



Certificate of Analysis

Work Order: TO122405

To: **Gordon Richards**
Gordon Richards
6410 Holly Park Drive
DELTA
BC V4K 4W6

Date: Aug 09, 2012

P.O. No. : Project:SPEC
Project No. : -
No. Of Samples : 67
Date Submitted : Jul 26, 2012
Report Comprises : Pages 1 to 13
(Inclusive of Cover Sheet)

Distribution of unused material:

Discard samples:

Certified By :

Bruce Robertson
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
P192	28	196	60	0.4	5620	<1	110	3	1090	67
P195	47	205	10	0.8	16100	<1	250	7	1510	153
P209	40	154	10	0.4	8620	<1	210	21	597	64
P211	148	91	<10	0.3	27200	<1	370	249	618	86
P212	47	66	<10	0.2	15900	<1	430	68	799	18
P214	<1	44	60	<0.1	4580	<1	110	5	80	249
P219	13	143	10	0.1	2620	<1	30	13	53	66
P222	55	115	20	0.3	10600	<1	190	367	338	154
P223	42	51	<10	0.3	12900	<1	370	78	383	56
P224	64	48	<10	0.4	15200	<1	570	112	417	50
P225	126	16	<10	0.4	15900	<1	810	210	111	72
P228	627	88	<10	0.7	26800	<1	680	147	260	18
P229	285	38	<10	0.8	13200	<1	650	49	24	50
P230	44	253	20	0.2	9730	<1	90	157	98	128
P231	16	172	40	0.4	15600	<1	180	6	1140	120
P232	19	198	40	0.2	6790	<1	100	9	403	79
P233	13	187	30	0.3	7910	<1	110	4	730	78
P234	24	166	40	0.3	10800	<1	140	6	356	40
P235	8	194	30	0.5	11000	<1	80	6	1890	103
P236	23	244	30	0.3	5300	<1	60	11	710	80
P237	18	187	40	0.4	7750	<1	160	4	1250	39
P238	18	106	<10	0.7	18100	<1	330	3	623	61
P239	16	161	20	0.6	15500	<1	330	4	1710	34
P240	3	120	80	0.3	9410	<1	110	1	2320	62
P241	31	133	10	0.5	8240	<1	240	3	785	70
P242	30	177	20	0.3	8990	<1	200	6	787	83
P243	17	214	60	0.4	5500	1	110	2	568	82
P246	27	234	40	0.3	5600	<1	90	4	536	112
P247	12	146	20	0.3	7450	<1	150	3	636	123
P248	13	123	10	0.7	20600	<1	400	5	1250	31
P250	29	234	30	0.3	4610	<1	90	6	412	56
P251	26	270	30	0.3	4680	<1	50	4	599	56
P252	46	85	<10	0.7	16400	<1	480	3	894	15
P253	23	196	30	0.3	6380	<1	150	6	350	54
P254	25	126	<10	0.5	21100	<1	530	4	1480	10
P258	17	134	40	0.5	12800	<1	240	3	1400	61
P259	23	127	10	0.4	7800	<1	260	4	588	26
P260	11	230	40	0.4	7500	<1	90	3	827	65
P261	9	147	30	0.7	11000	<1	220	3	1270	61
P262	13	163	30	0.5	8600	<1	150	3	828	45
P263	31	194	40	0.4	13400	<1	180	2	1180	38
P264	36	197	40	0.5	8500	<1	120	2	826	44
M195	19	232	40	0.3	4970	<1	90	5	1000	77

