



## Certificate of Analysis

Work Order: VC122378

To: **Kendra Johnston**  
**INDEPENDENCE GOLD CORP.**  
1410-650 WEST GEORGIA STREET  
VACOUVER BC V6B 4N8


Date: Oct 05, 2012

P.O. No. : PO# AS-90403-05-YK028  
Project No. : -  
No. Of Samples : 123  
Date Submitted : Aug 31, 2012  
Report Comprises : Pages 1 to 13  
(Inclusive of Cover Sheet)

### Distribution of unused material:

Active files - upstairs:

Certified By :



Satpaul Gill  
QAQC Chemist

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

#### 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	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Ag ICP14B 2 ppm	Al ICP14B 0.01 %	As ICP14B 3 ppm	Be ICP14B 0.5 ppm	Ca ICP14B 0.01 %	Ba ICP14B 5 ppm	Bi ICP14B 5 ppm	Cd ICP14B 1 ppm
L839551	0.225	<5	<2	1.18	8	<0.5	0.30	132	<5	<1
L839552	0.210	<5	<2	1.07	12	<0.5	0.34	199	<5	<1
L839553	0.375	<5	<2	1.62	11	<0.5	0.13	128	<5	<1
L839554	0.235	<5	<2	1.00	6	<0.5	0.17	118	<5	<1
L839555	0.255	<5	<2	1.12	10	<0.5	0.19	96	<5	<1
L839556	0.370	<5	<2	1.39	8	<0.5	0.37	169	5	<1
L839557	0.270	<5	<2	0.96	7	<0.5	1.10	191	<5	<1
L839558	0.165	<5	<2	0.94	10	<0.5	0.18	136	6	<1
L839559	0.250	<5	<2	1.23	8	<0.5	0.22	242	<5	<1
L839560	0.275	<5	<2	0.96	10	<0.5	0.21	178	<5	<1
L839561	0.210	<5	<2	1.11	9	<0.5	0.16	186	<5	<1
L839562	0.215	<5	<2	0.99	7	<0.5	0.35	203	<5	<1
L839563	0.105	<5	<2	0.62	<3	<0.5	3.28	506	<5	<1
L839564	0.260	8	<2	1.38	11	<0.5	1.03	215	5	<1
L839565	0.495	<5	<2	1.18	10	<0.5	0.54	149	<5	<1
L839566	0.235	<5	<2	1.06	9	<0.5	0.33	314	<5	<1
L839567	0.180	<5	<2	1.04	11	<0.5	0.20	307	<5	<1
L839568	0.145	<5	<2	1.01	7	<0.5	0.21	555	<5	<1
L839569	0.210	<5	<2	1.24	9	<0.5	0.22	333	<5	<1
L839570	0.175	<5	<2	1.01	5	<0.5	0.15	295	<5	<1
L839571	0.190	<5	<2	1.06	10	<0.5	0.16	330	<5	<1
L839572	0.185	<5	<2	1.21	9	<0.5	0.16	122	<5	<1
L839573	0.235	<5	<2	1.26	5	<0.5	0.27	206	<5	<1
L839574	0.190	<5	<2	0.88	12	<0.5	0.31	244	<5	<1
L839575	0.155	<5	<2	1.01	14	<0.5	0.24	344	<5	<1
L839601	0.415	<5	<2	1.29	5	<0.5	0.33	147	<5	<1
L839602	0.430	<5	<2	1.15	8	<0.5	0.45	326	<5	<1
L839603	0.455	<5	<2	1.35	5	<0.5	0.39	201	<5	<1
L839604	0.510	34	<2	1.10	9	<0.5	0.46	213	<5	<1
L839605	0.315	5	<2	1.14	7	<0.5	0.52	238	<5	<1
L839606	0.310	<5	<2	1.67	10	<0.5	0.10	132	6	<1
L839607	0.250	<5	<2	1.07	7	<0.5	0.24	103	<5	<1
L839608	0.270	<5	<2	1.32	11	<0.5	0.18	157	<5	<1
L839609	0.350	<5	<2	1.82	7	<0.5	0.32	194	<5	<1
L839610	0.260	<5	<2	1.28	5	<0.5	0.21	415	<5	<1
L839611	0.245	<5	<2	1.19	5	<0.5	0.12	218	<5	<1
L839612	0.330	<5	<2	1.39	7	<0.5	0.34	224	<5	<1
L839613	0.100	<5	<2	0.28	<3	<0.5	4.03	256	9	<1
L839614	0.275	<5	<2	1.38	<3	<0.5	0.23	253	9	<1
L839615	0.280	<5	<2	1.34	5	<0.5	0.30	365	7	<1
L839616	0.425	<5	<2	1.81	34	<0.5	0.28	317	<5	<1
L839617	0.270	<5	<2	1.18	11	<0.5	0.15	204	<5	<1
L839618	0.285	<5	<2	1.41	12	<0.5	0.18	191	<5	<1

