



Bureau Veritas Minerals Pty Ltd
MINERAL TESTING & LABORATORY SERVICES

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Reference: **aa078099.a**
Date Finished: 05/05/2026
Order: OGDD002
Project: Oonagalabi
Date Received: 07/04/2026
Type of Sample: Core
Samples Analysed: **180**

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
SIX0444064	Sample Not Received							
SIX0444065	Sample Not Received							
SIX0444066	Sample Not Received							
SIX0444067	Sample Not Received							
SIX0444068	Sample Not Received							
Std Nominal	25.8	4.82%	240	2710	3.0	4.0	1.47%	100
Determined	26.6	4.73%	241	NR	3.0	4.2	1.49%	102
SIX0444069	Sample Not Received							
SIX0444070	Sample Not Received							
SIX0444071	Sample Not Received							
SIX0444072	Sample Not Received							
SIX0444073	Sample Not Received							
SIX0444074	Sample Not Received							
SIX0444075	Sample Not Received							
SIX0444075 Rpt	Sample Not Received							
SIX0444076	Sample Not Received							
SIX0444077	Sample Not Received							
SIX0444078	Sample Not Received							
SIX0444079	Sample Not Received							
SIX0444080	Sample Not Received							
SIX0444081	Sample Not Received							
SIX0444082	Sample Not Received							
SIX0444083	Sample Not Received							
SIX0444084	Sample Not Received							
SIX0444084Q	Sample Not Received							
SIX0444085	<0.2	8.03%	3	168	2.0	0.1	6.87%	<0.5
SIX0444086	<0.2	7.85%	3	164	1.5	0.2	7.32%	<0.5
SIX0444087	<0.2	7.64%	2	138	1.0	<0.1	7.74%	<0.5
SIX0444088	<0.2	7.68%	2	140	1.0	<0.1	7.69%	<0.5
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	6.2	6.65%	97	128	1.0	3.3	2.45%	8.5
SIX0444089	<0.2	7.67%	3	184	1.0	<0.1	7.60%	<0.5
SIX0444090	<0.2	7.65%	2	218	1.5	0.1	7.15%	<0.5
SIX0444091	<0.2	7.14%	2	152	1.5	0.2	6.30%	<0.5
SIX0444092	<0.2	7.60%	2	204	1.5	0.1	5.50%	<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
SIX0444093	<0.2	7.62%	2	192	1.5	0.1	6.91%	<0.5
SIX0444094	<0.2	7.64%	2	142	1.0	0.1	7.03%	<0.5
SIX0444095	<0.2	7.59%	2	130	1.0	0.2	7.75%	<0.5
SIX0444096	<0.2	7.16%	<1	166	2.0	0.1	7.06%	<0.5
SIX0444097	<0.2	8.30%	2	290	2.0	0.1	5.69%	<0.5
SIX0444097 Rpt	<0.2	8.08%	2	282	2.0	0.1	5.54%	<0.5
SIX0444098	<0.2	8.91%	2	512	2.5	0.2	4.31%	<0.5
SIX0444099	<0.2	9.01%	2	528	2.0	0.1	4.54%	<0.5
SIX0444100	<0.2	8.49%	2	402	2.0	0.1	5.34%	<0.5
SIX0444201	<0.2	8.61%	2	388	2.0	<0.1	5.25%	<0.5
Std Nominal		4.63%	3	984	1.5	<0.1	600	<0.5
Determined	<0.2	4.83%	3	1010	1.5	<0.1	700	<0.5
SIX0444202	<0.2	7.80%	3	266	2.0	0.2	5.63%	<0.5
SIX0444203	<0.2	8.12%	2	140	1.5	0.2	7.83%	<0.5
SIX0444204	<0.2	7.82%	2	134	1.0	0.2	7.88%	<0.5
SIX0444205	<0.2	5.83%	3	240	1.0	0.3	8.13%	<0.5
SIX0444206	<0.2	6.22%	3	130	1.5	0.3	8.10%	<0.5
SIX0444207	<0.2	7.16%	3	198	1.5	0.2	7.80%	<0.5
SIX0444208	<0.2	8.01%	2	238	3.0	0.1	3.83%	<0.5
SIX0444209	<0.2	7.37%	2	294	2.0	0.1	4.87%	<0.5
SIX0444209Q	18.6	5.03%	435	706	1.0	4.1	1.56%	26.0
SIX0444210	<0.2	8.07%	8	228	2.0	0.2	5.98%	<0.5
SIX0444211	<0.2	7.89%	3	224	1.5	0.1	5.96%	<0.5
SIX0444212	<0.2	8.83%	2	376	2.0	<0.1	4.77%	<0.5
SIX0444213	<0.2	8.40%	3	530	2.0	0.1	5.26%	<0.5
SIX0444214	<0.2	6.23%	2	312	1.0	0.2	6.16%	<0.5
Std Nominal	2.0	%5.25	331		1.5	8.4	%2.41	<0.5
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444215	<0.2	7.46%	2	230	1.5	0.1	5.25%	<0.5
SIX0444216	<0.2	8.14%	2	316	1.5	0.1	5.68%	<0.5
SIX0444217	<0.2	8.55%	2	326	1.5	0.3	5.68%	<0.5
SIX0444218	<0.2	7.77%	2	240	1.5	0.2	6.48%	<0.5
SIX0444219	<0.2	7.97%	2	330	1.0	0.1	5.85%	<0.5
SIX0444220	<0.2	7.65%	2	142	1.5	0.2	6.86%	<0.5
SIX0444221	<0.2	7.74%	2	242	1.5	0.2	6.07%	<0.5
SIX0444221 Rpt	<0.2	7.77%	2	246	1.5	0.2	6.05%	<0.5
SIX0444222	<0.2	7.26%	3	134	1.0	0.2	6.92%	<0.5
SIX0444223	<0.2	9.10%	3	532	2.0	0.2	5.15%	<0.5
SIX0444224	<0.2	9.04%	2	408	2.0	<0.1	4.72%	<0.5
SIX0444225	<0.2	8.96%	2	526	2.0	0.1	5.39%	<0.5
SIX0444226	<0.2	8.07%	2	330	1.5	0.2	5.09%	<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
SIX0444227	<0.2	7.43%	2	330	2.0	0.1	4.08%	<0.5
SIX0444228	<0.2	8.08%	2	736	2.0	0.1	4.76%	<0.5
SIX0444229	<0.2	9.17%	2	420	1.5	0.2	5.53%	<0.5
SIX0444230	<0.2	9.03%	2	508	3.0	<0.1	2.33%	<0.5
Std Nominal	0.8	7.68%	18	1010	3.0	1.5	2.71%	<0.5
Determined	0.8	7.70%	18	1020	3.0	1.6	2.74%	<0.5
SIX0444231	<0.2	8.51%	<1	152	2.5	0.2	5.80%	<0.5
BLANK 2	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444232	<0.2	8.64%	<1	130	6.0	0.1	3.97%	<0.5
SIX0444233	<0.2	9.10%	<1	520	5.0	<0.1	1.71%	<0.5
SIX0444234	<0.2	8.10%	<1	708	3.5	0.1	1.10%	<0.5
SIX0444234Q	<0.2	7.83%	2	530	2.0	<0.1	5.62%	<0.5
SIX0444235	<0.2	8.49%	1	504	2.5	0.2	2.12%	<0.5
SIX0444236	<0.2	8.05%	<1	752	3.5	<0.1	1.00%	<0.5
SIX0444236 Rpt	<0.2	8.23%	<1	744	3.5	<0.1	9900	<0.5
SIX0444237	<0.2	6.98%	1	482	2.5	0.2	1.19%	<0.5
SIX0444238	<0.2	7.34%	1	518	2.0	0.3	1.98%	<0.5
SIX0444239	<0.2	7.90%	<1	558	2.0	0.6	1.98%	<0.5
SIX0444240	<0.2	7.50%	2	390	1.0	0.3	4.54%	<0.5
SIX0444241	<0.2	8.98%	1	822	3.5	0.2	2.56%	<0.5
SIX0444242	<0.2	8.85%	1	504	2.0	0.2	4.25%	<0.5
SIX0444243	<0.2	5.10%	1	332	1.0	0.1	1.73%	<0.5
Std Nominal	25.8	4.82%	240	2710	3.0	4.0	1.47%	100
Determined	25.6	4.83%	244	NR	2.5	4.0	1.49%	100
SIX0444244	<0.2	6.91%	2	494	1.5	<0.1	1.44%	<0.5
SIX0444245	<0.2	8.29%	3	558	4.5	0.2	4.32%	<0.5
SIX0444246	<0.2	8.17%	4	886	4.0	0.2	5.20%	<0.5
SIX0444247	<0.2	7.13%	4	1070	1.5	<0.1	2.58%	<0.5
SIX0444248	<0.2	6.22%	3	830	1.5	<0.1	1.48%	<0.5
SIX0444249	<0.2	7.95%	1	406	1.5	0.1	4.50%	<0.5
SIX0444250	<0.2	8.44%	1	168	1.0	0.2	7.00%	<0.5
SIX0444251	<0.2	9.47%	1	526	2.0	<0.1	3.26%	<0.5
SIX0444252	<0.2	7.06%	1	616	1.0	<0.1	2.85%	<0.5
SIX0444253	<0.2	7.74%	2	520	1.5	0.1	2.98%	<0.5
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	5.8	6.80%	99	130	1.0	3.3	2.41%	8.5
SIX0444254	<0.2	7.06%	2	626	1.5	<0.1	1.76%	<0.5
SIX0444255	<0.2	6.05%	2	696	1.5	<0.1	1.45%	<0.5
SIX0444256	<0.2	5.74%	2	916	1.0	<0.1	1.19%	<0.5
SIX0444257	<0.2	5.89%	2	584	2.0	<0.1	1.71%	<0.5
SIX0444257 Rpt	<0.2	5.76%	2	576	2.0	<0.1	1.68%	<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
SIX0444258	<0.2	6.28%	2	674	1.5	<0.1	1.90%	<0.5
SIX0444259	<0.2	6.39%	1	876	1.0	<0.1	1.15%	<0.5
SIX0444259Q	11.0	6.85%	138	510	2.0	8.4	1.18%	76.5
BLANK 3	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444260	<0.2	5.89%	1	684	1.0	<0.1	1.20%	<0.5
SIX0444261	<0.2	6.64%	2	902	1.5	<0.1	1.21%	<0.5
SIX0444262	<0.2	6.29%	2	724	1.0	<0.1	1.40%	<0.5
SIX0444263	<0.2	6.78%	2	854	1.0	<0.1	1.43%	<0.5
SIX0444264	<0.2	5.86%	1	634	1.0	<0.1	1.42%	<0.5
SIX0444265	<0.2	5.94%	2	990	0.5	<0.1	5500	<0.5
SIX0444266	<0.2	5.72%	2	934	2.0	<0.1	4600	<0.5
SIX0444267	<0.2	6.41%	1	704	1.0	<0.1	9900	<0.5
SIX0444268	<0.2	6.28%	1	1100	1.0	<0.1	6300	<0.5
Std Nominal		4.63%	3	984	1.5	<0.1	600	<0.5
Determined	<0.2	4.86%	4	1000	1.5	<0.1	700	<0.5
SIX0444269	<0.2	5.96%	2	966	1.0	<0.1	5400	<0.5
SIX0444270	<0.2	6.06%	2	878	1.0	<0.1	6700	<0.5
SIX0444271	<0.2	6.49%	2	710	1.0	<0.1	1.10%	<0.5
SIX0444272	<0.2	6.21%	2	612	1.0	<0.1	1.22%	<0.5
SIX0444273	<0.2	6.38%	2	920	1.0	<0.1	8000	<0.5
SIX0444274	<0.2	6.10%	2	708	1.5	<0.1	1.49%	<0.5
SIX0444275	<0.2	6.20%	1	642	1.5	0.1	1.07%	<0.5
SIX0444276	<0.2	6.32%	2	570	1.5	<0.1	1.13%	<0.5
SIX0444276 Rpt	<0.2	6.20%	2	562	1.5	<0.1	1.11%	<0.5
SIX0444277	<0.2	6.09%	2	634	1.0	<0.1	8600	<0.5
SIX0444278	<0.2	5.69%	1	546	1.0	<0.1	1.53%	<0.5
SIX0444279	<0.2	5.72%	2	414	1.0	0.1	2.78%	<0.5
SIX0444280	<0.2	5.61%	2	814	1.0	<0.1	1.14%	<0.5
SIX0444281	<0.2	5.60%	1	722	1.0	<0.1	8200	<0.5
SIX0444282	<0.2	5.73%	3	152	1.5	<0.1	1.51%	<0.5
SIX0444283	<0.2	5.57%	2	180	1.0	<0.1	1.34%	<0.5
Std Nominal	2.0	5.25%	331		1.5	8.4	2.41%	<0.5
Determined	2.0	5.12%	337	660	1.5	8.4	2.38%	<0.5
SIX0444284	<0.2	5.66%	2	696	2.0	<0.1	6400	<0.5
SIX0444284Q	<0.2	7.98%	25	1110	3.0	0.2	2.61%	<0.5
SIX0444285	<0.2	6.11%	2	482	1.5	<0.1	2.90%	<0.5
SIX0444286	<0.2	6.08%	2	760	1.0	<0.1	9300	<0.5
SIX0444287	<0.2	5.89%	3	700	1.0	<0.1	2.21%	<0.5
SIX0444288	<0.2	6.62%	2	530	1.0	<0.1	8000	<0.5
SIX0444289	<0.2	6.28%	2	760	1.0	<0.1	6100	<0.5
SIX0444290	<0.2	6.19%	2	752	1.5	<0.1	5800	<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
SIX0444291	<0.2	6.08%	2	722	1.5	<0.1	8000	<0.5
SIX0444292	<0.2	6.40%	1	620	1.0	<0.1	1.44%	<0.5
SIX0444293	<0.2	6.48%	1	812	1.0	0.1	7600	<0.5
SIX0444294	<0.2	6.52%	2	618	1.0	<0.1	2.06%	<0.5
SIX0444295	<0.2	7.01%	1	450	1.5	<0.1	2.59%	<0.5
Std Nominal	0.8	7.68%	18	1010	3.0	1.5	2.71%	<0.5
Determined	0.8	7.49%	19	990	2.5	1.6	2.75%	<0.5
SIX0444296	<0.2	6.12%	1	322	1.0	0.1	4.96%	<0.5
SIX0444297	<0.2	6.56%	2	436	1.5	<0.1	3.28%	<0.5
SIX0444298	<0.2	5.90%	2	600	1.5	<0.1	1.47%	<0.5
SIX0444299	<0.2	6.06%	2	676	1.0	<0.1	1.06%	<0.5
SIX0444300	<0.2	6.18%	2	814	1.0	<0.1	1.11%	<0.5
SIX0444301	<0.2	5.50%	2	684	1.0	<0.1	1.33%	<0.5
SIX0444302	<0.2	6.64%	2	642	1.5	0.1	1.08%	<0.5
SIX0444303	<0.2	7.12%	1	306	1.0	<0.1	4.52%	<0.5
SIX0444304	<0.2	7.19%	<1	314	1.0	<0.1	4.67%	<0.5
SIX0444305	<0.2	5.96%	1	748	1.0	<0.1	1.20%	<0.5
SIX0444306	<0.2	5.75%	1	202	3.0	0.2	4.39%	<0.5
SIX0444306 Rpt	<0.2	6.00%	1	206	3.0	0.2	4.48%	<0.5
SIX0444307	<0.2	6.09%	1	646	1.0	<0.1	1.62%	<0.5
SIX0444308	<0.2	5.78%	2	804	1.0	<0.1	5800	<0.5
BLANK 4	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444309	<0.2	5.91%	1	818	1.5	<0.1	6900	<0.5
SIX0444309Q	<0.2	7.88%	2	526	2.0	<0.1	5.64%	<0.5
SIX0444310	<0.2	5.81%	1	816	1.5	<0.1	5300	<0.5
SIX0444311	<0.2	5.63%	1	840	1.0	<0.1	4700	<0.5
Std Nominal	25.8	4.82%	240	2710	3.0	4.0	1.47%	100
Determined	25.0	4.77%	231	NR	2.5	4.0	1.49%	97.5
SIX0444312	<0.2	5.80%	2	822	1.5	<0.1	5800	<0.5
SIX0444313	<0.2	6.45%	1	586	2.5	<0.1	2.45%	<0.5
SIX0444314	<0.2	6.12%	2	488	2.0	<0.1	2.27%	<0.5
SIX0444315	<0.2	6.96%	3	716	2.0	0.2	2.77%	<0.5
SIX0444316	<0.2	7.86%	1	268	1.5	0.2	5.21%	<0.5
SIX0444317	<0.2	7.70%	2	610	2.0	0.2	3.97%	<0.5
SIX0444318	<0.2	7.75%	1	652	2.0	<0.1	2.96%	<0.5
SIX0444319	<0.2	8.22%	1	630	2.5	<0.1	3.68%	<0.5
SIX0444320	<0.2	8.05%	1	486	2.5	<0.1	4.21%	<0.5
SIX0444321	<0.2	7.87%	1	584	2.0	<0.1	3.98%	<0.5
SIX0444322	<0.2	7.93%	1	404	2.0	<0.1	4.61%	<0.5
SIX0444322 Rpt	<0.2	7.92%	<1	404	2.0	<0.1	4.61%	<0.5
SIX0444323	<0.2	8.15%	1	488	2.0	0.1	4.40%	<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
SIX0444324	<0.2	8.07%	2	494	2.5	<0.1	4.07%	<0.5
SIX0444325	<0.2	7.98%	1	564	2.0	<0.1	3.90%	<0.5
SIX0444326	<0.2	7.93%	1	566	2.5	<0.1	4.00%	<0.5
SIX0444327	<0.2	7.96%	1	866	2.0	<0.1	2.73%	<0.5
SIX0444328	<0.2	8.71%	2	556	2.0	0.1	5.30%	<0.5
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	6.2	6.57%	92	126	1.0	3.3	2.38%	9.0
SIX0444329	<0.2	7.91%	2	322	3.5	0.2	8.56%	<0.5
SIX0444330	<0.2	7.45%	<1	376	3.0	<0.1	5.23%	<0.5
SIX0444331	<0.2	7.62%	<1	344	2.0	0.1	4.73%	<0.5
SIX0444332	<0.2	6.65%	1	640	1.5	<0.1	3.06%	<0.5
SIX0444333	<0.2	5.98%	1	658	1.0	<0.1	1.74%	<0.5
SIX0444334	<0.2	6.44%	1	538	2.0	<0.1	2.43%	<0.5
SIX0444334Q	<0.2	7.77%	1	534	2.0	<0.1	5.66%	<0.5
SIX0444335	<0.2	7.77%	<1	274	2.5	0.1	4.81%	<0.5
SIX0444336	<0.2	6.41%	1	748	1.5	<0.1	1.38%	<0.5
SIX0444337	<0.2	7.58%	1	300	1.5	0.2	4.78%	<0.5
Std Nominal		4.63%	3	984	1.5	<0.1	600	<0.5
Determined	<0.2	4.83%	5	1020	1.5	<0.1	800	<0.5
SIX0444338	<0.2	8.77%	1	146	3.5	0.2	5.50%	<0.5
SIX0444339	<0.2	7.91%	1	182	1.5	0.2	7.13%	<0.5
SIX0444340	<0.2	8.17%	<1	184	2.5	0.2	5.78%	<0.5
SIX0444341	<0.2	8.13%	1	194	1.5	0.2	6.11%	<0.5
SIX0444342	<0.2	6.54%	1	766	1.5	<0.1	1.41%	<0.5
SIX0444343	<0.2	6.38%	1	950	1.5	<0.1	1.16%	<0.5
SIX0444343 Rpt	<0.2	6.21%	<1	922	1.5	<0.1	1.14%	<0.5
SIX0444344	<0.2	6.18%	2	844	1.5	<0.1	1.29%	<0.5
SIX0444345	<0.2	5.84%	1	848	1.0	<0.1	1.18%	<0.5
BLANK 5	<0.2	<100	2	<2	<0.5	<0.1	<100	<0.5
SIX0444346	<0.2	6.44%	2	506	1.0	0.1	3.40%	<0.5
SIX0444347	<0.2	7.27%	1	252	1.0	0.2	5.47%	<0.5
SIX0444348	<0.2	7.30%	1	252	1.0	0.2	5.56%	<0.5
SIX0444349	<0.2	6.09%	1	674	1.5	<0.1	1.78%	<0.5
SIX0444350	<0.2	6.64%	1	458	2.0	<0.1	2.96%	<0.5
Std Nominal	2.0	5.25%	331		1.5	8.4	2.41%	<0.5
Determined	2.2	5.15%	336	464	1.5	8.7	2.42%	<0.5
SIX0444351	<0.2	6.21%	1	414	1.5	<0.1	1.88%	<0.5
SIX0444352	<0.2	6.29%	2	742	2.0	<0.1	9500	<0.5
SIX0444353	<0.2	5.86%	1	836	1.0	<0.1	8000	<0.5
SIX0444354	<0.2	7.48%	2	278	2.5	0.2	4.31%	<0.5
SIX0444355	<0.2	7.64%	1	358	2.0	0.2	5.33%	<0.5



