



TruePoint Exploration
#904 - 409 Granville St.
Vancouver BC V6C 1T2
Canada

Report No.: A22-09154
Report Date: 20-Sep-22
Date Submitted: 04-Jul-22
Your Reference: CARMACKS COPPER

ATTN: Debbie James

CERTIFICATE OF ANALYSIS

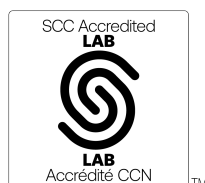
145 Soil samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
7-MIG	7-Mobile Ion Geochemistry	2022-08-17 16:39:17

REPORT A22-09154

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Notes:



LabID: 266

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

A handwritten signature in blue ink, appearing to read "R. Hoffman".

Rob Hoffman
Region Manager

Results

Activation Laboratories Ltd.

Report: A22-09154

Analyte Symbol	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.5	0.5	0.05	1	0.07	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
3838651	17.1	84.4	54.3	0.21	1180	1.43	0.3	136	322	2.20	45.6	52.1	104	3.55	706	3.65	1.83	1.12	62	18.5	4.63	1.77	2.26
3838652	36.7	111	58.9	0.27	1520	1.99	0.3	145	355	1.25	77.4	53.2	140	5.01	783	4.57	2.08	1.36	80	23.8	5.94	1.76	3.10
3838653	20.6	54.9	34.0	0.35	1180	0.95	0.2	110	390	2.82	52.7	46.4	64	2.03	1150	3.83	2.00	1.27	39	13.2	5.79	0.81	1.27
3838654	20.6	55.4	23.2	0.08	821	0.64	0.2	197	333	2.23	8.29	23.5	53	2.14	724	1.06	0.69	0.44	37	16.7	1.47	1.23	1.03
3838655	9.8	22.8	10.1	0.07	338	0.41	< 0.1	91	190	9.94	62.9	16.7	12	0.46	2160	7.52	4.34	2.62	13	8.2	10.7	0.28	2.48
3838656	24.0	236	60.4	0.51	2050	4.75	0.6	453	262	1.58	1190	66.0	271	10.2	2150	349	179	97.2	147	52.6	431	3.89	6.51
3838657	17.2	49.6	17.3	0.19	1040	1.29	0.2	112	171	1.62	545	29.6	47	1.70	1310	77.8	43.5	23.4	28	11.7	106	< 0.05	3.06
3838658	7.3	94.3	36.0	0.11	986	1.37	0.3	93	239	1.90	50.0	68.2	125	3.52	621	5.30	3.34	1.61	65	20.9	6.98	1.23	2.21
3838659	10.7	62.8	19.2	0.07	1070	0.78	0.2	146	231	2.54	85.9	103	83	2.14	701	20.8	13.0	6.07	49	16.2	25.6	1.49	2.30
3838660	4.7	175	39.7	0.05	1570	2.06	0.4	175	241	1.70	117	58.1	169	7.22	539	31.9	17.6	9.94	109	38.2	39.6	3.65	3.95
3838661	18.0	192	30.0	0.39	1840	3.23	0.5	199	293	4.55	699	44.3	86	5.25	5020	25.6	9.79	10.9	116	60.5	51.6	2.37	2.12
3838662	7.8	85.1	28.5	0.11	1230	1.28	0.3	61	221	0.82	271	42.7	79	2.69	1380	16.9	8.96	5.88	55	19.7	27.8	2.06	1.24
3838663	19.8	123	34.1	< 0.05	989	1.43	0.2	71	261	2.04	97.4	26.1	66	2.16	378	9.47	4.62	3.55	68	31.3	14.3	1.99	1.73
3838664	6.9	185	39.8	< 0.05	1000	2.16	0.5	136	263	1.91	119	70.2	104	3.31	500	8.11	3.47	2.80	96	41.9	12.2	3.02	2.74
3838665	7.6	283	44.8	< 0.05	1720	4.07	0.6	116	222	1.20	195	80.7	170	5.36	671	15.7	7.83	5.45	161	76.2	22.7	5.27	3.20
3838666	24.7	69.2	15.6	0.06	938	0.90	0.2	138	320	1.59	14.7	32.3	71	2.77	776	1.80	1.02	0.66	44	18.6	2.47	1.34	1.55
3838667	3.5	197	51.4	0.27	1630	2.95	0.4	79	259	0.58	124	45.1	238	6.65	552	3.82	1.92	1.27	123	44.7	6.32	3.55	4.60
3838668	2.2	250	94.4	0.24	1520	4.11	0.7	48	214	1.02	276	62.8	267	6.51	500	8.72	4.35	2.60	134	53.9	14.8	4.16	5.87
3838669	14.9	62.7	22.4	0.23	857	1.07	0.2	114	184	4.67	122	123	71	1.80	1060	16.2	9.15	4.93	42	14.9	22.0	1.68	1.80
3838670	2.5	237	52.4	< 0.05	1340	8.43	0.5	80	176	1.09	277	143	139	4.19	267	14.7	7.14	4.98	130	42.7	23.0	3.96	2.71
3838671	2.8	192	49.3	0.05	903	2.92	0.5	107	221	0.90	808	53.6	171	4.49	352	39.8	16.2	13.9	94	39.7	69.2	3.72	2.88
3838672	3.4	198	47.6	< 0.05	1010	6.74	0.7	148	204	1.36	423	62.2	140	3.84	542	25.3	13.1	9.23	123	45.5	40.4	2.57	3.33
3838673	5.5	270	48.4	< 0.05	1070	4.77	0.6	138	212	1.18	229	93.9	180	4.52	996	13.3	6.43	5.32	150	67.4	23.0	5.18	3.33
3838674	4.1	209	60.2	< 0.05	1110	2.49	0.3	48	256	1.38	108	48.9	125	3.55	360	6.76	3.39	2.74	89	45.4	11.1	2.88	2.40
3838675	1.6	236	49.0	< 0.05	660	8.58	0.7	81	160	0.73	420	76.7	151	4.68	380	17.2	8.76	6.35	121	49.9	31.3	3.68	2.72
3838676	1.3	141	33.1	< 0.05	703	3.94	0.3	72	109	0.79	132	58.1	80	2.46	156	7.55	3.66	2.64	75	27.5	11.1	1.99	1.58
3838677	1.6	231	66.1	< 0.05	1260	2.49	0.5	96	238	0.92	133	54.7	150	4.17	664	9.08	4.67	3.66	101	52.3	14.8	3.24	2.33
3838678	4.2	175	39.0	< 0.05	1180	6.96	0.5	58	153	5.82	346	190	131	3.83	405	16.9	7.83	5.98	97	35.1	28.2	2.28	3.08
3838679	7.3	122	36.8	0.08	828	2.68	0.4	84	189	1.76	388	85.2	80	2.93	764	23.4	12.2	9.56	74	28.0	42.7	2.46	1.56
3838680	29.5	137	35.5	0.40	1150	1.53	0.4	58	220	1.36	178	57.9	115	3.06	1300	13.4	7.11	5.72	80	28.4	22.5	2.34	1.95
3838681	12.8	127	22.1	0.27	915	2.65	0.3	54	210	1.77	295	115	88	2.63	1260	16.4	7.27	6.57	69	30.5	28.1	2.40	1.81
3838682	8.9	169	29.0	0.11	1010	7.20	0.6	79	194	1.44	639	75.2	122	3.79	391	35.7	18.0	13.9	105	40.5	61.7	2.82	3.31
3838683	3.7	188	41.5	0.10	1590	2.65	0.6	66	293	0.83	69.2	51.4	160	4.66	1700	5.01	2.40	2.35	110	45.0	8.20	3.04	2.32
3838684	2.7	190	50.2	< 0.05	1410	2.63	0.5	94	303	1.87	200	58.9	127	2.79	2070	11.9	5.56	5.03	95	40.2	21.5	3.60	3.14
3838685	3.7	221	52.6	0.06	1020	3.79	0.8	88	236	1.31	338	65.3	173	4.53	1440	22.7	11.2	9.04	123	46.0	37.8	3.52	3.54
3838686	2.8	252	40.7	< 0.05	1330	10.7	0.9	149	153	2.54	1180	92.9	167	4.64	1060	44.0	19.4	21.5	172	58.4	95.4	5.04	4.12
3838687	1.1	73.7	14.7	< 0.05	766	3.16	0.2	116	158	0.44	927	31.2	36	1.08	348	27.8	12.9	12.2	45	18.8	61.8	0.44	1.40
3838688	2.4	180	20.8	< 0.05	941	8.00	0.5	102	137	0.78	860	80.2	98	2.59	605	32.8	15.2	13.5	114	39.6	63.6	3.68	2.36
3838689	2.4	223	37.8	< 0.05	1310	10.9	0.8	151	134	1.51	1950	115	155	4.07	1130	86.8	41.3	38.3	131	43.3	171	0.44	5.08
3838690	2.2	192	30.3	< 0.05	1850	3.29	0.5	88	222	0.89	55.3	47.2	154	3.88	518	7.35	3.76	2.43	123	48.6	10.1	3.60	2.16
3838691	5.4	136	36.2	< 0.05	1100	2.15	0.4	48	293	0.58	19.9	28.8	123	3.16	1200	1.58	0.86	0.64	91	33.4	2.27	2.95	1.61
3838692	3.2	323	58.6	< 0.05	987	6.28	0.4	141	239	0.69	716	72.6	204	5.31	374	43.2	17.1	14.2	206	91.4	72.1	5.99	4.20
3838693	5.5	48.5	12.9	< 0.05	508	0.92	< 0.1	44	161	0.65	139	47.5	30	0.86	166	12.1	6.17	4.14	29	14.1	18.0	0.75	0.81
3838694	9.4	112	20.9	< 0.05	949	1.99	< 0.1	56	164	0.80	137	46.1	59	1.54	179	11.3	5.66	3.77	66	31.6	15.8	2.01	1.47
3838695	2.6	203	41.7	< 0.05	1200	3.80	0.3	56	207	0.80	184	38.2	142	3.68	284	13.0	5.84	4.36	117	55.8	20.0	3.23	2.41
3838696	2.8	183	24.2	< 0.05	1450	3.09	0.2	64	163	0.62	175	44.6	88	2.53	201	9.17	4.57	3.51	89	52.8	15.3	2.81	1.55
3838697	24.5	519	84.2	< 0.05	2610	9.35	1.1	132	244	1.39	595	158	398	9.40	838	36.7	16.7	11.2	304	137	52.8	7.89	5.25
3838698	3.6	172	54.4	0.13	2160	3.19	0.4	75	253	1.44	152	45.8	204	5.12	762	27.3	12.5	8.62	119	37.3	35.9	2.42	3.47
3838699	5.5	180	58.2	0.46	2110	3.71	0.6	50	340	1.12	136	78.7	241	6.87	935	10.2	4.55	3.55	137	42.4	16.2	3.50	4.15
3838700	6.6	259	52.2	0.05	2720	3.22	0.6	94	290	1.75	81.1	63.6	246	7.73	1120	8.73	4.36	3.35	164	61.0	12.6	4.78	3.82

Results

Activation Laboratories Ltd.

