	14.2	4.10	1.35	5.2	0.88	5.50	1.14	3.30
SIX0444453 Rpt	14.7	4.20	1.40	5.4	0.92	5.70	1.18	3.40
SIX0444454	14.7	4.15	1.40	5.4	0.92	5.60	1.20	3.45
BLANK 3	0.10	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444455	14.6	4.15	1.35	5.4	0.92	5.85	1.22	3.50



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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
SIX0444842	12.6	3.70	1.20	4.8	0.82	5.20	1.06	3.10
SIX0444843	49.6	11.3	1.60	11.6	1.84	10.7	2.08	5.90
SIX0444844	60.7	13.7	1.65	14.4	2.20	12.6	2.38	6.40
SIX0444845	19.5	4.75	1.40	5.4	0.92	5.55	1.12	3.15
SIX0444845Q	36.8	6.95	1.55	6.0	0.78	3.70	0.58	1.35
SIX0444846	10.9	3.05	1.05	4.4	0.76	4.65	1.04	2.65
SIX0444847	15.6	4.50	1.00	6.0	1.18	7.80	1.72	5.45
SIX0444848	21.7	5.90	1.15	7.2	1.28	8.30	1.76	6.40
SIX0444849	46.0	10.5	1.50	11.0	1.70	9.70	1.86	5.30
SIX0444850	38.7	8.65	1.35	9.0	1.38	7.85	1.58	4.50
Std Nominal	19.4	3.80		3.2	0.42		0.42	1.20
Determined	18.7	3.65	1.05	3.2	0.42	2.25	0.40	1.15
SIX0444851	53.3	11.8	1.90	12.0	1.92	11.7	2.46	7.45
SIX0444852	62.5	13.3	2.00	13.6	2.04	11.7	2.42	6.95
SIX0444853	43.1	9.25	1.80	9.6	1.54	9.65	2.10	6.55
SIX0444854	41.7	8.75	1.85	9.4	1.46	9.10	2.04	6.55
SIX0444855	28.5	6.00	1.90	6.2	1.00	6.75	1.64	5.95
SIX0444856	62.1	12.9	2.05	13.2	2.08	13.0	2.84	9.30
SIX0444857	99.0	21.1	2.50	21.8	3.58	23.2	5.30	17.5
SIX0444858	47.7	10.2	1.80	10.2	1.54	9.35	2.04	6.90
SIX0444859	49.3	11.1	1.85	12.4	2.28	15.1	3.38	10.5
SIX0444860	42.1	9.25	1.75	9.8	1.64	9.95	2.08	6.05
SIX0444861	46.3	9.70	1.85	9.4	1.48	7.95	1.60	4.90
SIX0444861 Rpt	48.1	10.0	1.80	9.6	1.48	8.20	1.66	4.90
SIX0444862	41.1	9.10	1.70	9.0	1.36	7.95	1.64	4.95
SIX0444863	34.4	7.50	1.65	7.4	1.12	6.50	1.26	3.60
SIX0444864	53.8	11.5	1.75	11.4	1.62	8.40	1.64	3.90
SIX0444865	27.7	5.95	1.40	6.0	1.00	6.90	1.62	5.45
SIX0444866	23.2	5.15	1.60	5.2	0.78	4.50	0.88	2.40
SIX0444867	39.0	8.15	1.60	8.2	1.24	7.00	1.34	3.70
Std Nominal	42.7	6.80	2.15	5.8	0.80	4.05	0.76	1.95
Determined	42.3	6.90	2.20	5.6	0.78	4.10	0.74	2.00
SIX0444868	46.8	9.75	1.95	10.0	1.62	9.85	2.14	6.20
SIX0444869	29.6	5.85	1.75	5.2	0.74	3.40	0.58	1.45
SIX0444870	46.0	9.10	1.80	8.4	1.16	6.15	1.20	3.20
SIX0444870Q	27.8	5.80	1.95	5.4	0.78	4.15	0.74	1.95
SIX0444871	41.9	8.10	1.70	8.4	1.20	7.05	1.56	4.95
SIX0444872	58.2	11.3	1.95	11.4	1.46	8.05	1.74	5.65
SIX0444873	39.0	8.05	1.60	9.0	1.32	7.20	1.60	4.65
SIX0444874	47.2	8.80	1.75	8.6	1.10	5.85	1.16	3.45
SIX0444875	56.7	10.8	1.45	11.4	1.56	8.35	1.62	4.50