Reference: aa078099.a Order Number: OGDD002 Page 7 of 57

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
SIX0444356	<0.2	6.51%	1	452	2.0	0.2	4.15%	<0.5
SIX0444357	<0.2	7.50%	1	314	1.5	0.2	5.01%	<0.5
SIX0444357 Rpt	<0.2	7.43%	1	310	1.5	0.2	4.98%	<0.5
SIX0444358	<0.2	8.05%	<1	168	3.5	0.2	4.46%	<0.5
Std Nominal	0.8	7.68%	18	1010	3.0	1.5	2.71%	<0.5
Determined	0.8	7.85%	16	1010	3.0	1.7	2.78%	<0.5



Reference: aa078099.a Order Number: OGDD002 Page 8 of 57

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
SIX0444064	Sample Not Received							
SIX0444065	Sample Not Received							
SIX0444066	Sample Not Received							
SIX0444067	Sample Not Received							
SIX0444068	Sample Not Received							
Std Nominal	27	40	5.1	246	9.69%	12.4	3.0	0.35
Determined	27	30	5.2	248	9.55%	12.4	3.0	0.35
SIX0444069	Sample Not Received							
SIX0444070	Sample Not Received							
SIX0444071	Sample Not Received							
SIX0444072	Sample Not Received							
SIX0444073	Sample Not Received							
SIX0444074	Sample Not Received							
SIX0444075	Sample Not Received							
SIX0444075 Rpt	Sample Not Received							
SIX0444076	Sample Not Received							
SIX0444077	Sample Not Received							
SIX0444078	Sample Not Received							
SIX0444079	Sample Not Received							
SIX0444080	Sample Not Received							
SIX0444081	Sample Not Received							
SIX0444082	Sample Not Received							
SIX0444083	Sample Not Received							
SIX0444084	Sample Not Received							
SIX0444084Q	Sample Not Received							
SIX0444085	44	90	0.2	72	8.88%	24.2	2.6	0.15
SIX0444086	54	120	0.8	86	9.66%	24.6	2.0	0.15
SIX0444087	58	120	0.2	76	10.5%	23.2	1.2	0.15
SIX0444088	55	130	0.2	74	10.1%	22.4	1.0	0.15
Std Nominal	43	220		1520	8.65%			
Determined	45	220	17.2	1480	8.40%	20.8	2.6	0.65
SIX0444089	56	120	0.4	106	10.3%	22.2	1.0	0.15
SIX0444090	51	120	0.8	86	9.82%	22.4	1.2	0.15
SIX0444091	61	90	2.3	114	10.7%	23.8	1.2	0.10
SIX0444092	45	120	2.4	72	8.20%	22.2	1.4	0.10



Reference: aa078099.a Order Number: OGDD002 Page 9 of 57

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
SIX0444093	58	130	1.2	102	10.6%	23.4	1.4	0.15
SIX0444094	54	150	0.8	96	9.50%	20.8	1.4	0.10
SIX0444095	60	150	0.4	94	10.9%	22.2	1.2	0.10
SIX0444096	64	150	1.3	102	11.3%	23.2	1.0	0.10
SIX0444097	40	130	2.8	86	8.41%	23.4	1.0	0.10
SIX0444097 Rpt	40	130	2.8	84	8.22%	23.8	1.0	0.10
SIX0444098	27	70	4.9	94	6.65%	26.0	1.2	0.05
SIX0444099	26	70	4.6	128	6.18%	24.6	0.8	0.10
SIX0444100	38	60	4.2	84	8.32%	24.4	0.8	0.10
SIX0444201	35	60	3.4	90	8.40%	26.2	0.8	0.10
Std Nominal	4	30	0.7	2	1.57%	11.0	1.6	<0.05
Determined	4	20	0.8	4	1.64%	10.8	1.4	<0.05
SIX0444202	39	120	2.7	58	7.78%	24.0	1.2	0.10
SIX0444203	57	130	0.5	68	9.69%	23.4	0.8	0.10
SIX0444204	52	150	0.5	82	9.45%	21.4	0.8	0.10
SIX0444205	40	160	0.8	74	10.0%	18.8	0.8	0.15
SIX0444206	44	160	1.1	82	9.86%	19.2	1.0	0.10
SIX0444207	53	150	1.5	56	10.1%	20.8	1.0	0.15
SIX0444208	26	60	2.9	54	7.16%	28.0	1.0	0.10
SIX0444209	32	70	3.5	40	6.86%	20.6	1.0	0.05
SIX0444209Q	7	10	5.0	518	6.05%	14.8	2.8	0.35
SIX0444210	70	130	3.8	110	10.1%	23.4	1.2	0.10
SIX0444211	59	120	3.5	78	9.32%	22.0	1.0	0.10
SIX0444212	37	120	3.8	58	8.22%	24.8	0.8	0.10
SIX0444213	34	90	4.6	78	7.77%	23.6	1.0	0.10
SIX0444214	52	190	2.5	114	9.27%	18.2	1.2	0.10
Std Nominal	379	20	2.4	%1.35	%16.8	18.0	4.8	0.30
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444215	37	60	1.2	48	10.9%	26.0	1.2	0.10
SIX0444216	41	90	2.3	86	9.40%	23.6	1.0	0.10
SIX0444217	41	130	3.8	148	9.61%	23.4	0.6	0.10
SIX0444218	40	160	1.7	154	10.2%	20.8	0.8	0.15
SIX0444219	39	120	1.8	48	8.65%	20.6	1.0	0.10
SIX0444220	59	30	0.8	92	12.3%	24.8	1.0	0.15
SIX0444221	43	120	3.2	64	9.10%	21.2	1.4	0.10
SIX0444221 Rpt	42	130	3.2	64	9.13%	21.2	1.2	0.10
SIX0444222	49	190	1.0	116	10.7%	18.8	0.8	0.10
SIX0444223	38	150	3.2	104	10.4%	24.8	0.6	0.10
SIX0444224	34	90	4.5	30	8.62%	25.4	1.0	0.05
SIX0444225	41	190	4.4	48	8.36%	24.2	1.2	0.10
SIX0444226	43	90	4.7	52	8.93%	22.4	0.8	0.10



Reference: aa078099.a Order Number: OGDD002 Page 10 of 57

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
SIX0444227	33	70	4.7	40	8.35%	21.4	1.8	0.05
SIX0444228	36	90	4.2	100	7.71%	21.6	1.8	0.10
SIX0444229	43	220	3.5	132	6.17%	20.0	1.0	0.10
SIX0444230	38	150	6.7	150	7.04%	25.2	0.8	0.10
Std Nominal	16	90	12.2	2600	4.54%	19.6	2.6	0.20
Determined	15	90	11.8	2580	4.64%	18.8	2.2	0.20
SIX0444231	64	410	7.8	326	6.79%	17.6	0.6	0.10
BLANK 2	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0444232	45	240	11.5	192	5.09%	21.8	0.6	0.05
SIX0444233	24	70	9.7	62	6.98%	26.4	0.8	0.10
SIX0444234	24	70	10.3	16	6.92%	23.2	0.8	0.10
SIX0444234Q	42	150	1.2	44	8.19%	22.2	4.6	0.05
SIX0444235	22	60	7.9	14	6.53%	22.2	1.0	0.10
SIX0444236	27	90	6.3	56	7.43%	20.6	0.4	0.10
SIX0444236 Rpt	26	70	6.3	56	7.42%	21.2	0.4	0.10
SIX0444237	18	30	5.0	56	5.72%	19.2	0.6	0.10
SIX0444238	15	30	4.1	72	5.31%	22.4	1.4	0.10
SIX0444239	17	60	6.4	36	5.98%	24.0	2.0	0.10
SIX0444240	31	120	3.4	138	7.76%	23.6	1.2	0.10
SIX0444241	35	130	7.2	108	9.04%	26.4	0.6	0.10
SIX0444242	27	120	5.5	170	6.99%	24.8	1.2	0.10
SIX0444243	8	20	1.8	16	4.23%	20.0	1.8	0.05
Std Nominal	27	40	5.1	246	9.69%	12.4	3.0	0.35
Determined	26	30	5.1	244	9.72%	12.0	2.8	0.35
SIX0444244	12	30	4.1	14	5.32%	21.8	1.0	0.10
SIX0444245	15	30	3.0	10	5.64%	24.6	1.0	0.10
SIX0444246	10	20	2.1	6	4.58%	24.2	0.8	0.15
SIX0444247	7	20	1.5	32	3.78%	21.2	2.0	0.10
SIX0444248	2	<10	1.5	40	2.62%	19.8	4.4	0.10
SIX0444249	38	190	3.3	206	7.69%	21.4	1.8	0.10
SIX0444250	53	310	1.2	162	7.82%	17.6	0.8	0.10
SIX0444251	33	150	4.5	64	7.52%	24.8	0.8	0.10
SIX0444252	19	70	2.4	42	5.05%	18.2	1.8	0.05
SIX0444253	18	70	2.3	54	4.73%	21.8	3.0	0.05
Std Nominal	43	220		1520	8.65%			
Determined	43	220	16.5	1520	8.43%	20.2	2.4	0.60
SIX0444254	3	<10	1.5	42	2.46%	20.4	3.6	0.05
SIX0444255	2	<10	1.0	38	2.31%	18.8	2.8	0.05
SIX0444256	2	<10	1.0	40	2.72%	18.4	2.8	0.10
SIX0444257	2	<10	0.8	12	2.71%	18.4	3.6	0.10
SIX0444257 Rpt	2	<10	0.8	14	2.66%	17.8	3.6	0.10



Reference: aa078099.a Order Number: OGDD002 Page 11 of 57

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
SIX0444258	8	20	1.5	18	3.80%	18.8	3.4	0.10
SIX0444259	4	<10	1.3	14	2.89%	19.4	3.2	0.10
SIX0444259Q	4	10	5.7	1700	4.01%	19.6	5.8	1.90
BLANK 3	<1	<10	<0.1	2	<100	<0.2	<0.2	<0.05
SIX0444260	2	<10	1.0	16	3.07%	19.8	3.0	0.10
SIX0444261	1	<10	0.8	14	2.59%	21.4	4.0	0.15
SIX0444262	4	<10	0.8	24	2.93%	21.4	3.8	0.10
SIX0444263	7	<10	1.3	20	3.05%	20.4	3.0	0.10
SIX0444264	6	20	1.1	30	3.37%	20.4	3.8	0.10
SIX0444265	2	<10	0.7	12	2.73%	19.2	3.4	0.15
SIX0444266	1	<10	0.8	8	2.55%	19.4	4.6	0.15
SIX0444267	2	<10	0.7	14	2.58%	21.2	3.2	0.10
SIX0444268	2	<10	0.8	36	2.70%	18.4	3.0	0.15
Std Nominal	4	30	0.7	2	1.57%	11.0	1.6	<0.05
Determined	4	30	0.7	2	1.60%	10.6	1.4	<0.05
SIX0444269	1	<10	0.8	10	2.61%	19.8	3.2	0.15
SIX0444270	2	<10	0.8	28	2.96%	19.8	3.2	0.15
SIX0444271	2	<10	0.8	18	2.44%	20.8	2.8	0.10
SIX0444272	3	<10	0.7	20	2.56%	20.6	2.0	0.10
SIX0444273	1	<10	0.8	14	2.34%	19.8	3.0	0.10
SIX0444274	2	<10	1.1	10	2.56%	20.4	2.8	0.10
SIX0444275	2	<10	1.1	6	2.31%	20.4	2.8	0.10
SIX0444276	1	<10	1.1	12	2.52%	21.2	4.2	0.10
SIX0444276 Rpt	2	<10	1.1	10	2.51%	21.8	4.2	0.10
SIX0444277	2	<10	1.1	6	2.79%	20.8	4.4	0.10
SIX0444278	8	30	1.1	20	3.42%	18.8	3.0	0.10
SIX0444279	19	80	1.6	48	5.06%	18.2	2.8	0.10
SIX0444280	5	20	1.0	22	3.18%	18.2	2.6	0.10
SIX0444281	2	<10	1.0	22	2.82%	19.2	3.4	0.10
SIX0444282	2	<10	0.8	12	2.39%	18.4	3.0	0.05
SIX0444283	3	<10	1.0	14	2.57%	19.2	3.8	0.10
Std Nominal	379	20	2.4	1.35%	16.8 %	18.0	4.8	0.30
Determined	375	30	2.3	1.31%	16.4%	18.2	4.6	0.30
SIX0444284	2	<10	0.8	30	2.81%	18.6	4.2	0.10
SIX0444284Q	13	50	15.5	44	3.73%	19.6	2.4	<0.05
SIX0444285	18	50	1.5	52	5.27%	18.6	2.4	0.10
SIX0444286	4	20	1.1	20	2.98%	18.8	2.8	0.10
SIX0444287	13	50	1.3	44	4.13%	18.6	3.2	0.10
SIX0444288	<1	<10	0.7	28	1.75%	19.2	2.0	0.05
SIX0444289	1	<10	1.1	28	2.47%	20.6	3.8	0.10
SIX0444290	1	<10	1.0	20	2.61%	20.4	4.6	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
SIX0444291	3	20	1.1	40	2.95%	20.4	5.0	0.10
SIX0444292	8	30	0.7	48	3.59%	19.8	3.6	0.10
SIX0444293	2	<10	0.8	48	2.63%	20.0	4.4	0.10
SIX0444294	14	20	2.1	42	4.14%	19.2	4.0	0.10
SIX0444295	15	20	1.8	38	3.64%	19.2	1.8	0.05
Std Nominal	16	90	12.2	2600	4.54%	19.6	2.6	0.20
Determined	14	80	11.6	2670	4.56%	19.2	2.2	0.20
SIX0444296	33	130	1.1	66	7.77%	17.8	1.8	0.10
SIX0444297	25	80	1.2	48	5.96%	19.8	2.6	0.10
SIX0444298	5	20	1.0	26	3.10%	18.4	2.8	0.10
SIX0444299	3	<10	1.1	12	2.86%	19.2	1.8	0.05
SIX0444300	4	<10	1.3	56	2.75%	19.2	2.8	0.05
SIX0444301	6	<10	1.3	22	3.34%	18.0	3.0	0.10
SIX0444302	2	<10	1.2	6	2.39%	20.4	2.8	0.05
SIX0444303	34	130	0.4	54	7.06%	20.6	2.2	0.10
SIX0444304	37	160	0.8	58	7.39%	19.2	1.4	0.05
SIX0444305	5	<10	1.5	18	3.14%	18.8	2.2	0.05
SIX0444306	23	80	2.1	30	6.41%	18.6	1.4	0.20
SIX0444306 Rpt	24	80	2.1	28	6.57%	18.8	1.4	0.20
SIX0444307	10	50	1.3	22	3.76%	19.8	2.4	0.10
SIX0444308	1	<10	0.7	6	2.75%	20.0	3.8	0.10
BLANK 4	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0444309	1	<10	0.7	10	2.73%	20.0	3.6	0.10
SIX0444309Q	43	160	1.2	42	8.02%	23.2	5.0	0.05
SIX0444310	1	<10	0.8	18	2.86%	20.4	4.6	0.15
SIX0444311	1	<10	0.8	12	2.75%	20.2	4.0	0.15
Std Nominal	27	40	5.1	246	9.69%	12.4	3.0	0.35
Determined	26	40	5.0	252	9.51%	12.4	2.8	0.35
SIX0444312	1	<10	0.7	14	2.66%	20.6	4.0	0.10
SIX0444313	12	40	1.3	32	3.94%	20.6	3.6	0.10
SIX0444314	12	40	1.9	28	4.12%	20.2	1.4	0.10
SIX0444315	19	70	2.5	54	5.09%	21.2	1.8	0.10
SIX0444316	38	220	3.9	82	6.42%	19.6	1.0	0.10
SIX0444317	23	70	2.9	94	6.89%	22.8	1.0	0.10
SIX0444318	18	100	2.8	48	5.20%	20.4	1.0	0.10
SIX0444319	24	60	3.6	64	7.03%	24.6	1.0	0.10
SIX0444320	25	60	3.4	66	7.10%	23.8	1.2	0.15
SIX0444321	24	60	3.6	64	7.15%	24.6	1.2	0.15
SIX0444322	33	120	3.2	84	8.08%	24.4	1.2	0.15
SIX0444322 Rpt	33	120	3.1	82	8.05%	23.8	1.2	0.10
SIX0444323	25	130	4.0	56	7.13%	23.6	1.8	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
SIX0444324	25	100	4.5	94	7.09%	25.4	1.2	0.10
SIX0444325	26	70	4.0	68	7.12%	24.8	1.2	0.10
SIX0444326	25	60	4.0	74	7.16%	24.8	1.0	0.10
SIX0444327	19	60	5.0	48	6.09%	23.4	1.2	0.10
SIX0444328	23	120	2.7	44	4.81%	20.4	1.0	0.10
Std Nominal	43	220		1520	8.65%			
Determined	42	220	16.4	1480	8.65%	20.4	2.4	0.60
SIX0444329	23	120	1.5	44	6.44%	21.6	1.4	0.15
SIX0444330	20	40	1.9	52	5.84%	21.2	1.2	0.10
SIX0444331	42	170	4.4	60	5.62%	17.6	1.2	0.10
SIX0444332	17	40	1.6	32	5.05%	21.4	2.2	0.10
SIX0444333	8	20	0.5	18	3.41%	20.2	2.6	0.10
SIX0444334	11	40	0.8	32	4.69%	23.6	2.2	0.15
SIX0444334Q	43	140	1.2	42	8.16%	23.4	5.0	0.05
SIX0444335	33	130	2.1	54	7.66%	23.4	1.4	0.15
SIX0444336	3	<10	0.6	28	3.17%	22.0	2.2	0.10
SIX0444337	34	120	1.1	64	7.53%	21.6	2.0	0.10
Std Nominal	4	30	0.7	2	1.57%	11.0	1.6	<0.05
Determined	4	40	0.7	6	1.63%	10.8	1.4	<0.05
SIX0444338	40	200	3.0	72	8.30%	22.8	0.8	0.10
SIX0444339	56	290	1.0	82	10.6%	22.2	1.0	0.15
SIX0444340	55	230	2.9	122	10.5%	23.6	1.0	0.15
SIX0444341	52	220	2.9	90	10.6%	20.6	1.0	0.15
SIX0444342	6	20	1.6	30	3.60%	21.2	3.8	0.10
SIX0444343	7	20	1.3	8	3.45%	19.4	3.8	0.10
SIX0444343 Rpt	7	<10	1.3	8	3.37%	20.2	4.0	0.10
SIX0444344	9	20	1.1	18	3.68%	23.2	4.6	0.15
SIX0444345	7	60	1.2	12	2.97%	20.2	2.4	0.10
BLANK 5	<1	<10	<0.1	2	<100	<0.2	<0.2	<0.05
SIX0444346	27	160	1.3	46	5.22%	18.0	2.0	0.05
SIX0444347	49	200	2.7	80	8.96%	20.6	2.0	0.10
SIX0444348	49	220	2.9	66	8.69%	20.6	1.8	0.10
SIX0444349	12	60	1.6	22	3.98%	22.8	2.6	0.10
SIX0444350	22	70	1.8	38	5.39%	22.2	2.8	0.10
Std Nominal	379	20	2.4	1.35%	16.8 %	18.0	4.8	0.30
Determined	389	40	2.4	1.31%	16.9%	18.8	5.0	0.30
SIX0444351	6	<10	1.0	32	3.35%	20.8	3.6	0.10
SIX0444352	4	<10	1.6	60	2.82%	23.6	4.4	0.10
SIX0444353	3	<10	1.3	36	2.50%	20.0	5.0	0.10
SIX0444354	31	70	1.2	60	6.09%	24.0	2.6	0.15
SIX0444355	51	160	2.1	64	9.31%	25.2	1.4	0.15