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Ag ICP14B 2 ppm	Al ICP14B 0.01 %	As ICP14B 3 ppm	Be ICP14B 0.5 ppm	Ca ICP14B 0.01 %	Ba ICP14B 5 ppm	Bi ICP14B 5 ppm	Cd ICP14B 1 ppm
L839619	0.315	<5	<2	1.35	14	<0.5	0.14	165	<5	<1
L839620	0.275	<5	<2	1.60	10	<0.5	0.11	104	<5	<1
L839621	0.285	<5	<2	1.69	9	<0.5	0.11	271	5	<1
L839622	0.230	<5	<2	0.85	35	<0.5	0.15	150	10	<1
L839623	0.235	<5	<2	1.04	10	<0.5	0.12	371	<5	<1
L839624	0.300	<5	<2	0.61	10	<0.5	0.14	226	<5	<1
L839625	0.265	<5	<2	1.84	13	<0.5	0.41	333	<5	<1
L839651	0.265	5	<2	1.21	6	<0.5	0.42	233	<5	<1
L839652	0.380	<5	<2	1.25	4	<0.5	0.35	257	<5	<1
L839653	0.405	7	<2	0.91	6	<0.5	0.34	186	<5	<1
L839654	0.385	6	<2	1.23	7	<0.5	0.14	169	5	<1
L839655	0.310	5	<2	1.66	6	<0.5	0.18	121	7	<1
L839657	0.270	<5	<2	1.51	9	<0.5	0.36	163	6	<1
L839658	0.245	<5	<2	1.43	3	<0.5	0.29	169	6	<1
L839659	0.280	<5	<2	1.33	6	<0.5	0.22	162	<5	<1
L839660	0.370	26	<2	1.94	7	<0.5	0.23	126	<5	<1
L839661	0.285	<5	<2	1.23	5	<0.5	0.30	139	<5	<1
L839662	0.400	16	<2	1.65	5	<0.5	0.60	237	6	<1
L839663	0.395	<5	<2	1.32	6	<0.5	0.31	154	6	<1
L839664	0.385	11	<2	1.14	<3	<0.5	0.43	286	<5	<1
L839665	0.270	<5	<2	1.84	14	<0.5	0.23	144	<5	<1
L839667	0.235	5	<2	1.48	15	<0.5	0.25	138	<5	<1
L839668	0.300	<5	<2	1.42	10	<0.5	0.58	126	<5	<1
L839669	0.255	<5	<2	1.43	17	<0.5	0.21	149	<5	<1
L839670	0.295	<5	<2	1.53	11	<0.5	0.39	201	<5	<1
L839671	0.290	27	<2	1.81	14	<0.5	0.20	339	<5	<1
L839672	0.225	5	<2	2.15	16	<0.5	0.16	188	<5	<1
L839673	0.205	<5	<2	1.74	16	<0.5	0.19	272	<5	<1
L839674	0.380	7	<2	0.95	68	<0.5	0.14	236	<5	<1
L839675	0.235	7	<2	1.74	22	<0.5	0.12	245	<5	<1
L839701	0.240	10	<2	0.92	8	<0.5	0.56	183	<5	<1
L839702	0.390	6	<2	1.20	14	<0.5	0.34	247	<5	<1
L839703	0.370	5	<2	1.26	15	<0.5	0.21	96	<5	<1
L839704	0.330	5	<2	1.42	16	<0.5	0.21	98	<5	<1
L839705	0.300	6	<2	1.79	16	<0.5	0.14	234	<5	<1
L839706	0.400	<5	<2	1.87	7	<0.5	0.96	107	<5	<1
L839707	0.365	<5	<2	1.29	9	<0.5	0.42	282	<5	<1
L839708	0.270	<5	<2	1.60	12	<0.5	0.15	147	<5	<1
L839709	0.250	<5	<2	1.20	10	<0.5	0.19	136	<5	<1
L839710	0.385	5	<2	1.73	15	<0.5	0.21	191	<5	<1
L839711	0.360	<5	<2	1.56	13	<0.5	0.32	209	<5	<1
L839712	0.325	6	<2	1.28	12	<0.5	0.21	152	<5	<1
L839713	0.290	<5	<2	1.79	13	<0.5	0.12	171	<5	<1

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L839714	0.375	<5	<2	1.95	13	<0.5	0.35	231	<5	<1
L839715	0.330	12	<2	1.39	16	<0.5	0.79	158	<5	<1
L839716	0.385	8	<2	1.53	10	<0.5	0.41	163	<5	<1
L839717	0.315	<5	<2	1.78	9	<0.5	0.33	200	<5	<1
L839718	0.365	5	<2	1.43	12	<0.5	0.25	140	<5	<1
L839719	0.415	16	<2	1.14	8	<0.5	0.62	259	<5	<1
L839720	0.300	<5	<2	1.29	13	<0.5	0.20	179	<5	<1
L839721	0.310	<5	<2	1.78	8	<0.5	0.33	361	<5	1
L839722	0.290	5	<2	1.18	17	<0.5	0.17	210	<5	<1
L839723	0.330	6	<2	1.66	15	<0.5	0.72	513	<5	<1
L839724	0.255	<5	<2	1.69	14	<0.5	0.21	410	<5	<1
L839725	0.300	6	<2	2.06	17	<0.5	0.14	260	<5	<1
L839751	0.310	5	<2	1.39	8	<0.5	0.54	282	<5	<1
L839752	0.295	58	<2	1.14	10	<0.5	0.69	280	<5	<1
L839753	0.445	11	<2	1.28	10	<0.5	0.47	256	<5	<1
L839754	0.425	5	<2	1.51	9	0.6	0.68	126	<5	<1
L839755	0.380	<5	<2	2.61	12	<0.5	0.35	133	<5	<1
L839756	0.365	<5	<2	1.97	13	<0.5	0.28	190	<5	<1
L839757	0.280	6	<2	1.61	10	<0.5	0.27	183	<5	<1
L839758	0.350	<5	<2	2.70	12	<0.5	0.40	227	<5	<1
L839759	0.410	<5	<2	2.74	8	<0.5	0.16	284	<5	<1
L839760	0.330	<5	<2	2.89	8	<0.5	0.21	310	<5	<1
L839761	0.355	5	<2	1.83	12	<0.5	0.17	121	<5	<1
L839762	0.355	6	<2	1.39	12	<0.5	0.27	150	<5	<1
L839763	0.475	<5	<2	1.52	10	0.6	0.46	131	<5	<1
L839764	0.405	6	<2	1.56	13	0.6	0.26	133	<5	<1
L839765	0.275	7	<2	1.58	15	<0.5	0.15	273	<5	<1
L839766	0.445	<5	<2	2.26	14	<0.5	0.55	675	<5	<1
L839767	0.430	<5	<2	1.84	12	<0.5	0.36	240	<5	<1
L839768	0.315	6	<2	1.46	15	<0.5	0.31	326	<5	<1
L839769	0.425	6	<2	1.47	6	<0.5	0.60	165	<5	<1
L839770	0.325	7	<2	1.84	16	<0.5	0.17	362	<5	<1
L839771	0.410	5	<2	2.08	5	<0.5	0.53	229	<5	<1
L839772	0.275	<5	<2	1.19	15	<0.5	0.28	459	<5	<1
L839773	0.440	<5	<2	3.15	53	<0.5	0.83	583	<5	<1
L839774	0.580	<5	<2	0.63	33	<0.5	0.07	134	<5	<1
L839775	0.310	<5	<2	1.31	15	<0.5	0.22	314	<5	<1