Report: A22-09154

Analyte Symbol	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.5	0.5	0.05	1	0.07	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
3839001	6.1	205	38.1	< 0.05	2330	2.77	0.4	37	281	0.65	34.6	40.6	143	4.05	917	1.73	1.05	0.95	108	55.9	3.05	3.62	1.70
3839002	3.9	107	30.4	< 0.05	1170	2.37	0.4	61	166	0.40	358	99.4	99	2.57	696	28.6	15.2	9.56	75	27.3	42.9	1.20	1.46
3839003	2.5	179	25.7	< 0.05	1660	3.23	0.4	87	215	1.79	157	53.3	114	3.52	1740	13.5	7.03	6.04	130	51.7	22.9	2.96	3.07
3839004	3.3	148	24.2	< 0.05	1110	2.17	0.4	25	221	1.22	92.5	39.7	128	3.68	395	5.82	2.70	2.50	97	36.5	10.1	2.49	2.10
3839005	15.0	147	31.9	< 0.05	1580	2.44	0.5	17	275	0.79	40.8	37.7	141	4.02	1840	4.08	2.10	1.44	102	38.7	5.61	3.00	2.28
3839006	6.5	75.1	20.9	0.10	979	1.19	0.3	35	197	0.84	465	24.7	49	1.62	2180	12.8	5.82	5.57	63	21.5	29.6	2.17	1.13
3839007	10.4	145	31.1	0.13	1390	2.80	0.5	81	202	0.57	1480	68.9	124	3.67	5930	33.6	13.8	12.0	109	38.1	76.5	1.63	2.45
3839008	10.6	176	33.9	0.29	1390	3.65	2.9	52	186	1.08	619	50.9	135	4.42	5190	17.4	8.41	6.40	130	52.2	36.7	3.12	2.59
3839009	17.1	175	25.3	0.11	1220	3.27	0.4	79	218	0.94	175	22.9	78	2.54	4170	9.04	4.47	3.95	89	54.8	17.6	3.57	1.75
3839010	21.1	169	23.1	0.13	1160	3.33	0.5	81	216	1.11	195	22.4	75	2.24	4620	11.2	5.68	4.79	84	52.7	21.9	2.50	1.70
3839011	21.2	93.0	16.1	< 0.05	533	2.16	0.3	75	132	0.63	855	45.7	67	2.51	1110	23.1	11.5	8.67	66	25.8	49.0	0.97	1.55
3839012	5.5	154	15.2	< 0.05	1460	2.67	0.2	51	214	0.71	45.3	39.3	77	2.62	936	5.20	2.72	1.97	94	49.1	7.27	2.90	1.36
3839013	19.2	186	21.0	< 0.05	1470	3.10	0.2	35	265	1.04	43.1	44.6	85	2.86	346	4.22	2.13	1.74	126	62.2	6.66	3.77	1.57
3839014	117	101	21.5	3.62	1640	1.54	4.2	45	210	3.08	322	29.9	78	2.18	55500	16.8	8.29	5.91	80	27.0	27.9	2.37	1.60
3839015	3.1	197	54.6	0.08	2020	3.42	0.7	18	253	0.98	43.0	50.4	277	6.90	1930	2.98	1.68	1.17	152	48.3	4.07	4.01	3.82
3839016	284	275	22.1	4.62	2790	2.61	1.5	201	293	6.29	366	176	160	9.88	11600	51.6	26.3	17.0	136	54.8	75.9	3.46	3.71
3839017	69.8	38.7	8.6	0.54	640	0.35	0.2	13	245	21.3	17.5	25.3	27	1.85	735	1.27	0.73	0.60	22	8.8	2.28	0.29	0.57
3839018	82.1	221	72.0	2.01	2200	2.99	1.1	62	194	154	67.2	55.7	238	10.5	2790	6.27	3.08	2.30	136	46.7	8.72	4.23	3.03
3839019	5.9	313	79.0	0.10	2080	4.95	1.2	72	243	16.0	363	110	353	9.59	1900	23.4	10.5	7.62	195	74.9	34.9	4.30	5.16
3839020	1.0	158	36.7	< 0.05	1430	6.48	0.4	75	189	1.02	789	73.7	73	2.73	611	25.8	10.2	11.4	100	40.2	55.8	< 0.05	3.30
3839021	1.5	234	57.6	< 0.05	2870	4.25	0.6	54	224	1.62	452	124	139	5.61	694	34.6	16.6	13.2	186	72.6	55.8	4.02	3.96
3839022	2.4	182	42.3	< 0.05	2690	2.25	0.5	82	262	0.86	25.5	36.0	187	6.52	834	2.59	1.36	1.26	119	49.5	3.90	4.13	2.58
3839023	0.7	301	52.6	< 0.05	1840	10.7	0.9	35	85	1.78	429	154	221	6.74	559	18.3	8.24	6.29	187	64.6	30.7	4.07	3.98
3839024	1.4	176	36.4	< 0.05	2220	2.74	0.4	39	207	0.61	98.1	80.7	171	5.61	586	11.2	5.06	3.79	111	51.0	15.4	3.41	2.14
3839025	2.3	121	38.2	< 0.05	1640	1.48	0.4	61	275	0.87	27.9	27.5	95	3.40	1080	2.51	1.29	1.18	92	37.5	4.15	2.29	1.58
3839026	1.2	66.6	20.3	0.13	1040	1.01	0.3	8	216	0.45	18.5	28.2	78	2.46	481	1.54	0.77	0.69	48	19.2	2.52	1.74	1.16
3839027	2.8	158	54.1	0.05	2090	1.85	0.4	56	207	2.58	232	104	160	4.85	691	22.6	10.7	9.33	105	35.2	36.7	1.42	2.77
3839028	3.7	33.1	6.0	< 0.05	354	0.47	0.1	7	86	1.38	44.3	21.1	10	1.21	226	2.30	1.05	1.11	15	18.5	4.30	< 0.05	1.09
3839029	1.4	92.8	17.7	0.05	1080	1.19	0.2	75	192	6.15	141	44.7	71	2.79	485	11.9	6.00	4.42	59	20.5	18.3	1.55	2.83
3839030	1.6	127	21.6	0.05	1490	2.67	0.2	78	240	2.05	430	139	118	3.87	586	28.9	13.6	9.88	91	26.2	44.7	1.77	4.14
3839031	3.2	87.5	18.8	0.08	1080	1.26	0.2	80	215	2.50	253	55.3	80	2.35	530	18.6	9.57	6.50	54	17.3	28.9	1.51	3.01
3839032	1.7	115	25.4	0.28	1940	1.83	0.2	84	233	1.93	424	63.5	121	3.52	600	39.2	17.2	13.9	78	24.4	60.9	0.54	3.76
3839033	1.5	91.4	14.4	0.05	837	2.64	0.2	42	199	5.19	476	87.0	63	1.57	681	31.7	15.8	11.3	60	13.6	51.2	0.05	3.17
3839034	2.4	88.8	17.1	0.09	1080	1.73	0.2	49	225	2.84	629	105	72	2.10	496	36.0	17.6	13.8	55	14.9	62.4	< 0.05	3.16
3839035	3.5	118	27.8	0.24	1170	1.27	0.2	79	294	2.05	295	84.6	100	2.91	670	28.6	17.0	8.91	72	23.2	40.7	1.17	2.95
3839036	1.5	79.8	17.4	0.17	1250	0.71	< 0.1	95	262	4.97	230	67.6	55	1.70	608	20.5	9.54	7.33	41	13.8	33.5	0.78	1.93
3839039	5.9	102	31.1	0.08	1520	1.23	0.4	110	242	1.06	494	66.8	99	2.33	432	36.5	14.8	12.1	56	18.4	55.5	1.60	2.00
1333935	3.8	96.6	26.6	0.14	1020	1.33	0.2	108	265	2.30	352	103	98	1.83	902	18.3	8.20	5.95	53	17.5	29.6	1.61	2.74
1333936	3.8	71.0	8.3	< 0.05	695	0.34	0.2	82	25	1.58	67.8	41.2	17	1.87	286	3.72	1.70	1.69	20	25.2	6.51	0.64	2.20
1333937	3.2	166	41.9	0.24	1650	2.30	0.4	63	282	1.15	223	94.5	195	4.20	905	14.6	6.87	4.77	94	34.6	23.1	2.52	2.92
1333938	2.7	29.5	12.2	< 0.05	301	0.36	0.1	81	126	3.89	97.4	30.2	19	0.79	448	4.53	2.22	2.13	15	20.0	8.88	0.83	1.20
1333939	1.4	117	27.4	0.09	979	2.82	0.3	177	222	3.49	440	196	86	2.11	1340	21.6	11.0	7.91	78	18.6	36.5	1.12	4.54
1333940	2.5	137	29.1	0.14	1030	2.09	0.4	80	251	3.36	557	118	143	3.18	936	32.2	14.9	11.0	86	26.4	53.1	1.65	4.03
1333941	8.5	89.8	20.2	0.76	1320	2.03	0.2	116	306	2.17	510	52.1	116	2.95	3020	60.9	29.1	20.0	65	20.7	88.1	1.94	4.55
1333942	2.0	122	24.5	0.12	1290	1.28	0.2	108	255	2.44	264	154	131	2.99	672	24.5	11.6	7.84	80	23.8	35.0	1.86	3.97
1333943	8.4	121	23.3	1.53	1510	1.80	0.1	110	331	1.81	144	29.0	147	4.14	3370	33.9	16.1	10.6	93	31.2	42.7	2.05	4.60
1333944	10.5	137	19.5	1.62	1530	1.98	0.2	97	320	2.05	278	29.7	165	4.72	8240	53.3	26.9	16.9	99	31.8	71.3	3.10	4.48
1333945	3.1	103	27.0	0.20	1010	1.09	0.2	84	319	1.11	30.9	24.8	130	4.59	672	2.74	1.57	0.94	77	22.4	3.91	1.89	3.09
1333946	10.7	61.1	23.0	0.45	963	1.12	< 0.1	127	361	4.07	89.7	40.2	81	2.87	1680	12.4	6.68	4.06	48	14.0	17.7	1.57	2.52
1333947	3.3	130	27.2	0.09	1090	0.87	0.1	98	373	1.25	25.8	26.9	139	3.88	643	2.62	1.41	1.04	84	30.2	3.88	1.98	2.95

Results

Activation Laboratories Ltd.