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444356	30	60	1.6	20	8.39%	22.6	2.0	0.20
SIX0444357	40	100	1.1	56	8.79%	22.8	1.4	0.15
SIX0444357 Rpt	39	100	1.0	56	8.62%	22.6	1.4	0.15
SIX0444358	14	40	1.6	32	3.90%	24.6	1.8	0.10
Std Nominal	16	90	12.2	2600	4.54%	19.6	2.6	0.20
Determined	17	70	12.1	2630	4.64%	19.2	2.4	0.20



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
BLANK 1	200	<10	<100	<2	<0.5	<100	<0.5	<2
SIX0444064	Sample Not Received							
SIX0444065	Sample Not Received							
SIX0444066	Sample Not Received							
SIX0444067	Sample Not Received							
SIX0444068	Sample Not Received							
Std Nominal	4.40%	50	8200	3250	10.0	1500	7.0	38
Determined	4.33%	40	8000	3300	10.0	1500	7.5	40
SIX0444069	Sample Not Received							
SIX0444070	Sample Not Received							
SIX0444071	Sample Not Received							
SIX0444072	Sample Not Received							
SIX0444073	Sample Not Received							
SIX0444074	Sample Not Received							
SIX0444075	Sample Not Received							
SIX0444075 Rpt	Sample Not Received							
SIX0444076	Sample Not Received							
SIX0444077	Sample Not Received							
SIX0444078	Sample Not Received							
SIX0444079	Sample Not Received							
SIX0444080	Sample Not Received							
SIX0444081	Sample Not Received							
SIX0444082	Sample Not Received							
SIX0444083	Sample Not Received							
SIX0444084	Sample Not Received							
SIX0444084Q	Sample Not Received							
SIX0444085	4800	<10	2.97%	1410	1.0	1.72%	10.5	72
SIX0444086	5600	<10	3.50%	1570	1.0	1.63%	11.5	84
SIX0444087	3000	<10	3.96%	1700	<0.5	1.49%	8.5	92
SIX0444088	3000	<10	3.78%	1650	<0.5	1.49%	8.5	94
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.30%	<10	1.76%	1170	56.5	1.27%	5.5	74
SIX0444089	3700	<10	3.74%	1650	1.0	1.44%	8.0	94
SIX0444090	6100	<10	3.73%	1600	1.0	1.46%	11.5	100
SIX0444091	8900	<10	3.51%	1480	1.0	1.39%	12.0	118
SIX0444092	1.03%	<10	3.30%	1240	1.0	1.60%	14.5	114



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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
SIX0444093	7600	10	3.55%	1600	1.0	1.60%	10.0	108
SIX0444094	5900	<10	3.76%	1560	<0.5	1.49%	9.5	138
SIX0444095	3600	10	4.24%	1660	<0.5	1.39%	8.0	130
SIX0444096	5100	<10	4.16%	1710	<0.5	1.33%	10.5	136
SIX0444097	1.93%	20	3.84%	1360	1.0	1.60%	11.5	90
SIX0444097 Rpt	1.89%	20	3.75%	1340	1.0	1.56%	12.0	92
SIX0444098	2.33%	30	2.41%	928	<0.5	1.77%	14.5	54
SIX0444099	2.33%	30	2.29%	760	1.0	1.79%	14.0	48
SIX0444100	1.43%	10	2.63%	1230	<0.5	1.72%	14.5	44
SIX0444201	1.32%	10	2.58%	1320	<0.5	1.88%	14.0	44
Std Nominal	2.59%	<10	2300	780	7.0	2300	7.5	8
Determined	2.69%	<10	2400	790	6.5	2400	7.0	10
SIX0444202	1.58%	20	3.35%	1300	1.0	1.61%	16.5	80
SIX0444203	4000	<10	4.33%	1740	1.0	1.53%	10.0	114
SIX0444204	4100	<10	4.50%	1730	<0.5	1.39%	8.5	122
SIX0444205	6300	10	4.56%	1750	<0.5	1.32%	11.0	114
SIX0444206	5300	<10	4.77%	1830	<0.5	1.34%	10.0	118
SIX0444207	6200	10	4.78%	1870	<0.5	1.31%	11.0	104
SIX0444208	1.64%	10	1.92%	948	1.0	1.87%	30.5	54
SIX0444209	1.21%	<10	2.62%	1050	<0.5	1.62%	14.5	76
SIX0444209Q	1.77%	20	8200	3.41%	11.5	7100	8.0	36
SIX0444210	1.16%	10	3.77%	1470	1.0	1.45%	11.0	122
SIX0444211	1.02%	10	3.57%	1430	<0.5	1.30%	10.5	106
SIX0444212	2.07%	10	2.85%	1030	<0.5	1.72%	12.0	100
SIX0444213	2.11%	20	2.84%	1040	1.0	1.88%	12.5	76
SIX0444214	1.14%	10	3.83%	1410	<0.5	1.59%	9.0	176
Std Nominal	%3.28	20	7700	3230	190	%1.15	12.0	54
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444215	1.04%	<10	2.31%	1300	<0.5	1.58%	9.0	76
SIX0444216	1.21%	10	2.87%	1390	<0.5	1.57%	12.5	70
SIX0444217	1.50%	10	3.01%	1570	1.0	1.72%	13.0	60
SIX0444218	6600	10	3.16%	1780	1.0	1.70%	11.0	56
SIX0444219	9100	10	3.10%	1410	1.0	1.68%	9.0	92
SIX0444220	6300	10	3.17%	1820	1.0	1.36%	7.0	72
SIX0444221	1.16%	20	3.34%	1440	1.0	1.50%	10.0	112
SIX0444221 Rpt	1.17%	20	3.34%	1430	1.5	1.53%	10.5	108
SIX0444222	4900	10	3.61%	1660	1.0	1.48%	8.5	106
SIX0444223	1.83%	20	3.30%	1650	1.0	1.82%	12.5	62
SIX0444224	1.70%	10	2.96%	994	1.0	1.90%	13.5	72
SIX0444225	1.67%	20	3.58%	1210	1.0	1.74%	14.0	114
SIX0444226	1.37%	10	3.06%	1440	<0.5	1.48%	14.5	80



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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
SIX0444227	1.36%	10	2.42%	1020	1.0	1.57%	10.0	54
SIX0444228	1.56%	30	2.70%	1550	1.0	1.79%	9.5	62
SIX0444229	1.42%	20	3.71%	1320	1.0	1.35%	10.0	178
SIX0444230	2.89%	20	2.94%	1260	<0.5	1.60%	21.0	144
Std Nominal	3.14%	30	1.48%	546	99.0	2.08%	18.0	42
Determined	3.09%	30	1.54%	540	98.0	2.07%	18.5	44
SIX0444231	1.03%	10	5.84%	1490	1.5	1.01%	11.0	364
BLANK 2	200	<10	<100	2	<0.5	<100	1.0	<2
SIX0444232	1.16%	20	4.33%	1030	1.0	1.93%	18.5	206
SIX0444233	2.69%	20	1.84%	1440	2.0	2.04%	22.5	52
SIX0444234	3.01%	20	1.79%	1440	1.0	1.12%	16.5	42
SIX0444234Q	1.69%	10	4.63%	1260	4.0	2.34%	41.0	138
SIX0444235	2.27%	20	1.76%	1920	1.0	1.63%	15.0	40
SIX0444236	3.62%	20	1.88%	1580	<0.5	1.09%	17.0	46
SIX0444236 Rpt	3.59%	20	1.89%	1540	<0.5	1.08%	16.5	48
SIX0444237	2.44%	20	1.47%	1410	<0.5	1.47%	18.0	30
SIX0444238	2.46%	20	1.21%	1720	<0.5	1.52%	15.5	26
SIX0444239	2.58%	20	1.48%	2200	1.0	1.72%	19.5	30
SIX0444240	1.55%	20	2.65%	1630	<0.5	1.21%	8.5	62
SIX0444241	2.94%	30	2.86%	1920	<0.5	1.42%	19.5	66
SIX0444242	1.64%	20	2.51%	1400	<0.5	1.79%	14.5	64
SIX0444243	1.37%	20	5000	658	<0.5	1.64%	8.0	20
Std Nominal	4.40%	50	8200	3250	10.0	1500	7.0	38
Determined	4.49%	50	8300	3300	9.5	1500	6.5	38
SIX0444244	2.64%	20	1.27%	1490	<0.5	2.23%	22.0	24
SIX0444245	2.60%	10	1.31%	3230	1.0	1.56%	18.0	28
SIX0444246	2.97%	<10	1.02%	3160	1.0	1.75%	18.5	22
SIX0444247	4.13%	<10	6000	2300	1.0	1.54%	13.5	14
SIX0444248	3.19%	<10	4800	628	1.5	1.71%	17.0	4
SIX0444249	1.79%	10	3.28%	1480	1.0	1.51%	12.5	120
SIX0444250	5700	<10	4.85%	1470	<0.5	1.16%	5.5	160
SIX0444251	2.13%	10	2.84%	1550	1.0	2.30%	14.0	88
SIX0444252	2.58%	<10	1.70%	818	1.0	1.69%	15.0	60
SIX0444253	2.46%	10	1.66%	844	1.0	2.33%	16.0	60
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.34%	<10	1.77%	1180	55.0	1.30%	5.0	74
SIX0444254	2.77%	10	4700	542	3.5	2.26%	17.5	8
SIX0444255	2.44%	<10	4600	428	1.5	1.99%	18.0	4
SIX0444256	3.15%	<10	4600	420	1.5	1.81%	19.0	4
SIX0444257	2.28%	<10	4600	974	1.0	1.80%	17.5	4
SIX0444257 Rpt	2.24%	<10	4400	952	1.0	1.78%	18.0	4



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444258	2.64%	10	9900	904	1.5	1.82%	18.5	20
SIX0444259	3.50%	10	6700	660	1.0	1.84%	20.0	8
SIX0444259Q	2.93%	20	2700	4400	11.0	1.93%	11.0	6
BLANK 3	300	<10	<100	4	<0.5	100	1.0	<2
SIX0444260	2.74%	10	5500	756	1.0	2.19%	20.0	4
SIX0444261	3.37%	<10	3900	570	1.0	2.15%	16.0	4
SIX0444262	2.69%	<10	6000	494	1.0	2.18%	17.0	8
SIX0444263	3.25%	10	8400	780	1.0	2.14%	18.0	16
SIX0444264	2.45%	10	7600	616	1.5	2.15%	16.0	14
SIX0444265	3.70%	<10	5700	740	1.0	1.97%	19.5	6
SIX0444266	3.33%	10	8000	582	<0.5	1.92%	23.5	4
SIX0444267	2.45%	10	5900	640	<0.5	2.56%	21.5	6
SIX0444268	3.52%	10	7000	766	4.5	1.83%	19.0	6
Std Nominal	2.59%	<10	2300	780	7.0	2300	7.5	8
Determined	2.70%	<10	2400	750	6.5	2400	7.5	10
SIX0444269	3.38%	10	6600	566	1.0	1.85%	21.0	4
SIX0444270	3.28%	10	6700	784	1.0	1.88%	21.5	6
SIX0444271	2.92%	10	4800	472	1.0	2.12%	16.5	6
SIX0444272	2.57%	10	5100	490	1.0	2.19%	13.5	6
SIX0444273	3.63%	<10	4100	640	1.0	2.05%	19.0	2
SIX0444274	2.57%	10	4600	524	1.0	1.89%	18.5	4
SIX0444275	2.83%	10	4500	482	<0.5	1.92%	18.0	4
SIX0444276	2.43%	<10	4200	582	3.5	2.18%	19.5	<2
SIX0444276 Rpt	2.37%	10	4200	608	3.5	2.13%	19.0	4
SIX0444277	3.17%	10	5400	602	1.0	1.82%	22.5	4
SIX0444278	2.73%	<10	1.00%	684	1.0	1.66%	18.5	28
SIX0444279	1.96%	<10	1.78%	982	1.0	1.59%	15.5	66
SIX0444280	3.12%	<10	6900	886	1.0	1.51%	17.5	18
SIX0444281	2.95%	<10	5000	514	1.5	1.63%	22.5	6
SIX0444282	9000	10	4100	508	1.0	2.38%	17.5	4
SIX0444283	8900	10	5100	460	1.0	2.23%	22.5	4
Std Nominal	3.28%	20	7700	3230	190	1.15%	12.0	54
Determined	3.16%	10	7400	3150	186	1.12%	11.0	52
SIX0444284	2.65%	<10	7400	720	2.5	1.74%	21.5	4
SIX0444284Q	3.29%	40	1.36%	550	3.5	2.00%	21.0	40
SIX0444285	2.14%	<10	1.59%	860	1.0	1.58%	13.0	52
SIX0444286	3.29%	<10	7200	674	1.0	1.52%	17.5	12
SIX0444287	3.54%	<10	1.13%	758	1.5	1.45%	16.5	42
SIX0444288	4.39%	<10	1700	576	<0.5	1.75%	10.5	<2
SIX0444289	4.55%	<10	3000	662	1.0	1.53%	18.5	4
SIX0444290	4.53%	<10	3400	598	1.0	1.52%	19.5	4



Reference: aa078099.a Order Number: OGDD002 Page 19 of 57

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
SIX0444291	4.10%	<10	5600	614	<0.5	1.47%	21.5	10
SIX0444292	3.87%	<10	7500	688	1.5	1.64%	15.0	26
SIX0444293	4.57%	<10	3500	512	1.5	1.55%	17.5	8
SIX0444294	3.33%	<10	1.47%	772	1.0	1.70%	17.0	44
SIX0444295	2.42%	<10	1.26%	630	<0.5	2.11%	9.5	40
Std Nominal	3.14%	30	1.48%	546	99.0	2.08%	18.0	42
Determined	3.12%	30	1.46%	552	96.5	2.07%	19.0	42
SIX0444296	1.23%	<10	2.86%	1320	1.5	1.83%	8.5	100
SIX0444297	1.62%	<10	2.03%	1020	1.5	1.72%	16.5	72
SIX0444298	2.77%	<10	7000	784	1.5	1.66%	18.0	12
SIX0444299	3.18%	<10	6200	514	1.5	1.70%	19.5	8
SIX0444300	3.38%	<10	7900	516	3.0	1.70%	19.0	8
SIX0444301	2.81%	<10	1.05%	740	1.5	1.58%	22.0	6
SIX0444302	3.07%	<10	4300	450	1.0	2.13%	19.5	6
SIX0444303	1.45%	<10	2.81%	1210	<0.5	1.84%	9.5	126
SIX0444304	1.54%	<10	3.08%	1150	<0.5	1.80%	8.5	138
SIX0444305	3.83%	<10	5900	530	1.5	1.50%	19.5	12
SIX0444306	1.53%	<10	2.48%	1680	1.5	2.08%	15.5	64
SIX0444306 Rpt	1.55%	<10	2.53%	1710	1.5	2.09%	15.0	64
SIX0444307	3.76%	<10	1.19%	614	1.5	1.34%	19.0	34
SIX0444308	4.11%	<10	3300	346	1.5	1.47%	21.0	4
BLANK 4	100	<10	<100	<2	<0.5	<100	<0.5	<2
SIX0444309	3.87%	<10	2700	336	1.0	1.63%	18.5	4
SIX0444309Q	1.69%	10	4.59%	1200	4.0	2.29%	46.0	136
SIX0444310	4.18%	<10	3100	590	2.0	1.52%	20.5	4
SIX0444311	4.38%	<10	3200	534	1.5	1.40%	22.0	2
Std Nominal	4.40%	50	8200	3250	10.0	1500	7.0	38
Determined	4.45%	50	8000	3300	9.5	1600	6.5	38
SIX0444312	4.22%	<10	2700	508	1.5	1.50%	19.0	4
SIX0444313	2.57%	<10	1.25%	1000	1.0	1.65%	17.5	28
SIX0444314	2.16%	20	1.27%	746	1.5	1.84%	25.0	30
SIX0444315	2.49%	20	1.60%	1130	1.0	1.67%	17.0	40
SIX0444316	1.60%	10	3.90%	1560	1.0	1.74%	12.0	132
SIX0444317	1.77%	10	1.89%	1350	1.0	1.84%	16.5	40
SIX0444318	3.31%	10	1.50%	1120	1.0	1.64%	13.5	36
SIX0444319	2.06%	10	1.83%	1270	1.0	1.79%	18.0	32
SIX0444320	1.76%	10	1.92%	1350	1.0	1.77%	17.0	32
SIX0444321	1.98%	10	1.83%	1380	1.0	1.67%	14.5	28
SIX0444322	1.44%	10	2.45%	1440	1.0	1.62%	14.0	66
SIX0444322 Rpt	1.45%	10	2.45%	1420	1.0	1.63%	14.0	66
SIX0444323	1.71%	10	2.25%	1510	1.0	1.74%	16.5	40