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Element Method Det.Lim. Units	Co ICP14B 1 ppm	Cr ICP14B 1 ppm	Cu ICP14B 0.5 ppm	Fe ICP14B 0.01 %	Hg ICP14B 1 ppm	K ICP14B 0.01 %	La ICP14B 0.5 ppm	Li ICP14B 1 ppm	Mg ICP14B 0.01 %	Mn ICP14B 2 ppm
L839551	6	22	14.3	2.23	<1	0.05	11.8	12	0.45	256
L839552	7	25	19.4	2.22	<1	0.04	16.3	10	0.42	211
L839553	8	26	13.2	3.22	<1	0.04	11.0	24	0.42	272
L839554	4	10	4.8	1.86	1	0.08	8.5	7	0.38	202
L839555	4	19	7.0	2.14	2	0.04	10.8	12	0.36	156
L839556	7	18	8.4	2.72	<1	0.07	18.5	15	0.58	425
L839557	6	13	17.5	1.79	<1	0.09	36.3	12	0.43	454
L839558	5	20	7.6	2.02	<1	0.11	6.4	8	0.41	360
L839559	8	27	8.0	2.52	<1	0.10	9.1	10	0.43	937
L839560	8	21	8.6	2.23	<1	0.10	8.8	9	0.40	711
L839561	8	24	10.2	2.33	2	0.08	9.2	9	0.42	422
L839562	9	25	10.3	2.39	<1	0.19	6.4	8	0.45	716
L839563	7	13	46.1	1.19	2	0.08	12.3	5	0.31	1500
L839564	14	47	39.6	2.85	<1	0.04	8.4	15	0.93	437
L839565	7	29	23.3	2.44	<1	0.04	13.7	10	0.48	230
L839566	7	21	7.5	2.29	2	0.09	7.3	8	0.36	604
L839567	8	22	7.0	2.26	<1	0.11	8.9	8	0.38	883
L839568	8	20	8.7	2.19	1	0.07	8.9	6	0.34	1310
L839569	9	23	8.4	2.46	<1	0.08	9.6	9	0.39	945
L839570	7	19	7.6	2.14	<1	0.06	8.4	6	0.31	784
L839571	4	19	18.2	2.20	<1	0.05	10.6	7	0.31	426
L839572	7	26	22.8	2.83	<1	0.09	7.2	11	0.45	221
L839573	23	33	62.1	3.89	<1	0.10	6.2	9	0.43	1590
L839574	6	26	25.0	2.06	<1	0.08	8.0	7	0.38	519
L839575	10	30	25.1	2.15	<1	0.08	13.5	4	0.26	467
L839601	9	31	28.0	2.66	<1	0.10	10.2	12	0.55	433
L839602	8	26	23.4	2.31	<1	0.04	14.8	12	0.40	241
L839603	10	35	35.1	2.75	1	0.20	16.1	12	0.76	475
L839604	7	35	33.5	2.59	<1	0.08	15.4	8	0.51	288
L839605	7	22	23.2	2.24	<1	0.05	21.5	10	0.37	221
L839606	8	32	12.9	2.83	<1	0.06	10.4	11	0.40	268
L839607	5	23	13.7	2.21	<1	0.11	9.0	9	0.43	339
L839608	8	27	12.0	2.57	<1	0.11	8.5	11	0.47	421
L839609	11	37	24.0	3.54	2	0.55	9.2	17	0.91	581
L839610	12	27	13.3	2.59	2	0.13	10.8	7	0.38	2070
L839611	13	21	20.2	2.71	<1	0.17	8.2	8	0.42	632
L839612	8	27	28.6	2.54	1	0.11	11.4	13	0.51	273
L839613	2	6	15.9	0.52	3	0.04	4.2	2	0.13	845
L839614	6	21	5.9	2.48	<1	0.14	8.7	9	0.44	364
L839615	8	21	7.0	2.44	2	0.06	8.9	8	0.37	913
L839616	9	14	6.8	3.57	<1	0.13	7.5	17	0.69	479
L839617	7	21	9.1	2.29	2	0.05	9.1	7	0.31	523
L839618	6	25	13.1	2.65	1	0.04	8.3	10	0.37	265