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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
Std Nominal	30.6	5.95	1.40	5.4	0.80	4.85	0.92	2.60
Determined	31.5	5.85	1.40	5.6	0.76	4.85	0.88	2.65
SIX0444876	21.9	5.75	1.15	8.0	1.36	8.45	1.78	5.30
SIX0444877	27.6	7.25	1.20	9.8	1.58	9.30	1.92	5.35
SIX0444878	33.8	7.25	1.60	8.8	1.34	8.10	1.72	5.20
SIX0444879	21.5	5.05	1.45	6.6	1.00	5.95	1.28	3.95
SIX0444880	23.8	5.50	1.20	7.0	1.14	7.25	1.58	4.95
SIX0444881	36.2	7.20	1.40	8.8	1.24	7.35	1.62	5.15
SIX0444882	38.4	8.05	1.60	9.0	1.36	7.85	1.62	4.90
SIX0444883	43.7	9.90	1.75	12.0	1.82	10.7	2.28	6.70
SIX0444884	51.6	10.5	1.80	11.6	1.70	10.1	2.22	6.85
SIX0444885	56.3	10.9	1.80	11.0	1.46	8.30	1.66	5.50
SIX0444885 Rpt	56.2	10.8	1.80	11.4	1.50	8.35	1.72	5.50
SIX0444886	60.5	11.7	2.10	12.4	1.82	11.1	2.56	8.25
SIX0444887	57.2	10.9	2.15	11.6	1.70	11.1	2.66	9.00
SIX0444888	60.1	11.5	2.15	11.6	1.62	10.4	2.64	9.60
BLANK 4	0.10	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444889	63.1	11.6	2.10	12.2	1.76	11.7	2.92	9.90
SIX0444890	56.3	11.1	2.10	12.6	1.94	12.3	2.82	9.20
SIX0444891	59.0	11.4	2.10	12.4	1.84	11.6	2.74	9.20
Std Nominal			0.85	4.4		3.45	0.68	1.95
Determined	24.6	4.45	0.90	4.2	0.54	3.40	0.66	1.90
SIX0444892	56.7	10.6	2.10	11.2	1.58	9.50	2.10	7.00
SIX0444893	42.3	8.45	1.75	9.2	1.38	8.45	1.86	6.00
SIX0444894	54.4	10.3	2.00	10.4	1.38	7.65	1.60	5.20
SIX0444895	51.7	10.8	1.40	12.4	1.94	11.6	2.48	7.50
SIX0444895Q	36.2	6.85	1.55	6.0	0.94	5.45	1.08	3.20
SIX0444896	44.1	9.05	1.75	10.4	1.48	8.80	1.92	5.90
SIX0444897	51.2	10.4	1.80	11.2	1.58	8.90	1.82	5.45
SIX0444898	36.3	7.60	1.45	8.8	1.28	7.70	1.64	5.15
SIX0444899	47.5	9.70	1.60	11.2	1.66	10.0	2.18	6.90
SIX0444900	49.2	9.65	1.55	10.4	1.44	8.65	1.92	6.15
SIX0444901	47.1	9.10	1.65	9.4	1.28	7.40	1.66	5.45
SIX0444902	61.0	11.2	1.70	11.6	1.62	9.45	2.04	6.55
SIX0444903	119	20.1	2.00	19.2	2.48	13.1	2.66	8.15
SIX0444904	49.4	9.35	1.70	9.8	1.34	7.85	1.80	5.85
SIX0444905	32.8	6.95	1.45	8.0	1.16	6.60	1.42	4.25
SIX0444906	50.4	9.50	1.80	10.4	1.42	8.80	2.00	6.30
SIX0444907	52.1	10.0	1.75	11.4	1.68	10.3	2.36	7.80
SIX0444908	49.3	9.75	1.85	11.2	1.64	10.4	2.46	7.65
SIX0444909	42.1	8.45	1.75	9.8	1.56	10.3	2.44	8.00



Reference: aa078099.b Order Number: OGDD002 Page 48 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
Std Nominal								
Determined	12.1	2.85	1.10	3.6	0.54	3.10	0.68	2.05
SIX0444910	53.2	10.1	2.10	11.2	1.82	13.0	3.18	10.5
SIX0444911	55.7	10.6	2.15	12.2	1.94	12.8	2.98	9.60