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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
SIX0444324	1.85%	10	1.94%	1370	1.0	1.72%	9.5	36
SIX0444325	1.86%	20	2.03%	1310	1.0	1.60%	16.0	44
SIX0444326	1.80%	10	1.93%	1260	1.0	1.76%	18.0	34
SIX0444327	3.51%	20	1.54%	1080	1.0	1.52%	20.0	28
SIX0444328	1.73%	20	2.33%	1140	<0.5	2.06%	12.0	56
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.35%	<10	1.77%	1180	53.0	1.30%	5.0	74
SIX0444329	6200	10	2.03%	4390	1.5	1.31%	15.0	50
SIX0444330	1.01%	10	1.57%	2310	1.0	1.66%	11.5	40
SIX0444331	1.57%	20	4.36%	1320	1.0	1.78%	8.0	218
SIX0444332	1.60%	10	1.69%	928	<0.5	1.72%	17.0	54
SIX0444333	2.82%	10	8500	712	<0.5	1.54%	16.0	24
SIX0444334	2.17%	<10	1.26%	1030	<0.5	1.57%	17.5	26
SIX0444334Q	1.69%	10	4.51%	1230	4.5	2.28%	53.0	138
SIX0444335	1.30%	<10	3.20%	1680	1.0	1.88%	18.5	102
SIX0444336	3.00%	<10	6300	702	1.0	1.79%	17.5	10
SIX0444337	1.44%	<10	2.61%	1390	1.0	1.87%	15.0	60
Std Nominal	2.59%	<10	2300	780	7.0	2300	7.5	8
Determined	2.55%	<10	2300	758	6.0	2300	8.0	10
SIX0444338	9700	10	3.02%	2310	1.0	2.27%	12.5	64
SIX0444339	7700	10	3.72%	2150	1.0	1.91%	8.0	66
SIX0444340	1.00%	<10	3.38%	2500	1.0	1.98%	13.5	68
SIX0444341	1.10%	<10	3.80%	2230	1.0	1.90%	10.0	98
SIX0444342	3.85%	<10	7900	812	2.0	1.50%	23.0	10
SIX0444343	4.16%	<10	8300	728	2.5	1.38%	20.0	12
SIX0444343 Rpt	4.02%	<10	8200	710	1.5	1.35%	20.5	12
SIX0444344	3.51%	<10	8900	662	1.5	1.59%	23.5	16
SIX0444345	3.65%	<10	7800	524	1.0	1.38%	22.5	18
BLANK 5	100	<10	<100	4	<0.5	<100	<0.5	<2
SIX0444346	2.41%	<10	2.15%	912	1.0	1.49%	12.5	84
SIX0444347	1.23%	<10	3.34%	1450	1.0	1.53%	10.0	148
SIX0444348	1.25%	<10	3.47%	1440	1.0	1.67%	11.0	150
SIX0444349	3.24%	<10	1.14%	958	2.0	1.41%	21.0	30
SIX0444350	1.95%	<10	1.71%	1080	1.5	1.71%	19.0	48
Std Nominal	3.28%	20	7700	3230	190	1.15%	12.0	54
Determined	3.18%	10	7800	3330	192	1.11%	11.5	56
SIX0444351	2.08%	<10	9200	862	2.5	1.72%	20.5	10
SIX0444352	3.71%	<10	6200	542	2.0	1.59%	28.0	6
SIX0444353	3.73%	<10	5000	438	1.5	1.48%	22.5	4
SIX0444354	1.44%	<10	1.95%	1150	4.0	2.02%	15.0	48
SIX0444355	1.32%	10	3.19%	1700	6.0	1.88%	14.0	88



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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
SIX0444356	1.99%	<10	2.32%	1710	27.5	1.49%	16.0	42
SIX0444357	1.37%	<10	2.80%	1760	3.5	1.77%	14.5	72
SIX0444357 Rpt	1.32%	<10	2.79%	1740	2.5	1.73%	14.5	74
SIX0444358	8000	10	1.10%	940	1.0	2.32%	12.0	30
Std Nominal	3.14%	30	1.48%	546	99.0	2.08%	18.0	42
Determined	3.09%	30	1.51%	550	99.0	2.00%	19.0	42



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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	0.2	<1	<5
SIX0444064	Sample Not Received							
SIX0444065	Sample Not Received							
SIX0444066	Sample Not Received							
SIX0444067	Sample Not Received							
SIX0444068	Sample Not Received							
Std Nominal	900	6730	205		9.37%	20.5	7	
Determined	800	6850	207	<0.1	9.37%	21.3	6	<5
SIX0444069	Sample Not Received							
SIX0444070	Sample Not Received							
SIX0444071	Sample Not Received							
SIX0444072	Sample Not Received							
SIX0444073	Sample Not Received							
SIX0444074	Sample Not Received							
SIX0444075	Sample Not Received							
SIX0444075 Rpt	Sample Not Received							
SIX0444076	Sample Not Received							
SIX0444077	Sample Not Received							
SIX0444078	Sample Not Received							
SIX0444079	Sample Not Received							
SIX0444080	Sample Not Received							
SIX0444081	Sample Not Received							
SIX0444082	Sample Not Received							
SIX0444083	Sample Not Received							
SIX0444084	Sample Not Received							
SIX0444084Q	Sample Not Received							
SIX0444085	1000	14	8.4	<0.1	2100	0.4	33	<5
SIX0444086	1150	8	17.0	<0.1	2600	0.4	35	<5
SIX0444087	1200	5	5.8	<0.1	2400	0.2	37	<5
SIX0444088	1100	5	4.8	<0.1	2300	0.2	35	<5
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	550	528	576	<0.1	1.94%	11.9	15	<5
SIX0444089	1100	9	10.0	<0.1	2950	0.4	36	<5
SIX0444090	950	9	30.8	<0.1	2400	0.2	35	<5
SIX0444091	550	10	69.0	<0.1	3250	0.2	32	<5
SIX0444092	500	8	95.8	<0.1	1500	0.2	24	<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
SIX0444093	1100	8	50.2	<0.1	2500	0.2	31	<5
SIX0444094	600	6	30.2	<0.1	2350	0.2	30	<5
SIX0444095	800	10	7.6	<0.1	2200	0.2	38	<5
SIX0444096	750	10	22.6	<0.1	2600	0.2	38	<5
SIX0444097	700	15	93.0	<0.1	5150	0.2	31	<5
SIX0444097 Rpt	700	15	93.0	<0.1	4950	0.2	30	<5
SIX0444098	750	18	144	<0.1	7750	0.2	18	<5
SIX0444099	600	18	132	<0.1	1.28%	0.2	17	<5
SIX0444100	900	10	108	<0.1	5850	0.2	26	<5
SIX0444201	950	11	101	<0.1	4650	0.2	26	<5
Std Nominal	100	18	88.0	<0.1	<50	<0.1	3	<5
Determined	100	16	87.0	<0.1	50	0.1	2	<5
SIX0444202	600	15	127	<0.1	2000	0.2	28	<5
SIX0444203	850	12	11.2	<0.1	1800	0.2	36	<5
SIX0444204	850	13	9.8	<0.1	2000	0.2	36	<5
SIX0444205	2100	12	23.4	<0.1	1900	0.2	37	<5
SIX0444206	850	15	19.4	<0.1	2050	0.2	39	<5
SIX0444207	1800	10	21.6	<0.1	1550	0.2	39	<5
SIX0444208	650	15	147	<0.1	1700	0.2	20	<5
SIX0444209	550	12	88.6	<0.1	1350	0.2	22	<5
SIX0444209Q	450	3800	98.8	<0.1	5.21%	52.6	6	<5
SIX0444210	700	16	88.6	<0.1	4700	0.8	32	<5
SIX0444211	750	9	75.0	<0.1	4100	0.4	31	<5
SIX0444212	650	15	119	<0.1	6250	0.2	22	<5
SIX0444213	850	21	134	<0.1	4200	0.4	24	<5
SIX0444214	400	12	81.6	<0.1	2200	0.2	26	<5
Std Nominal	1050	18	115	0.1	%2.39	5.6	8	<5
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444215	850	11	48.4	<0.1	1700	0.2	22	<5
SIX0444216	1050	11	77.6	<0.1	3450	0.2	28	<5
SIX0444217	1150	14	82.6	<0.1	1.17%	0.2	31	<5
SIX0444218	1350	12	27.6	<0.1	1.01%	0.2	34	<5
SIX0444219	750	12	54.4	<0.1	1550	0.2	25	<5
SIX0444220	850	10	22.2	<0.1	3350	0.2	37	<5
SIX0444221	800	13	87.4	<0.1	1650	0.2	29	<5
SIX0444221 Rpt	800	13	86.0	<0.1	1650	0.1	29	<5
SIX0444222	1250	10	21.0	<0.1	8300	0.4	31	<5
SIX0444223	1150	18	102	<0.1	6350	0.4	29	<5
SIX0444224	850	11	122	<0.1	1700	0.2	23	<5
SIX0444225	1350	13	127	<0.1	2550	0.2	24	<5
SIX0444226	1700	12	105	<0.1	1550	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
SIX0444227	950	9	95.8	<0.1	1450	0.6	27	<5
SIX0444228	850	17	102	<0.1	1700	0.4	28	<5
SIX0444229	400	54	99.2	<0.1	2050	0.4	25	<5
SIX0444230	450	24	229	<0.1	1100	0.2	19	<5
Std Nominal	1000	23	184	<0.1	3550	0.9	13	<5
Determined	1000	23	187	<0.1	3600	0.9	13	<5
SIX0444231	300	10	111	<0.1	1950	0.2	22	<5
BLANK 2	<50	<1	0.4	<0.1	<50	<0.1	<1	<5
SIX0444232	400	41	153	<0.1	950	0.2	14	<5
SIX0444233	450	30	223	<0.1	300	0.1	21	<5
SIX0444234	500	32	209	<0.1	100	0.1	18	<5
SIX0444234Q	2450	3	35.8	<0.1	450	0.2	19	<5
SIX0444235	550	26	161	<0.1	100	0.1	19	<5
SIX0444236	500	31	198	<0.1	150	0.1	23	<5
SIX0444236 Rpt	500	32	202	<0.1	150	0.1	23	<5
SIX0444237	400	25	160	<0.1	150	0.1	18	<5
SIX0444238	400	25	167	<0.1	200	0.1	15	<5
SIX0444239	450	37	189	<0.1	200	0.2	16	<5
SIX0444240	500	21	92.8	<0.1	1150	0.1	27	<5
SIX0444241	550	26	230	<0.1	800	0.1	29	<5
SIX0444242	500	23	147	<0.1	1300	0.2	25	<5
SIX0444243	150	23	80.4	<0.1	300	0.1	8	<5
Std Nominal	900	6730	205		9.37%	20.5	7	
Determined	850	6650	198	<0.1	9.40%	20.5	7	<5
SIX0444244	250	33	181	<0.1	150	0.2	17	<5
SIX0444245	500	26	144	<0.1	200	0.6	16	<5
SIX0444246	800	37	138	<0.1	250	0.6	13	<5
SIX0444247	650	54	176	<0.1	200	0.4	7	<5
SIX0444248	150	47	144	<0.1	300	0.2	6	<5
SIX0444249	500	14	135	<0.1	850	0.2	25	<5
SIX0444250	500	10	30.0	<0.1	900	0.2	32	<5
SIX0444251	600	17	148	<0.1	650	0.2	25	<5
SIX0444252	250	23	157	<0.1	400	0.2	14	<5
SIX0444253	300	30	146	<0.1	600	0.2	14	<5
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	600	522	550	<0.1	1.99%	12.1	14	<5
SIX0444254	200	39	138	<0.1	400	0.2	6	<5
SIX0444255	100	35	120	<0.1	350	0.1	6	<5
SIX0444256	100	36	153	<0.1	350	0.2	6	<5
SIX0444257	100	23	115	<0.1	150	0.1	7	<5
SIX0444257 Rpt	100	23	111	<0.1	150	0.1	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
SIX0444258	200	24	137	<0.1	200	0.1	10	<5
SIX0444259	150	27	159	<0.1	150	0.1	8	<5
SIX0444259Q	300	7920	128	<0.1	3.89%	29.9	4	<5
BLANK 3	<50	<1	0.4	<0.1	<50	0.2	<1	<5
SIX0444260	100	28	137	<0.1	100	0.2	8	<5
SIX0444261	150	31	128	<0.1	100	0.2	5	<5
SIX0444262	150	25	111	<0.1	150	0.2	6	<5
SIX0444263	250	30	141	<0.1	200	0.1	9	<5
SIX0444264	150	24	110	<0.1	150	0.2	8	<5
SIX0444265	100	25	131	<0.1	100	0.1	7	<5
SIX0444266	<50	22	131	<0.1	50	0.1	7	<5
SIX0444267	100	29	102	<0.1	150	0.1	7	<5
SIX0444268	100	33	125	<0.1	150	0.8	8	<5
Std Nominal	100	18	88.0	<0.1	<50	<0.1	3	<5
Determined	150	17	85.4	<0.1	100	<0.1	3	<5
SIX0444269	50	26	136	<0.1	100	0.4	7	<5
SIX0444270	100	25	132	<0.1	100	0.2	7	<5
SIX0444271	150	29	124	<0.1	100	0.2	5	<5
SIX0444272	100	23	112	<0.1	150	0.2	6	<5
SIX0444273	100	31	141	<0.1	100	0.2	7	<5
SIX0444274	100	25	129	<0.1	50	0.2	6	<5
SIX0444275	100	24	141	<0.1	100	0.2	6	<5
SIX0444276	100	21	125	<0.1	100	0.2	5	<5
SIX0444276 Rpt	100	21	127	<0.1	100	0.1	5	<5
SIX0444277	100	21	159	<0.1	50	0.2	6	<5
SIX0444278	100	18	143	<0.1	200	0.2	9	<5
SIX0444279	200	14	124	<0.1	450	0.2	14	<5
SIX0444280	150	27	144	<0.1	200	0.2	9	<5
SIX0444281	100	27	144	<0.1	100	0.1	7	<5
SIX0444282	50	19	65.8	<0.1	100	0.1	6	<5
SIX0444283	<50	17	76.6	<0.1	100	0.1	6	<5
Std Nominal	1050	18	115	0.1	2.39%	5.6	8	<5
Determined	1000	17	111	0.1	2.38%	5.4	7	<5
SIX0444284	100	15	127	<0.1	200	0.1	7	<5
SIX0444284Q	1000	21	223	<0.1	700	0.6	12	<5
SIX0444285	350	16	114	<0.1	550	0.1	12	<5
SIX0444286	100	23	158	<0.1	150	0.2	7	<5
SIX0444287	150	19	171	<0.1	450	0.1	11	<5
SIX0444288	50	26	175	<0.1	150	0.1	4	<5
SIX0444289	50	17	190	<0.1	150	0.1	6	<5
SIX0444290	50	18	182	<0.1	150	0.1	5	<5



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
SIX0444291	50	15	168	<0.1	350	0.2	6	<5
SIX0444292	150	18	155	<0.1	500	0.1	8	<5
SIX0444293	100	22	176	<0.1	550	0.1	6	<5
SIX0444294	150	18	149	<0.1	350	0.1	10	<5
SIX0444295	200	21	113	<0.1	400	0.1	9	<5
Std Nominal	1000	23	184	<0.1	3550	0.9	13	<5
Determined	1000	23	183	<0.1	3550	0.9	12	<5
SIX0444296	550	12	61.0	<0.1	800	<0.1	22	<5
SIX0444297	300	16	87.4	<0.1	650	0.1	17	<5
SIX0444298	100	18	136	<0.1	400	<0.1	7	<5
SIX0444299	100	23	166	<0.1	150	0.1	7	<5
SIX0444300	100	27	169	<0.1	900	0.1	7	<5
SIX0444301	100	24	150	<0.1	400	0.1	10	<5
SIX0444302	100	24	151	<0.1	50	0.1	5	<5
SIX0444303	250	8	71.6	<0.1	700	0.1	20	<5
SIX0444304	250	12	78.2	<0.1	700	0.1	21	<5
SIX0444305	200	25	202	<0.1	200	0.1	7	<5
SIX0444306	400	13	102	<0.1	350	0.2	24	<5
SIX0444306 Rpt	400	13	104	<0.1	350	0.1	24	<5
SIX0444307	150	17	176	<0.1	200	<0.1	11	<5
SIX0444308	50	16	185	<0.1	100	0.1	7	<5
BLANK 4	<50	<1	0.2	<0.1	<50	<0.1	<1	<5
SIX0444309	100	19	173	<0.1	50	0.1	6	<5
SIX0444309Q	2450	3	36.8	<0.1	450	0.1	19	<5
SIX0444310	<50	29	194	<0.1	100	0.6	7	<5
SIX0444311	<50	30	207	<0.1	100	0.4	7	<5
Std Nominal	900	6730	205		9.37%	20.5	7	
Determined	850	6520	197	<0.1	9.32%	19.8	7	<5
SIX0444312	<50	36	189	<0.1	150	0.4	6	<5
SIX0444313	250	16	138	<0.1	350	0.2	11	<5
SIX0444314	300	16	168	<0.1	400	0.2	11	<5
SIX0444315	600	32	158	<0.1	850	0.2	15	<5
SIX0444316	700	18	119	<0.1	1250	0.2	22	<5
SIX0444317	1000	19	117	<0.1	1450	0.2	21	<5
SIX0444318	1000	21	181	<0.1	900	0.2	15	<5
SIX0444319	1150	14	134	<0.1	1450	0.2	22	<5
SIX0444320	1400	14	109	<0.1	1850	0.2	24	<5
SIX0444321	1100	17	111	<0.1	1850	0.2	26	<5
SIX0444322	1000	13	103	<0.1	2050	0.1	26	<5
SIX0444322 Rpt	1050	13	98.8	<0.1	2050	0.1	26	<5
SIX0444323	950	16	106	<0.1	1350	0.2	27	<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
SIX0444324	1150	16	119	<0.1	2100	0.1	23	<5
SIX0444325	1050	16	120	<0.1	1600	0.1	24	<5
SIX0444326	1200	14	110	<0.1	1600	0.2	23	<5
SIX0444327	1150	27	184	<0.1	1150	0.2	19	<5
SIX0444328	500	17	88.2	<0.1	700	0.2	23	<5
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	600	511	545	<0.1	1.91%	12.0	14	<5
SIX0444329	650	12	36.4	<0.1	750	0.7	22	<5
SIX0444330	950	11	82.6	<0.1	750	0.2	15	<5
SIX0444331	250	8	116	<0.1	800	0.2	15	<5
SIX0444332	350	11	92.8	<0.1	400	0.1	13	<5
SIX0444333	100	9	118	<0.1	250	0.1	9	<5
SIX0444334	400	11	114	<0.1	350	0.2	11	<5
SIX0444334Q	2500	4	37.2	<0.1	450	0.2	19	<5
SIX0444335	1000	10	108	<0.1	750	0.1	26	<5
SIX0444336	100	15	113	<0.1	300	0.1	8	<5
SIX0444337	450	15	74.0	<0.1	900	0.1	25	<5
Std Nominal	100	18	88.0	<0.1	<50	<0.1	3	<5
Determined	150	16	87.0	<0.1	50	<0.1	3	<5
SIX0444338	1000	18	72.2	<0.1	1000	0.2	30	<5
SIX0444339	700	25	26.2	<0.1	1150	0.1	46	<5
SIX0444340	800	14	73.6	<0.1	1600	0.1	37	<5
SIX0444341	1500	10	78.0	<0.1	1300	0.2	34	<5
SIX0444342	150	32	181	<0.1	350	0.1	10	<5
SIX0444343	250	24	198	<0.1	200	0.1	10	<5
SIX0444343 Rpt	250	25	196	<0.1	200	0.1	9	<5
SIX0444344	150	22	182	<0.1	250	0.1	10	<5
SIX0444345	200	23	196	<0.1	200	<0.1	8	<5
BLANK 5	<50	1	0.6	<0.1	<50	<0.1	<1	<5
SIX0444346	300	22	130	<0.1	550	<0.1	16	<5
SIX0444347	550	14	97.2	<0.1	950	0.1	24	<5
SIX0444348	450	11	110	<0.1	800	0.1	25	<5
SIX0444349	150	22	185	<0.1	300	0.1	9	<5
SIX0444350	400	17	135	<0.1	500	0.1	16	<5
Std Nominal	1050	18	115	0.1	2.39%	5.6	8	<5
Determined	1000	18	116	0.1	2.41%	5.6	7	<5
SIX0444351	100	15	116	<0.1	300	0.1	8	<5
SIX0444352	100	26	223	<0.1	150	0.5	7	<5
SIX0444353	100	29	184	<0.1	400	0.2	6	<5
SIX0444354	600	15	94.4	<0.1	900	0.2	20	<5
SIX0444355	1000	10	95.6	<0.1	1000	0.2	29	<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
SIX0444356	1300	18	119	<0.1	300	0.1	27	<5
SIX0444357	1050	17	64.8	<0.1	750	0.1	29	<5
SIX0444357 Rpt	1000	16	66.6	<0.1	750	0.1	29	<5
SIX0444358	350	21	58.8	<0.1	350	0.1	11	<5
Std Nominal	1000	23	184	<0.1	3550	0.9	13	<5
Determined	1000	25	191	<0.1	3700	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
SIX0444064	Sample Not Received							
SIX0444065	Sample Not Received							
SIX0444066	Sample Not Received							
SIX0444067	Sample Not Received							
SIX0444068	Sample Not Received							
Std Nominal	1.6	262			8.9	1600	39.4	11.9
Determined	1.8	259	1.1	0.4	8.5	1600	41.1	12.1
SIX0444069	Sample Not Received							
SIX0444070	Sample Not Received							
SIX0444071	Sample Not Received							
SIX0444072	Sample Not Received							
SIX0444073	Sample Not Received							
SIX0444074	Sample Not Received							
SIX0444075	Sample Not Received							
SIX0444075 Rpt	Sample Not Received							
SIX0444076	Sample Not Received							
SIX0444077	Sample Not Received							
SIX0444078	Sample Not Received							
SIX0444079	Sample Not Received							
SIX0444080	Sample Not Received							
SIX0444081	Sample Not Received							
SIX0444082	Sample Not Received							
SIX0444083	Sample Not Received							
SIX0444084	Sample Not Received							
SIX0444084Q	Sample Not Received							
SIX0444085	3.8	228	1.1	0.2	2.0	7550	0.3	1.3
SIX0444086	3.6	222	1.0	0.2	2.8	8050	0.2	2.3
SIX0444087	2.4	224	0.8	0.2	1.3	8600	0.2	0.4
SIX0444088	2.2	221	0.7	<0.2	1.3	8500	0.1	0.4
Std Nominal		104				5100		
Determined	2.7	108	0.6	0.2	2.9	5200	6.6	0.9
SIX0444089	2.4	218	0.8	<0.2	1.6	8700	0.2	0.7
SIX0444090	3.3	208	0.8	<0.2	3.3	7950	0.2	0.7
SIX0444091	4.5	169	1.2	<0.2	17.6	8000	0.3	5.5
SIX0444092	3.9	163	1.1	<0.2	16.4	5950	0.5	1.9