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Element Method Det.Lim. Units	Co ICP14B 1 ppm	Cr ICP14B 1 ppm	Cu ICP14B 0.5 ppm	Fe ICP14B 0.01 %	Hg ICP14B 1 ppm	K ICP14B 0.01 %	La ICP14B 0.5 ppm	Li ICP14B 1 ppm	Mg ICP14B 0.01 %	Mn ICP14B 2 ppm
L839619	5	25	10.3	2.71	<1	0.03	10.2	11	0.34	204
L839620	6	29	12.5	3.15	<1	0.04	9.1	16	0.41	162
L839621	7	30	19.3	3.03	<1	0.04	12.5	14	0.40	257
L839622	4	21	14.9	2.41	2	0.09	12.0	7	0.32	175
L839623	9	21	17.2	2.14	2	0.04	10.0	6	0.31	1180
L839624	2	13	10.9	1.53	3	0.05	8.0	3	0.18	102
L839625	12	28	51.3	3.51	<1	0.11	13.3	11	0.58	1340
L839651	7	25	23.6	2.29	1	0.04	14.7	9	0.42	300
L839652	8	29	22.8	2.29	3	0.03	13.7	10	0.43	345
L839653	8	39	41.6	2.19	<1	0.11	11.3	6	0.51	384
L839654	5	28	18.3	2.26	1	0.03	14.5	9	0.35	164
L839655	5	24	10.3	2.82	<1	0.07	11.6	18	0.48	228
L839657	8	22	19.7	2.92	<1	0.05	13.5	19	0.49	360
L839658	7	22	11.8	2.61	<1	0.07	12.3	17	0.47	290
L839659	7	26	16.1	2.39	<1	0.04	20.3	15	0.42	252
L839660	11	26	11.8	3.05	2	0.10	10.3	21	0.56	389
L839661	5	15	6.3	2.49	<1	0.08	10.1	15	0.50	288
L839662	11	18	15.1	3.44	<1	0.40	34.8	24	0.85	699
L839663	6	20	16.3	2.55	2	0.05	14.2	14	0.50	303
L839664	6	19	14.5	2.12	<1	0.06	19.2	12	0.40	236
L839665	9	32	9.7	4.12	<1	0.08	8.5	17	0.47	471
L839667	5	26	10.9	2.41	<1	0.05	10.3	13	0.42	143
L839668	10	40	26.3	3.06	<1	0.30	10.3	17	0.74	291
L839669	7	33	11.9	2.80	<1	0.13	10.2	11	0.52	267
L839670	7	36	14.8	2.87	<1	0.15	13.0	15	0.68	314
L839671	9	35	27.6	2.81	<1	0.03	15.2	11	0.49	270
L839672	12	33	35.5	3.19	<1	0.05	12.4	13	0.49	263
L839673	9	31	24.8	3.12	<1	0.05	8.7	12	0.48	261
L839674	12	81	55.5	5.45	<1	0.09	27.8	6	0.23	417
L839675	8	32	20.6	3.06	<1	0.05	10.6	14	0.45	197
L839701	6	24	15.6	1.81	<1	0.04	10.2	7	0.39	427
L839702	6	25	21.9	2.22	2	0.03	13.7	10	0.42	231
L839703	12	33	25.9	3.19	<1	0.08	7.9	9	0.53	701
L839704	8	47	37.8	3.36	<1	0.06	7.8	10	0.56	316
L839705	8	34	14.8	2.87	<1	0.03	10.4	10	0.46	223
L839706	9	9	3.9	3.82	<1	0.32	13.4	21	0.97	667
L839707	7	23	26.5	2.64	1	0.04	18.1	8	0.37	478
L839708	13	26	40.0	2.95	<1	0.11	10.9	12	0.49	299
L839709	5	24	23.1	2.37	<1	0.08	8.9	10	0.36	185
L839710	10	31	18.5	2.87	<1	0.05	11.1	13	0.53	267
L839711	8	27	23.7	2.77	<1	0.06	16.6	15	0.53	277
L839712	5	22	9.7	2.29	<1	0.05	12.7	12	0.37	182
L839713	8	32	11.1	3.06	<1	0.07	11.3	13	0.45	337