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Element Method Det.Lim. Units	Ag MMI-M5 1 ppb	Al MMI-M5 1 ppm	As MMI-M5 10 ppb	Au MMI-M5 0.1 ppb	Ba MMI-M5 10 ppb	Bi MMI-M5 1 ppb	Ca MMI-M5 10 ppm	Cd MMI-M5 1 ppb	Ce MMI-M5 5 ppb	Co MMI-M5 5 ppb
M196	28	147	10	0.4	13400	<1	260	3	1450	133
M197	30	174	60	0.2	7290	<1	100	1	2290	274
M198	28	147	20	0.4	6860	<1	180	3	1190	156
M199	13	222	90	0.4	3820	1	90	9	116	208
M200	15	181	60	0.3	6200	<1	130	6	822	117
M201	12	166	40	0.4	5320	<1	120	3	796	163
M202	16	143	20	0.4	7080	<1	180	6	966	45
M203	15	151	40	0.5	8830	<1	140	3	1720	443
M204	13	241	40	0.4	4460	<1	70	4	216	76
M205	64	208	20	0.4	7580	<1	70	5	892	164
M206	22	121	10	0.7	14400	<1	260	6	791	388
M207	61	159	20	0.4	12500	<1	170	9	1980	78
M208	34	187	40	0.7	9790	<1	190	4	891	280
M209	16	140	10	0.5	10700	<1	180	6	2430	158
M210	25	139	20	0.6	8610	<1	160	6	856	174
M211	10	113	10	0.4	10800	<1	180	5	1170	270
M212	27	64	<10	0.5	13000	<1	280	31	242	259
M214	36	60	<10	0.5	17500	<1	480	14	678	29
M216	27	87	<10	0.4	11800	<1	350	14	251	133
M217	38	66	<10	0.5	14500	<1	470	15	561	17
M218	32	99	<10	0.6	16300	<1	440	3	940	73
M219	25	54	<10	0.7	13100	<1	510	5	458	12
M220	25	104	<10	0.4	16300	<1	390	4	1140	68
M221	15	127	<10	0.2	7540	<1	190	3	372	69
*Rep P229	385	36	<10	0.9	12800	<1	770	52	22	39
*Rep P242	33	186	20	0.4	8910	<1	200	7	759	94
*Rep P251	19	264	30	0.3	4090	<1	40	3	465	48
*Rep M195	18	251	40	0.3	5110	<1	90	5	924	74
*Rep M218	43	89	<10	0.7	17600	<1	460	2	1170	31
*Rep M220	27	99	<10	0.4	16300	<1	430	4	1250	34
*Std MMISRM16	21	46	10	27.6	70	<1	220	5	17	61
*Std MMISRM18	31	33	10	9.6	150	<1	200	101	26	89
*Blk BLANK	<1	<1	<10	<0.1	10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
P192	<100	1.3	760	269	138	62.4	94	14	291	1
P195	<100	<0.5	1410	494	288	93.5	33	8	500	<1
P209	<100	1.0	1030	200	109	42.3	66	6	199	1
P211	100	1.1	3860	177	105	41.3	47	3	188	2
P212	<100	<0.5	2200	119	64.2	26.4	46	3	132	<1
P214	<100	<0.5	80	11	7.6	2.6	359	2	12	<1
P219	<100	1.4	930	10	7.7	1.9	259	4	7	<1
P222	<100	4.0	2480	116	77.9	28.2	73	5	137	<1
P223	<100	<0.5	3010	80	45.7	21.3	40	2	103	<1
P224	<100	<0.5	3920	82	44.5	19.0	34	2	99	<1
P225	<100	<0.5	3710	19	10.3	5.9	19	<1	26	<1
P228	<100	1.8	1490	89	56.9	23.1	12	1	107	2
P229	<100	1.8	800	28	14.4	9.2	9	<1	42	<1
P230	<100	1.1	230	23	12.9	4.9	101	10	27	<1
P231	<100	1.2	960	235	116	56.9	82	10	266	<1
P232	<100	1.0	620	98	47.4	21.9	98	13	98	<1
P233	<100	1.4	950	206	105	41.7	64	10	209	<1
P234	<100	1.8	420	70	34.7	15.9	64	9	74	<1
P235	<100	0.5	1040	698	393	141	38	14	724	<1
P236	<100	1.3	630	156	69.7	32.1	85	12	155	<1
P237	<100	0.6	910	297	157	68.4	70	11	330	<1
P238	<100	<0.5	1930	279	165	57.6	25	4	298	2
P239	<100	<0.5	1130	528	296	116	34	9	588	<1
P240	100	1.3	910	268	124	76.6	104	17	350	2
P241	<100	<0.5	1100	227	115	47.5	49	5	241	<1
P242	<100	<0.5	990	251	145	49.7	51	7	239	<1
P243	100	1.4	710	107	51.6	25.8	110	13	117	<1
P246	<100	1.7	810	137	66.2	25.8	97	14	123	<1
P247	<100	1.4	520	226	136	41.7	39	7	215	<1
P248	<100	<0.5	1360	408	249	77.0	23	5	428	2
P250	<100	2.3	570	89	41.1	17.1	85	13	79	<1
P251	<100	2.4	730	118	48.6	25.3	101	12	114	<1
P252	<100	<0.5	1620	286	171	62.8	16	4	306	2
P253	<100	0.8	630	96	51.2	19.2	94	8	92	<1
P254	<100	<0.5	1640	453	264	88.5	18	5	466	5
P258	<100	<0.5	1170	325	176	86.0	71	9	374	1
P259	<100	<0.5	950	165	94.7	37.5	42	4	188	<1
P260	<100	1.6	960	187	90.0	39.2	102	13	191	<1
P261	<100	0.6	1050	317	177	76.0	63	9	353	<1
P262	<100	0.9	820	210	115	46.8	64	9	223	<1
P263	<100	1.5	500	134	57.9	33.0	65	10	151	<1
P264	<100	0.9	1110	199	97.0	41.8	74	11	188	<1
M195	<100	0.9	680	217	105	45.9	65	13	215	<1