SIX0444912	59.6	11.4	2.05	12.8	1.98	13.0	3.02	9.80
SIX0444913	64.7	12.3	2.00	12.8	1.80	10.8	2.44	7.85
SIX0444914	84.0	15.4	1.80	15.0	1.68	7.50	1.30	3.15
SIX0444915	58.2	11.0	1.75	11.4	1.44	8.20	1.80	5.90
SIX0444916	50.1	9.60	1.55	10.6	1.48	8.90	2.06	6.95
Std Nominal	19.4	3.80		3.2	0.42		0.42	1.20
Determined	19.3	3.65	1.05	3.2	0.40	2.00	0.38	1.15
SIX0444917	55.9	10.9	1.95	11.6	1.66	10.7	2.58	8.70
SIX0444918	35.6	7.20	1.50	8.6	1.28	8.25	1.90	6.30
SIX0444919	77.0	15.7	1.80	15.6	1.86	9.25	1.72	4.85
SIX0444920	54.2	10.4	2.10	11.8	1.92	13.8	3.46	11.8
SIX0444920 Rpt	56.5	10.7	2.15	12.2	1.98	13.9	3.42	11.8
SIX0444920Q	29.2	5.55	1.80	5.6	0.74	3.85	0.76	2.05
SIX0444921	55.8	10.7	2.15	12.2	1.92	13.3	3.32	12.0
SIX0444922	53.5	10.3	2.10	10.4	1.22	5.80	1.06	3.00
SIX0444923	53.8	10.4	2.20	10.8	1.48	8.80	1.98	6.60
SIX0444924	53.5	9.90	1.85	9.8	1.18	5.65	1.12	3.30
SIX0444925	47.7	9.65	1.85	10.8	1.52	9.10	2.00	6.65
SIX0444926	58.0	11.3	1.70	12.0	1.54	7.90	1.50	4.35
SIX0444927	65.8	13.0	2.10	13.6	1.80	9.85	1.92	5.75
SIX0444928	81.5	17.0	2.15	19.0	2.68	15.0	3.18	10.0
SIX0444929	49.0	9.35	2.10	10.6	1.58	9.90	2.36	8.10
Std Nominal	42.7	6.80	2.15	5.8	0.80	4.05	0.76	1.95
Determined	42.9	6.65	2.15	5.6	0.76	4.15	0.76	2.00
SIX0444930	62.4	13.1	2.00	15.0	2.20	12.8	2.76	8.50
SIX0444931	55.2	11.7	1.35	12.8	1.82	10.5	2.14	6.50
SIX0444932	22.8	5.60	1.25	7.4	1.18	7.15	1.58	5.00
SIX0444932 Rpt	22.6	5.70	1.25	7.4	1.18	7.15	1.56	4.95
SIX0444933	40.4	7.10	1.95	7.8	1.22	7.65	1.78	6.15
SIX0444934	35.7	6.55	1.80	7.8	1.22	8.10	1.84	6.30
SIX0444935	88.2	17.7	2.35	20.0	2.92	17.4	4.00	13.0
SIX0444936	135	28.1	3.05	31.2	4.26	23.7	5.00	16.1
BLANK 5	<0.05	<0.05	<0.05	<0.2	<0.02	0.05	<0.02	0.05
SIX0444937	52.2	9.85	2.30	10.8	1.54	9.25	2.14	6.90
SIX0444938	30.6	5.35	2.60	5.6	0.74	4.00	0.86	2.80
Std Nominal	30.6	5.95	1.40	5.4	0.80	4.85	0.92	2.60



Reference: aa078099.b Order Number: OGDD002 Page 49 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
Determined	30.5	5.75	1.40	5.4	0.76	4.75	0.90	2.70



Reference: aa078099.b Order Number: OGDD002 Page 50 of 56

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
SIX0444359	0.75	5.20	0.78	0.01	2937	NR
SIX0444359Q	0.30	2.35	0.36	0.36	94	NR
SIX0444360	0.50	3.50	0.54	<0.01	2567	99.0
SIX0444361	0.30	1.75	0.24	0.01	2480	NR
SIX0444362	0.50	3.45	0.54	<0.01	2599	NR
Std Nominal	0.30	1.90	0.28	2.00		
Determined	0.25	1.90	0.30	1.94	NR	NR
SIX0444363	0.65	4.60	0.70	<0.01	2527	NR