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L839714	10	21	9.4	3.75	<1	0.35	8.6	24	0.80	846
L839715	7	34	30.5	2.55	<1	0.06	20.6	15	0.51	207
L839716	6	16	7.5	2.73	<1	0.06	9.6	16	0.61	398
L839717	6	17	6.7	3.10	<1	0.13	10.8	17	0.69	516
L839718	7	21	7.2	2.58	<1	0.07	9.7	14	0.47	254
L839719	7	10	8.5	2.87	<1	0.23	14.1	7	0.46	512
L839720	6	26	11.2	2.67	1	0.08	10.6	9	0.38	270
L839721	10	37	12.9	3.26	<1	0.38	8.6	16	0.80	1620
L839722	9	29	18.8	2.79	1	0.07	10.6	5	0.45	901
L839723	14	46	83.2	3.34	<1	0.06	13.0	12	0.75	480
L839724	8	30	16.5	2.90	1	0.04	12.9	11	0.44	221
L839725	7	35	29.4	3.12	<1	0.05	12.2	13	0.45	205
L839751	9	32	23.8	2.96	<1	0.06	14.3	11	0.55	382
L839752	9	27	22.1	2.29	1	0.04	15.1	9	0.43	529
L839753	7	35	29.9	2.51	<1	0.04	15.2	10	0.48	191
L839754	8	19	12.8	2.92	<1	0.09	19.9	13	0.51	355
L839755	11	19	9.4	4.25	<1	0.11	10.3	24	0.97	762
L839756	9	30	12.3	3.32	<1	0.11	8.5	15	0.64	323
L839757	6	57	92.2	3.22	<1	0.13	9.3	13	0.86	182
L839758	15	55	73.9	4.76	<1	0.72	9.5	18	1.28	504
L839759	9	48	182	4.26	<1	0.31	8.5	14	1.19	201
L839760	13	48	157	4.79	<1	0.80	7.7	20	1.13	399
L839761	7	32	11.1	3.14	<1	0.09	11.1	13	0.50	282
L839762	8	29	20.8	2.69	<1	0.07	11.3	13	0.48	223
L839763	8	9	7.2	3.80	<1	0.40	12.2	12	0.49	507
L839764	11	14	10.5	2.92	<1	0.19	11.9	12	0.51	381
L839765	8	36	24.4	2.71	<1	0.04	21.1	11	0.43	222
L839766	10	15	10.7	3.77	<1	0.30	28.7	13	0.80	467
L839767	8	22	14.0	3.21	<1	0.11	26.3	14	0.76	455
L839768	9	31	19.9	2.74	<1	0.05	13.5	10	0.45	337
L839769	6	13	5.9	2.74	<1	0.10	16.5	13	0.63	477
L839770	6	37	25.8	2.89	<1	0.04	14.1	13	0.46	299
L839771	22	37	130	3.62	2	0.52	3.8	14	1.21	420
L839772	6	28	16.3	2.68	<1	0.09	9.4	8	0.38	300
L839773	28	334	72.5	4.63	<1	0.71	7.1	16	2.38	536
L839774	14	13	103	3.84	<1	0.04	14.9	3	0.11	711
L839775	6	26	22.2	2.44	1	0.05	12.1	9	0.41	332

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L839551	<1	0.02	11	0.06	6	<0.01	<5	2.9	<10	20.9
L839552	<1	0.02	13	0.08	7	<0.01	<5	3.4	<10	26.5
L839553	1	0.01	12	0.03	3	<0.01	<5	2.8	<10	14.7
L839554	1	0.02	5	0.04	3	<0.01	<5	0.8	<10	17.4
L839555	<1	0.01	9	0.04	12	<0.01	<5	2.4	<10	14.7
L839556	<1	0.01	9	0.07	8	<0.01	<5	4.2	<10	25.9
L839557	<1	0.01	9	0.07	4	0.03	<5	5.2	<10	57.8
L839558	<1	0.01	11	0.04	8	<0.01	<5	1.8	<10	13.2
L839559	<1	0.01	13	0.08	6	<0.01	<5	2.2	<10	21.1
L839560	<1	0.01	11	0.04	6	<0.01	<5	1.8	<10	17.4
L839561	<1	0.01	14	0.04	9	<0.01	<5	2.2	<10	15.4
L839562	<1	0.01	14	0.08	6	<0.01	<5	2.1	<10	28.4
L839563	<1	0.02	17	0.09	4	0.12	<5	2.6	<10	104
L839564	<1	0.02	25	0.07	5	0.02	<5	5.5	<10	42.9
L839565	<1	0.02	15	0.06	7	0.01	<5	4.0	<10	28.7
L839566	2	0.01	13	0.07	6	<0.01	<5	1.9	<10	31.3
L839567	<1	0.01	12	0.04	7	<0.01	<5	1.8	<10	20.9
L839568	1	0.01	12	0.04	6	<0.01	<5	1.8	<10	20.2
L839569	<1	0.01	14	0.05	7	<0.01	<5	2.4	<10	23.6
L839570	<1	0.01	12	0.03	7	<0.01	<5	1.7	<10	15.0
L839571	2	0.01	12	0.03	14	<0.01	<5	1.6	<10	19.6
L839572	<1	0.01	14	0.04	6	<0.01	<5	1.4	<10	13.3
L839573	1	0.02	20	0.07	8	<0.01	<5	2.0	<10	17.4
L839574	5	0.01	23	0.03	7	<0.01	<5	2.3	<10	18.9
L839575	6	0.01	22	0.11	13	0.02	<5	3.2	<10	23.9
L839601	<1	0.02	17	0.08	9	<0.01	<5	4.0	<10	22.1
L839602	<1	0.02	16	0.07	8	<0.01	<5	4.3	<10	27.8
L839603	<1	0.02	18	0.11	9	<0.01	<5	4.0	<10	22.2
L839604	<1	0.02	21	0.08	7	<0.01	<5	6.4	<10	28.4
L839605	<1	0.02	16	0.06	7	0.03	<5	4.6	<10	34.3
L839606	<1	0.01	18	0.02	10	<0.01	<5	2.4	<10	12.5
L839607	<1	0.01	13	0.04	8	<0.01	<5	2.6	<10	17.9
L839608	<1	0.01	15	0.08	6	<0.01	<5	1.9	<10	17.5
L839609	1	0.02	16	0.12	6	<0.01	6	4.4	<10	22.5
L839610	<1	0.01	17	0.11	8	<0.01	<5	2.8	<10	20.6
L839611	<1	0.02	11	0.05	10	<0.01	5	2.5	<10	10.4
L839612	<1	0.02	18	0.05	8	<0.01	<5	3.5	<10	20.8
L839613	<1	0.02	9	0.07	3	0.16	6	<0.5	<10	122
L839614	<1	0.01	12	0.05	3	<0.01	<5	2.3	<10	21.6
L839615	<1	0.01	11	0.06	9	<0.01	7	2.1	<10	28.6
L839616	<1	0.01	9	0.09	4	<0.01	<5	2.6	<10	18.5
L839617	<1	<0.01	12	0.03	8	<0.01	6	2.1	<10	13.7
L839618	<1	0.01	15	0.04	8	<0.01	<5	2.3	<10	17.9