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Element Method Det.Lim. Units	Cr MMI-M5 100 ppb	Cs MMI-M5 0.5 ppb	Cu MMI-M5 10 ppb	Dy MMI-M5 1 ppb	Er MMI-M5 0.5 ppb	Eu MMI-M5 0.5 ppb	Fe MMI-M5 1 ppm	Ga MMI-M5 1 ppb	Gd MMI-M5 1 ppb	Hg MMI-M5 1 ppb
M196	<100	<0.5	1210	458	248	98.3	31	8	503	<1
M197	100	0.8	890	344	180	94.0	91	18	419	<1
M198	<100	<0.5	1160	356	205	82.8	41	8	396	<1
M199	200	3.8	620	21	10.6	4.5	253	24	19	<1
M200	<100	1.4	1050	178	93.3	43.6	108	15	202	<1
M201	<100	1.0	1150	215	109	48.5	68	11	232	<1
M202	<100	1.0	1140	264	142	62.8	48	9	295	<1
M203	<100	0.6	1800	360	184	72.8	90	11	346	<1
M204	<100	1.4	540	64	35.5	12.7	75	13	61	<1
M205	<100	1.5	960	222	118	48.6	52	11	218	<1
M206	<100	<0.5	1530	271	159	56.9	41	6	306	<1
M207	<100	4.1	780	474	260	117	33	11	537	<1
M208	<100	1.8	560	127	57.8	25.8	54	9	124	<1
M209	<100	1.0	580	536	289	149	22	11	661	<1
M210	<100	1.0	1090	220	121	47.6	54	7	227	<1
M211	<100	1.8	600	140	65.5	40.2	24	6	173	<1
M212	<100	<0.5	3890	85	51.8	16.1	241	2	84	<1
M214	<100	<0.5	2350	153	82.7	36.9	45	3	188	<1
M216	<100	<0.5	2010	95	52.7	19.5	81	2	97	<1
M217	<100	<0.5	1870	151	83.1	34.0	37	2	170	<1
M218	<100	<0.5	1460	240	122	55.6	21	4	266	<1
M219	<100	<0.5	1990	139	74.5	33.9	23	3	164	1
M220	<100	<0.5	1740	313	176	72.7	29	5	369	<1
M221	<100	1.8	330	49	24.0	12.0	32	5	54	<1
*Rep P229	<100	1.2	880	26	13.3	8.6	9	<1	38	<1
*Rep P242	<100	<0.5	950	247	145	46.8	46	6	235	<1
*Rep P251	<100	2.6	710	75	30.5	16.4	110	13	76	<1
*Rep M195	<100	1.4	710	197	99.4	43.8	81	17	210	<1
*Rep M218	<100	<0.5	1560	288	155	65.9	17	5	326	<1
*Rep M220	<100	<0.5	1640	315	171	71.5	25	5	370	<1
*Std MMISRM16	<100	11.7	780	2	1.2	1.1	3	<1	4	22
*Std MMISRM18	<100	6.7	970	4	1.6	1.3	5	<1	7	9
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Bik BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
P192	<0.5	2.9	421	<5	24	740	6	7.2	879	200
P195	<0.5	5.8	708	<5	57	1370	<5	0.8	1440	1020
P209	<0.5	4.2	245	<5	45	1030	<5	1.8	549	403
P211	<0.5	5.6	148	<5	57	5660	<5	<0.5	422	4600
P212	<0.5	3.4	144	11	71	2960	<5	<0.5	314	3130
P214	<0.5	8.6	33	<5	15	15300	20	2.6	41	682
P219	<0.5	1.6	25	<5	8	210	<5	3.0	27	289
P222	<0.5	4.6	123	<5	23	7780	33	2.5	325	3760
P223	<0.5	2.2	143	<5	63	800	11	0.5	277	1400
P224	<0.5	2.2	112	<5	41	1410	<5	<0.5	240	3180
P225	<0.5	3.7	22	<5	29	1940	23	<0.5	55	2380
P228	<0.5	5.0	87	<5	69	500	<5	<0.5	220	2150
P229	<0.5	4.0	21	<5	10	880	<5	<0.5	78	417
P230	<0.5	71.5	44	<5	45	1750	<5	4.4	77	657
P231	<0.5	7.8	543	<5	28	3190	<5	4.1	856	430
P232	<0.5	10.5	169	<5	22	2290	7	8.0	295	262
P233	<0.5	3.6	316	<5	23	1480	<5	4.6	576	365
P234	<0.5	5.2	181	<5	27	1640	<5	5.1	221	132
P235	<0.5	5.5	813	<5	33	1470	<5	4.0	2210	305
P236	<0.5	5.1	265	<5	19	1090	<5	4.6	506	259
P237	<0.5	3.3	547	<5	32	1220	5	4.1	973	315
P238	<0.5	3.1	335	<5	60	2200	<5	<0.5	667	1680
P239	<0.5	5.7	892	<5	63	1020	<5	0.7	1740	947
P240	<0.5	3.4	1130	<5	17	2590	11	11.0	1430	165
P241	<0.5	2.0	376	<5	63	700	<5	1.2	636	430
P242	<0.5	5.3	342	<5	53	1480	<5	2.5	689	488
P243	<0.5	5.1	260	<5	20	1380	8	6.6	379	179
P246	<0.5	7.3	224	<5	23	1080	6	7.3	383	299
P247	<0.5	4.7	272	<5	34	6260	<5	2.6	556	222
P248	<0.5	5.5	595	<5	73	1120	<5	<0.5	1040	1260
P250	<0.5	7.5	180	<5	24	530	<5	6.3	256	187
P251	<0.5	5.7	238	<5	13	510	<5	5.3	396	189
P252	<0.5	2.6	337	<5	105	480	<5	<0.5	726	1120
P253	<0.5	3.8	146	<5	36	440	<5	3.4	266	364
P254	<0.5	3.6	601	<5	102	600	<5	<0.5	1100	1960
P258	<0.5	4.7	572	<5	39	1290	<5	3.3	1130	641
P259	<0.5	5.0	261	<5	57	190	<5	1.2	489	370
P260	<0.5	5.6	351	<5	20	710	6	8.0	602	241
P261	<0.5	2.9	581	<5	38	880	<5	4.1	1130	442
P262	<0.5	3.1	363	<5	30	560	<5	4.4	662	365
P263	<0.5	4.0	776	<5	30	870	<5	6.0	600	167
P264	<0.5	3.3	368	<5	28	360	<5	5.1	589	247
M195	<0.5	3.7	404	<5	23	1180	<5	6.2	736	175