Report: A22-09154

Analyte Symbol	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.5	0.5	0.05	1	0.07	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1333956	5.1	200	40.3	0.25	1330	2.34	0.4	90	330	1.45	107	44.1	214	5.70	1440	9.08	4.52	3.05	132	50.4	14.0	3.97	4.09
1333958	1.5	132	31.2	0.10	1050	1.23	0.2	91	283	1.48	71.9	90.9	140	3.86	808	5.20	2.52	1.77	80	26.7	7.87	2.54	3.21
1333959	2.8	204	39.5	0.40	1460	1.30	0.2	55	358	0.83	28.7	42.2	210	5.80	748	3.44	1.98	1.31	133	48.7	4.81	3.69	3.75
1333961	7.2	111	27.8	0.25	1340	1.38	0.2	148	340	2.37	58.9	55.7	136	4.31	843	7.33	4.17	2.28	80	25.9	9.47	1.63	3.27
1333963	11.9	87.4	32.8	0.17	1240	1.32	0.2	256	339	4.66	89.1	103	111	3.53	2180	15.3	8.62	4.11	65	20.5	18.6	1.84	4.03
1333964	2.4	281	53.9	0.12	2350	2.84	0.4	115	302	1.76	92.9	52.8	328	10.1	759	13.1	6.97	4.02	192	60.1	17.0	4.94	6.89
1333965	4.7	162	34.3	0.19	1480	1.94	0.2	95	356	1.37	51.3	35.2	191	5.69	733	8.36	4.57	2.42	118	36.3	10.1	2.97	4.26
1333966	17.4	59.2	19.9	0.19	843	1.00	0.2	143	363	5.36	45.9	42.5	71	2.57	1630	8.87	4.73	2.50	44	16.1	11.1	1.46	2.07
1333967	10.5	53.8	20.5	0.19	854	0.77	0.1	152	373	3.69	25.4	35.7	65	2.07	886	6.49	3.65	1.72	39	13.4	7.48	0.72	2.14
1333968	10.3	113	33.9	0.23	1370	1.73	0.2	121	348	2.85	61.5	36.0	133	4.98	949	12.2	6.29	3.51	82	26.4	15.1	2.08	3.19
1333969	5.8	97.4	29.7	0.19	1150	1.17	0.2	113	328	1.24	48.7	25.9	112	3.84	1060	7.66	3.93	2.42	71	24.2	10.3	1.59	2.48
1333970	9.9	92.9	25.3	0.19	1090	1.38	0.2	118	315	2.78	68.9	62.4	114	3.65	1100	8.59	4.43	2.57	69	22.3	11.6	1.50	2.69
1333971	28.7	26.4	20.7	0.36	567	0.55	< 0.1	174	375	3.59	56.5	12.9	25	0.63	2330	11.2	6.24	3.04	21	3.3	14.2	0.68	0.89
1333972	2.6	11.9	4.8	< 0.05	141	< 0.07	< 0.1	65	197	1.52	2.00	1.7	< 2	0.41	623	0.15	0.09	0.08	2	5.0	0.25	0.17	0.10
1333973	13.3	34.1	17.0	0.25	818	1.02	0.1	154	321	7.48	93.8	26.8	45	1.27	1600	17.1	9.30	4.56	34	7.9	20.5	0.18	1.72
1333974	9.0	90.9	25.8	0.15	1350	1.46	0.2	89	256	2.17	48.0	29.1	124	3.41	763	7.45	3.92	2.24	87	21.6	9.33	1.57	3.57
1333975	18.4	77.8	20.8	0.14	1060	1.35	0.2	156	374	1.86	47.9	23.7	91	2.37	1330	7.42	3.72	2.16	59	20.7	9.68	1.44	1.70
1333976	4.5	362	98.4	0.09	2910	6.77	0.9	114	287	1.03	514	101	452	11.3	1510	32.1	13.6	9.19	248	82.3	47.2	7.64	7.64
1333977	6.5	58.5	20.5	< 0.05	576	0.84	0.2	67	219	3.61	26.3	17.6	61	1.62	712	2.20	1.10	0.75	41	16.1	3.10	0.98	1.39
1333978	7.8	160	44.8	< 0.05	1300	2.79	0.5	45	273	1.19	47.3	40.8	171	3.60	971	4.14	1.84	1.23	118	42.7	5.29	3.32	2.49
1333979	10.0	88.9	21.4	< 0.05	1120	1.49	0.3	43	236	0.89	14.6	29.4	93	2.47	789	1.95	1.05	0.68	65	24.6	2.57	1.76	1.08
1333980	5.5	15.6	3.2	< 0.05	189	0.16	0.2	15	105	0.45	31.5	4.7	4	0.55	110	1.50	0.62	0.71	6	9.6	3.06	0.38	0.35
1333981	5.0	283	74.4	0.10	1990	3.81	0.4	82	271	2.92	155	93.2	371	8.04	778	14.4	6.79	5.35	156	69.5	20.6	4.69	4.94
1333982	6.7	260	48.0	< 0.05	2110	3.64	0.6	128	243	2.51	301	83.1	208	6.95	1520	36.4	16.4	16.0	149	63.4	60.8	3.64	3.37
1333984	1.9	14.4	3.0	< 0.05	308	0.12	0.2	21	113	0.48	14.0	3.2	3	0.59	145	0.69	0.27	0.40	4	6.4	1.48	< 0.05	0.35
1333985	6.0	131	37.5	< 0.05	2340	1.73	0.2	68	198	1.06	142	108	182	3.16	1420	15.6	7.71	5.59	81	30.1	23.0	1.68	1.28
1333986	3.5	150	25.7	< 0.05	1830	2.13	0.3	87	178	0.68	88.5	28.8	130	3.52	245	5.55	2.59	2.26	103	43.6	9.07	2.87	1.85
1333987	16.1	201	66.3	< 0.05	2200	3.71	0.6	56	207	0.87	90.9	56.4	267	5.24	776	9.18	4.22	2.99	146	51.5	12.3	3.21	3.34
1333988	6.3	209	44.3	< 0.05	2110	3.56	0.4	145	215	0.70	88.3	54.0	184	4.14	583	8.15	3.90	2.61	149	60.0	11.3	3.07	2.44
1333989	4.5	306	78.7	< 0.05	2920	6.50	0.8	137	191	1.00	478	73.7	331	7.24	409	42.4	20.4	13.3	206	83.2	60.9	4.88	4.59
1333990	4.7	238	40.6	< 0.05	3070	4.60	0.5	252	211	0.68	330	69.5	200	5.69	588	43.8	21.4	14.7	170	69.8	57.7	3.86	2.79
1333991	7.3	300	80.5	< 0.05	2140	5.40	0.9	123	219	0.99	253	67.5	329	6.89	588	16.2	7.35	5.23	209	75.7	23.2	4.59	4.05
1333992	15.8	294	64.6	< 0.05	2750	5.28	0.8	152	249	1.18	180	66.7	329	7.35	702	14.6	6.75	4.35	220	76.8	19.6	5.94	3.75
1333993	3.7	236	57.7	< 0.05	1360	4.03	0.6	168	175	0.41	1270	96.1	234	5.01	513	51.9	23.5	15.5	159	58.6	83.8	4.26	3.00
1333994	7.2	320	61.6	< 0.05	2940	6.17	0.9	120	218	1.25	296	64.2	354	8.29	535	34.9	18.0	10.5	208	78.6	46.9	5.97	4.43
1333995	7.4	388	83.3	< 0.05	2530	8.95	1.3	192	222	0.98	739	72.9	416	9.93	1400	53.5	27.5	17.8	239	95.4	81.5	6.72	6.64
1333996	3.5	184	34.2	< 0.05	765	3.03	0.5	132	181	0.61	1050	47.7	117	3.53	384	37.8	18.6	14.4	119	52.5	74.4	0.31	2.44
1333997	6.0	228	34.6	< 0.05	1840	4.12	0.8	111	223	0.75	189	59.7	183	5.13	1750	9.87	4.98	3.79	178	69.0	16.4	4.68	2.82
1333998	13.0	201	65.8	< 0.05	1160	4.00	1.2	68	219	1.02	141	53.3	245	5.45	1470	8.15	3.67	2.61	136	52.6	11.8	3.86	3.90
1333999	13.0	363	88.6	0.14	1590	15.0	2.4	162	165	1.25	1880	109	437	9.71	3260	93.0	39.8	25.0	244	88.5	136	6.08	6.92
1334000	2.6	136	25.3	< 0.05	2270	2.37	0.3	106	216	0.89	229	57.3	94	3.15	1630	29.3	12.9	11.6	82	37.4	44.3	1.19	2.80
3839037	6.8	94.2	16.6	0.33	1160	1.88	0.5	199	201	1.93	285	157	90	2.81	833	147	82.1	51.1	58	20.6	204	1.12	3.61
1333960	2.6	115	21.2	< 0.05	936	0.82	0.2	67	287	3.29	37.5	29.6	120	3.76	513	3.55	1.90	1.39	73	27.8	5.62	2.36	2.58

Results

Activation Laboratories Ltd.