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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
SIX0444093	3.2	205	0.7	<0.2	8.0	9700	0.3	1.2
SIX0444094	3.0	156	0.8	<0.2	6.0	6550	0.2	1.8
SIX0444095	2.7	207	0.7	<0.2	1.5	8100	<0.1	0.4
SIX0444096	4.7	186	1.1	<0.2	2.3	8250	0.1	1.3
SIX0444097	4.4	160	1.1	<0.2	10.1	5700	0.5	1.4
SIX0444097 Rpt	4.6	162	1.1	<0.2	10.1	5700	0.5	1.3
SIX0444098	4.1	163	1.2	<0.2	14.8	4450	0.7	1.7
SIX0444099	4.4	156	1.2	<0.2	15.7	4200	0.7	1.3
SIX0444100	4.0	186	1.2	<0.2	7.6	6550	0.6	1.0
SIX0444201	4.8	188	1.0	<0.2	6.0	6400	0.6	1.0
Std Nominal	0.7	124	0.6	<0.2	5.6	2400	0.4	39.6
Determined	0.8	130	0.4	<0.2	5.8	2400	0.5	40.8
SIX0444202	5.7	198	1.1	<0.2	10.8	5200	0.6	3.5
SIX0444203	3.1	236	0.8	<0.2	1.5	7150	0.1	0.4
SIX0444204	2.6	219	0.7	<0.2	1.2	6750	<0.1	0.3
SIX0444205	3.4	240	0.8	<0.2	1.3	8300	0.2	0.6
SIX0444206	3.2	208	0.8	<0.2	2.0	6900	0.1	1.1
SIX0444207	3.6	222	1.1	<0.2	3.7	7250	0.1	1.5
SIX0444208	8.4	134	1.8	<0.2	36.7	4700	0.7	2.8
SIX0444209	4.0	150	1.1	<0.2	17.9	5250	0.5	1.7
SIX0444209Q	2.3	284	0.7	<0.2	3.1	1900	25.1	5.5
SIX0444210	3.5	165	0.8	<0.2	6.2	7050	0.7	1.8
SIX0444211	4.1	162	0.8	<0.2	4.1	6650	0.5	1.0
SIX0444212	4.2	142	0.8	<0.2	12.6	6200	0.6	1.1
SIX0444213	4.5	285	1.2	<0.2	10.1	5450	0.7	1.5
SIX0444214	3.1	164	0.6	<0.2	8.9	5750	0.5	2.3
Std Nominal	7.0	222	0.8	1.0	12.2	3200	0.4	30.8
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444215	4.8	160	1.0	<0.2	14.1	6800	0.2	2.0
SIX0444216	4.2	205	1.0	<0.2	9.5	8000	0.5	1.5
SIX0444217	4.1	206	1.1	<0.2	9.3	8450	0.5	1.1
SIX0444218	4.1	229	1.0	<0.2	3.3	9700	0.2	0.8
SIX0444219	2.7	193	0.7	<0.2	6.4	7400	0.2	1.4
SIX0444220	5.0	178	0.4	<0.2	2.5	9900	0.1	1.0
SIX0444221	4.2	151	0.8	<0.2	8.1	6800	0.5	2.0
SIX0444221 Rpt	4.4	152	1.0	<0.2	8.0	6850	0.5	2.0
SIX0444222	2.1	215	0.6	<0.2	3.9	9750	0.1	1.2
SIX0444223	3.2	237	1.0	<0.2	13.0	9650	0.6	1.2
SIX0444224	3.9	222	1.0	<0.2	11.6	5750	0.6	1.4
SIX0444225	5.3	352	1.2	<0.2	9.6	6350	0.6	1.8
SIX0444226	5.6	152	1.3	<0.2	8.8	7300	0.6	2.6



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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
SIX0444227	3.9	160	1.0	<0.2	9.6	7000	0.9	2.5
SIX0444228	3.4	293	0.7	<0.2	23.4	7000	0.9	2.5
SIX0444229	3.1	189	0.8	<0.2	13.9	3650	0.7	2.1
SIX0444230	7.1	146	1.8	<0.2	34.0	4750	1.3	5.3
Std Nominal	5.6	338	1.4	<0.2	18.0	4650	0.9	4.9
Determined	5.6	338	1.2	<0.2	18.6	4700	1.0	5.1
SIX0444231	5.2	144	1.2	<0.2	4.2	1800	0.7	1.3
BLANK 2	0.2	<0.5	<0.1	<0.2	0.1	<50	0.2	<0.1
SIX0444232	5.4	149	2.9	<0.2	3.8	1300	0.8	4.8
SIX0444233	6.0	120	1.7	<0.2	23.9	5500	1.0	4.6
SIX0444234	4.2	112	0.7	<0.2	24.7	5200	1.0	3.6
SIX0444234Q	2.0	756	2.8	<0.2	4.1	1.26%	0.2	1.4
SIX0444235	3.6	109	1.0	<0.2	19.6	5200	0.8	2.6
SIX0444236	3.6	110	1.1	<0.2	27.3	6100	1.0	2.3
SIX0444236 Rpt	3.6	112	1.0	<0.2	26.1	5950	1.0	2.4
SIX0444237	3.8	100	1.1	<0.2	20.1	4800	0.8	2.5
SIX0444238	4.9	96.5	0.8	<0.2	18.4	3800	0.8	2.5
SIX0444239	5.6	110	1.2	<0.2	22.2	4400	0.9	3.3
SIX0444240	4.4	193	0.6	<0.2	10.1	4700	0.5	1.9
SIX0444241	4.6	205	1.0	<0.2	40.0	7550	1.2	3.6
SIX0444242	4.0	359	1.2	<0.2	22.4	4800	0.8	3.7
SIX0444243	3.5	146	0.4	<0.2	15.8	1800	0.5	2.3
Std Nominal	1.6	262			8.9	1600	39.4	11.9
Determined	1.7	254	0.6	0.4	8.6	1550	38.8	11.4
SIX0444244	4.9	88.0	1.3	<0.2	16.9	4000	1.0	2.1
SIX0444245	7.6	93.0	1.6	<0.2	18.9	3800	0.8	3.4
SIX0444246	9.1	88.0	2.0	<0.2	38.0	2500	0.7	4.8
SIX0444247	4.6	83.0	1.0	<0.2	30.8	1900	0.8	2.9
SIX0444248	4.0	72.5	1.0	<0.2	29.5	1400	0.7	3.6
SIX0444249	3.4	122	0.8	<0.2	19.3	5500	0.7	2.6
SIX0444250	2.1	164	0.4	<0.2	3.5	4750	0.2	1.1
SIX0444251	3.1	146	0.8	<0.2	23.4	5400	0.7	1.9
SIX0444252	3.4	80.0	1.0	<0.2	39.4	3200	0.7	3.4
SIX0444253	3.1	92.0	0.8	<0.2	80.5	3000	0.7	7.2
Std Nominal		104				5100		
Determined	2.4	104	0.4	<0.2	3.3	4850	6.2	0.9
SIX0444254	4.1	84.0	1.6	<0.2	64.5	1600	0.7	5.5
SIX0444255	3.0	74.5	0.7	<0.2	27.9	1550	0.6	2.1
SIX0444256	3.3	74.0	0.7	<0.2	29.9	1750	0.7	1.9
SIX0444257	4.6	61.5	0.8	<0.2	25.9	1550	0.5	2.8
SIX0444257 Rpt	4.6	58.5	1.0	<0.2	25.2	1550	0.5	2.8



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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
SIX0444258	4.4	71.0	1.0	<0.2	30.1	2500	0.7	2.9
SIX0444259	3.4	63.5	0.8	<0.2	37.5	1700	0.7	3.2
SIX0444259Q	3.3	136	1.0	<0.2	10.8	1150	9.5	5.2
BLANK 3	0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444260	3.8	68.5	0.8	<0.2	39.9	1650	0.7	2.9
SIX0444261	4.7	77.0	1.0	<0.2	37.7	1150	0.6	3.6
SIX0444262	4.2	83.0	0.8	<0.2	29.3	1750	0.5	2.9
SIX0444263	4.1	90.0	1.0	<0.2	44.7	2100	0.6	4.4
SIX0444264	4.7	74.5	1.0	<0.2	22.2	1900	0.5	3.4
SIX0444265	4.9	63.5	0.8	<0.2	29.7	1400	0.6	2.5
SIX0444266	5.8	61.0	1.1	<0.2	24.7	1550	0.6	2.5
SIX0444267	5.0	72.0	1.0	<0.2	24.9	1600	0.5	2.3
SIX0444268	5.2	66.0	1.0	<0.2	27.6	1450	1.0	2.1
Std Nominal	0.7	124	0.6	<0.2	5.6	2400	0.4	39.6
Determined	0.7	124	0.4	<0.2	5.7	2400	0.6	39.0
SIX0444269	5.5	65.0	0.8	<0.2	24.0	1450	0.8	2.8
SIX0444270	5.8	70.0	1.0	<0.2	28.2	1450	0.7	2.3
SIX0444271	4.6	89.5	0.7	<0.2	37.5	1250	0.6	3.3
SIX0444272	4.2	79.0	0.6	<0.2	29.6	1350	0.6	3.6
SIX0444273	3.9	72.5	0.7	<0.2	51.0	1200	0.7	3.5
SIX0444274	4.2	83.5	0.7	<0.2	33.0	1200	0.6	3.4
SIX0444275	3.2	88.5	0.6	<0.2	30.4	1250	0.6	3.0
SIX0444276	3.6	82.0	1.0	<0.2	24.7	1200	0.6	3.2
SIX0444276 Rpt	3.6	82.5	1.0	<0.2	25.4	1250	0.6	3.2
SIX0444277	3.9	75.0	0.8	<0.2	29.3	1350	0.7	3.1
SIX0444278	3.5	75.5	0.7	<0.2	23.0	1900	0.7	2.3
SIX0444279	2.8	83.5	0.8	<0.2	21.5	3550	0.6	2.3
SIX0444280	2.8	79.5	0.6	<0.2	27.9	1750	0.6	2.3
SIX0444281	3.7	64.5	0.6	<0.2	21.0	1600	0.6	2.2
SIX0444282	2.4	71.0	0.6	<0.2	19.8	1150	0.3	1.8
SIX0444283	2.8	63.5	0.6	<0.2	10.9	1350	0.3	1.9
Std Nominal	7.0	222	0.8	1.0	12.2	3200	0.4	30.8
Determined	6.7	229	0.6	1.0	11.8	3300	0.5	30.1
SIX0444284	3.9	47.5	1.0	<0.2	17.1	1300	0.5	2.6
SIX0444284Q	3.9	296	1.6	<0.2	22.4	4950	1.2	6.1
SIX0444285	2.5	96.0	0.4	<0.2	21.5	4550	0.6	2.2
SIX0444286	3.4	72.0	0.6	<0.2	32.5	1500	0.7	2.4
SIX0444287	3.4	67.0	0.6	<0.2	22.4	2600	0.8	2.5
SIX0444288	2.2	34.0	0.2	<0.2	19.5	700	0.8	3.4
SIX0444289	3.4	31.0	0.7	<0.2	23.0	1100	0.9	4.2
SIX0444290	3.9	44.5	0.7	<0.2	23.7	1100	0.8	4.0



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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
SIX0444291	4.7	43.0	1.1	<0.2	21.2	1300	0.8	3.3
SIX0444292	2.9	53.5	0.6	<0.2	18.3	2100	0.7	2.8
SIX0444293	3.3	41.0	0.7	<0.2	20.9	1150	0.8	3.4
SIX0444294	3.5	58.0	1.0	<0.2	19.9	2050	0.7	3.1
SIX0444295	2.2	84.0	0.6	<0.2	27.0	2300	0.5	3.0
Std Nominal	5.6	338	1.4	<0.2	18.0	4650	0.9	4.9
Determined	5.6	342	1.2	<0.2	17.7	4700	1.0	4.8
SIX0444296	2.4	134	0.2	<0.2	9.2	6400	0.3	1.2
SIX0444297	3.1	87.5	0.6	<0.2	25.2	3950	0.3	2.4
SIX0444298	3.1	65.5	0.2	<0.2	30.7	1650	0.7	2.8
SIX0444299	2.7	71.5	0.4	<0.2	45.4	1600	0.8	2.8
SIX0444300	2.7	74.5	0.6	<0.2	29.7	1550	0.8	3.1
SIX0444301	3.1	61.0	0.8	<0.2	21.3	2100	0.7	2.2
SIX0444302	3.1	86.5	0.7	<0.2	35.5	1200	0.7	3.4
SIX0444303	2.4	96.0	0.6	<0.2	11.1	4650	0.3	1.8
SIX0444304	1.7	93.0	0.4	<0.2	26.0	4900	0.3	1.4
SIX0444305	3.0	69.0	0.7	<0.2	46.0	1750	0.9	2.8
SIX0444306	7.0	93.0	1.2	<0.2	15.7	4400	0.5	2.2
SIX0444306 Rpt	6.7	90.5	1.1	<0.2	15.2	4350	0.5	2.1
SIX0444307	3.6	63.0	0.2	<0.2	23.2	2450	0.8	3.3
SIX0444308	4.6	53.0	0.2	<0.2	25.9	1500	0.8	2.5
BLANK 4	<0.1	<0.5	<0.1	<0.2	0.1	<50	<0.1	<0.1
SIX0444309	4.4	59.5	0.6	<0.2	25.1	1450	0.7	3.3
SIX0444309Q	2.1	769	2.8	<0.2	4.3	1.21%	0.1	1.4
SIX0444310	3.9	47.5	1.1	<0.2	25.3	1350	1.4	3.0
SIX0444311	3.3	46.5	0.8	<0.2	24.5	1350	1.3	3.0
Std Nominal	1.6	262			8.9	1600	39.4	11.9
Determined	1.6	253	0.6	0.2	8.5	1550	38.3	11.6
SIX0444312	4.0	54.5	0.7	<0.2	24.2	1300	1.0	3.1
SIX0444313	4.5	68.5	1.2	<0.2	16.9	2750	0.7	2.9
SIX0444314	3.8	124	1.1	<0.2	19.0	2950	0.8	1.1
SIX0444315	4.6	152	1.0	<0.2	14.1	3700	0.8	2.6
SIX0444316	3.6	135	1.0	<0.2	9.8	3700	0.6	2.0
SIX0444317	4.6	171	1.0	<0.2	17.1	5650	0.6	1.4
SIX0444318	4.4	143	0.8	<0.2	9.0	3550	0.8	2.2
SIX0444319	4.5	180	1.2	<0.2	17.9	6600	0.6	1.4
SIX0444320	4.8	170	1.2	<0.2	13.7	6500	0.6	1.4
SIX0444321	4.9	175	0.8	<0.2	20.3	6500	0.5	1.4
SIX0444322	4.7	159	1.0	<0.2	18.0	7200	0.5	1.3
SIX0444322 Rpt	4.6	157	1.0	<0.2	17.3	7200	0.5	1.3
SIX0444323	4.7	168	1.1	<0.2	18.9	5900	0.6	1.7



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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
SIX0444324	4.1	178	0.4	<0.2	22.0	6050	0.6	2.2
SIX0444325	4.2	191	0.8	<0.2	25.8	6250	0.6	1.9
SIX0444326	4.6	198	1.1	<0.2	21.1	6800	0.5	1.4
SIX0444327	5.5	168	1.2	<0.2	18.7	5150	0.8	2.0
SIX0444328	3.4	218	1.0	<0.2	19.5	3450	0.5	1.8
Std Nominal		104				5100		
Determined	2.4	101	0.4	<0.2	3.0	5200	6.2	0.8
SIX0444329	6.1	177	1.9	<0.2	12.5	3950	0.2	3.7
SIX0444330	5.0	162	1.0	<0.2	7.8	4600	0.3	1.9
SIX0444331	3.9	195	0.6	<0.2	3.0	2250	0.7	1.1
SIX0444332	3.9	144	0.8	<0.2	29.7	3350	0.5	2.6
SIX0444333	2.4	112	0.4	<0.2	20.3	1900	0.5	1.4
SIX0444334	4.1	112	0.7	<0.2	15.0	3150	0.6	2.0
SIX0444334Q	2.1	766	3.3	<0.2	4.3	1.24%	0.1	1.4
SIX0444335	5.5	164	1.3	<0.2	10.1	5650	0.5	1.7
SIX0444336	3.0	72.5	0.6	<0.2	20.5	1750	0.5	1.4
SIX0444337	3.1	107	1.1	<0.2	11.0	5650	0.5	1.5
Std Nominal	0.7	124	0.6	<0.2	5.6	2400	0.4	39.6
Determined	0.7	128	0.4	<0.2	5.7	2400	0.5	40.3
SIX0444338	3.5	136	1.1	<0.2	6.0	5500	0.3	2.4
SIX0444339	3.1	141	0.6	<0.2	1.9	8550	0.2	0.9
SIX0444340	4.4	126	1.2	<0.2	3.1	8750	0.5	2.0
SIX0444341	3.3	126	0.8	<0.2	4.8	7300	0.5	1.8
SIX0444342	3.7	77.0	1.1	<0.2	27.7	2250	0.8	6.4
SIX0444343	3.6	75.0	1.1	<0.2	37.3	2250	1.0	2.7
SIX0444343 Rpt	3.5	76.5	1.0	<0.2	37.1	2250	0.8	2.9
SIX0444344	3.9	83.5	1.1	<0.2	28.3	2300	0.8	3.5
SIX0444345	2.9	82.0	0.8	<0.2	33.6	2100	0.9	2.8
BLANK 5	0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444346	1.8	129	0.1	<0.2	28.3	4000	0.6	1.9
SIX0444347	2.3	128	0.7	<0.2	14.3	8000	0.6	2.2
SIX0444348	2.4	125	0.6	<0.2	14.5	7150	0.6	2.4
SIX0444349	3.6	73.5	0.4	<0.2	24.5	2850	0.8	2.5
SIX0444350	3.5	97.5	0.8	<0.2	25.0	4500	0.7	2.6
Std Nominal	7.0	222	0.8	1.0	12.2	3200	0.4	30.8
Determined	7.0	216	0.7	1.0	12.5	3100	0.5	31.6
SIX0444351	2.9	63.0	0.8	<0.2	25.8	2100	0.5	2.5
SIX0444352	4.4	71.0	1.3	<0.2	35.2	1700	1.6	5.2
SIX0444353	2.9	68.0	1.1	<0.2	32.3	1500	1.2	3.6
SIX0444354	3.8	116	1.2	<0.2	17.1	5050	0.7	2.4
SIX0444355	5.5	135	1.6	<0.2	5.3	7750	0.7	1.9