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Element Method Det.Lim. Units	In MMI-M5 0.5 ppb	K MMI-M5 0.1 ppm	La MMI-M5 1 ppb	Li MMI-M5 5 ppb	Mg MMI-M5 1 ppm	Mn MMI-M5 10 ppb	Mo MMI-M5 5 ppb	Nb MMI-M5 0.5 ppb	Nd MMI-M5 1 ppb	Ni MMI-M5 5 ppb
M196	<0.5	5.6	739	<5	55	2580	<5	1.2	1370	688
M197	<0.5	8.2	920	<5	19	5410	8	10.5	1530	156
M198	<0.5	6.0	525	<5	38	2660	<5	2.2	1090	312
M199	<0.5	10.9	52	9	13	13700	19	13.0	61	165
M200	<0.5	4.3	343	<5	22	4440	9	8.2	667	204
M201	<0.5	5.5	346	<5	23	3770	6	5.6	646	213
M202	<0.5	3.5	437	<5	37	980	<5	2.8	863	425
M203	<0.5	6.4	772	<5	35	9170	<5	5.0	1160	257
M204	<0.5	15.7	100	<5	17	1980	5	7.4	163	172
M205	<0.5	5.5	354	<5	23	2010	<5	6.0	724	151
M206	<0.5	4.5	470	<5	60	10400	<5	1.2	774	529
M207	<0.5	5.6	983	<5	42	600	<5	3.2	1700	171
M208	<0.5	5.4	472	<5	49	5950	<5	6.1	464	186
M209	<0.5	4.5	1210	<5	42	1650	<5	2.0	2190	166
M210	<0.5	5.2	412	<5	46	2810	<5	3.5	685	102
M211	<0.5	6.3	591	<5	43	4840	<5	2.1	697	72
M212	<0.5	2.7	95	<5	98	6250	8	1.2	193	1450
M214	<0.5	1.8	261	7	108	1270	<5	<0.5	494	2290
M216	<0.5	4.0	113	<5	83	4630	<5	<0.5	221	1050
M217	<0.5	2.3	222	<5	122	440	<5	<0.5	441	1960
M218	<0.5	3.5	449	<5	90	2130	<5	<0.5	740	926
M219	<0.5	2.2	172	<5	148	290	<5	<0.5	399	1080
M220	<0.5	3.4	563	<5	82	1940	<5	<0.5	1050	1030
M221	<0.5	4.5	177	<5	41	1600	<5	1.6	188	173
*Rep P229	<0.5	3.4	22	<5	11	740	<5	<0.5	75	459
*Rep P242	<0.5	4.4	325	<5	56	1330	<5	1.5	647	605
*Rep P251	<0.5	5.3	217	<5	11	450	<5	5.6	266	165
*Rep M195	<0.5	4.3	380	<5	23	1090	5	7.8	708	177
*Rep M218	<0.5	3.6	474	<5	98	1000	<5	<0.5	884	1030
*Rep M220	<0.5	3.2	523	<5	89	860	<5	<0.5	994	1110
*Std MMISRM16	<0.5	38.6	4	<5	35	120	51	<0.5	15	231
*Std MMISRM18	<0.5	30.1	7	<5	99	710	39	<0.5	21	580
*Bik BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	1	<5
*Bik BLANK	<0.5	0.1	<1	<5	<1	<10	<5	<0.5	<1	<5