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L839619	2	<0.01	10	0.02	13	<0.01	<5	2.1	<10	13.9
L839620	<1	0.01	14	0.02	7	<0.01	<5	2.3	<10	11.2
L839621	1	0.01	16	0.03	8	<0.01	<5	3.1	<10	10.5
L839622	8	<0.01	12	0.07	11	0.04	<5	1.7	<10	16.0
L839623	2	0.01	14	0.03	11	<0.01	<5	1.9	<10	12.7
L839624	3	<0.01	5	0.04	8	<0.01	<5	1.3	<10	12.9
L839625	2	0.03	25	0.07	4	<0.01	<5	7.5	<10	28.5
L839651	<1	0.02	13	0.06	7	<0.01	6	3.6	<10	26.3
L839652	1	0.01	15	0.05	9	<0.01	<5	3.9	<10	25.6
L839653	1	0.01	18	0.08	7	<0.01	<5	4.1	<10	19.1
L839654	<1	0.01	13	0.02	9	<0.01	<5	3.6	<10	14.4
L839655	<1	0.01	13	0.06	6	<0.01	<5	3.0	<10	14.4
L839657	<1	0.01	12	0.07	8	<0.01	<5	4.4	<10	24.1
L839658	<1	0.01	11	0.06	5	<0.01	<5	3.1	<10	21.5
L839659	<1	0.01	14	0.04	12	<0.01	<5	3.6	<10	18.7
L839660	<1	0.01	14	0.07	7	<0.01	<5	3.3	<10	15.8
L839661	<1	0.01	6	0.08	7	<0.01	<5	2.7	<10	17.9
L839662	<1	0.01	9	0.16	9	<0.01	<5	4.8	<10	29.1
L839663	<1	0.01	10	0.09	8	<0.01	<5	3.3	<10	20.5
L839664	<1	0.01	11	0.06	5	<0.01	<5	3.7	<10	26.9
L839665	1	0.01	17	0.04	10	<0.01	<5	3.6	<10	17.5
L839667	<1	0.01	15	0.02	11	<0.01	<5	2.4	<10	14.7
L839668	<1	0.02	18	0.07	4	<0.01	<5	5.7	<10	29.2
L839669	1	0.01	19	0.03	6	<0.01	<5	4.1	<10	18.6
L839670	1	0.01	18	0.04	62	<0.01	<5	5.6	<10	23.5
L839671	<1	0.01	23	0.03	6	<0.01	<5	5.8	<10	20.1
L839672	1	0.01	27	0.04	9	<0.01	<5	3.4	<10	11.4
L839673	<1	0.01	23	0.03	3	<0.01	6	3.3	<10	13.8
L839674	26	0.01	52	0.13	27	0.12	<5	7.8	<10	33.8
L839675	3	0.01	19	0.04	8	<0.01	<5	3.2	<10	12.1
L839701	<1	0.01	14	0.09	3	0.02	<5	3.5	<10	29.8
L839702	<1	0.01	16	0.05	2	<0.01	<5	4.3	<10	23.2
L839703	1	0.01	15	0.06	8	<0.01	<5	3.4	<10	15.3
L839704	<1	0.01	19	0.08	7	<0.01	<5	3.4	<10	13.7
L839705	1	0.01	24	0.03	10	<0.01	<5	2.7	<10	11.9
L839706	<1	0.01	4	0.18	<2	<0.01	<5	7.1	<10	34.7
L839707	<1	0.01	18	0.07	7	<0.01	<5	5.0	<10	24.5
L839708	<1	0.01	18	0.04	4	<0.01	5	2.6	<10	15.7
L839709	<1	0.01	11	0.03	5	<0.01	<5	2.3	<10	14.3
L839710	<1	0.01	21	0.05	3	<0.01	<5	3.6	<10	17.9
L839711	<1	0.01	16	0.06	5	<0.01	<5	4.6	<10	25.0
L839712	<1	0.01	10	0.04	6	<0.01	<5	3.0	<10	16.9
L839713	<1	0.01	18	0.04	7	<0.01	<5	2.5	<10	12.9