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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
SIX0444356	6.4	94.0	1.1	<0.2	33.8	7650	0.7	3.7
SIX0444357	4.0	127	1.0	<0.2	28.9	6550	0.5	2.0
SIX0444357 Rpt	4.1	123	1.0	<0.2	28.7	6500	0.3	1.9
SIX0444358	3.3	155	1.0	<0.2	14.5	2850	0.3	2.1
Std Nominal	5.6	338	1.4	<0.2	18.0	4650	0.9	4.9
Determined	5.8	352	1.6	0.2	18.4	4700	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
SIX0444064	Sample Not Received							
SIX0444065	Sample Not Received							
SIX0444066	Sample Not Received							
SIX0444067	Sample Not Received							
SIX0444068	Sample Not Received							
Std Nominal	80	2.5	18.2	4.92%	106		48.5	6.45
Determined	80	3.0	18.9	4.83%	104	16.6	46.6	6.30
SIX0444069	Sample Not Received							
SIX0444070	Sample Not Received							
SIX0444071	Sample Not Received							
SIX0444072	Sample Not Received							
SIX0444073	Sample Not Received							
SIX0444074	Sample Not Received							
SIX0444075	Sample Not Received							
SIX0444075 Rpt	Sample Not Received							
SIX0444076	Sample Not Received							
SIX0444077	Sample Not Received							
SIX0444078	Sample Not Received							
SIX0444079	Sample Not Received							
SIX0444080	Sample Not Received							
SIX0444081	Sample Not Received							
SIX0444082	Sample Not Received							
SIX0444083	Sample Not Received							
SIX0444084	Sample Not Received							
SIX0444084Q	Sample Not Received							
SIX0444085	250	4.0	68.8	124	16	25.5	65.1	8.75
SIX0444086	275	4.0	58.5	110	16	24.0	60.6	7.85
SIX0444087	305	3.5	42.0	116	12	19.1	46.4	6.20
SIX0444088	290	3.0	40.4	114	12	18.9	46.6	6.00
Std Nominal	115		16.0	5190				
Determined	115	4.0	16.6	5280	70	10.6	22.3	2.90
SIX0444089	295	2.5	41.6	116	12	20.5	49.1	6.30
SIX0444090	290	2.0	46.2	114	16	22.8	54.9	7.05
SIX0444091	385	2.0	46.4	104	24	18.0	44.0	5.70
SIX0444092	220	2.0	35.9	92	30	27.5	57.7	6.85



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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
SIX0444093	290	2.0	43.3	120	28	27.2	64.0	7.85
SIX0444094	255	2.0	42.4	102	24	18.5	43.3	5.50
SIX0444095	355	2.0	39.7	122	16	17.0	42.5	5.65
SIX0444096	380	1.5	42.7	134	18	16.9	43.2	5.65
SIX0444097	195	2.0	39.0	120	18	34.3	72.3	8.75
SIX0444097 Rpt	195	1.5	39.3	118	16	35.0	73.5	8.95
SIX0444098	130	2.0	28.7	112	26	49.8	95.5	11.1
SIX0444099	110	2.0	25.6	108	18	51.2	98.5	11.6
SIX0444100	210	1.5	43.3	112	12	36.1	72.7	8.95
SIX0444201	205	1.5	41.8	122	16	36.5	73.1	8.90
Std Nominal	20		10.1	14		20.3	44.5	5.20
Determined	20	1.0	9.9	14	32	20.7	44.5	5.10
SIX0444202	180	1.5	54.7	92	18	26.1	62.1	8.00
SIX0444203	265	2.5	42.5	116	14	18.5	44.9	5.80
SIX0444204	240	1.5	38.9	116	14	17.3	42.2	5.50
SIX0444205	250	1.5	44.1	108	12	17.3	44.1	5.90
SIX0444206	245	1.5	47.6	120	16	18.8	47.3	6.25
SIX0444207	255	1.5	49.6	118	18	22.7	57.4	7.55
SIX0444208	135	1.0	60.8	104	24	74.8	158	18.9
SIX0444209	160	1.0	41.8	78	22	32.6	69.1	8.25
SIX0444209Q	25	19.0	21.5	1.12%	114	6.5	26.3	5.10
SIX0444210	270	2.0	38.4	108	24	24.3	55.6	6.75
SIX0444211	250	1.5	39.9	100	20	23.1	53.6	6.45
SIX0444212	170	1.5	31.4	110	18	39.3	80.4	9.40
SIX0444213	175	1.5	37.8	98	20	36.2	74.3	8.85
SIX0444214	185	1.0	38.4	100	28	18.8	43.8	5.35
Std Nominal	105	85.0	19.5	68		144	154	13.1
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444215	225	1.0	59.6	126	28	30.1	68.4	8.50
SIX0444216	255	1.5	46.6	116	22	38.0	81.6	10.2
SIX0444217	220	2.0	42.3	146	16	41.5	83.1	10.0
SIX0444218	240	1.5	52.4	140	20	24.9	59.0	7.55
SIX0444219	185	1.0	37.5	118	26	25.5	55.6	6.70
SIX0444220	410	1.0	56.2	134	20	20.3	52.3	6.85
SIX0444221	225	1.0	51.7	104	32	23.9	56.7	7.10
SIX0444221 Rpt	220	<0.5	52.7	104	30	23.7	56.1	7.05
SIX0444222	235	1.0	36.9	134	16	20.3	46.9	5.75
SIX0444223	225	1.5	34.2	154	12	44.8	90.0	10.5
SIX0444224	185	1.0	31.4	94	24	46.6	92.4	10.8
SIX0444225	190	1.5	30.2	120	34	47.8	94.3	11.3
SIX0444226	215	1.5	59.2	118	20	28.6	64.8	8.25



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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
SIX0444227	195	1.5	46.5	80	32	29.5	60.7	7.50
SIX0444228	175	1.5	41.7	102	30	53.6	105	12.5
SIX0444229	105	2.0	25.1	132	16	32.3	64.5	7.45
SIX0444230	100	1.5	48.2	118	22	69.7	138	15.9
Std Nominal	120	3.5	24.6	88	76	33.0	68.0	7.90
Determined	120	4.0	24.0	90	76	33.8	66.8	8.20
SIX0444231	80	1.5	34.8	96	18	12.6	28.0	3.75
BLANK 2	<5	<0.5	<0.1	<2	<2	<0.1	0.2	<0.05
SIX0444232	55	2.5	32.1	118	16	13.4	28.2	3.70
SIX0444233	95	1.0	43.1	136	30	64.1	126	14.8
SIX0444234	95	1.0	41.7	134	32	66.8	130	15.2
SIX0444234Q	200	<0.5	18.3	102	208	27.6	58.0	7.10
SIX0444235	90	1.5	37.5	138	50	52.9	105	12.1
SIX0444236	105	<0.5	49.9	144	16	74.4	149	17.2
SIX0444236 Rpt	105	<0.5	51.3	144	18	74.1	147	17.1
SIX0444237	80	<0.5	50.3	146	30	54.0	108	12.7
SIX0444238	70	3.0	53.8	122	54	48.1	95.9	11.1
SIX0444239	75	2.5	53.8	182	78	57.3	114	13.2
SIX0444240	155	1.0	49.3	118	44	37.3	73.7	8.35
SIX0444241	155	1.0	52.2	150	20	91.1	182	20.8
SIX0444242	125	1.0	44.5	120	46	58.6	114	12.9
SIX0444243	40	<0.5	40.5	92	60	47.1	88.7	9.55
Std Nominal	80	2.5	18.2	4.92%	106		48.5	6.45
Determined	80	3.0	18.2	4.96%	108	14.7	50.3	6.40
SIX0444244	70	1.0	52.6	144	40	47.0	92.8	10.9
SIX0444245	70	1.5	53.5	150	32	47.7	97.6	11.3
SIX0444246	40	2.5	92.5	154	22	75.7	154	18.2
SIX0444247	25	1.0	57.4	126	68	64.2	133	15.8
SIX0444248	<5	4.0	52.4	156	182	67.3	137	16.2
SIX0444249	135	1.0	48.7	102	54	44.2	89.2	10.4
SIX0444250	160	1.0	25.5	88	22	14.0	30.4	4.00
SIX0444251	120	1.0	45.1	112	34	58.9	118	13.6
SIX0444252	75	1.0	73.2	70	70	64.6	130	14.8
SIX0444253	65	1.0	127	78	98	107	221	26.3
Std Nominal	115		16.0	5190				
Determined	115	2.0	15.8	5020	104	10.0	20.9	2.70
SIX0444254	10	2.5	102	150	134	100	210	24.7
SIX0444255	<5	<0.5	43.6	128	112	59.1	115	13.0
SIX0444256	10	<0.5	34.5	168	112	73.0	143	16.2
SIX0444257	<5	6.0	79.6	100	152	61.2	122	14.2
SIX0444257 Rpt	<5	6.0	79.0	100	154	58.3	117	13.9



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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
SIX0444258	35	5.5	58.8	94	132	69.3	137	16.0
SIX0444259	10	1.0	62.0	74	132	71.6	148	17.7
SIX0444259Q	10	3.5	14.2	3.14%	234	33.4	75.3	9.10
BLANK 3	<5	<0.5	0.2	<2	<2	<0.1	0.2	<0.05
SIX0444260	<5	1.0	81.0	84	118	78.0	160	19.3
SIX0444261	<5	2.0	66.3	72	152	77.2	158	19.2
SIX0444262	15	<0.5	54.8	80	150	63.5	131	15.7
SIX0444263	25	<0.5	89.5	82	98	89.0	187	22.4
SIX0444264	25	1.5	50.8	90	146	49.6	102	12.3
SIX0444265	<5	<0.5	87.7	76	140	65.8	133	16.0
SIX0444266	<5	<0.5	61.2	90	184	60.7	116	13.5
SIX0444267	<5	<0.5	67.2	88	120	63.6	125	14.5
SIX0444268	5	1.0	75.0	98	120	58.0	116	13.3
Std Nominal	20		10.1	14		20.3	44.5	5.20
Determined	20	1.0	10.0	18	44	20.6	44.9	4.95
SIX0444269	<5	1.0	62.5	88	126	57.5	115	12.9
SIX0444270	<5	1.0	79.7	86	126	62.1	124	14.6
SIX0444271	5	1.0	63.5	72	106	73.0	160	19.1
SIX0444272	10	1.0	53.8	78	84	65.3	134	16.3
SIX0444273	<5	1.0	86.3	64	112	81.3	170	20.7
SIX0444274	<5	3.5	68.4	78	112	63.6	132	16.0
SIX0444275	<5	1.0	73.4	64	112	63.1	131	15.4
SIX0444276	<5	23.0	61.8	62	166	58.1	120	14.0
SIX0444276 Rpt	<5	23.5	63.9	64	164	60.1	122	14.5
SIX0444277	<5	2.5	73.3	80	172	66.6	134	15.9
SIX0444278	30	1.5	62.6	72	110	51.4	106	12.4
SIX0444279	75	1.5	55.1	82	98	39.5	81.5	9.50
SIX0444280	15	1.0	90.6	66	96	57.2	115	13.7
SIX0444281	5	<0.5	55.6	80	134	47.2	97.2	11.4
SIX0444282	<5	<0.5	61.5	54	106	42.9	86.8	9.90
SIX0444283	<5	1.0	60.5	68	132	30.8	64.8	7.25
Std Nominal	105	85.0	19.5	68		144	154	13.1
Determined	105	82.5	19.2	68	192	138	159	12.8
SIX0444284	<5	2.0	84.8	76	164	48.2	94.0	10.8
SIX0444284Q	110	4.5	25.4	70	90	40.9	83.5	9.50
SIX0444285	65	1.5	43.0	80	80	44.9	90.4	10.5
SIX0444286	10	1.0	65.0	60	112	57.3	115	13.8
SIX0444287	50	1.0	62.2	74	110	46.5	96.0	11.4
SIX0444288	<5	<0.5	70.6	30	80	43.5	89.3	10.3
SIX0444289	<5	1.0	77.8	56	152	53.5	110	12.9
SIX0444290	<5	<0.5	75.7	64	182	56.9	115	13.6



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444291	10	1.0	72.3	80	196	52.3	106	12.7
SIX0444292	30	<0.5	58.9	60	136	44.3	91.5	10.8
SIX0444293	5	<0.5	57.9	54	178	49.9	100	11.8
SIX0444294	35	<0.5	51.5	86	144	46.5	93.1	11.2
SIX0444295	45	<0.5	40.1	58	52	38.1	78.7	9.60
Std Nominal	120	3.5	24.6	88	76	33.0	68.0	7.90
Determined	120	4.0	23.4	88	76	34.3	70.4	8.15
SIX0444296	140	<0.5	34.2	120	50	26.5	57.8	6.85
SIX0444297	95	<0.5	56.3	108	96	48.7	99.5	11.7
SIX0444298	15	<0.5	47.3	70	112	59.8	121	14.5
SIX0444299	10	<0.5	59.2	66	84	69.3	141	17.0
SIX0444300	15	<0.5	47.6	92	106	54.4	109	12.9
SIX0444301	40	<0.5	48.8	100	106	43.6	86.4	10.2
SIX0444302	<5	<0.5	68.0	60	110	65.7	133	16.3
SIX0444303	125	<0.5	45.8	96	64	24.5	55.9	6.75
SIX0444304	135	<0.5	27.3	86	46	38.8	76.3	8.75
SIX0444305	20	<0.5	45.2	72	80	76.5	152	17.9
SIX0444306	140	6.5	54.8	148	48	25.2	62.5	8.00
SIX0444306 Rpt	140	6.0	54.8	150	48	25.0	62.0	7.95
SIX0444307	35	2.5	49.6	72	118	60.9	120	14.2
SIX0444308	<5	<0.5	46.1	66	164	65.2	128	15.2
BLANK 4	<5	<0.5	<0.1	<2	<2	<0.1	0.2	<0.05
SIX0444309	<5	<0.5	45.5	74	154	63.5	124	14.9
SIX0444309Q	200	<0.5	18.7	100	202	28.0	61.1	7.35
SIX0444310	<5	1.0	72.9	146	196	63.9	127	15.3
SIX0444311	<5	1.0	71.6	142	162	61.7	121	14.5
Std Nominal	80	2.5	18.2	4.92%	106		48.5	6.45
Determined	75	3.5	17.8	4.69%	110	15.0	46.5	6.20
SIX0444312	<5	<0.5	67.7	128	168	62.6	121	14.4
SIX0444313	55	1.0	53.6	90	132	43.9	86.2	10.3
SIX0444314	60	1.0	24.0	84	48	37.3	71.8	8.15
SIX0444315	80	1.0	50.5	104	54	36.5	77.0	9.10
SIX0444316	105	1.0	35.5	116	32	25.7	57.0	6.60
SIX0444317	120	1.0	49.0	116	38	57.0	112	13.1
SIX0444318	85	1.0	46.0	80	40	28.7	62.4	7.70
SIX0444319	125	1.0	54.2	112	40	61.7	118	14.2
SIX0444320	130	1.0	64.5	112	34	54.1	110	13.5
SIX0444321	130	<0.5	68.3	118	38	65.6	128	15.8
SIX0444322	150	1.0	66.1	116	44	58.4	118	14.1
SIX0444322 Rpt	150	<0.5	63.8	116	44	59.1	115	13.9
SIX0444323	130	1.5	68.6	114	48	56.6	116	14.3



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444324	115	<0.5	66.0	114	48	66.3	131	15.7
SIX0444325	120	<0.5	62.4	120	50	67.9	133	15.9
SIX0444326	125	1.0	65.1	114	38	69.5	138	16.5
SIX0444327	90	1.0	58.2	110	50	51.5	102	12.3
SIX0444328	85	1.5	59.5	76	32	52.4	102	12.1
Std Nominal	115		16.0	5190				
Determined	110	2.0	16.0	4980	100	10.0	20.3	2.60
SIX0444329	85	1.5	63.0	116	34	38.4	84.9	10.5
SIX0444330	85	1.0	50.5	118	48	35.2	70.5	8.45
SIX0444331	70	<0.5	39.8	80	40	15.8	33.8	4.25
SIX0444332	50	<0.5	43.5	88	90	66.8	129	15.1
SIX0444333	30	<0.5	43.7	60	94	51.7	99.1	11.6
SIX0444334	40	<0.5	51.2	108	90	50.7	100	12.1
SIX0444334Q	205	<0.5	18.7	104	208	28.5	61.2	7.20
SIX0444335	125	11.0	56.4	164	50	35.0	74.6	9.45
SIX0444336	10	1.0	50.6	76	90	56.5	112	13.3
SIX0444337	150	1.0	42.3	116	60	27.7	61.5	7.25
Std Nominal	20		10.1	14		20.3	44.5	5.20
Determined	20	<0.5	10.5	14	44	20.3	45.7	5.25
SIX0444338	160	1.5	59.4	144	28	20.4	48.5	5.95
SIX0444339	250	<0.5	49.1	160	22	11.2	26.7	3.95
SIX0444340	240	1.0	56.7	172	28	14.3	36.4	4.90
SIX0444341	220	1.0	68.5	172	32	20.6	53.4	7.25
SIX0444342	25	<0.5	60.3	154	156	60.9	118	14.0
SIX0444343	25	1.0	73.2	92	150	63.4	130	15.2
SIX0444343 Rpt	25	1.0	72.7	92	152	64.6	131	15.4
SIX0444344	30	<0.5	71.0	68	164	65.4	128	15.4
SIX0444345	20	<0.5	58.2	70	98	63.7	128	15.2
BLANK 5	<5	<0.5	0.3	<2	<2	0.2	<0.1	<0.05
SIX0444346	90	<0.5	23.3	70	50	41.0	84.3	9.80
SIX0444347	160	1.0	34.0	104	64	24.1	52.3	6.15
SIX0444348	165	1.0	34.4	106	64	24.7	53.9	6.45
SIX0444349	40	2.5	66.2	86	110	55.4	106	12.8
SIX0444350	85	1.0	53.2	96	104	51.3	101	12.1
Std Nominal	105	85.0	19.5	68		144	154	13.1
Determined	105	87.5	20.3	70	204	140	156	13.0
SIX0444351	20	1.5	50.2	74	144	57.9	112	13.4
SIX0444352	10	1.0	73.9	70	156	69.1	134	15.9
SIX0444353	<5	1.0	48.7	56	178	63.9	126	14.9
SIX0444354	120	1.5	49.7	100	62	34.2	71.0	8.55
SIX0444355	190	1.5	64.3	134	34	19.7	49.0	6.50



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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
SIX0444356	205	1.5	92.3	160	64	62.9	135	16.8
SIX0444357	140	1.0	58.9	146	48	54.7	112	13.7
SIX0444357 Rpt	135	1.0	58.4	142	46	53.5	108	13.5
SIX0444358	50	1.0	39.0	82	50	41.4	77.2	9.15
Std Nominal	120	3.5	24.6	88	76	33.0	68.0	7.90
Determined	120	3.0	24.8	90	78	34.2	70.1	7.70