SIX0444364	0.80	5.85	0.94	<0.01	2826	NR
SIX0444365	1.30	11.1	1.72	<0.01	2206	NR
SIX0444366	0.85	6.20	0.98	<0.01	2393	NR
SIX0444367	0.85	6.40	1.00	<0.01	2149	NR
SIX0444368	1.05	7.55	1.20	<0.01	2224	NR
SIX0444369	1.10	8.30	1.26	<0.01	2762	NR
SIX0444369 Rpt	1.15	8.40	1.28	<0.01	NR	NR
SIX0444370	0.80	6.30	1.02	<0.01	2435	NR
SIX0444371	0.70	5.20	0.82	<0.01	2440	NR
SIX0444372	1.40	10.8	1.68	<0.01	2851	NR
SIX0444373	1.25	9.45	1.46	<0.01	2591	NR
SIX0444374	1.00	7.35	1.16	<0.01	2727	NR
SIX0444375	1.05	7.90	1.22	<0.01	2662	NR
SIX0444376	0.65	4.85	0.78	<0.01	2335	NR
SIX0444377	0.65	5.05	0.88	<0.01	2482	NR
SIX0444378	1.20	9.30	1.46	<0.01	2579	NR
Std Nominal						
Determined	0.25	1.80	0.28	1.02	NR	NR
SIX0444379	0.85	6.55	1.02	<0.01	2846	NR
SIX0444380	0.70	4.90	0.76	<0.01	2546	98.5
SIX0444381	0.55	4.05	0.62	<0.01	2188	NR
SIX0444382	0.80	6.20	1.00	<0.01	2516	NR
SIX0444383	0.70	5.85	0.96	<0.01	2820	NR
SIX0444384	1.15	8.60	1.28	<0.01	2514	NR
SIX0444384 Rpt	1.15	8.40	1.26	<0.01	NR	NR
SIX0444384Q	0.35	2.45	0.36	0.35	95	NR
SIX0444385	1.35	9.55	1.40	<0.01	2951	NR
SIX0444386	1.55	10.8	1.62	<0.01	2658	NR
SIX0444387	1.05	7.55	1.12	<0.01	2522	NR
SIX0444388	0.75	5.50	0.84	<0.01	2713	NR
SIX0444389	1.00	7.40	1.10	<0.01	2499	NR
SIX0444390	1.00	8.15	1.12	<0.01	2469	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
SIX0444391	1.10	8.00	1.26	<0.01	2600	NR
SIX0444392	0.80	5.95	0.98	<0.01	2268	NR
SIX0444393	0.50	3.90	0.60	<0.01	2298	NR
SIX0444394	0.80	5.85	0.90	<0.01	2088	NR
SIX0444395	0.65	4.70	0.74	<0.01	3419	NR
Std Nominal	0.15	1.05	0.16	0.31		
Determined	0.15	1.05	0.16	0.33	NR	NR
SIX0444396	0.75	6.05	0.98	<0.01	2552	NR
SIX0444397	1.05	8.30	1.36	<0.01	2687	NR
SIX0444398	1.00	8.95	1.54	<0.01	2791	NR
SIX0444399	0.35	2.40	0.36	0.01	3112	98.0
SIX0444400	0.80	6.55	1.06	<0.01	3099	NR
SIX0444401	0.55	4.55	0.76	<0.01	2804	NR
SIX0444402	0.50	3.65	0.56	<0.01	2829	NR
SIX0444403	0.30	1.80	0.30	<0.01	2732	NR
SIX0444404	0.15	0.95	0.16	<0.01	2641	NR
SIX0444405	0.20	1.10	0.18	<0.01	2900	NR
Std Nominal	0.25	1.70	0.28	2.00		
Determined	0.25	1.70	0.28	1.98	NR	NR
SIX0444406	0.45	3.45	0.54	<0.01	2628	NR
SIX0444407	0.50	3.30	0.50	<0.01	2732	NR
SIX0444408	0.70	5.25	0.82	<0.01	2546	NR
SIX0444409	0.75	5.85	0.92	<0.01	2746	NR
SIX0444409Q	0.15	0.85	0.12	0.86	94	NR
SIX0444410	0.75	6.10	1.02	<0.01	2226	NR
SIX0444411	0.45	3.20	0.54	0.01	2233	NR
SIX0444412	0.75	5.40	0.84	<0.01	1481	NR
SIX0444413	0.35	2.75	0.40	<0.01	2761	NR
SIX0444414	0.90	6.85	1.06	<0.01	2315	NR