Report: A22-09154

Analyte Symbol	Hg	Ho	I	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.05	0.01	1	0.1	5	0.01	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
3838651	0.91	0.65	165	< 0.1	17	13.4	24.7	0.21	18	4170	7	3.6	15.7	237	23.1	< 0.5	3.87	< 0.5	91.5	< 0.01	< 0.05	2.4	22.2
3838652	0.93	0.80	95	< 0.1	19	17.6	38.4	0.25	27	1900	6	3.8	20.0	226	15.0	< 0.5	5.18	< 0.5	109	< 0.01	< 0.05	2.2	30.0
3838653	1.03	0.76	160	< 0.1	13	22.6	16.8	0.23	19	7160	8	2.3	25.1	296	8.8	< 0.5	5.77	1.0	29.6	< 0.01	< 0.05	2.3	14.9
3838654	0.91	0.25	156	< 0.1	14	4.88	16.4	0.11	21	1280	12	2.5	5.54	150	8.2	< 0.5	1.26	< 0.5	36.3	0.02	< 0.05	1.6	10.5
3838655	1.05	1.56	138	< 0.1	48	34.9	2.4	0.57	7	3890	7	2.5	48.8	270	10.4	< 0.5	11.0	< 0.5	35.7	0.01	< 0.05	1.0	14.3
3838656	2.17	68.8	188	0.2	31	803	102	18.5	54	4900	6	7.4	1470	763	79.3	< 0.5	309	< 0.5	177	0.22	< 0.05	3.1	93.2
3838657	2.11	16.0	80	< 0.1	18	321	17.1	5.62	18	2530	5	4.0	421	188	36.3	< 0.5	93.7	< 0.5	47.2	0.05	< 0.05	1.0	38.6
3838658	0.87	1.11	104	< 0.1	19	21.4	26.1	0.49	34	4070	5	3.5	27.1	204	25.3	< 0.5	6.07	< 0.5	78.5	< 0.01	< 0.05	1.7	23.0
3838659	1.07	4.50	100	< 0.1	13	63.3	16.5	1.94	36	25000	7	2.8	98.7	221	30.0	< 0.5	21.2	< 0.5	39.8	0.02	< 0.05	1.4	25.8
3838660	0.28	6.41	90	0.1	45	93.0	61.6	2.01	47	3300	6	5.6	160	172	98.0	< 0.5	33.8	< 0.5	115	0.02	< 0.05	2.0	57.4
3838661	0.34	4.28	73	0.2	26	639	50.3	0.87	45	2350	10	5.6	303	118	78.0	< 0.5	85.0	< 0.5	121	< 0.01	< 0.05	2.1	41.1
3838662	0.74	3.38	74	< 0.1	20	118	19.9	0.99	36	1160	11	2.7	123	95.2	31.0	< 0.5	30.2	< 0.5	64.8	< 0.01	< 0.05	1.1	22.4
3838663	0.64	1.79	50	< 0.1	36	92.8	23.4	0.46	24	1780	10	4.8	84.6	69.5	34.5	< 0.5	21.9	< 0.5	43.5	< 0.01	< 0.05	1.1	16.2
3838664	0.71	1.43	69	< 0.1	24	64.2	31.1	0.32	41	9010	20	6.7	60.7	95.7	124	< 0.5	16.0	< 0.5	62.7	< 0.01	< 0.05	2.0	25.5
3838665	0.57	3.00	68	0.2	37	99.3	56.5	0.83	49	5660	9	7.9	106	166	125	< 0.5	26.1	< 0.5	92.6	< 0.01	< 0.05	2.2	52.1
3838666	0.62	0.37	133	< 0.1	12	8.10	22.2	0.14	29	5330	6	2.7	8.91	90.9	11.7	< 0.5	2.14	< 0.5	65.6	< 0.01	< 0.05	1.4	13.5
3838667	0.50	0.72	61	0.2	27	22.0	52.2	0.27	43	2120	5	5.5	18.5	153	32.2	< 0.5	4.88	< 0.5	110	< 0.01	< 0.05	2.4	60.3
3838668	0.41	1.67	53	0.2	48	40.0	65.6	0.59	45	3450	10	9.7	43.9	180	60.3	< 0.5	10.5	< 0.5	96.9	< 0.01	< 0.05	2.9	63.4
3838669	1.23	3.29	127	< 0.1	9	66.8	15.5	1.11	31	81200	9	2.9	85.5	228	14.3	< 0.5	19.2	< 0.5	33.7	0.03	< 0.05	1.9	22.3
3838670	0.75	2.77	49	0.3	24	158	47.8	0.69	26	2590	10	6.6	120	119	307	< 0.5	32.9	< 0.5	92.0	< 0.01	< 0.05	1.6	49.5
3838671	0.69	6.83	65	< 0.1	18	481	34.3	1.28	40	743	7	8.6	418	120	119	< 0.5	115	< 0.5	76.5	0.02	< 0.05	2.1	39.7
3838672	0.43	4.93	76	0.2	24	253	41.1	1.50	27	1370	8	9.5	217	101	316	< 0.5	56.3	< 0.5	92.9	0.02	< 0.05	2.5	52.1
3838673	0.42	2.47	61	0.2	36	119	56.2	0.65	40	1050	13	11.1	116	147	166	< 0.5	28.7	< 0.5	92.4	< 0.01	< 0.05	1.8	40.1
3838674	0.54	1.30	58	< 0.1	27	49.4	37.0	0.37	32	3850	7	9.0	55.8	87.2	63.6	< 0.5	13.7	< 0.5	76.2	< 0.01	< 0.05	1.9	26.1
3838675	0.57	3.23	53	0.2	33	243	43.2	0.93	21	938	5	10.0	179	121	493	< 0.5	48.4	< 0.5	89.3	0.01	< 0.05	2.1	43.5
3838676	0.37	1.40	41	0.1	58	64.9	21.0	0.44	16	2510	4	5.1	58.0	60.8	175	< 0.5	15.2	< 0.5	60.8	< 0.01	< 0.05	1.2	21.9
3838677	0.48	1.73	73	0.1	27	64.2	44.2	0.57	32	946	9	8.6	76.8	122	116	< 0.5	18.0	< 0.5	76.3	0.01	< 0.05	2.6	30.4
3838678	0.51	2.98	61	0.1	39	185	32.6	0.80	19	49800	6	6.2	146	120	249	< 0.5	38.9	< 0.5	90.7	< 0.01	< 0.05	1.6	37.3
3838679	0.31	4.57	62	< 0.1	19	208	25.3	1.37	15	7580	5	4.4	240	96.7	223	< 0.5	58.3	< 0.5	82.4	0.02	< 0.05	1.2	26.9
3838680	0.53	2.67	63	< 0.1	22	96.4	24.5	0.82	27	1930	11	7.1	128	136	174	< 0.5	29.3	< 0.5	63.5	< 0.01	< 0.05	1.9	25.3
3838681	0.43	2.92	43	0.1	15	168	23.7	0.74	20	10400	6	4.9	154	104	147	< 0.5	38.6	< 0.5	68.3	< 0.01	< 0.05	1.2	30.1
3838682	0.47	6.86	47	0.2	22	276	33.8	1.94	23	3070	8	8.7	324	123	300	< 0.5	83.3	< 0.5	73.4	0.03	< 0.05	2.1	55.3
3838683	0.35	0.90	103	< 0.1	19	46.0	46.5	0.29	39	1470	11	8.6	49.6	127	39.5	< 0.5	12.0	< 0.5	92.7	< 0.01	< 0.05	1.7	25.4
3838684	0.53	2.24	80	0.1	13	106	40.1	0.65	41	7800	9	10.1	119	142	79.4	< 0.5	27.8	< 0.5	66.5	0.01	< 0.05	2.1	28.2
3838685	0.50	4.43	103	0.2	14	189	43.5	1.20	45	958	8	13.4	199	155	474	< 0.5	47.9	< 0.5	94.7	< 0.01	< 0.05	2.9	40.9
3838686	0.27	7.80	54	0.3	21	601	64.1	1.70	25	1320	6	10.2	558	146	357	< 0.5	145	< 0.5	120	0.02	< 0.05	2.1	45.7
3838687	0.28	5.07	33	< 0.1	35	417	11.9	1.36	22	2400	6	3.4	354	45.4	131	< 0.5	95.5	< 0.5	31.9	0.01	< 0.05	0.8	18.3
3838688	0.27	5.97	34	0.2	19	511	34.1	1.53	25	3830	5	6.5	375	108	224	< 0.5	102	< 0.5	79.6	0.01	< 0.05	1.1	48.0
3838689	0.31	16.0	38	0.3	69	970	38.2	4.11	22	1900	4	9.0	976	170	343	< 0.5	252	< 0.5	112	0.04	< 0.05	1.9	64.1
3838690	0.38	1.45	38	0.1	18	35.7	38.9	0.36	39	1170	6	6.3	39.4	139	63.7	< 0.5	8.75	< 0.5	62.2	< 0.01	< 0.05	1.5	33.2
3838691	0.47	0.33	49	< 0.1	14	12.1	29.2	0.10	31	940	3	4.9	10.7	101	22.7	< 0.5	2.67	< 0.5	59.8	< 0.01	< 0.05	1.4	20.4
3838692	0.54	7.54	83	0.3	22	315	76.7	1.08	65	4220	7	9.0	325	148	55.8	< 0.5	76.0	< 0.5	99.1	< 0.01	< 0.05	2.7	102
3838693	0.55	2.43	24	< 0.1	22	31.8	14.6	0.60	31	4790	3	1.8	56.7	67.2	16.5	< 0.5	12.0	< 0.5	24.5	0.01	< 0.05	0.4	16.5
3838694	0.56	2.23	49	< 0.1	21	32.7	37.6	0.64	30	4750	2	3.0	52.1	62.1	18.9	< 0.5	11.4	< 0.5	50.1	< 0.01	< 0.05	0.9	29.3
3838695	0.50	2.31	39	0.1	25	73.8	54.7	0.49	45	2250	3	5.8	81.6	123	31.2	< 0.5	19.3	< 0.5	79.2	< 0.01	< 0.05	1.3	44.9
3838696	0.20	1.74	39	0.1	21	57.3	45.6	0.49	35	3390	3	4.8	61.8	65.0	23.8	< 0.5	15.4	< 0.5	59.5	< 0.01	< 0.05	1.0	31.6
3838697	0.57	6.60	48	0.4	45	292	82.0	1.53	58	4760	7	14.8	232	252	153	< 0.5	60.8	< 0.5	144	0.03	< 0.05	3.5	127
3838698	0.88	4.97	78	0.1	30	137	49.2	1.29	41	1710	7	5.6	157	294	22.9	< 0.5	37.2	< 0.5	92.0	< 0.01	< 0.05	1.9	45.6
3838699	1.03	1.79	66	0.2	20	129	63.6	0.51	46	2210	7	8.1	80.0	245	25.2	< 0.5	20.9	< 0.5	94.6	< 0.01	< 0.05	3.2	50.7
3838700	0.81	1.68	54	0.2	44	50.2	74.8	0.55	43	3640	10	8.7	58.7	215	47.0	< 0.5	13.6	< 0.5	158	0.01	< 0.05	2.3	49.6

Results

Activation Laboratories Ltd.

Report: A22-09154

Analyte Symbol	Hg	Ho	I	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.05	0.01	1	0.1	5	0.01	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
3839001	0.39	0.34	32	0.1	31	19.0	54.1	0.12	38	1880	7	7.2	14.4	97.5	22.2	< 0.5	3.76	< 0.5	78.4	< 0.01	< 0.05	1.3	25.8
3839002	0.15	5.55	35	< 0.1	24	213	24.0	1.73	33	5090	5	4.6	184	184	92.0	< 0.5	46.8	< 0.5	47.4	0.02	< 0.05	1.0	44.3
3839003	0.63	2.64	57	0.1	25	71.4	43.9	0.76	38	5840	6	7.1	109	161	31.2	< 0.5	24.2	< 0.5	71.2	< 0.01	< 0.05	1.3	28.3
3839004	0.38	1.07	27	< 0.1	19	39.6	31.5	0.26	27	1780	5	6.0	47.3	73.3	64.5	< 0.5	11.8	< 0.5	66.4	< 0.01	< 0.05	1.1	23.1
3839005	0.73	0.77	52	0.1	22	29.8	31.1	0.20	25	5730	9	6.1	23.8	129	24.2	< 0.5	6.10	< 0.5	64.7	< 0.01	< 0.05	1.7	27.2
3839006	0.30	2.34	23	< 0.1	16	242	16.1	0.51	29	1440	6	4.0	183	76.9	19.7	< 0.5	50.0	< 0.5	57.6	0.01	< 0.05	0.7	16.5
3839007	0.75	5.68	42	< 0.1	19	575	28.8	1.13	43	7350	8	7.6	349	230	42.2	< 0.5	101	< 0.5	91.4	< 0.01	< 0.05	1.6	39.8
3839008	0.51	3.23	40	0.2	29	228	42.3	0.83	42	2350	5	9.5	172	150	37.1	< 0.5	47.4	< 0.5	119	< 0.01	< 0.05	1.2	38.7
3839009	0.71	1.71	44	0.1	25	138	46.1	0.59	44	1770	4	6.5	108	58.7	18.3	< 0.5	27.6	6.2	67.7	< 0.01	< 0.05	0.9	30.0
3839010	0.46	2.16	48	0.1	24	157	43.0	0.65	45	1900	4	6.0	130	59.2	18.5	< 0.5	33.2	< 0.5	59.9	< 0.01	< 0.05	1.1	27.1
3839011	0.29	4.33	36	0.1	15	339	24.7	1.22	29	2310	7	4.1	228	59.2	45.4	< 0.5	65.2	< 0.5	76.9	0.02	< 0.05	0.5	35.9
3839012	0.49	1.01	39	0.1	24	26.8	31.0	0.31	36	2510	5	4.3	28.9	72.5	28.1	< 0.5	6.56	< 0.5	64.5	< 0.01	< 0.05	0.8	23.8
3839013	0.54	0.85	54	< 0.1	22	30.1	43.9	0.22	46	3340	5	6.7	28.7	69.7	28.8	< 0.5	6.59	< 0.5	53.0	< 0.01	< 0.05	1.1	25.5
3839014	0.89	3.16	31	< 0.1	16	221	22.3	0.91	40	3950	4	4.8	160	211	23.9	< 0.5	43.2	< 0.5	45.6	0.01	< 0.05	1.2	25.8
3839015	0.56	0.62	45	0.2	31	21.0	57.7	0.22	33	1400	8	8.1	17.1	170	35.6	< 0.5	4.49	< 0.5	132	< 0.01	< 0.05	2.2	43.6
3839016	1.79	10.1	162	0.2	30	270	81.4	2.85	44	7990	8	6.6	320	157	71.6	0.7	74.4	< 0.5	125	0.03	< 0.05	1.9	62.0
3839017	0.45	0.25	38	< 0.1	11	12.2	8.6	0.09	36	539	8	1.3	11.4	40.6	8.0	< 0.5	2.62	< 0.5	28.6	< 0.01	< 0.05	0.6	7.2
3839018	1.19	1.16	59	0.3	30	49.0	49.6	0.38	48	1740	10	10.4	42.6	238	40.4	< 0.5	10.5	< 0.5	154	< 0.01	< 0.05	2.1	44.2
3839019	0.56	4.25	82	0.3	33	259	83.6	1.02	63	1740	9	16.5	163	239	178	< 0.5	43.5	< 0.5	181	0.01	< 0.05	3.4	65.0
3839020	0.11	4.42	42	0.2	25	409	38.3	0.88	19	3040	5	9.6	308	67.4	248	< 0.5	82.9	< 0.5	72.1	0.02	< 0.05	1.5	30.8
3839021	0.20	6.43	42	0.4	39	267	65.6	1.71	39	4770	5	10.1	296	126	196	< 0.5	73.4	< 0.5	166	0.01	< 0.05	1.7	88.4
3839022	0.51	0.53	66	0.2	31	18.0	50.5	0.18	42	817	9	8.1	17.2	109	31.1	< 0.5	4.12	< 0.5	147	< 0.01	< 0.05	1.9	37.4
3839023	0.25	3.24	31	0.5	32	301	69.6	0.84	23	4000	12	11.1	146	157	390	< 0.5	43.9	< 0.5	183	< 0.01	< 0.05	2.1	62.6
3839024	0.41	2.02	40	0.1	30	68.9	46.9	0.50	29	1970	7	6.5	63.4	165	92.2	< 0.5	16.1	< 0.5	160	0.01	< 0.05	1.7	37.3
3839025	0.52	0.48	72	0.2	19	23.3	36.7	0.16	36	1040	7	6.3	20.0	93.4	21.6	< 0.5	5.22	< 0.5	90.6	< 0.01	< 0.05	1.4	22.8
3839026	0.41	0.31	31	< 0.1	17	13.5	21.9	0.08	33	1350	6	4.7	12.3	60.3	13.4	< 0.5	2.97	< 0.5	49.8	< 0.01	< 0.05	1.0	12.3
3839027	0.57	4.18	41	0.1	20	129	50.6	1.06	33	1920	6	7.3	180	159	184	< 0.5	41.9	< 0.5	91.2	0.01	< 0.05	1.8	36.6
3839028	0.52	0.40	36	< 0.1	22	21.4	2.4	0.11	2	1070	3	1.8	23.2	18.9	27.6	< 0.5	6.09	< 0.5	46.3	< 0.01	< 0.05	0.2	4.0
3839029	0.55	2.29	77	< 0.1	22	65.5	22.4	0.61	18	1020	9	3.2	82.2	51.7	78.8	< 0.5	20.3	< 0.5	62.6	< 0.01	< 0.05	1.0	26.6
3839030	0.42	5.28	58	0.1	19	234	36.1	1.48	30	2810	5	5.1	200	147	113	< 0.5	53.0	< 0.5	64.5	0.02	< 0.05	1.4	50.9
3839031	0.44	3.55	56	< 0.1	13	124	18.6	1.04	25	1700	3	3.4	127	122	48.0	< 0.5	32.1	< 0.5	38.8	0.01	< 0.05	0.9	30.8
3839032	0.73	7.19	47	< 0.1	18	249	31.9	1.50	37	3090	4	4.1	283	199	22.5	< 0.5	68.8	< 0.5	52.7	0.02	< 0.05	1.2	43.9
3839033	0.30	5.91	41	< 0.1	15	249	16.9	1.72	19	1670	3	2.7	243	105	226	< 0.5	61.9	< 0.5	30.4	0.02	< 0.05	0.9	30.9
3839034	0.28	6.73	34	< 0.1	12	336	18.8	1.67	26	2570	3	3.1	306	123	130	< 0.5	78.3	< 0.5	34.1	0.01	< 0.05	0.8	37.8
3839035	0.39	5.89	42	0.1	15	178	25.0	2.29	46	2610	4	4.3	169	216	65.5	< 0.5	41.3	< 0.5	44.1	0.02	< 0.05	1.4	33.9
3839036	0.50	3.81	53	< 0.1	17	127	16.3	0.89	32	2960	6	1.9	149	132	24.6	< 0.5	36.0	< 0.5	34.9	< 0.01	< 0.05	1.0	22.5
3839039	0.30	6.42	29	< 0.1	8	269	15.5	1.30	33	1300	6	3.8	254	143	137	< 0.5	67.6	< 0.5	69.2	0.02	< 0.05	1.6	32.3
1333935	0.62	3.29	60	< 0.1	10	207	16.2	0.71	37	3800	7	3.2	139	193	37.2	< 0.5	37.1	1.1	30.0	0.02	< 0.05	1.3	30.3
1333936	0.45	0.67	45	< 0.1	19	32.0	2.4	0.22	4	372	5	3.4	33.3	19.6	24.7	< 0.5	8.90	< 0.5	66.2	< 0.01	< 0.05	0.2	9.6
1333937	0.31	2.70	49	0.1	17	121	39.3	0.62	50	3030	10	6.0	103	230	56.6	< 0.5	25.9	< 0.5	78.2	0.01	< 0.05	2.0	41.8
1333938	0.68	0.79	53	< 0.1	18	50.2	4.1	0.21	8	5800	5	1.9	51.1	22.7	23.4	< 0.5	13.1	< 0.5	37.9	< 0.01	< 0.05	0.3	8.9
1333939	0.28	4.08	73	0.1	10	220	17.0	1.15	20	7740	5	4.1	184	145	314	< 0.5	48.9	< 0.5	71.6	0.02	< 0.05	1.2	41.5
1333940	0.26	5.88	55	< 0.1	12	317	26.8	1.52	33	1280	5	4.9	255	211	145	< 0.5	66.4	< 0.5	64.2	0.02	< 0.05	1.7	51.8
1333941	1.45	11.6	72	< 0.1	14	408	37.1	2.98	44	5570	3	3.2	405	342	16.6	< 0.5	99.9	< 0.5	51.8	0.03	< 0.05	1.4	56.6
1333942	0.40	4.52	74	< 0.1	13	123	27.5	1.18	33	3120	5	3.6	149	191	59.1	< 0.5	36.2	< 0.5	46.6	0.02	< 0.05	1.0	46.8
1333943	1.46	6.33	73	0.1	19	169	46.8	1.69	51	2040	3	3.9	182	218	15.5	< 0.5	43.6	< 0.5	83.2	0.01	< 0.05	1.2	63.7
1333944	1.44	10.2	53	0.1	24	255	55.6	2.77	52	981	4	4.0	294	348	19.9	< 0.5	70.9	< 0.5	84.0	0.03	< 0.05	1.3	67.0
1333945	0.43	0.53	48	0.1	15	14.9	32.5	0.24	33	835	6	3.8	16.2	117	8.9	< 0.5	4.03	< 0.5	75.6	< 0.01	< 0.05	1.5	32.0
1333946	1.08	2.43	69	< 0.1	12	63.3	23.3	0.81	29	5810	6	2.0	73.9	302	5.9	< 0.5	17.7	< 0.5	41.8	< 0.01	< 0.05	1.6	24.6
1333947	0.40	0.52	46	0.1	12	17.8	45.0	0.22	41	618	8	4.0	18.3	120	12.4	< 0.5	4.46	< 0.5	60.4	< 0.01	< 0.05	1.4	34.5