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
P192	1.7	220	<1	173	<1	86	3	275	243	<1
P195	0.3	410	<1	274	<1	15	<1	482	379	<1
P209	0.7	200	<1	101	<1	87	2	235	162	<1
P211	0.4	70	<1	71	<1	91	1	185	143	<1
P212	0.2	160	<1	58	<1	30	2	89	98	<1
P214	1.6	30	<1	9	<1	28	4	41	10	<1
P219	4.2	40	<1	7	<1	59	1	30	7	<1
P222	2.4	90	<1	58	<1	101	3	100	103	<1
P223	0.3	70	<1	51	<1	30	2	53	78	<1
P224	<0.1	70	<1	44	<1	21	2	33	76	<1
P225	<0.1	30	<1	9	<1	10	2	10	19	<1
P228	<0.1	40	<1	37	<1	48	<1	65	75	<1
P229	0.1	10	<1	12	<1	52	<1	13	29	<1
P230	3.2	280	<1	15	<1	80	<1	38	23	<1
P231	1.7	220	<1	182	<1	64	2	217	218	<1
P232	2.6	220	<1	55	<1	67	2	117	80	<1
P233	1.3	270	<1	113	<1	101	1	221	160	<1
P234	1.1	270	<1	46	<1	110	3	99	58	<1
P235	0.6	300	<1	412	<1	42	2	576	596	<1
P236	3.0	290	<1	104	<1	147	1	153	119	<1
P237	1.4	260	<1	205	<1	65	3	297	278	<1
P238	0.1	150	<1	121	<1	32	1	196	216	<1
P239	0.3	190	<1	335	<1	27	<1	470	473	<1
P240	2.6	180	<1	328	<1	72	5	272	324	<1
P241	0.4	220	<1	123	<1	50	1	252	184	<1
P242	0.8	300	<1	124	<1	52	2	286	189	<1
P243	2.6	240	<1	82	<1	126	4	177	98	<1
P246	2.5	290	<1	77	<1	95	2	194	96	<1
P247	0.8	280	<1	104	<1	78	1	316	157	<1
P248	0.1	200	<1	207	<1	10	<1	325	304	<1
P250	2.0	260	<1	54	<1	100	2	142	65	<1
P251	2.8	210	<1	85	<1	103	2	127	98	<1
P252	<0.1	110	<1	127	<1	9	<1	143	231	<1
P253	1.5	210	<1	52	<1	79	2	135	72	<1
P254	<0.1	190	<1	213	<1	<5	<1	327	342	<1
P258	0.9	140	<1	233	<1	32	3	289	330	<1
P259	0.5	130	<1	97	<1	40	1	183	143	<1
P260	1.7	180	<1	125	<1	80	3	190	154	<1
P261	0.9	170	<1	212	<1	63	2	327	307	<1
P262	1.0	180	<1	129	<1	70	2	230	179	<1
P263	1.2	220	<1	140	<1	103	3	163	125	<1
P264	1.3	230	<1	119	<1	61	2	196	153	<1
M195	1.3	340	<1	152	<1	88	2	228	181	<1