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L839714	<1	0.01	13	0.14	7	<0.01	<5	4.4	<10	29.2
L839715	<1	0.02	17	0.09	11	0.02	<5	6.4	<10	36.3
L839716	<1	0.01	9	0.08	4	<0.01	<5	2.0	<10	33.3
L839717	<1	0.01	11	0.07	3	<0.01	<5	2.5	<10	20.0
L839718	<1	0.01	12	0.07	6	<0.01	<5	2.3	<10	17.5
L839719	1	0.01	7	0.13	2	<0.01	<5	4.3	<10	30.2
L839720	2	0.01	13	0.02	38	<0.01	<5	2.5	<10	13.6
L839721	<1	0.01	22	0.11	10	<0.01	<5	4.8	<10	23.8
L839722	3	0.01	19	0.06	13	<0.01	<5	2.9	<10	15.3
L839723	1	0.01	30	0.09	<2	0.01	<5	8.0	<10	28.1
L839724	1	0.01	18	0.04	5	<0.01	<5	3.4	<10	16.0
L839725	2	0.01	24	0.03	9	<0.01	<5	4.2	<10	12.5
L839751	<1	0.02	18	0.10	7	0.02	<5	5.3	<10	31.9
L839752	1	0.02	18	0.09	5	0.02	<5	4.5	<10	37.6
L839753	<1	0.02	19	0.07	5	<0.01	<5	5.7	<10	28.2
L839754	<1	0.01	12	0.09	5	<0.01	<5	6.9	<10	27.8
L839755	<1	0.01	11	0.12	5	<0.01	<5	5.1	<10	31.2
L839756	<1	0.01	19	0.04	8	<0.01	<5	4.0	<10	20.8
L839757	3	0.03	16	0.05	5	0.16	<5	5.0	<10	48.4
L839758	<1	0.02	26	0.09	<2	<0.01	<5	6.9	<10	32.0
L839759	2	0.04	28	0.06	<2	0.28	<5	3.6	<10	70.2
L839760	<1	0.02	16	0.06	2	0.04	5	5.2	<10	35.6
L839761	<1	0.01	18	0.06	8	<0.01	<5	2.8	<10	15.9
L839762	1	0.01	18	0.05	4	<0.01	<5	3.3	<10	20.7
L839763	<1	<0.01	6	0.15	3	<0.01	<5	6.9	<10	17.9
L839764	<1	<0.01	7	0.05	15	<0.01	<5	4.7	<10	21.3
L839765	1	0.01	21	0.02	3	<0.01	<5	7.8	<10	17.0
L839766	<1	0.01	9	0.15	7	<0.01	<5	6.5	<10	51.6
L839767	<1	0.01	12	0.08	6	<0.01	<5	5.2	<10	30.2
L839768	<1	0.02	20	0.04	7	<0.01	<5	5.0	<10	24.2
L839769	<1	0.01	9	0.11	5	<0.01	<5	3.5	<10	31.4
L839770	1	0.01	19	0.02	12	<0.01	<5	5.7	<10	16.8
L839771	<1	0.01	31	0.08	<2	<0.01	<5	3.2	<10	15.7
L839772	2	0.01	15	0.03	6	<0.01	<5	2.7	<10	16.8
L839773	<1	0.02	178	0.12	<2	<0.01	6	5.7	<10	22.0
L839774	17	<0.01	78	0.08	22	0.03	<5	3.4	<10	12.5
L839775	4	0.01	19	0.03	7	<0.01	<5	3.2	<10	19.1

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Element Method Det.Lim. Units	Ti ICP14B 0.01 %	V ICP14B 1 ppm	W ICP14B 10 ppm	Y ICP14B 0.5 ppm	Zn ICP14B 1 ppm	Zr ICP14B 0.5 ppm
L839551	0.06	51	<10	4.2	54	2.0
L839552	0.05	51	<10	7.8	56	1.8
L839553	0.06	64	<10	2.8	47	5.8
L839554	0.04	49	<10	2.8	41	0.7
L839555	0.05	53	<10	3.6	45	1.4
L839556	0.06	60	<10	7.1	60	1.1
L839557	0.03	41	<10	30.2	49	2.5
L839558	0.04	45	<10	1.2	41	1.1
L839559	0.05	54	<10	1.5	71	0.7
L839560	0.06	48	<10	1.5	41	1.5
L839561	0.05	54	<10	2.2	43	0.9
L839562	0.07	56	<10	1.8	44	1.1
L839563	0.03	27	<10	14.7	19	2.2
L839564	0.05	71	<10	6.4	49	2.4
L839565	0.06	57	<10	6.5	51	4.0
L839566	0.04	51	<10	1.6	44	1.6
L839567	0.05	51	<10	1.6	42	0.9
L839568	0.04	46	<10	1.5	39	0.9
L839569	0.06	55	<10	1.9	50	1.9
L839570	0.04	50	<10	1.6	39	0.5
L839571	0.04	48	<10	3.7	43	0.6
L839572	0.06	64	<10	1.4	34	0.6
L839573	0.07	80	<10	1.6	77	1.1
L839574	0.03	50	<10	2.2	74	0.9
L839575	0.03	51	<10	5.0	49	0.7
L839601	0.07	62	<10	4.1	62	1.5
L839602	0.05	56	<10	8.2	49	2.3
L839603	0.08	68	<10	4.6	77	2.2
L839604	0.07	59	<10	9.4	62	6.1
L839605	0.05	50	<10	14.5	47	3.5
L839606	0.07	63	<10	2.0	51	1.6
L839607	0.08	56	<10	2.5	39	2.3
L839608	0.06	58	<10	1.5	42	0.8
L839609	0.12	86	<10	2.6	77	2.3
L839610	0.06	54	<10	2.5	56	1.1
L839611	0.11	63	<10	2.1	39	2.7
L839612	0.08	63	<10	4.8	48	4.8
L839613	0.01	11	<10	3.8	12	2.1
L839614	0.06	61	<10	2.1	59	3.3
L839615	0.05	55	<10	1.9	46	1.2
L839616	0.10	81	<10	2.7	81	1.6
L839617	0.05	58	<10	1.9	38	2.8
L839618	0.06	57	<10	1.9	37	4.7