Results

Activation Laboratories Ltd.

Report: A22-09154

Analyte Symbol	Hg	Ho	I	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.05	0.01	1	0.1	5	0.01	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1333956	1.24	1.79	48	0.2	15	50.0	69.5	0.55	51	1000	11	6.2	59.0	241	108	< 0.5	14.5	< 0.5	90.5	< 0.01	< 0.05	2.2	46.8
1333958	0.53	0.94	51	0.1	11	30.1	36.9	0.30	37	6570	9	3.8	34.1	117	18.6	< 0.5	8.32	< 0.5	64.2	< 0.01	< 0.05	1.4	32.9
1333959	0.43	0.70	39	0.2	17	19.5	61.1	0.27	53	1140	9	5.9	21.9	168	27.9	< 0.5	5.21	< 0.5	95.3	< 0.01	< 0.05	1.7	52.0
1333961	0.84	1.48	104	< 0.1	16	30.2	44.5	0.55	43	5070	5	3.6	38.0	182	8.2	< 0.5	8.66	< 0.5	76.1	0.02	< 0.05	2.5	33.1
1333963	1.73	3.06	235	< 0.1	17	54.7	37.2	1.11	49	24000	7	3.6	71.5	446	8.4	< 0.5	16.4	< 0.5	54.6	0.02	< 0.05	3.3	32.6
1333964	0.77	2.63	91	0.2	31	51.0	104	0.90	56	1890	5	9.2	65.2	283	24.7	< 0.5	15.6	< 0.5	164	< 0.01	< 0.05	3.1	81.3
1333965	0.77	1.53	83	0.2	23	36.3	61.3	0.56	53	1160	5	5.2	43.5	239	13.5	< 0.5	10.4	< 0.5	87.9	< 0.01	< 0.05	2.4	50.5
1333966	1.08	1.76	182	< 0.1	13	31.4	24.5	0.61	37	5590	5	2.9	41.7	455	8.2	< 0.5	9.79	< 0.5	44.6	0.02	< 0.05	3.7	20.0
1333967	0.93	1.25	135	< 0.1	18	20.4	23.7	0.47	34	3300	4	2.5	33.8	322	5.6	< 0.5	6.40	< 0.5	36.8	< 0.01	< 0.05	2.4	16.3
1333968	1.28	2.34	113	< 0.1	18	40.9	49.9	0.77	45	2460	4	4.3	54.7	375	11.6	< 0.5	12.6	< 0.5	84.9	0.02	< 0.05	2.8	32.2
1333969	0.63	1.42	67	0.1	18	32.3	41.5	0.47	41	1120	4	4.0	39.9	200	16.5	< 0.5	9.45	< 0.5	60.3	< 0.01	< 0.05	1.9	27.3
1333970	0.82	1.69	95	< 0.1	14	35.5	40.6	0.49	35	5840	5	3.6	45.6	234	9.7	< 0.5	10.6	< 0.5	75.3	< 0.01	< 0.05	1.9	23.1
1333971	1.02	2.28	106	< 0.1	7	35.3	7.3	0.68	24	1350	6	0.7	50.1	655	7.3	< 0.5	11.8	< 0.5	15.9	0.03	< 0.05	6.1	7.4
1333972	0.27	0.03	23	< 0.1	6	1.21	3.7	0.01	7	297	3	0.3	1.14	73.3	2.5	< 0.5	0.28	< 0.5	31.3	< 0.01	< 0.05	1.8	0.8
1333973	0.51	3.42	83	< 0.1	8	50.2	14.0	1.05	22	4790	6	1.8	68.8	301	12.9	< 0.5	16.2	< 0.5	46.7	0.03	< 0.05	3.3	13.9
1333974	0.53	1.42	57	< 0.1	15	25.6	35.7	0.46	32	1960	6	3.4	37.3	165	12.2	< 0.5	8.50	< 0.5	57.2	< 0.01	< 0.05	1.9	31.5
1333975	0.84	1.49	143	< 0.1	10	29.5	25.4	0.38	22	3240	6	3.1	37.1	193	11.3	< 0.5	8.68	< 0.5	45.5	0.01	< 0.05	2.0	18.3
1333976	0.86	5.58	73	0.3	41	162	119	1.36	58	2570	8	12.0	171	408	114	< 0.5	43.7	< 0.5	192	0.02	< 0.05	3.5	108
1333977	0.50	0.43	48	< 0.1	18	12.5	16.6	0.14	21	3000	5	3.0	14.9	90.0	15.0	< 0.5	3.70	< 0.5	36.2	< 0.01	< 0.05	0.8	13.0
1333978	0.84	0.71	46	0.1	14	21.7	42.8	0.19	42	1100	5	5.7	18.1	191	41.8	< 0.5	4.49	< 0.5	54.8	< 0.01	< 0.05	1.6	31.1
1333979	0.60	0.36	54	< 0.1	15	9.13	25.5	0.12	35	2250	4	3.6	9.22	106	19.6	< 0.5	2.32	< 0.5	43.4	< 0.01	< 0.05	1.2	15.1
1333980	0.24	0.22	14	< 0.1	38	15.7	1.0	0.05	6	173	< 2	1.0	18.4	12.0	8.4	< 0.5	4.65	< 0.5	54.0	< 0.01	< 0.05	0.3	1.2
1333981	0.47	2.67	40	0.2	60	64.9	64.8	0.67	47	3450	8	6.7	89.0	238	80.3	< 0.5	21.3	< 0.5	178	0.01	< 0.05	2.4	67.6
1333982	0.91	6.42	50	0.2	27	217	56.3	1.46	44	2040	8	8.7	341	216	159	< 0.5	78.7	< 0.5	110	0.02	< 0.05	2.1	50.3
1333984	0.16	0.11	18	< 0.1	18	8.31	2.3	0.04	3	168	< 2	0.9	8.88	11.3	7.6	< 0.5	2.21	< 0.5	49.2	< 0.01	< 0.05	0.2	1.4
1333985	0.49	2.90	39	< 0.1	20	69.7	27.2	0.79	43	889	5	3.3	91.1	320	69.5	< 0.5	20.6	< 0.5	48.2	< 0.01	< 0.05	0.8	27.2
1333986	0.32	1.01	31	0.1	28	41.4	32.6	0.24	38	686	7	4.9	45.0	70.4	72.7	< 0.5	11.2	< 0.5	60.2	< 0.01	< 0.05	1.0	30.2
1333987	0.52	1.63	42	0.2	39	54.9	53.5	0.37	53	1090	4	7.1	50.3	167	43.8	< 0.5	12.5	< 0.5	92.6	< 0.01	< 0.05	2.0	47.7
1333988	0.68	1.49	98	0.1	39	40.1	48.6	0.38	59	1980	5	5.9	43.4	163	33.1	< 0.5	10.3	< 0.5	72.6	< 0.01	< 0.05	1.7	38.9
1333989	0.76	8.11	62	0.2	41	183	86.8	2.13	54	3040	5	8.9	230	213	81.8	< 0.5	54.4	< 0.5	135	0.02	< 0.05	2.4	87.4
1333990	0.90	8.29	78	0.2	41	176	54.2	2.13	56	5540	5	6.6	219	162	68.6	< 0.5	51.0	< 0.5	135	0.02	< 0.05	1.9	67.9
1333991	0.61	2.95	65	0.2	49	114	76.5	0.71	65	2430	10	10.7	98.4	173	73.9	< 0.5	25.7	< 0.5	127	0.01	< 0.05	2.4	68.2
1333992	0.77	2.57	62	0.2	39	97.0	80.0	0.62	65	3270	7	10.2	79.6	201	59.4	< 0.5	21.6	< 0.5	131	< 0.01	< 0.05	2.6	65.7
1333993	0.31	9.27	47	0.2	33	604	48.1	2.51	51	2180	7	8.2	384	176	171	< 0.5	115	< 0.5	94.2	0.02	< 0.05	1.9	80.1
1333994	0.54	6.74	56	0.2	45	188	67.9	2.08	58	2010	9	11.0	194	210	111	< 0.5	47.6	< 0.5	142	0.01	< 0.05	2.6	87.6
1333995	0.73	10.2	81	0.3	46	531	74.9	2.86	68	2620	8	13.3	378	290	239	< 0.5	101	< 0.5	143	0.03	< 0.05	3.3	133
1333996	0.54	7.08	77	< 0.1	30	642	40.7	1.96	51	3520	5	6.9	448	79.8	39.5	< 0.5	132	< 0.5	88.7	0.02	< 0.05	1.3	46.7
1333997	0.59	1.84	77	0.2	39	114	54.0	0.51	65	5510	12	8.2	79.2	134	31.8	< 0.5	22.1	< 0.5	100	< 0.01	< 0.05	1.7	48.6
1333998	0.42	1.45	52	0.2	32	60.8	45.4	0.39	43	1800	9	10.8	48.8	157	74.4	< 0.5	12.6	< 0.5	89.7	< 0.01	< 0.05	2.5	44.0
1333999	0.28	16.5	64	0.4	26	1040	79.9	3.33	40	1700	12	22.2	585	299	521	< 0.5	175	< 0.5	146	0.04	< 0.05	4.8	231
1334000	0.37	5.23	44	0.1	26	122	37.6	1.20	43	4480	8	5.2	207	125	83.7	< 0.5	46.2	< 0.5	82.2	0.01	< 0.05	1.1	36.7
3839037	1.13	30.2	74	< 0.1	16	306	24.7	8.69	22	26000	3	2.6	684	155	287	< 0.5	137	< 0.5	77.5	0.10	< 0.05	1.4	88.6
1333960	0.36	0.73	38	0.1	12	22.0	37.3	0.27	35	775	7	3.9	25.8	98.5	27.3	< 0.5	6.22	< 0.5	67.8	< 0.01	< 0.05	1.1	29.4