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Element Method Det.Lim. Units	P MMI-M5 0.1 ppm	Pb MMI-M5 10 ppb	Pd MMI-M5 1 ppb	Pr MMI-M5 1 ppb	Pt MMI-M5 1 ppb	Rb MMI-M5 5 ppb	Sb MMI-M5 1 ppb	Sc MMI-M5 5 ppb	Sm MMI-M5 1 ppb	Sn MMI-M5 1 ppb
M196	0.3	320	<1	262	<1	43	<1	421	402	<1
M197	1.2	360	<1	335	<1	78	4	409	396	1
M198	0.5	270	<1	212	<1	52	1	412	318	<1
M199	9.2	250	<1	14	<1	196	4	79	17	2
M200	2.8	260	<1	131	<1	102	3	202	174	<1
M201	1.8	310	<1	125	<1	99	2	243	186	<1
M202	0.9	240	<1	171	<1	85	1	225	244	<1
M203	0.9	290	<1	249	<1	56	2	398	282	<1
M204	2.0	350	<1	31	<1	72	2	141	47	<1
M205	0.7	390	<1	146	<1	91	<1	299	178	<1
M206	0.2	220	<1	155	<1	45	1	312	228	<1
M207	0.3	350	<1	353	<1	63	1	486	468	<1
M208	0.7	370	<1	109	<1	106	3	235	102	<1
M209	0.2	300	<1	440	<1	85	<1	498	581	<1
M210	0.3	330	<1	138	<1	57	1	305	181	<1
M211	0.2	250	<1	163	<1	122	1	207	156	<1
M212	0.6	80	<1	37	<1	31	2	175	59	<1
M214	0.1	70	<1	96	<1	22	1	111	143	<1
M216	0.2	90	<1	43	<1	21	1	111	71	<1
M217	<0.1	80	<1	83	<1	21	1	101	136	<1
M218	<0.1	130	<1	146	<1	20	<1	215	206	<1
M219	<0.1	60	<1	70	<1	16	1	62	124	<1
M220	<0.1	100	<1	198	<1	20	<1	228	289	<1
M221	0.7	260	<1	40	<1	144	<1	84	44	<1
*Rep P229	<0.1	<10	<1	12	<1	39	<1	13	27	<1
*Rep P242	0.6	300	<1	127	<1	52	<1	248	177	<1
*Rep P251	3.5	190	<1	58	<1	99	2	109	63	<1
*Rep M195	1.8	350	<1	139	<1	96	2	226	173	<1
*Rep M218	<0.1	120	<1	170	<1	14	<1	214	254	<1
*Rep M220	<0.1	100	<1	185	<1	19	1	224	284	<1
*Std MMISRM16	0.3	110	26	3	<1	316	<1	13	5	<1
*Std MMISRM18	0.7	340	16	4	8	169	<1	8	6	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Bik BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
P192	780	<1	44	<10	63.1	2400	0.8	59	2	1480
P195	2020	<1	83	<10	68.9	174	<0.5	95	1	3240
P209	1380	<1	31	<10	45.6	496	0.5	49	<1	1180
P211	1880	<1	28	<10	30.4	87	1.8	142	<1	1120
P212	1970	<1	19	<10	23.2	17	<0.5	60	<1	717
P214	750	<1	2	<10	15.3	281	<0.5	24	<1	68
P219	240	<1	1	<10	17.0	374	0.7	36	<1	52
P222	760	<1	19	<10	26.6	600	1.4	176	1	743
P223	1170	<1	14	<10	24.8	77	<0.5	90	<1	546
P224	1400	<1	14	<10	29.5	4	<0.5	82	<1	510
P225	1280	<1	4	<10	12.8	<3	<0.5	73	<1	126
P228	2150	<1	15	<10	7.6	4	0.9	51	<1	694
P229	1130	<1	5	<10	8.4	3	0.6	21	<1	170
P230	630	<1	4	<10	30.9	911	<0.5	18	<1	150
P231	880	<1	39	<10	80.4	1370	<0.5	80	2	1290
P232	610	<1	16	<10	57.8	2090	<0.5	41	1	534
P233	770	<1	32	<10	62.7	1380	0.5	61	1	1150
P234	890	<1	11	<10	52.4	1990	<0.5	32	1	391
P235	980	<1	114	<10	44.9	1140	<0.5	197	2	4460
P236	550	<1	26	<10	39.5	1220	0.5	46	<1	840
P237	950	<1	48	<10	82.3	1430	<0.5	55	2	1750
P238	2390	<1	45	<10	25.2	42	<0.5	182	<1	1850
P239	2470	<1	89	<10	57.0	233	<0.5	85	1	3550
P240	570	<1	48	<10	102	3100	0.6	85	3	1500
P241	1520	<1	36	<10	65.5	338	<0.5	73	<1	1330
P242	1440	<1	39	<10	56.9	790	<0.5	52	<1	1610
P243	680	<1	19	<10	82.3	2160	<0.5	39	2	594
P246	690	<1	22	<10	62.4	2010	0.6	51	1	762
P247	1120	<1	35	<10	38.4	820	0.6	54	<1	1410
P248	2800	<1	62	<10	34.9	16	<0.5	128	<1	2850
P250	740	<1	14	<10	45.2	1810	0.8	34	1	464
P251	420	<1	20	<10	52.7	1430	0.6	41	<1	605
P252	3330	<1	46	<10	18.2	10	<0.5	81	<1	1880
P253	940	<1	15	<10	48.1	1030	<0.5	33	<1	560
P254	3800	<1	71	<10	38.9	6	<0.5	106	<1	3060
P258	1340	<1	56	<10	61.8	945	<0.5	95	1	1980
P259	1430	<1	29	<10	52.1	343	<0.5	63	<1	997
P260	700	<1	30	<10	80.8	2390	0.6	82	2	1060
P261	1370	<1	55	<10	76.8	1330	<0.5	89	2	1910
P262	1010	<1	35	<10	69.2	1280	<0.5	58	1	1290
P263	1160	<1	24	<10	66.1	2130	0.6	53	2	791
P264	890	<1	32	<10	86.7	1770	<0.5	89	1	1090
M195	740	<1	35	<10	48.8	1900	0.5	43	2	1260