SIX0444415	0.70	5.25	0.80	<0.01	2779	NR
SIX0444416	0.60	4.60	0.88	<0.01	2653	NR
SIX0444417	0.55	4.20	0.64	<0.01	2622	NR
SIX0444418	0.75	5.20	0.78	<0.01	2764	99.1
SIX0444419	1.10	7.70	1.14	<0.01	2239	NR
SIX0444420	0.95	6.80	1.00	<0.01	3015	NR
BLANK 2	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444421	0.80	5.45	0.82	<0.01	2718	NR
SIX0444422	2.10	14.0	2.12	<0.01	2717	NR
SIX0444423	1.10	8.90	1.44	<0.01	2778	NR
SIX0444423 Rpt	1.10	8.50	1.40	<0.01	NR	NR
SIX0444424	0.65	4.95	0.76	<0.01	2762	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
SIX0444425	0.70	4.70	0.68	<0.01	2689	NR
Std Nominal	0.35	2.50	0.38			
Determined	0.35	2.45	0.36	1.04	NR	NR
SIX0444426	0.65	4.85	0.72	<0.01	2574	NR
SIX0444427	0.45	3.35	0.48	<0.01	3078	NR
SIX0444428	1.10	7.70	1.20	<0.01	2908	NR
SIX0444429	1.05	7.40	1.18	<0.01	2637	NR
SIX0444430	0.95	6.85	1.00	<0.01	2620	NR
SIX0444431	0.70	4.80	0.70	<0.01	2797	NR
SIX0444432	0.40	2.70	0.42	<0.01	2211	NR
SIX0444432 Rpt	0.40	2.75	0.42	<0.01	NR	NR
SIX0444433	0.15	1.15	0.16	<0.01	2412	NR
SIX0444434	0.40	2.70	0.38	<0.01	2176	NR
SIX0444434Q	0.40	2.80	0.44	<0.01	92	NR
SIX0444435	0.10	0.75	0.10	<0.01	2816	NR
SIX0444436	0.40	2.80	0.42	<0.01	2707	NR
SIX0444437	0.50	3.40	0.50	<0.01	2106	97.8
Std Nominal	0.30	1.90	0.28	0.31		
Determined	0.25	1.85	0.30	0.32	NR	NR
SIX0444438	0.95	7.00	1.04	<0.01	2577	NR
SIX0444439	0.45	3.25	0.48	<0.01	2878	NR
SIX0444440	0.55	3.85	0.58	<0.01	2629	NR
SIX0444441	0.25	1.60	0.24	<0.01	2624	NR
SIX0444442	0.35	2.45	0.36	<0.01	2514	NR
SIX0444443	0.20	1.30	0.20	<0.01	2225	NR
SIX0444444	0.75	5.45	0.78	0.01	2511	NR
SIX0444445	0.60	4.25	0.64	<0.01	3094	NR
SIX0444446	0.55	4.10	0.62	0.01	2887	NR
Std Nominal				2.00		
Determined	0.25	1.80	0.28	2.01	NR	NR
SIX0444447	1.55	11.7	1.72	<0.01	2100	NR
SIX0444448	0.65	4.80	0.70	<0.01	3563	NR
SIX0444449	0.50	3.30	0.48	<0.01	2295	NR
SIX0444450	0.60	4.15	0.60	<0.01	3223	NR
SIX0444451	0.65	4.70	0.70	0.01	2841	NR
SIX0444452	0.40	2.95	0.44	<0.01	3132	NR
SIX0444453	0.40	3.05	0.46	<0.01	2991	NR
SIX0444453 Rpt	0.45	3.05	0.46	<0.01		NR
SIX0444454	0.45	3.10	0.46	0.01	2973	NR
BLANK 3	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444455	0.45	3.25	0.48	<0.01	2883	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
SIX0444842	0.40	2.85	0.42	<0.01	3064	NR
SIX0444843	0.70	5.25	0.78	<0.01	2701	97.3
SIX0444844	0.75	6.05	0.72	<0.01	2769	NR
SIX0444845	0.40	2.70	0.40	<0.01	2685	NR
SIX0444845Q	0.15	1.00	0.16	0.69	106	NR
SIX0444846	0.30	2.30	0.36	<0.01	2821	NR