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Element Method Det.Lim. Units	Ti ICP14B 0.01 %	V ICP14B 1 ppm	W ICP14B 10 ppm	Y ICP14B 0.5 ppm	Zn ICP14B 1 ppm	Zr ICP14B 0.5 ppm
L839619	0.06	62	<10	2.2	41	2.7
L839620	0.06	59	<10	2.1	35	3.0
L839621	0.05	59	<10	3.0	44	3.3
L839622	0.04	53	<10	2.5	33	0.6
L839623	0.05	55	<10	2.4	38	<0.5
L839624	0.05	48	<10	1.5	22	0.7
L839625	0.06	94	<10	5.9	63	1.7
L839651	0.06	50	<10	6.3	48	2.8
L839652	0.06	53	<10	6.1	47	3.0
L839653	0.07	53	<10	5.4	46	3.3
L839654	0.06	52	<10	4.7	36	4.5
L839655	0.07	67	<10	3.2	46	2.1
L839657	0.05	65	<10	6.0	56	4.5
L839658	0.06	61	<10	4.4	47	4.8
L839659	0.06	54	<10	7.1	48	3.7
L839660	0.07	66	<10	2.9	69	6.3
L839661	0.08	70	<10	3.7	57	2.1
L839662	0.11	90	<10	10.4	102	1.5
L839663	0.07	60	<10	5.7	58	1.5
L839664	0.05	47	<10	12.4	47	1.7
L839665	0.04	70	<10	2.4	63	1.9
L839667	0.06	54	<10	2.6	37	4.3
L839668	0.10	79	<10	5.8	58	3.8
L839669	0.08	60	<10	2.6	56	5.7
L839670	0.09	66	<10	7.4	71	5.8
L839671	0.06	60	<10	5.8	52	4.4
L839672	0.07	66	<10	3.5	49	6.7
L839673	0.06	62	<10	3.2	47	4.4
L839674	0.03	150	<10	7.3	163	<0.5
L839675	0.05	68	<10	2.4	48	1.4
L839701	0.05	50	<10	5.7	53	1.2
L839702	0.06	48	<10	7.6	42	3.6
L839703	0.07	71	<10	2.2	56	<0.5
L839704	0.09	80	<10	2.8	53	<0.5
L839705	0.06	59	<10	2.4	45	5.1
L839706	0.06	88	<10	8.5	100	1.9
L839707	0.02	51	<10	9.9	48	2.0
L839708	0.09	67	<10	2.7	53	2.9
L839709	0.09	70	<10	1.9	35	1.8
L839710	0.07	65	<10	3.3	57	1.6
L839711	0.08	63	<10	8.6	54	1.6
L839712	0.08	57	<10	3.5	39	2.8
L839713	0.08	66	<10	2.0	47	3.6

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Element Method Det.Lim. Units	Ti ICP14B 0.01 %	V ICP14B 1 ppm	W ICP14B 10 ppm	Y ICP14B 0.5 ppm	Zn ICP14B 1 ppm	Zr ICP14B 0.5 ppm
L839714	0.13	94	<10	2.8	103	2.6
L839715	0.07	81	<10	12.2	65	3.7
L839716	0.05	58	<10	4.1	66	<0.5
L839717	0.11	72	<10	3.1	73	0.6
L839718	0.07	59	<10	3.0	52	1.0
L839719	0.04	51	<10	9.4	69	2.0
L839720	0.06	65	<10	2.5	76	2.6
L839721	0.10	77	<10	3.4	84	1.5
L839722	0.07	77	<10	4.1	58	<0.5
L839723	0.07	81	<10	8.7	73	0.9
L839724	0.06	61	<10	3.9	48	3.0
L839725	0.05	72	<10	3.8	56	3.7
L839751	0.07	79	<10	7.2	73	2.1
L839752	0.06	57	<10	8.5	58	1.7
L839753	0.06	65	<10	8.4	58	3.8
L839754	0.03	70	<10	12.0	65	4.1
L839755	0.11	97	<10	2.9	96	2.8
L839756	0.07	76	<10	2.4	61	3.7
L839757	0.06	77	<10	3.3	40	2.3
L839758	0.19	122	<10	4.5	95	3.8
L839759	0.13	105	<10	1.7	42	2.1
L839760	0.32	174	<10	1.8	81	1.8
L839761	0.08	72	<10	2.2	67	1.6
L839762	0.07	60	<10	4.1	46	6.8
L839763	0.03	73	<10	5.5	90	3.0
L839764	0.03	60	<10	4.0	64	7.1
L839765	0.06	61	<10	13.6	50	12.4
L839766	0.07	69	<10	7.4	97	5.4
L839767	0.07	67	<10	6.9	75	7.3
L839768	0.06	57	<10	5.5	45	9.8
L839769	0.05	55	<10	9.2	64	3.3
L839770	0.06	65	<10	8.5	59	9.4
L839771	0.16	85	<10	2.0	51	2.1
L839772	0.06	64	<10	3.0	49	1.1
L839773	0.21	112	<10	3.5	55	2.4
L839774	<0.01	31	<10	3.5	180	<0.5
L839775	0.05	54	<10	3.9	49	1.6

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