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Element Method Det.Lim. Units	Sr MMI-M5 10 ppb	Ta MMI-M5 1 ppb	Tb MMI-M5 1 ppb	Te MMI-M5 10 ppb	Th MMI-M5 0.5 ppb	Ti MMI-M5 3 ppb	Tl MMI-M5 0.5 ppb	U MMI-M5 1 ppb	W MMI-M5 1 ppb	Y MMI-M5 5 ppb
M196	1820	<1	76	<10	63.2	413	<0.5	103	1	2790
M197	520	<1	61	<10	87.9	3910	<0.5	65	3	1950
M198	1060	<1	61	<10	85.8	757	<0.5	87	<1	2120
M199	390	<1	3	<10	84.0	4150	0.7	29	2	98
M200	630	<1	30	<10	73.9	2750	0.6	57	2	984
M201	580	<1	36	<10	70.4	1730	<0.5	61	1	1140
M202	950	<1	45	<10	75.2	957	0.6	70	<1	1680
M203	960	<1	58	<10	81.3	1640	<0.5	91	2	2280
M204	460	<1	10	<10	62.9	2440	<0.5	43	1	354
M205	630	<1	35	<10	32.4	1520	0.7	75	<1	1380
M206	1740	<1	46	<10	46.3	388	<0.5	55	<1	1840
M207	1020	<1	80	<10	53.0	1130	0.7	70	1	2690
M208	1190	<1	21	<10	59.7	2600	0.6	56	1	848
M209	1080	<1	90	<10	41.5	700	<0.5	133	1	3280
M210	1100	<1	36	<10	37.6	1160	0.5	80	<1	1410
M211	1020	<1	25	<10	40.2	748	0.8	59	<1	808
M212	2090	<1	13	<10	27.5	116	<0.5	87	<1	535
M214	2630	<1	26	<10	25.8	17	<0.5	114	<1	961
M216	2090	<1	15	<10	15.7	25	<0.5	56	<1	598
M217	2660	<1	24	<10	19.1	30	<0.5	72	<1	953
M218	2780	<1	38	<10	38.1	13	<0.5	78	<1	1560
M219	3160	<1	23	<10	26.9	6	<0.5	51	<1	813
M220	2590	<1	53	<10	37.8	42	<0.5	69	<1	2000
M221	1200	<1	8	<10	33.4	519	<0.5	16	<1	289
*Rep P229	1330	<1	5	<10	7.5	13	<0.5	22	<1	173
*Rep P242	1520	<1	39	<10	51.1	478	<0.5	47	<1	1560
*Rep P251	360	<1	13	<10	57.7	1400	0.6	40	<1	374
*Rep M195	700	<1	34	<10	51.9	2670	0.8	44	2	1130
*Rep M218	3120	<1	48	<10	31.5	8	<0.5	101	<1	1830
*Rep M220	2750	<1	51	<10	34.9	23	<0.5	70	<1	2010
*Std MMISRM16	470	<1	<1	<10	21.7	7	<0.5	49	<1	11
*Std MMISRM18	1130	<1	<1	<10	24.4	10	<0.5	30	<1	25
*Bik BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Bik BLANK	<10	<1	<1	<10	<0.5	4	<0.5	<1	<1	<5