SIX0444847	0.75	5.90	0.92	<0.01	2099	NR
SIX0444848	0.70	5.20	0.78	<0.01	2651	NR
SIX0444849	0.65	4.75	0.70	<0.01	2560	NR
SIX0444850	0.50	3.70	0.54	<0.01	2431	NR
Std Nominal	0.15	1.05	0.16			
Determined	0.15	1.05	0.16	1.02	NR	NR
SIX0444851	1.00	7.45	1.12	<0.01	2749	NR
SIX0444852	0.95	6.60	1.02	<0.01	2646	NR
SIX0444853	0.90	7.80	1.06	<0.01	2822	NR
SIX0444854	0.90	6.90	1.08	<0.01	1782	NR
SIX0444855	0.90	7.30	1.18	0.01	2681	NR
SIX0444856	1.20	8.85	1.38	<0.01	2729	NR
SIX0444857	2.40	17.5	2.66	0.01	2860	NR
SIX0444858	0.85	6.45	1.00	<0.01	2430	NR
SIX0444859	1.40	10.4	1.54	0.01	2237	NR
SIX0444860	0.80	5.65	0.86	<0.01	2575	NR
SIX0444861	0.60	4.45	0.76	<0.01	2779	NR
SIX0444861 Rpt	0.60	4.55	0.76	<0.01	NR	NR
SIX0444862	0.70	5.20	0.80	<0.01	2497	96.9
SIX0444863	0.45	3.40	0.50	<0.01	1682	NR
SIX0444864	0.45	3.20	0.48	<0.01	1436	NR
SIX0444865	0.80	6.20	0.96	<0.01	2355	NR
SIX0444866	0.30	2.20	0.32	<0.01	2965	NR
SIX0444867	0.45	3.35	0.52	<0.01	2610	NR
Std Nominal	0.25	1.70	0.28	0.31		
Determined	0.25	1.75	0.26	0.32	NR	NR
SIX0444868	0.80	5.85	0.90	<0.01	2544	NR
SIX0444869	0.15	1.15	0.18	<0.01	2445	NR
SIX0444870	0.40	2.85	0.46	<0.01	2520	NR
SIX0444870Q	0.25	1.55	0.22	<0.01	125	NR
SIX0444871	0.65	4.85	0.76	<0.01	2791	NR
SIX0444872	0.75	5.65	0.86	<0.01	1751	NR
SIX0444873	0.60	4.30	0.64	<0.01	2167	NR
SIX0444874	0.45	3.35	0.52	<0.01	2960	NR
SIX0444875	0.55	3.85	0.58	<0.01	2068	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
Std Nominal	0.35	2.50	0.38	2.00		
Determined	0.30	2.55	0.36	1.95	NR	NR
SIX0444876	0.60	4.60	0.64	<0.01	2613	NR
SIX0444877	0.65	4.60	0.64	<0.01	2692	NR
SIX0444878	0.65	4.80	0.68	<0.01	2991	NR
SIX0444879	0.50	3.65	0.52	<0.01	3448	NR
SIX0444880	0.60	4.70	0.66	<0.01	2190	NR
SIX0444881	0.65	5.00	0.74	<0.01	2514	98.9
SIX0444882	0.60	4.25	0.62	<0.01	3000	NR
SIX0444883	0.85	6.00	0.84	<0.01	2831	NR
SIX0444884	0.90	6.70	0.98	<0.01	2532	NR
SIX0444885	0.65	5.55	0.80	<0.01	2420	NR
SIX0444885 Rpt	0.70	5.50	0.84	<0.01	NR	NR
SIX0444886	1.05	8.45	1.22	<0.01	2726	NR
SIX0444887	1.20	9.45	1.42	<0.01	2229	NR
SIX0444888	1.35	11.3	1.68	<0.01	2843	NR
BLANK 4	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444889	1.35	10.9	1.64	<0.01	2500	NR
SIX0444890	1.20	9.40	1.36	<0.01	3064	NR
SIX0444891	1.25	9.70	1.46	<0.01	2657	NR
Std Nominal	0.30	1.90	0.28			
Determined	0.25	1.85	0.28	1.00	NR	NR
SIX0444892	0.95	7.40	1.08	<0.01	2682	NR
SIX0444893	0.75	6.00	0.86	<0.01	2649	NR
SIX0444894	0.70	5.75	0.84	<0.01	2313	NR