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Ti	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
3838651	6	3.67	490	0.23	0.66	< 1	9.61	0.4	0.22	16.4	185	1.46	16.5	1.30	174	82.0
3838652	4	4.61	518	0.27	0.85	< 1	13.5	0.6	0.28	10.3	216	2.13	15.3	1.71	187	99.5
3838653	5	5.13	442	0.17	0.74	< 1	5.99	0.2	0.22	5.88	138	1.28	20.6	1.37	99	42.2
3838654	3	1.28	478	0.16	0.19	< 1	3.27	0.2	0.10	2.63	121	1.17	6.97	0.59	121	36.9
3838655	2	10.4	172	0.08	1.39	< 1	8.65	0.2	0.60	7.38	59	1.49	43.8	3.82	67	107
3838656	10	384	507	0.71	62.4	< 1	30.5	1.2	21.9	42.9	344	2.51	2010	119	309	187
3838657	8	97.1	318	0.23	14.2	< 1	19.1	0.3	5.62	18.2	97	1.58	526	33.5	81	144
3838658	2	6.39	406	0.23	1.01	< 1	13.9	0.4	0.42	8.04	169	1.15	35.3	2.94	156	76.2
3838659	2	23.7	517	0.19	3.57	< 1	12.0	0.2	1.80	7.96	128	1.32	146	10.7	158	91.0
3838660	2	38.2	544	0.35	5.84	< 1	19.2	0.8	2.15	8.52	248	1.33	185	12.8	424	130
3838661	16	43.9	705	0.34	5.58	< 1	9.76	0.6	1.18	6.61	312	1.43	138	6.07	1620	72.7
3838662	1	23.5	525	0.19	3.30	< 1	9.22	0.3	1.06	6.37	156	1.00	117	5.82	141	39.8
3838663	5	14.8	583	0.27	1.82	< 1	8.19	0.3	0.59	5.91	205	1.23	59.5	3.24	199	66.3
3838664	4	10.8	534	0.39	1.58	< 1	10.9	0.5	0.42	7.36	242	1.54	39.1	2.21	463	114
3838665	2	20.3	470	0.49	2.98	< 1	19.5	0.7	1.01	6.27	376	1.66	88.1	5.84	334	110
3838666	3	2.17	434	0.20	0.34	< 1	4.76	0.3	0.15	4.68	114	1.13	10.1	0.82	156	59.4
3838667	1	4.53	460	0.35	0.74	< 1	23.6	0.7	0.30	11.5	282	1.36	16.6	1.83	203	144
3838668	< 1	9.91	462	0.63	1.67	< 1	46.1	0.7	0.59	10.7	389	2.62	40.3	3.79	302	192
3838669	4	19.4	388	0.20	2.82	< 1	10.3	0.3	1.16	17.3	124	1.28	107	6.75	106	63.8
3838670	4	20.5	363	0.38	2.90	< 1	29.5	0.5	0.95	6.62	297	1.54	86.4	5.38	215	92.0
3838671	7	61.9	751	0.56	7.99	< 1	29.6	0.6	1.89	8.06	274	2.01	220	9.53	156	84.8
3838672	7	39.1	421	0.59	4.86	< 1	29.4	0.6	1.72	8.13	321	1.92	143	10.1	227	137
3838673	1	21.7	577	0.60	2.62	< 1	23.0	0.7	0.79	5.58	357	1.92	74.4	4.68	274	126
3838674	< 1	10.2	994	0.44	1.35	< 1	24.0	0.5	0.45	4.89	275	1.83	38.7	2.50	196	77.7
3838675	2	27.6	302	0.53	3.59	< 1	40.2	0.5	1.13	7.54	336	1.70	103	6.29	189	89.9
3838676	1	10.6	220	0.26	1.51	< 1	14.7	0.3	0.49	3.68	186	1.04	37.7	2.90	104	48.2
3838677	1	13.8	685	0.44	1.77	< 1	21.6	0.5	0.58	4.73	285	1.99	53.1	3.43	180	79.8
3838678	2	25.9	335	0.39	3.35	< 1	25.2	0.5	1.01	8.93	244	1.41	81.8	5.41	273	118
3838679	< 1	41.2	369	0.27	4.75	< 1	12.0	0.4	1.62	4.85	212	1.00	142	9.55	107	61.5
3838680	2	22.1	571	0.46	2.62	< 1	15.3	0.4	0.92	5.57	198	1.56	80.2	5.47	126	65.8
3838681	4	27.8	549	0.30	3.43	< 1	19.3	0.4	0.93	8.24	183	0.96	78.9	5.14	134	71.6
3838682	< 1	59.1	389	0.53	7.19	< 1	27.2	0.5	2.28	8.67	262	1.66	204	13.3	294	106
3838683	2	8.84	1070	0.53	0.98	< 1	8.93	0.7	0.29	3.20	292	1.88	27.6	1.82	216	86.0
3838684	3	21.5	1190	0.55	2.42	< 1	17.6	0.5	0.71	6.51	273	1.61	64.2	4.36	196	135
3838685	3	35.3	811	0.85	4.42	< 1	29.9	0.7	1.47	8.02	340	2.13	141	8.44	427	134
3838686	5	91.5	344	0.61	9.76	< 1	25.8	0.7	2.29	9.22	394	1.95	235	12.3	327	160
3838687	3	54.0	343	0.17	6.15	< 1	17.3	< 0.2	1.61	5.36	129	0.45	160	9.09	95	64.9
3838688	8	59.8	223	0.33	6.94	< 1	24.6	0.4	1.93	6.76	286	1.10	186	10.3	200	96.7
3838689	2	164	263	0.60	18.2	< 1	41.6	0.6	5.03	12.6	333	2.02	477	27.8	179	199
3838690	1	8.60	608	0.41	1.36	< 1	9.49	0.5	0.46	4.37	274	1.69	44.2	2.58	236	64.8
3838691	3	2.17	802	0.32	0.29	< 1	6.84	0.5	0.13	2.27	255	1.66	8.48	0.73	216	54.9
3838692	1	59.6	764	0.47	8.81	1	19.9	0.7	1.86	14.6	551	2.15	270	8.70	393	119
3838693	< 1	14.8	483	0.09	2.29	< 1	3.35	< 0.2	0.76	3.03	94	0.29	73.2	4.10	80	19.8
3838694	1	12.2	434	0.14	2.14	< 1	6.73	0.3	0.73	5.90	181	0.65	64.8	4.10	148	44.4
3838695	1	17.3	772	0.32	2.59	< 1	13.5	0.5	0.74	6.17	307	3.38	72.0	3.78	232	75.9
3838696	< 1	12.6	526	0.25	1.85	< 1	11.0	0.4	0.54	4.30	222	0.98	51.1	3.01	223	49.5
3838697	2	43.0	665	0.98	6.79	< 1	36.1	1.1	2.02	8.61	733	4.65	204	11.0	613	158
3838698	7	35.7	487	0.36	5.28	< 1	18.7	0.6	1.59	9.59	280	1.69	130	9.28	180	120
3838699	7	15.1	874	0.55	1.99	< 1	23.9	0.8	0.64	7.35	359	1.89	46.8	3.47	210	140
3838700	3	12.1	709	0.57	1.64	< 1	14.3	0.9	0.60	6.04	397	2.05	44.9	3.39	677	120