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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
SIX0444064	Sample Not Received							
SIX0444065	Sample Not Received							
SIX0444066	Sample Not Received							
SIX0444067	Sample Not Received							
SIX0444068	Sample Not Received							
Std Nominal			0.85	4.4		3.45	0.68	1.95
Determined	25.3	5.10	0.85	4.2	0.62	3.50	0.72	2.05
SIX0444069	Sample Not Received							
SIX0444070	Sample Not Received							
SIX0444071	Sample Not Received							
SIX0444072	Sample Not Received							
SIX0444073	Sample Not Received							
SIX0444074	Sample Not Received							
SIX0444075	Sample Not Received							
SIX0444075 Rpt	Sample Not Received							
SIX0444076	Sample Not Received							
SIX0444077	Sample Not Received							
SIX0444078	Sample Not Received							
SIX0444079	Sample Not Received							
SIX0444080	Sample Not Received							
SIX0444081	Sample Not Received							
SIX0444082	Sample Not Received							
SIX0444083	Sample Not Received							
SIX0444084	Sample Not Received							
SIX0444084Q	Sample Not Received							
SIX0444085	37.5	9.60	2.20	11.0	1.92	12.0	2.58	7.75
SIX0444086	32.8	7.95	2.05	9.0	1.58	10.0	2.16	6.45
SIX0444087	26.6	6.50	1.85	7.6	1.22	7.55	1.62	4.80
SIX0444088	25.6	6.25	1.75	7.2	1.20	7.30	1.54	4.55
Std Nominal								
Determined	12.1	3.05	1.15	3.4	0.56	3.30	0.66	1.95
SIX0444089	26.5	6.30	1.70	7.2	1.18	7.35	1.54	4.40
SIX0444090	29.6	7.10	1.85	7.8	1.32	8.30	1.74	5.20
SIX0444091	23.5	6.20	1.25	7.4	1.28	8.05	1.68	5.10
SIX0444092	27.0	6.00	1.15	6.6	1.08	6.40	1.32	3.95



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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
SIX0444093	31.7	7.30	1.85	8.0	1.28	7.90	1.64	4.70
SIX0444094	22.1	5.55	1.30	6.6	1.18	7.40	1.58	4.80
SIX0444095	23.0	5.70	1.55	6.6	1.10	6.95	1.48	4.35
SIX0444096	23.5	6.10	1.50	7.0	1.20	7.40	1.58	4.75
SIX0444097	33.2	7.10	1.45	7.0	1.14	6.75	1.44	4.10
SIX0444097 Rpt	34.0	7.30	1.50	7.2	1.16	6.95	1.46	4.25
SIX0444098	40.9	7.45	1.50	6.6	0.98	5.40	1.08	3.00
SIX0444099	41.8	7.70	1.50	6.6	0.94	5.10	1.00	2.70
SIX0444100	35.3	7.45	1.75	7.8	1.26	7.60	1.62	4.75
SIX0444201	34.9	7.70	1.85	7.8	1.26	7.40	1.52	4.50
Std Nominal	19.4	3.80		3.2	0.42		0.42	1.20
Determined	18.6	3.85	1.05	2.8	0.40	2.15	0.40	1.15
SIX0444202	31.9	8.20	1.35	9.0	1.56	9.35	1.96	5.75
SIX0444203	24.5	6.05	1.55	7.0	1.18	7.35	1.56	4.55
SIX0444204	22.8	5.60	1.50	6.4	1.08	6.60	1.40	4.25
SIX0444205	25.7	6.55	1.75	7.6	1.26	7.90	1.66	4.85
SIX0444206	26.3	6.50	1.65	7.6	1.28	8.00	1.70	5.05
SIX0444207	30.6	7.35	1.70	8.2	1.40	8.60	1.84	5.45
SIX0444208	69.0	16.6	1.45	16.2	2.42	12.7	2.38	6.35
SIX0444209	32.1	7.35	1.20	7.6	1.22	7.20	1.50	4.40
SIX0444209Q	24.3	5.85	2.20	5.4	0.78	4.20	0.82	2.30
SIX0444210	26.3	5.95	1.35	6.4	1.08	6.65	1.36	4.10
SIX0444211	26.1	6.00	1.45	6.6	1.12	6.80	1.44	4.20
SIX0444212	35.4	7.30	1.55	6.8	1.02	5.80	1.14	3.20
SIX0444213	34.5	7.40	1.70	7.4	1.18	6.85	1.40	4.05
SIX0444214	21.2	5.45	1.30	6.4	1.08	6.75	1.44	4.20
Std Nominal	42.7	6.80	2.15	5.8	0.80	4.05	0.76	1.95
Determined	NR	NR	NR	NR	NR	NR	NR	NR
SIX0444215	33.3	7.95	1.50	9.0	1.56	9.95	2.10	6.20
SIX0444216	39.8	8.40	1.95	8.6	1.40	8.20	1.70	4.95
SIX0444217	38.4	8.10	2.00	8.4	1.32	7.55	1.56	4.40
SIX0444218	30.6	7.25	1.90	8.2	1.42	8.80	1.88	5.55
SIX0444219	26.3	6.05	1.55	6.8	1.10	6.55	1.34	3.95
SIX0444220	28.9	7.25	1.85	8.8	1.54	9.80	2.08	6.20
SIX0444221	29.0	7.10	1.50	8.2	1.42	8.85	1.90	5.60
SIX0444221 Rpt	28.5	7.05	1.45	8.2	1.40	8.80	1.90	5.65
SIX0444222	24.0	5.65	1.65	6.6	1.08	6.45	1.34	3.95
SIX0444223	39.8	7.85	2.05	7.4	1.12	6.30	1.26	3.45
SIX0444224	39.4	7.50	1.65	7.0	1.02	5.80	1.16	3.25
SIX0444225	42.0	7.85	1.95	7.0	0.98	5.50	1.08	3.15
SIX0444226	32.6	8.35	1.70	10.0	1.74	10.7	2.18	6.30



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444227	29.9	7.05	1.50	8.0	1.32	8.05	1.70	4.85
SIX0444228	45.5	9.15	1.70	9.0	1.36	7.70	1.50	4.25
SIX0444229	27.8	5.65	1.05	5.6	0.84	4.75	0.96	2.65
SIX0444230	56.3	11.0	1.65	10.4	1.60	8.80	1.72	4.80
Std Nominal	30.6	5.95	1.40	5.4	0.80	4.85	0.92	2.60
Determined	30.1	5.90	1.35	5.6	0.80	4.70	0.88	2.55
SIX0444231	15.1	4.15	0.65	5.2	0.94	6.05	1.24	3.60
BLANK 2	0.10	<0.05	<0.05	<0.2	<0.02	0.05	<0.02	0.05
SIX0444232	14.0	4.10	0.75	5.2	0.94	5.70	1.12	3.10
SIX0444233	53.8	10.5	1.80	9.4	1.40	7.70	1.52	4.35
SIX0444234	54.4	10.5	1.90	9.0	1.32	7.35	1.48	4.25
SIX0444234Q	28.0	5.80	1.95	5.6	0.78	4.00	0.74	1.90
SIX0444235	43.4	8.35	1.50	7.6	1.12	6.45	1.30	3.75
SIX0444236	57.8	11.2	1.90	10.2	1.52	8.75	1.78	5.30
SIX0444236 Rpt	61.3	11.5	1.95	10.6	1.56	8.95	1.84	5.40
SIX0444237	45.6	9.25	1.70	9.0	1.42	8.55	1.80	5.40
SIX0444238	41.0	8.45	1.55	8.4	1.40	8.85	1.88	5.65
SIX0444239	48.7	9.70	1.70	9.4	1.50	9.15	1.90	5.65
SIX0444240	30.1	6.35	1.35	7.0	1.22	7.95	1.74	5.20
SIX0444241	74.1	14.2	2.10	12.6	1.86	9.90	1.88	5.05
SIX0444242	46.0	8.95	1.65	8.8	1.38	7.95	1.58	4.40
SIX0444243	31.8	5.80	1.15	6.0	1.00	6.45	1.46	4.40
Std Nominal			0.85	4.4		3.45	0.68	1.95
Determined	23.9	4.80	0.85	4.2	0.60	3.30	0.66	1.90
SIX0444244	39.9	8.25	1.55	8.6	1.42	9.05	1.94	5.90
SIX0444245	41.5	9.00	1.50	9.4	1.58	9.80	1.94	5.45
SIX0444246	66.4	15.5	1.85	17.4	2.98	17.6	3.38	9.10
SIX0444247	58.0	12.9	1.70	13.2	2.02	11.2	2.08	5.55
SIX0444248	59.1	12.5	1.85	12.2	1.80	10.1	1.98	5.65
SIX0444249	38.5	8.30	1.45	8.8	1.42	8.55	1.72	4.95
SIX0444250	16.0	3.85	1.15	4.6	0.78	4.75	0.98	2.85
SIX0444251	49.3	10.1	1.85	10.0	1.54	8.50	1.62	4.40
SIX0444252	53.0	11.4	1.65	12.6	2.06	12.6	2.64	7.55
SIX0444253	96.6	21.7	2.15	23.8	3.80	22.1	4.62	13.5
Std Nominal								
Determined	11.2	2.90	1.10	3.2	0.52	3.10	0.62	1.75
SIX0444254	90.9	20.0	2.40	21.2	3.30	18.8	3.80	11.3
SIX0444255	47.5	9.35	1.85	9.0	1.30	7.60	1.60	5.00
SIX0444256	57.7	10.9	1.95	9.8	1.30	6.95	1.28	3.60
SIX0444257	51.7	10.8	1.80	11.2	1.88	12.7	2.92	9.15
SIX0444257 Rpt	50.4	10.4	1.75	10.8	1.80	12.1	2.78	8.80



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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
SIX0444258	59.0	11.8	1.95	12.0	1.82	10.6	2.16	6.50
SIX0444259	66.0	13.8	2.15	13.2	1.90	10.9	2.32	7.35
SIX0444259Q	33.7	6.55	1.30	5.6	0.72	3.30	0.50	1.20
BLANK 3	0.10	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444260	72.8	15.5	2.15	15.4	2.28	13.6	3.06	10.0
SIX0444261	72.8	16.0	2.25	15.8	2.26	12.4	2.48	7.30
SIX0444262	59.1	12.5	2.05	12.0	1.74	9.85	2.00	6.15
SIX0444263	84.3	18.5	2.15	18.0	2.68	15.6	3.34	10.9
SIX0444264	46.0	10.3	1.65	10.6	1.60	9.20	1.90	5.80
SIX0444265	61.0	12.9	2.20	12.8	2.16	14.4	3.30	10.6
SIX0444266	49.6	9.85	2.35	9.8	1.54	9.90	2.24	7.10
SIX0444267	54.2	11.1	2.10	10.6	1.68	10.9	2.52	8.15
SIX0444268	50.0	9.95	2.40	9.6	1.56	11.3	2.86	10.5
Std Nominal	19.4	3.80		3.2	0.42		0.42	1.20
Determined	18.6	3.55	1.05	2.8	0.42	2.25	0.42	1.15
SIX0444269	47.5	9.35	2.30	9.4	1.50	10.0	2.30	7.40
SIX0444270	55.1	10.9	2.25	11.0	1.80	13.0	3.02	10.0
SIX0444271	72.8	16.0	1.95	15.6	2.14	11.8	2.30	6.70
SIX0444272	61.9	13.3	1.85	12.8	1.80	10.1	2.00	5.95
SIX0444273	78.7	16.5	2.30	16.0	2.36	14.9	3.26	10.7
SIX0444274	60.0	13.3	2.15	13.8	2.06	12.1	2.52	7.80
SIX0444275	57.6	12.4	1.95	12.4	1.88	12.3	2.70	8.65
SIX0444276	53.0	11.4	1.80	11.6	1.76	10.8	2.24	7.30
SIX0444276 Rpt	53.8	11.7	1.85	11.6	1.80	11.2	2.34	7.10
SIX0444277	59.5	12.6	2.10	13.0	2.02	12.9	2.80	8.70
SIX0444278	46.4	9.85	1.95	10.0	1.60	10.6	2.34	7.40
SIX0444279	35.6	7.70	1.65	8.4	1.40	9.40	2.06	6.50
SIX0444280	51.5	10.9	2.10	11.2	1.92	14.0	3.38	11.5
SIX0444281	42.7	8.80	1.85	9.0	1.44	9.45	2.08	6.70
SIX0444282	35.4	7.70	1.70	8.2	1.36	9.55	2.26	7.30
SIX0444283	25.5	5.30	1.55	6.2	1.16	9.15	2.18	7.25
Std Nominal	42.7	6.80	2.15	5.8	0.80	4.05	0.76	1.95
Determined	41.4	6.75	2.10	5.8	0.78	4.15	0.74	1.95
SIX0444284	39.3	8.25	1.80	9.2	1.70	12.9	3.02	10.0
SIX0444284Q	34.4	6.65	1.45	5.8	0.86	5.05	0.96	2.75
SIX0444285	39.9	8.55	1.80	9.0	1.38	8.20	1.60	4.80
SIX0444286	51.6	10.8	1.95	11.0	1.70	11.0	2.42	7.65
SIX0444287	42.7	9.20	1.90	9.8	1.60	10.8	2.36	7.40
SIX0444288	39.0	8.75	1.75	9.4	1.58	11.3	2.68	9.00
SIX0444289	48.5	10.7	2.05	11.6	1.92	13.6	2.98	9.65
SIX0444290	51.1	11.0	2.20	11.6	1.88	12.8	2.78	8.75



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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
SIX0444291	48.4	10.4	2.15	11.0	1.84	12.5	2.76	8.55
SIX0444292	40.1	8.80	1.85	9.2	1.52	10.1	2.24	7.10
SIX0444293	45.2	9.70	2.10	9.8	1.52	10.1	2.18	6.90
SIX0444294	41.7	9.05	2.00	9.4	1.48	9.45	1.92	5.80
SIX0444295	36.8	8.55	1.70	8.8	1.32	7.80	1.46	4.00
Std Nominal	30.6	5.95	1.40	5.4	0.80	4.85	0.92	2.60
Determined	29.7	5.85	1.35	5.4	0.78	4.65	0.88	2.50
SIX0444296	26.6	6.05	1.50	6.8	1.06	6.45	1.28	3.80
SIX0444297	44.5	10.3	1.85	11.0	1.72	10.6	2.14	6.15
SIX0444298	53.7	11.1	1.85	11.0	1.58	9.45	1.78	5.10
SIX0444299	62.2	13.0	1.85	12.6	1.82	11.0	2.20	6.45
SIX0444300	47.4	10.1	1.85	10.0	1.48	8.95	1.76	5.05
SIX0444301	38.1	7.95	1.85	8.2	1.30	8.55	1.84	5.60
SIX0444302	60.9	13.2	2.20	13.2	2.00	12.6	2.64	7.85
SIX0444303	26.5	6.50	1.55	7.6	1.22	8.00	1.66	5.05
SIX0444304	32.3	7.05	1.30	7.2	1.02	6.05	1.12	2.95
SIX0444305	65.3	13.3	1.90	12.0	1.72	9.45	1.74	4.70
SIX0444306	31.9	8.35	1.50	9.8	1.66	10.7	2.10	6.05
SIX0444306 Rpt	31.8	8.40	1.50	9.6	1.60	10.4	2.08	6.20
SIX0444307	52.0	10.8	1.95	10.8	1.60	9.90	1.98	5.60
SIX0444308	57.0	11.4	2.15	11.0	1.54	9.20	1.76	5.05
BLANK 4	0.10	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444309	55.4	11.3	2.10	10.8	1.54	9.40	1.84	5.30
SIX0444309Q	28.8	6.00	2.00	5.8	0.80	4.25	0.76	2.00
SIX0444310	56.7	11.9	2.10	12.2	1.98	13.6	2.86	8.60
SIX0444311	55.9	10.6	2.10	11.4	1.80	12.3	2.68	8.25
Std Nominal			0.85	4.4		3.45	0.68	1.95
Determined	23.1	4.40	0.85	4.0	0.56	3.30	0.64	1.85
SIX0444312	55.7	11.0	2.05	11.4	1.80	12.0	2.60	7.75
SIX0444313	40.1	8.60	1.65	9.8	1.52	9.70	1.94	5.75
SIX0444314	31.0	6.15	1.30	6.4	0.88	5.05	0.92	2.40
SIX0444315	35.7	7.90	1.50	9.2	1.46	9.40	1.92	5.50
SIX0444316	26.2	5.55	1.20	6.4	0.98	6.45	1.32	3.85
SIX0444317	51.1	9.80	2.15	10.2	1.46	9.10	1.86	5.30
SIX0444318	31.3	6.90	1.70	8.2	1.28	8.35	1.66	4.75
SIX0444319	55.7	10.4	2.05	10.6	1.56	9.80	2.00	5.80
SIX0444320	54.0	10.9	2.25	12.2	1.88	12.1	2.50	7.25
SIX0444321	62.3	12.3	2.40	13.2	2.00	12.6	2.58	7.50
SIX0444322	55.9	10.9	2.15	12.0	1.86	11.9	2.52	7.40
SIX0444322 Rpt	54.7	10.6	2.10	11.8	1.78	11.7	2.42	7.10
SIX0444323	57.9	11.5	2.20	12.6	1.94	12.5	2.60	7.80



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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
SIX0444324	62.0	12.0	2.25	12.4	1.88	11.9	2.50	7.35
SIX0444325	62.9	12.0	2.30	12.4	1.84	11.5	2.34	6.85
SIX0444326	64.8	12.3	2.30	12.8	1.88	12.1	2.44	7.15
SIX0444327	48.7	9.80	2.10	10.8	1.70	10.9	2.18	6.25
SIX0444328	46.3	9.10	1.70	9.8	1.54	10.3	2.18	6.60
Std Nominal								
Determined	11.0	2.75	1.05	3.4	0.52	3.25	0.64	1.85
SIX0444329	41.5	8.85	1.60	9.6	1.58	10.9	2.30	7.15
SIX0444330	34.3	7.20	1.35	8.6	1.36	8.95	1.90	5.70
SIX0444331	17.7	4.40	1.05	6.0	1.06	7.20	1.50	4.65
SIX0444332	58.0	10.3	2.05	10.0	1.38	8.15	1.60	4.55
SIX0444333	45.5	8.45	2.15	8.6	1.18	7.45	1.68	5.65
SIX0444334	48.6	9.60	2.20	10.6	1.54	9.80	1.90	5.50
SIX0444334Q	29.2	5.65	1.95	5.8	0.76	4.30	0.76	1.90
SIX0444335	39.8	8.70	2.00	10.2	1.62	10.2	2.02	5.80
SIX0444336	52.1	10.3	2.50	10.8	1.54	9.70	1.98	5.90
SIX0444337	29.5	6.40	1.40	7.8	1.22	7.90	1.58	4.60
Std Nominal	19.4	3.80		3.2	0.42		0.42	1.20
Determined	20.0	3.75	1.05	3.2	0.40	2.40	0.42	1.20
SIX0444338	25.2	6.50	1.30	9.0	1.62	10.9	2.20	6.40
SIX0444339	18.3	5.25	1.45	7.4	1.28	9.00	1.82	5.20
SIX0444340	21.5	6.10	1.35	8.6	1.50	10.3	2.08	6.15
SIX0444341	32.3	8.75	1.25	12.0	2.04	13.4	2.62	7.25
SIX0444342	54.8	10.7	2.00	11.6	1.74	11.1	2.28	6.85
SIX0444343	60.8	11.8	2.40	12.4	2.02	13.5	2.72	8.30
SIX0444343 Rpt	58.6	12.0	2.30	12.8	2.00	13.2	2.74	8.25
SIX0444344	60.9	12.2	2.30	13.2	2.00	12.7	2.62	8.05
SIX0444345	59.0	11.9	2.00	12.6	1.76	10.8	2.12	6.25
BLANK 5	0.15	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444346	37.9	7.75	1.45	8.0	1.04	5.45	0.92	2.30
SIX0444347	24.4	5.45	1.30	6.6	1.04	6.30	1.24	3.55
SIX0444348	24.9	5.55	1.25	6.8	1.04	6.45	1.26	3.55
SIX0444349	49.9	10.1	2.10	11.2	1.76	11.7	2.52	7.80
SIX0444350	47.9	9.80	1.75	10.8	1.62	9.90	1.98	5.70
Std Nominal	42.7	6.80	2.15	5.8	0.80	4.05	0.76	1.95
Determined	44.6	6.85	2.15	6.2	0.80	4.15	0.80	2.05
SIX0444351	52.6	10.3	1.90	10.8	1.52	9.40	1.90	5.60
SIX0444352	60.5	12.3	2.10	13.8	2.04	13.1	2.64	8.10
SIX0444353	57.8	11.1	2.05	11.2	1.56	9.20	1.80	5.00
SIX0444354	33.8	7.75	1.65	9.4	1.48	9.25	1.82	5.20
SIX0444355	28.4	8.00	1.70	11.2	1.86	12.0	2.38	6.65