SIX0444895	0.95	7.05	1.02	<0.01	2460	NR
SIX0444895Q	0.40	2.80	0.46	<0.01	102	NR
SIX0444896	0.75	6.15	0.88	<0.01	2404	NR
SIX0444897	0.70	5.25	0.76	<0.01	2779	NR
SIX0444898	0.65	5.10	0.74	<0.01	2731	NR
SIX0444899	0.90	7.25	1.04	<0.01	2675	NR
SIX0444900	0.80	6.60	0.98	<0.01	2703	98.9
SIX0444901	0.75	6.05	0.90	<0.01	2654	NR
SIX0444902	0.90	7.50	1.14	<0.01	3179	NR
SIX0444903	1.05	8.50	1.26	<0.01	2498	NR
SIX0444904	0.80	6.35	0.94	<0.01	2658	NR
SIX0444905	0.55	4.30	0.64	<0.01	2411	NR
SIX0444906	0.80	6.15	0.90	<0.01	2802	NR
SIX0444907	1.00	8.30	1.22	<0.01	2435	NR
SIX0444908	1.00	7.70	1.10	<0.01	5429	NR
SIX0444909	1.10	8.90	1.28	<0.01	4718	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
Std Nominal				0.31		
Determined	0.25	1.95	0.30	0.30	NR	NR
SIX0444910	1.35	10.6	1.56	<0.01	5149	NR
SIX0444911	1.25	9.50	1.40	<0.01	5572	NR
SIX0444912	1.30	10.3	1.48	<0.01	4652	NR
SIX0444913	1.00	7.90	1.16	<0.01	5410	NR
SIX0444914	0.35	2.55	0.38	<0.01	5347	NR
SIX0444915	0.75	5.85	0.86	<0.01	5261	NR
SIX0444916	0.85	6.85	1.02	<0.01	5286	NR
Std Nominal	0.15	1.05	0.16	2.00		
Determined	0.15	1.10	0.16	1.99	NR	NR
SIX0444917	1.10	8.95	1.32	<0.01	4032	NR
SIX0444918	0.75	5.80	0.84	<0.01	5605	NR
SIX0444919	0.55	3.85	0.56	<0.01	4566	97.0
SIX0444920	1.50	11.5	1.66	<0.01	5139	NR
SIX0444920 Rpt	1.50	11.6	1.68	<0.01	NR	NR
SIX0444920Q	0.25	1.60	0.22	<0.01	92	NR
SIX0444921	1.55	12.7	1.84	<0.01	5128	NR
SIX0444922	0.35	2.55	0.38	<0.01	5154	NR
SIX0444923	0.80	7.00	0.96	<0.01	5421	NR
SIX0444924	0.40	3.45	0.48	<0.01	5284	NR
SIX0444925	0.85	6.45	0.96	<0.01	5224	NR
SIX0444926	0.50	3.60	0.52	<0.01	5363	NR
SIX0444927	0.65	4.85	0.78	<0.01	5350	NR
SIX0444928	1.15	8.45	1.20	<0.01	5370	NR
SIX0444929	1.05	8.30	1.24	<0.01	5101	NR
Std Nominal	0.25	1.70	0.28			
Determined	0.25	1.75	0.28	1.02	NR	NR
SIX0444930	1.00	7.40	1.06	<0.01	5200	NR
SIX0444931	0.75	5.55	0.80	<0.01	2688	NR
SIX0444932	0.60	4.50	0.66	<0.01	2806	NR
SIX0444932 Rpt	0.60	4.40	0.64	<0.01	NR	NR
SIX0444933	0.75	5.65	0.84	<0.01	4926	NR
SIX0444934	0.75	5.75	0.82	<0.01	5404	NR
SIX0444935	1.50	11.1	1.62	<0.01	5084	NR
SIX0444936	1.90	13.8	2.00	<0.01	5641	NR
BLANK 5	<0.05	0.05	<0.02	<0.01	NR	NR
SIX0444937	0.85	6.65	1.00	<0.01	5178	NR
SIX0444938	0.35	2.65	0.42	<0.01	5469	97.3
Std Nominal	0.35	2.50	0.38	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	0.30	2.45	0.36	0.32	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 Absorbance 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.