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Ti	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
3839001	2	2.74	756	0.37	0.34	< 1	13.3	0.5	0.13	2.54	283	2.07	10.9	0.84	216	59.5
3839002	2	37.7	328	0.28	5.37	< 1	14.1	0.4	1.98	4.20	184	1.16	176	11.2	145	60.1
3839003	< 1	22.3	657	0.38	2.67	< 1	17.0	0.6	0.93	5.25	294	3.44	83.9	5.09	314	120
3839004	2	9.75	484	0.34	1.24	< 1	13.8	0.5	0.36	4.76	220	1.46	29.8	2.00	206	75.2
3839005	4	4.85	897	0.41	0.77	< 1	12.0	0.6	0.27	3.85	236	2.15	21.0	1.42	306	70.2
3839006	2	26.3	500	0.17	2.94	< 1	29.2	0.3	0.66	6.35	174	1.07	76.2	3.51	163	39.8
3839007	< 1	55.2	536	0.42	7.53	< 1	82.0	0.6	1.64	16.2	257	1.71	155	8.58	293	89.7
3839008	< 1	28.2	543	0.42	3.80	3	73.7	0.7	1.05	13.6	341	2.87	95.2	5.75	308	79.5
3839009	3	17.3	675	0.28	1.90	< 1	33.4	0.4	0.58	11.5	226	2.28	54.6	3.12	228	54.2
3839010	3	21.7	680	0.25	2.37	< 1	33.5	0.4	0.69	12.4	211	2.22	67.8	3.75	222	50.0
3839011	< 1	37.5	328	0.22	4.84	< 1	66.3	0.4	1.47	10.0	155	2.58	131	8.04	148	44.9
3839012	2	6.28	583	0.26	0.94	< 1	6.95	0.3	0.33	2.90	202	1.04	31.8	2.02	305	41.6
3839013	3	5.22	1000	0.27	0.77	< 1	7.73	0.4	0.26	3.55	296	1.22	27.9	1.61	329	44.4
3839014	6	26.4	688	0.21	3.32	1	27.3	0.4	1.07	6.92	225	2.27	88.9	6.08	237	59.9
3839015	4	3.57	583	0.55	0.55	< 1	25.4	0.8	0.21	3.49	358	2.65	14.9	1.47	210	111
3839016	3	69.7	1400	0.42	9.62	2	20.5	1.2	3.23	25.8	336	11.6	348	17.7	506	133
3839017	4	2.39	870	0.08	0.25	< 1	3.49	< 0.2	0.10	2.67	79	1.62	7.03	0.54	362	20.6
3839018	4	7.95	560	0.62	1.12	2	20.1	1.1	0.44	6.51	397	3.09	31.0	2.41	32000	102
3839019	6	30.3	811	1.06	4.44	< 1	33.1	1.1	1.29	9.29	491	2.73	128	7.16	532	180
3839020	< 1	48.7	421	0.42	5.83	< 1	18.4	0.4	1.18	7.04	234	1.08	132	6.20	275	126
3839021	1	54.6	562	0.56	6.87	< 1	35.2	0.8	2.10	5.63	547	1.42	188	11.7	498	132
3839022	3	3.57	535	0.55	0.50	< 1	7.69	0.7	0.20	3.00	349	1.56	12.9	1.21	238	96.4
3839023	3	24.5	217	0.67	3.73	< 1	23.6	1.0	1.00	7.07	495	1.68	104	5.95	349	140
3839024	< 1	13.9	404	0.42	2.07	< 1	14.5	0.7	0.61	4.59	300	1.23	65.0	3.36	219	75.1
3839025	2	4.15	792	0.39	0.50	< 1	7.18	0.5	0.16	2.36	275	1.16	15.3	1.10	190	56.1
3839026	2	2.64	553	0.31	0.31	< 1	4.98	0.3	0.11	1.87	160	0.94	8.44	0.56	128	40.0
3839027	< 1	35.9	661	0.45	4.52	< 1	14.6	0.6	1.36	5.09	272	1.23	125	7.35	172	97.0
3839028	< 1	4.30	201	0.08	0.46	< 1	3.10	< 0.2	0.15	4.05	34	0.42	11.1	0.80	48	44.7
3839029	2	16.9	415	0.18	2.31	< 1	17.0	0.3	0.77	6.25	126	0.60	61.2	4.23	120	98.7
3839030	< 1	39.4	588	0.29	5.52	< 1	33.5	0.4	1.64	13.1	183	0.56	152	9.87	146	144
3839031	< 1	25.6	492	0.21	3.55	< 1	22.5	0.3	1.24	8.18	119	0.77	103	7.10	82	99.8
3839032	< 1	56.3	683	0.26	7.59	< 1	25.8	0.5	2.12	10.8	181	0.74	212	10.6	105	119
3839033	< 1	45.5	452	0.18	6.09	< 1	26.2	0.3	1.99	9.33	99	0.32	175	11.5	70	108
3839034	< 1	54.8	587	0.18	7.19	< 1	29.3	0.3	2.17	8.46	119	0.40	205	11.8	94	104
3839035	< 1	35.2	818	0.25	5.37	< 1	17.7	0.4	2.17	7.02	183	1.00	196	13.0	119	95.2
3839036	2	31.1	677	0.12	4.05	< 1	11.3	< 0.2	1.09	10.4	96	0.47	119	5.84	108	62.5
3839039	4	50.8	730	0.25	7.25	< 1	14.5	0.3	1.77	6.74	152	0.99	187	9.18	72	63.0
1333935	6	25.6	641	0.20	3.56	< 1	22.9	0.2	0.98	9.75	131	1.60	92.1	5.26	88	99.7
1333936	< 1	6.53	410	0.06	0.74	< 1	8.26	< 0.2	0.21	4.32	37	18.7	16.5	1.35	56	86.2
1333937	3	20.1	782	0.34	2.82	< 1	17.9	0.5	0.80	6.04	251	1.15	75.6	4.34	145	94.6
1333938	< 1	8.80	197	0.10	1.01	< 1	4.72	< 0.2	0.27	4.43	71	0.63	22.2	1.60	57	56.2
1333939	< 1	32.6	530	0.19	4.33	< 1	36.9	0.5	1.36	7.72	142	0.79	119	7.88	96	160
1333940	3	47.0	591	0.30	6.36	< 1	44.5	0.4	1.85	10.6	208	1.36	176	10.2	125	144
1333941	9	84.0	728	0.24	11.6	< 1	32.0	0.4	3.64	19.4	153	1.32	330	19.7	136	165
1333942	1	31.3	585	0.24	4.65	< 1	27.0	0.4	1.51	10.3	158	0.89	126	8.42	119	138
1333943	8	41.4	730	0.24	6.20	< 1	29.5	0.6	2.04	10.7	214	1.35	170	11.7	199	163
1333944	6	67.0	735	0.26	9.88	< 1	29.2	0.6	3.36	11.5	202	2.73	297	19.1	193	160
1333945	< 1	3.49	627	0.27	0.48	< 1	11.3	0.5	0.21	3.73	179	1.07	13.6	1.39	132	102
1333946	3	17.2	587	0.14	2.36	< 1	11.6	0.4	0.82	7.10	123	1.18	71.0	5.01	92	93.1
1333947	1	4.05	745	0.28	0.50	< 1	8.09	0.5	0.19	3.80	194	0.99	13.3	1.25	141	104

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Ti	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
1333956	1	12.7	722	0.44	1.70	< 1	14.9	0.7	0.61	5.80	332	1.69	48.6	3.41	246	151
1333958	< 1	6.99	588	0.25	0.99	< 1	14.1	0.5	0.33	5.09	216	1.27	23.5	1.96	118	115
1333959	< 1	4.19	749	0.43	0.64	< 1	9.10	0.8	0.25	3.68	326	1.37	18.5	1.71	199	129
1333961	6	9.02	795	0.26	1.32	< 1	13.4	0.5	0.58	9.22	185	0.93	40.7	3.59	153	121
1333963	6	17.2	818	0.25	2.60	< 1	18.3	0.4	1.17	15.5	191	1.37	85.5	7.05	129	157
1333964	2	16.3	796	0.63	2.46	< 1	29.1	1.2	0.97	13.2	375	1.86	66.8	5.61	295	235
1333965	3	10.3	833	0.34	1.48	< 1	16.9	0.8	0.61	6.85	231	1.06	42.0	3.71	185	148
1333966	6	9.66	783	0.20	1.56	< 1	8.20	0.3	0.66	10.1	124	1.39	53.0	4.04	92	85.3
1333967	5	6.63	865	0.17	1.12	< 1	6.93	0.3	0.53	7.78	106	1.37	38.1	2.92	93	90.6
1333968	5	13.7	827	0.32	2.21	< 1	12.2	0.6	0.90	10.1	194	1.29	64.7	4.96	157	117
1333969	< 1	9.22	736	0.27	1.38	< 1	9.31	0.5	0.52	8.37	172	0.97	40.4	3.19	135	96.7
1333970	2	10.7	707	0.25	1.58	< 1	11.2	0.4	0.59	9.05	165	1.29	45.8	3.44	123	103
1333971	11	11.8	522	0.05	2.03	< 1	4.14	< 0.2	0.80	11.1	54	2.84	68.7	4.72	37	39.1
1333972	1	0.19	163	0.02	0.03	< 1	0.20	< 0.2	< 0.01	1.07	49	0.46	0.95	0.08	14	3.8
1333973	4	17.6	574	0.12	2.96	< 1	8.25	0.3	1.23	9.45	77	1.33	99.2	7.12	67	75.6
1333974	4	8.83	564	0.29	1.37	< 1	13.5	0.4	0.51	5.52	155	1.37	36.0	3.16	119	126
1333975	7	8.79	623	0.23	1.33	< 1	6.71	0.3	0.45	8.75	142	1.49	38.7	2.63	133	65.5
1333976	< 1	37.4	769	0.82	6.21	< 1	43.6	1.3	1.72	11.6	511	2.84	135	9.19	341	267
1333977	5	3.12	333	0.16	0.43	< 1	5.95	0.2	0.15	3.15	127	1.12	10.9	0.93	134	49.2
1333978	5	4.38	602	0.44	0.72	< 1	10.2	0.6	0.25	4.00	291	2.30	20.3	1.35	233	82.5
1333979	4	2.22	572	0.23	0.35	< 1	4.80	0.3	0.14	2.35	172	1.44	11.3	0.81	180	38.6
1333980	1	3.29	539	0.01	0.33	< 1	1.16	< 0.2	0.07	1.53	18	0.66	6.68	0.42	16	17.0
1333981	2	20.2	827	0.44	2.82	< 1	25.2	1.0	0.87	7.53	441	1.58	65.5	4.81	256	162
1333982	5	62.8	620	0.53	7.33	< 1	13.3	0.7	1.94	5.60	366	1.95	204	10.5	366	144
1333984	< 1	1.62	552	0.02	0.14	< 1	1.01	< 0.2	0.04	1.72	12	0.25	3.29	0.23	26	14.2
1333985	2	20.0	696	0.19	2.91	< 1	10.6	0.4	0.96	5.15	199	1.39	84.5	4.99	196	51.0
1333986	2	7.90	436	0.36	1.20	< 1	11.1	0.4	0.32	4.28	242	1.33	28.4	1.81	211	67.3
1333987	3	11.0	599	0.53	1.67	< 1	22.9	0.7	0.51	5.26	363	2.68	42.1	2.77	217	92.6
1333988	4	9.17	626	0.38	1.48	< 1	12.5	0.5	0.49	5.72	332	1.94	42.5	2.78	255	76.7
1333989	< 1	51.3	585	0.61	8.02	< 1	34.3	0.8	2.54	12.2	465	2.66	224	13.4	323	149
1333990	< 1	51.0	599	0.47	7.94	< 1	19.4	0.8	2.62	9.35	396	2.26	235	14.2	323	92.0
1333991	3	20.0	663	0.71	3.10	< 1	29.1	0.9	0.88	9.84	508	3.86	77.8	5.13	351	135
1333992	4	16.2	822	0.65	2.74	< 1	25.7	0.9	0.82	8.36	501	4.00	71.6	4.66	400	125
1333993	5	65.4	409	0.53	9.89	< 1	42.4	0.7	3.00	9.38	403	3.77	245	16.4	280	103
1333994	3	41.5	569	0.71	6.38	< 1	37.7	1.1	2.20	9.96	488	4.47	199	12.7	381	152
1333995	7	69.6	599	0.85	10.1	< 1	79.3	1.3	3.49	15.4	536	4.89	309	19.0	363	236
1333996	4	64.0	514	0.36	7.78	< 1	50.6	0.6	2.22	14.2	322	4.25	208	12.7	240	72.2
1333997	3	13.5	522	0.49	1.97	< 1	30.9	0.7	0.63	6.01	368	4.11	55.5	3.33	333	98.5
1333998	< 1	9.58	648	0.70	1.58	< 1	31.9	0.7	0.48	6.56	358	3.16	39.0	2.66	220	128
1333999	3	101	341	1.49	17.5	< 1	78.9	1.2	4.93	22.9	617	5.04	474	24.6	472	225
1334000	< 1	44.8	521	0.30	5.71	< 1	22.3	0.4	1.50	7.33	185	1.36	151	7.73	167	120
3839037	2	188	346	0.23	26.5	< 1	29.6	0.4	9.42	31.8	139	1.14	971	49.9	980	110
1333960	< 1	5.34	555	0.23	0.68	< 1	8.03	0.5	0.26	4.67	190	1.03	18.5	1.52	144	94.3