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Element Method Det.Lim. Units	Yb MMI-M5 1 ppb	Zn MMI-M5 20 ppb	Zr MMI-M5 5 ppb
P192	99	40	141
P195	216	60	85
P209	79	240	103
P211	78	1960	125
P212	50	650	77
P214	7	50	67
P219	6	370	49
P222	65	5140	148
P223	34	860	57
P224	34	1300	64
P225	8	660	16
P228	45	1240	38
P229	9	140	18
P230	10	440	58
P231	79	80	159
P232	35	120	121
P233	72	50	90
P234	24	60	121
P235	274	40	109
P236	45	50	78
P237	113	60	119
P238	129	60	89
P239	215	60	107
P240	79	80	258
P241	80	40	75
P242	118	70	95
P243	32	60	221
P246	45	70	170
P247	106	30	82
P248	193	60	83
P250	28	60	129
P251	27	70	141
P252	127	50	49
P253	36	50	105
P254	206	80	77
P258	137	50	142
P259	69	30	76
P260	64	70	182
P261	133	40	135
P262	82	30	111
P263	33	40	171
P264	65	40	149
M195	73	60	92

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Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
M196	198	40	82
M197	136	80	183
M198	159	60	68
M199	8	320	237
M200	66	70	157
M201	77	60	108
M202	110	60	77
M203	117	60	138
M204	25	60	160
M205	85	50	102
M206	122	50	71
M207	188	40	112
M208	32	50	161
M209	233	40	70
M210	86	30	99
M211	40	30	126
M212	40	460	120
M214	67	300	89
M216	41	210	61
M217	64	220	61
M218	88	60	79
M219	56	160	41
M220	138	200	75
M221	16	30	76
*Rep P229	9	140	15
*Rep P242	107	80	71
*Rep P251	18	60	169
*Rep M195	69	80	113
*Rep M218	111	60	73
*Rep M220	138	210	69
*Std MMISRM16	<1	370	16
*Std MMISRM18	1	800	31
*BIK BLANK	<1	<20	<5
*BIK BLANK	<1	<20	<5

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