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444356	69.1	16.2	2.20	20.0	3.08	18.6	3.46	9.15
SIX0444357	56.2	12.3	2.35	13.6	2.00	11.7	2.28	6.30
SIX0444357 Rpt	55.1	12.0	2.30	13.2	1.92	11.3	2.22	6.10
SIX0444358	36.0	7.10	1.65	8.0	1.18	7.35	1.48	4.40
Std Nominal	30.6	5.95	1.40	5.4	0.80	4.85	0.92	2.60
Determined	30.9	6.00	1.40	5.8	0.82	4.80	0.92	2.60



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METHOD CODE	MA102	MA102	MA102	FA001	PR002	PR403
Determinants	Tm	Yb	Lu	Au*	WetWt	Pass75um
Units	ppm	ppm	ppm	ppm	grams	%
Detection Limit	0.05	0.05	0.02	0.01	1	0.01
BLANK 1	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444064	Sample Not Received					
SIX0444065	Sample Not Received					
SIX0444066	Sample Not Received					
SIX0444067	Sample Not Received					
SIX0444068	Sample Not Received					
Std Nominal	0.30	1.90	0.28	2.00		
Determined	0.25	1.90	0.30	1.94	NR	NR
SIX0444069	Sample Not Received					
SIX0444070	Sample Not Received					
SIX0444071	Sample Not Received					
SIX0444072	Sample Not Received					
SIX0444073	Sample Not Received					
SIX0444074	Sample Not Received					
SIX0444075	Sample Not Received					
SIX0444075 Rpt	Sample Not Received					
SIX0444076	Sample Not Received					
SIX0444077	Sample Not Received					
SIX0444078	Sample Not Received					
SIX0444079	Sample Not Received					
SIX0444080	Sample Not Received					
SIX0444081	Sample Not Received					
SIX0444082	Sample Not Received					
SIX0444083	Sample Not Received					
SIX0444084	Sample Not Received					
SIX0444084Q	Sample Not Received					
SIX0444085	0.95	7.05	1.02	<0.01	1807	97.0
SIX0444086	0.80	5.95	0.86	<0.01	3889	NR
SIX0444087	0.60	4.25	0.64	<0.01	3254	NR
SIX0444088	0.55	4.05	0.60	<0.01	3990	NR
Std Nominal						
Determined	0.25	1.80	0.26	1.00	NR	NR
SIX0444089	0.55	4.10	0.60	<0.01	4658	NR
SIX0444090	0.65	4.70	0.70	<0.01	4952	NR
SIX0444091	0.65	4.90	0.70	<0.01	3967	NR
SIX0444092	0.50	3.55	0.50	<0.01	3079	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
SIX0444093	0.55	4.20	0.60	<0.01	4212	NR
SIX0444094	0.60	4.55	0.66	<0.01	3725	NR
SIX0444095	0.55	3.95	0.58	<0.01	5760	NR
SIX0444096	0.60	4.50	0.66	<0.01	4170	NR
SIX0444097	0.50	3.80	0.56	<0.01	4348	NR
SIX0444097 Rpt	0.50	3.95	0.56	<0.01	NR	NR
SIX0444098	0.35	2.50	0.36	<0.01	3918	NR
SIX0444099	0.30	2.15	0.30	<0.01	3946	NR
SIX0444100	0.60	4.35	0.64	0.01	4079	NR
SIX0444201	0.55	4.20	0.62	<0.01	4005	NR
Std Nominal	0.15	1.05	0.16	0.31		
Determined	0.15	1.05	0.16	0.32	NR	NR
SIX0444202	0.70	5.35	0.78	<0.01	2873	NR
SIX0444203	0.55	4.30	0.64	<0.01	2971	NR
SIX0444204	0.55	4.00	0.60	<0.01	2959	NR
SIX0444205	0.60	4.55	0.68	<0.01	2810	97.9
SIX0444206	0.65	5.00	0.72	<0.01	2958	NR
SIX0444207	0.70	5.25	0.76	<0.01	2956	NR
SIX0444208	0.70	5.10	0.72	<0.01	2674	NR
SIX0444209	0.55	4.20	0.62	<0.01	2747	NR
SIX0444209Q	0.30	2.10	0.32	0.36	94	NR
SIX0444210	0.50	4.00	0.58	<0.01	2796	NR
SIX0444211	0.55	4.10	0.62	<0.01	3130	NR
SIX0444212	0.35	2.65	0.38	<0.01	2547	NR
SIX0444213	0.50	3.70	0.54	<0.01	2722	NR
SIX0444214	0.55	4.05	0.60	<0.01	3170	NR
Std Nominal	0.25	1.70	0.28	2.00		
Determined	NR	NR	NR	2.01	NR	NR
SIX0444215	0.75	5.35	0.76	<0.01	2808	NR
SIX0444216	0.60	4.45	0.64	<0.01	3053	NR
SIX0444217	0.55	4.00	0.58	<0.01	2915	NR
SIX0444218	0.70	5.20	0.74	<0.01	3064	NR
SIX0444219	0.50	3.65	0.52	<0.01	2948	NR
SIX0444220	0.80	6.00	0.86	<0.01	3005	NR
SIX0444221	0.70	5.30	0.76	<0.01	2940	NR
SIX0444221 Rpt	0.70	5.20	0.76	<0.01	NR	NR
SIX0444222	0.50	3.60	0.54	<0.01	2797	NR
SIX0444223	0.40	2.95	0.44	0.01	2923	NR
SIX0444224	0.40	3.00	0.44	<0.01	2812	99.0
SIX0444225	0.35	2.80	0.40	<0.01	2878	NR
SIX0444226	0.75	5.55	0.78	0.01	3036	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
SIX0444227	0.60	4.75	0.70	0.01	2841	NR
SIX0444228	0.55	4.00	0.56	<0.01	2829	NR
SIX0444229	0.35	2.45	0.36	<0.01	2883	NR
SIX0444230	0.55	4.20	0.60	<0.01	3160	NR
Std Nominal	0.35	2.50	0.38			
Determined	0.30	2.45	0.34	1.04	NR	NR
SIX0444231	0.45	3.55	0.50	<0.01	2680	NR
BLANK 2	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444232	0.40	3.05	0.42	<0.01	2243	NR
SIX0444233	0.55	4.30	0.64	<0.01	3699	NR
SIX0444234	0.50	4.15	0.60	<0.01	2768	NR
SIX0444234Q	0.20	1.55	0.22	<0.01	94	NR
SIX0444235	0.50	3.75	0.54	<0.01	2855	NR
SIX0444236	0.70	5.10	0.74	<0.01	3574	NR
SIX0444236 Rpt	0.70	5.25	0.76	<0.01	NR	NR
SIX0444237	0.70	5.20	0.78	<0.01	2547	NR
SIX0444238	0.75	5.55	0.82	<0.01	1808	NR
SIX0444239	0.70	5.50	0.80	<0.01	2687	NR
SIX0444240	0.65	4.90	0.68	<0.01	2889	NR
SIX0444241	0.60	4.55	0.64	<0.01	2522	NR
SIX0444242	0.50	3.90	0.56	<0.01	3042	NR
SIX0444243	0.55	4.30	0.64	<0.01	2494	94.1
Std Nominal	0.30	1.90	0.28	0.31		
Determined	0.25	1.80	0.26	0.32	NR	NR
SIX0444244	0.75	5.95	0.86	<0.01	2667	NR
SIX0444245	0.65	4.85	0.66	<0.01	2577	NR
SIX0444246	1.05	7.30	0.98	0.01	2593	NR
SIX0444247	0.65	4.45	0.62	<0.01	2392	NR
SIX0444248	0.70	5.10	0.76	<0.01	2420	NR
SIX0444249	0.60	4.45	0.64	<0.01	2790	NR
SIX0444250	0.35	2.70	0.38	<0.01	2918	NR
SIX0444251	0.50	3.60	0.48	0.01	2940	NR
SIX0444252	0.90	6.20	0.80	<0.01	2620	NR
SIX0444253	1.60	11.3	1.62	<0.01	2710	NR
Std Nominal				2.00		
Determined	0.20	1.70	0.26	1.95	NR	NR
SIX0444254	1.25	9.05	1.30	<0.01	2402	NR
SIX0444255	0.65	4.90	0.76	<0.01	2490	NR
SIX0444256	0.45	3.30	0.48	<0.01	2882	NR
SIX0444257	1.20	9.10	1.30	<0.01	2547	NR
SIX0444257 Rpt	1.15	9.05	1.24	<0.01	NR	NR



Reference: aa078099.a Order Number: OGDD002 Page 53 of 57

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
SIX0444258	0.80	6.40	0.94	<0.01	2637	NR
SIX0444259	1.00	8.15	1.26	<0.01	2511	NR
SIX0444259Q	0.10	0.90	0.12	0.66	115	NR
BLANK 3	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444260	1.35	11.1	1.74	<0.01	2281	NR
SIX0444261	0.90	7.15	1.08	<0.01	2765	NR
SIX0444262	0.80	6.05	0.90	<0.01	2487	96.2
SIX0444263	1.50	12.4	1.92	<0.01	2498	NR
SIX0444264	0.75	5.75	0.86	<0.01	2665	NR
SIX0444265	1.40	10.9	1.62	<0.01	2742	NR
SIX0444266	0.95	7.35	1.12	<0.01	2621	NR
SIX0444267	1.10	9.10	1.36	<0.01	2699	NR
SIX0444268	1.55	13.5	2.12	<0.01	2718	NR
Std Nominal	0.15	1.05	0.16			
Determined	0.15	1.10	0.16	1.00	NR	NR
SIX0444269	1.00	7.65	1.14	<0.01	2466	NR
SIX0444270	1.35	10.6	1.62	<0.01	2828	NR
SIX0444271	0.85	6.40	0.96	<0.01	2265	NR
SIX0444272	0.75	5.75	0.86	<0.01	2314	NR
SIX0444273	1.45	11.5	1.78	<0.01	2383	NR
SIX0444274	1.00	7.65	1.14	<0.01	2552	NR
SIX0444275	1.10	8.60	1.26	<0.01	2339	NR
SIX0444276	0.85	7.25	1.02	0.01	2350	NR
SIX0444276 Rpt	0.95	7.20	1.06	<0.01	NR	NR
SIX0444277	1.10	8.55	1.30	<0.01	2224	NR
SIX0444278	0.95	7.50	1.10	<0.01	2364	NR
SIX0444279	0.85	6.30	0.94	<0.01	3078	NR
SIX0444280	1.60	12.9	1.98	<0.01	1629	NR
SIX0444281	0.85	6.85	1.02	<0.01	2224	NR
SIX0444282	0.90	6.75	0.98	<0.01	2719	99.4
SIX0444283	0.90	6.60	0.98	<0.01	2688	NR
Std Nominal	0.25	1.70	0.28	0.31		
Determined	0.25	1.75	0.26	0.31	NR	NR
SIX0444284	1.30	10.0	1.52	<0.01	2615	NR
SIX0444284Q	0.35	2.60	0.38	<0.01	95	NR
SIX0444285	0.60	4.55	0.68	<0.01	1661	NR
SIX0444286	1.00	8.10	1.22	<0.01	2644	NR
SIX0444287	0.95	7.55	1.10	<0.01	3016	NR
SIX0444288	1.30	10.6	1.62	<0.01	2702	NR
SIX0444289	1.25	10.2	1.56	<0.01	2676	NR
SIX0444290	1.15	8.90	1.34	<0.01	2113	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
SIX0444291	1.10	8.65	1.30	<0.01	2534	NR
SIX0444292	0.95	7.40	1.12	0.01	2684	NR
SIX0444293	0.90	7.50	1.18	0.01	2634	NR
SIX0444294	0.70	5.60	0.84	<0.01	2776	NR
SIX0444295	0.45	3.45	0.50	<0.01	2566	NR
Std Nominal	0.35	2.50	0.38	2.00		
Determined	0.30	2.40	0.34	1.92	NR	NR
SIX0444296	0.45	3.40	0.52	<0.01	2739	NR
SIX0444297	0.75	5.60	0.82	<0.01	2617	NR
SIX0444298	0.60	4.75	0.70	<0.01	2399	NR
SIX0444299	0.75	5.35	0.78	<0.01	1686	NR
SIX0444300	0.60	4.40	0.66	<0.01	3351	NR
SIX0444301	0.70	5.65	0.84	<0.01	2558	96.8
SIX0444302	1.00	7.50	1.10	<0.01	2704	NR
SIX0444303	0.65	4.90	0.72	<0.01	3014	NR
SIX0444304	0.35	2.35	0.34	<0.01	2884	NR
SIX0444305	0.50	3.85	0.54	<0.01	2724	NR
SIX0444306	0.75	5.65	0.82	<0.01	2832	NR
SIX0444306 Rpt	0.75	5.70	0.80	<0.01	NR	NR
SIX0444307	0.70	5.15	0.76	<0.01	2676	NR
SIX0444308	0.60	4.50	0.66	<0.01	2542	NR
BLANK 4	<0.05	<0.05	<0.02	<0.01	NR	NR
SIX0444309	0.60	4.80	0.68	<0.01	2810	NR
SIX0444309Q	0.20	1.60	0.22	<0.01	106	NR
SIX0444310	1.10	8.35	1.24	<0.01	2416	NR
SIX0444311	1.05	8.00	1.22	<0.01	2514	NR
Std Nominal	0.30	1.90	0.28			
Determined	0.25	1.95	0.26	1.01	NR	NR
SIX0444312	1.00	7.30	1.12	<0.01	2456	NR
SIX0444313	0.75	5.50	0.86	<0.01	2924	NR
SIX0444314	0.30	2.00	0.30	<0.01	2592	NR
SIX0444315	0.65	4.75	0.70	<0.01	2576	NR
SIX0444316	0.50	3.55	0.52	<0.01	2729	NR
SIX0444317	0.65	4.75	0.70	0.01	3120	NR
SIX0444318	0.55	4.00	0.58	<0.01	2818	NR
SIX0444319	0.70	5.10	0.76	0.01	3129	NR
SIX0444320	0.90	6.50	0.96	<0.01	2875	NR
SIX0444321	0.90	6.70	0.98	<0.01	3376	98.4
SIX0444322	0.90	6.50	0.94	<0.01	3127	NR
SIX0444322 Rpt	0.90	6.25	0.92	<0.01	NR	NR
SIX0444323	1.00	7.15	1.08	<0.01	2649	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
SIX0444324	0.95	6.75	0.98	<0.01	2558	NR
SIX0444325	0.85	6.00	0.88	<0.01	2797	NR
SIX0444326	0.90	6.30	0.94	0.01	2624	NR
SIX0444327	0.75	5.25	0.76	<0.01	2663	NR
SIX0444328	0.85	6.45	0.96	0.01	2581	NR
Std Nominal				0.31		
Determined	0.25	1.70	0.26	0.31	NR	NR
SIX0444329	0.95	7.50	1.16	<0.01	3051	NR
SIX0444330	0.75	5.25	0.80	<0.01	2843	NR
SIX0444331	0.65	4.70	0.70	<0.01	2854	NR
SIX0444332	0.55	4.20	0.64	<0.01	2806	NR
SIX0444333	0.80	6.50	1.06	<0.01	2517	NR
SIX0444334	0.70	5.10	0.78	<0.01	2972	NR
SIX0444334Q	0.20	1.50	0.22	<0.01	119	NR
SIX0444335	0.75	5.30	0.80	<0.01	2661	NR
SIX0444336	0.80	5.80	0.88	<0.01	2369	NR
SIX0444337	0.60	4.45	0.68	<0.01	3013	NR
Std Nominal	0.15	1.05	0.16	2.00		
Determined	0.15	1.10	0.16	1.96	NR	NR
SIX0444338	0.75	5.70	0.84	<0.01	2394	NR
SIX0444339	0.65	4.85	0.72	<0.01	2839	NR
SIX0444340	0.80	5.90	0.90	0.01	2525	99.0
SIX0444341	0.85	5.90	0.86	<0.01	2951	NR
SIX0444342	0.90	6.80	1.06	<0.01	2226	NR
SIX0444343	1.15	8.30	1.28	<0.01	2524	NR
SIX0444343 Rpt	1.10	8.30	1.30	<0.01	NR	NR
SIX0444344	1.05	7.85	1.20	<0.01	2461	NR
SIX0444345	0.80	5.95	0.92	<0.01	2327	NR
BLANK 5	<0.05	<0.05	0.02	<0.01	NR	NR
SIX0444346	0.25	1.80	0.28	<0.01	2477	NR
SIX0444347	0.45	3.10	0.46	<0.01	2802	NR
SIX0444348	0.45	3.30	0.50	0.01	2558	NR
SIX0444349	1.05	8.15	1.26	<0.01	2702	NR
SIX0444350	0.70	5.30	0.80	<0.01	2417	NR
Std Nominal	0.25	1.70	0.28			
Determined	0.25	1.80	0.28	1.00	NR	NR
SIX0444351	0.70	5.35	0.88	<0.01	2360	NR
SIX0444352	1.10	8.30	1.32	<0.01	2182	NR
SIX0444353	0.65	4.70	0.72	<0.01	2534	NR
SIX0444354	0.65	4.50	0.68	<0.01	2700	NR
SIX0444355	0.80	5.50	0.84	<0.01	2872	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
SIX0444356	1.05	7.20	1.02	<0.01	2567	NR
SIX0444357	0.80	5.70	0.86	<0.01	2844	NR
SIX0444357 Rpt	0.75	5.45	0.84	<0.01	NR	NR
SIX0444358	0.55	4.20	0.64	<0.01	2795	NR
Std Nominal	0.35	2.50	0.38	0.31		
Determined	0.35	2.40	0.36	0.32	NR	NR



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These results pertain to the samples as received at this laboratory.
Where standards are reported, the nominal value for the element is reported above the result found.

"NR" Implies result is not required for this determination

"%" Implies this result reported in %

Sample Storage

The excess material (Residue) will be held after 30 days
The pulp samples (Pulp) will be held after 60 days as per instructions.

Sample Preparation

Digest and Analysis:

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

Al,Ba,Ca,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,P,S,Sc,Ti,V,Zn,Zr
have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.
Ag,As,Be,Bi,Cd,Ce,Co,Cs,Dy,Er,Eu,Ga,Gd,Hf,Ho,In,La,Lu,Mo,Nb,Nd,Pb,Pr,Rb,Re,Sb,Se,Sm,Sn,Sr,Ta,Tb,Te,Th,Tl,Tm,U,W,Y,Yb
have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.

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

Au
have been determined by Atomic Absorbtion Spectrometry.

% 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.