Analyte Symbol	Ag	Al	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf
Unit Symbol	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.2	0.5	0.5	0.05	1	0.07	0.1	5	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	1	0.1	0.03	0.05	0.04
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
TILL-2 Meas			70.1	0.31	702	16.9		1390			1010	61.2	81	16.3	3110		43.5	25.0	62				6.26
TILL-2 Cert			26000	2	540000	4000.0		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000
TILL-2 Meas			72.8	0.32	776	19.1		1520			1160	67.7	86	17.0	3280		48.1	28.5	67				6.93
TILL-2 Cert			26000	2	540000	4000.0		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000
TILL-2 Meas			55.5	0.25	602	14.5		1330			917	50.7	66	14.8	2650		37.4	20.9	48				4.85
TILL-2 Cert			26000	2	540000	4000.0		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000
TILL-2 Meas			53.1	0.24	566	13.1		1340			845	47.6	61	14.1	2520		35.6	20.4	45				4.83
TILL-2 Cert			26000	2	540000	4000.0		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000
TILL-2 Meas			52.3	0.26	611	13.6		1280			982	48.7	59	15.1	2510		38.1	22.4	47				5.36
TILL-2 Cert			26000	2	540000	4000.0		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000
TILL-2 Meas			54.7	0.24	555	12.2		1230			861	44.8	56	14.7	2370		35.3	20.2	44				5.11
TILL-2 Cert			26000	2	540000	4000.0		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000
TILL-2 Meas			59.7	0.23	617	14.0		1260			896	46.5	63	16.7	2380		35.0	20.3	49				5.08
TILL-2 Cert			26000	2	540000	4000.0		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000
TILL-2 Meas			57.1	0.26	587	16.9		1390			1060	53.9	65	15.4	2700		41.0	24.0	51				5.37
TILL-2 Cert			26000	2	540000	4000.0		12200.0			98000	15000	74000	12000	150000		3700.0	1000.0	38400.00				11000
3838665 Orig	7.7	290	46.9	< 0.05	1750	4.14	0.6	114	223	1.23	198	83.2	178	5.54	670	15.5	7.80	5.44	165	79.6	22.6	5.69	3.24
3838665 Dup	7.6	276	42.7	< 0.05	1680	4.00	0.5	117	220	1.18	193	78.1	163	5.18	671	15.9	7.87	5.46	156	72.8	22.8	4.84	3.16
3838680 Orig	29.9	124	33.6	0.41	1050	1.27	0.3	49	223	1.45	189	56.8	115	2.97	1300	14.2	7.29	5.94	71	25.5	23.4	2.24	1.74
3838680 Dup	29.0	150	37.4	0.39	1240	1.79	0.5	67	217	1.28	167	58.9	116	3.14	1300	12.7	6.93	5.49	89	31.2	21.6	2.44	2.17
3839007 Orig	10.2	141	30.2	0.13	1350	2.70	0.5	83	202	0.60	1530	69.4	120	3.40	6020	34.9	14.2	12.2	105	34.8	78.3	1.89	2.40
3839007 Dup	10.6	148	31.9	0.12	1430	2.90	0.5	79	202	0.54	1430	68.4	129	3.94	5850	32.3	13.3	11.8	114	41.3	74.7	1.36	2.51
3839022 Orig	2.3	190	44.5	< 0.05	2740	2.33	0.5	82	264	0.80	25.7	37.0	197	6.55	807	2.65	1.39	1.29	124	51.1	3.89	4.39	2.74
3839022 Dup	2.4	174	40.1	< 0.05	2640	2.17	0.5	82	259	0.93	25.4	35.1	177	6.49	860	2.53	1.33	1.24	114	47.8	3.91	3.87	2.43
1333945 Orig	3.1	107	27.9	0.22	1050	1.10	0.2	90	323	1.19	31.5	26.0	135	4.92	683	2.86	1.62	1.00	79	23.7	4.08	2.07	3.27
1333945 Dup	3.1	98.8	26.1	0.18	962	1.08	0.1	77	316	1.04	30.3	23.5	125	4.27	660	2.61	1.51	0.87	74	21.0	3.73	1.70	2.91
1333970 Orig	9.8	98.0	26.3	0.19	1110	1.44	0.2	119	328	2.87	69.5	66.6	118	3.64	1170	8.71	4.53	2.65	71	23.1	12.0	1.42	2.59
1333970 Dup	10.0	87.8	24.3	0.19	1080	1.31	0.2	117	301	2.68	68.2	58.3	110	3.66	1030	8.47	4.33	2.49	68	21.4	11.2	1.58	2.80
1333998 Orig	13.1	215	69.8	< 0.05	1190	4.15	1.2	77	233	1.01	142	57.1	259	5.64	1580	8.40	3.78	2.69	141	54.2	11.9	4.21	3.85
1333998 Dup	13.0	188	61.9	0.05	1130	3.86	1.2	58	206	1.04	139	49.5	232	5.26	1360	7.90	3.56	2.54	130	51.0	11.6	3.51	3.95
Method Blank	< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04
Method Blank	< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04
Method Blank	< 0.2	< 0.5	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 1	< 0.1	< 0.03	< 0.05	< 0.04

Analyte Symbol	Hg	Ho	I	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.05	0.01	1	0.1	5	0.01	0.2	0.01	2	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
TILL-2 Meas	2.19					496	25.0	4.42		17200	99	13.8	505	67.1	1050				291			2.6	69.6
TILL-2 Cert	70.0					44000	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas	1.34					576	28.7	4.83		18700	101	14.2	574	73.0	1200				307			2.6	75.1
TILL-2 Cert	70.0					44000	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas	1.38					467	19.5	3.58		16200	81	9.9	447	57.2	897				271			1.7	60.5
TILL-2 Cert	70.0					44000	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas	1.64					426	18.1	3.40		14800	78	9.4	415	53.7	830				257			1.8	55.4
TILL-2 Cert	70.0					44000	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas	1.81					517	17.7	3.68		15900	81	10.3	475	52.7	952				271			1.9	56.7
TILL-2 Cert	70.0					44000	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas	1.65					448	17.2	3.49		14800	77	9.6	421	53.5	851				259			1.9	51.4
TILL-2 Cert	70.0					44000	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas	1.60					471	22.1	3.43		15500	79	10.8	437	54.3	854				272			2.1	56.3
TILL-2 Cert	70.0					44000	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas	1.72					553	20.0	3.89		18800	79	9.5	511	60.7	976				271			2.2	65.3
TILL-2 Cert	70.0					44000	47000	600.0		780000	14000	20000	36000	32000	31000				143000			800.0	12000
3838665 Orig	0.61	2.98	65	0.2	38	101	59.3	0.84	49	5730	9	8.2	107	170	123	< 0.5	26.3	< 0.5	95.9	< 0.01	< 0.05	2.3	53.8
3838665 Dup	0.54	3.02	72	0.2	36	97.8	53.7	0.83	48	5590	9	7.5	106	163	127	< 0.5	25.9	< 0.5	89.3	< 0.01	< 0.05	2.1	50.5
3838680 Orig	0.48	2.73	65	< 0.1	22	104	23.4	0.83	26	1960	11	6.1	134	132	175	< 0.5	31.0	< 0.5	63.4	0.01	< 0.05	1.7	24.3
3838680 Dup	0.59	2.61	61	0.1	23	88.7	25.7	0.81	27	1900	11	8.0	121	139	174	< 0.5	27.6	< 0.5	63.5	< 0.01	< 0.05	2.0	26.4
3839007 Orig	0.84	5.94	44	< 0.1	18	592	27.0	1.16	43	7490	8	7.4	358	232	41.8	< 0.5	104	< 0.5	86.8	< 0.01	< 0.05	1.6	38.7
3839007 Dup	0.67	5.43	41	0.1	19	558	30.6	1.10	43	7210	8	7.9	340	227	42.6	< 0.5	99.0	< 0.5	96.0	< 0.01	< 0.05	1.7	40.8
3839022 Orig	0.55	0.51	65	0.2	32	18.2	53.2	0.18	43	840	9	8.4	17.5	111	31.8	< 0.5	4.15	< 0.5	153	< 0.01	< 0.05	1.9	39.1
3839022 Dup	0.48	0.55	67	0.1	30	17.9	47.8	0.17	41	794	9	7.8	16.9	106	30.4	< 0.5	4.10	< 0.5	141	< 0.01	< 0.05	2.0	35.8
1333945 Orig	0.46	0.55	50	0.1	16	15.3	34.3	0.24	34	858	6	4.2	16.6	121	9.1	< 0.5	4.12	< 0.5	79.9	< 0.01	< 0.05	1.5	33.1
1333945 Dup	0.40	0.51	46	0.1	14	14.5	30.6	0.24	32	812	5	3.5	15.9	114	8.7	< 0.5	3.94	< 0.5	71.4	< 0.01	< 0.05	1.5	31.0
1333970 Orig	0.95	1.76	105	0.1	14	35.6	41.9	0.50	37	6080	6	3.6	46.0	251	10.0	< 0.5	10.9	< 0.5	77.1	< 0.01	< 0.05	1.8	25.4
1333970 Dup	0.69	1.63	85	< 0.1	13	35.3	39.2	0.49	33	5600	5	3.7	45.3	217	9.3	< 0.5	10.4	< 0.5	73.5	< 0.01	< 0.05	2.0	20.9
1333998 Orig	0.45	1.45	59	0.2	34	60.9	47.5	0.39	47	1900	10	10.7	49.7	169	75.7	< 0.5	12.8	< 0.5	91.6	< 0.01	< 0.05	2.6	48.6
1333998 Dup	0.38	1.44	45	0.2	30	60.8	43.2	0.40	40	1710	9	10.9	47.9	145	73.1	< 0.5	12.3	< 0.5	87.7	< 0.01	< 0.05	2.4	39.4
Method Blank	< 0.05	< 0.01	1	< 0.1	< 5	< 0.01	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5
Method Blank	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5
Method Blank	< 0.05	< 0.01	< 1	< 0.1	< 5	< 0.01	< 0.2	< 0.01	< 2	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Ti	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS	MIG-MS
TILL-2 Meas		113	179	1.09	17.9		91.4			95.1	88	31.2	474	31.3	681	188
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		129	199	1.13	20.4		101			108	92	30.5	524	35.2	750	195
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		97.8	172	0.78	15.6		73.8			80.4	71	25.0	416	26.4	598	142
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		92.8	160	0.77	14.7		70.8			76.2	67	25.4	391	24.8	554	133
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		103	178	0.82	16.3		78.0			85.7	70	24.6	426	27.2	576	148
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		92.8	168	0.80	14.5		69.0			75.5	66	24.3	388	25.0	559	137
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		94.1	182	0.83	14.6		71.1			75.2	77	24.1	386	25.7	548	133
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		112	176	0.77	17.0		79.0			90.9	75	23.8	454	28.7	630	150
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
3838665 Orig	3	20.3	481	0.52	2.92	< 1	19.7	0.7	1.04	6.43	391	1.72	88.9	5.85	350	111
3838665 Dup	1	20.4	459	0.46	3.04	< 1	19.3	0.7	0.99	6.11	362	1.60	87.4	5.84	318	109
3838680 Orig	2	23.3	578	0.42	2.72	< 1	14.5	0.4	0.95	5.56	196	1.44	83.4	5.57	113	61.1
3838680 Dup	2	20.8	564	0.50	2.52	< 1	16.1	0.5	0.89	5.59	200	1.69	77.1	5.36	139	70.5
3839007 Orig	< 1	57.0	536	0.41	7.80	< 1	80.6	0.5	1.69	16.2	248	1.66	159	8.90	283	89.2
3839007 Dup	< 1	53.4	536	0.43	7.25	< 1	83.5	0.6	1.58	16.1	267	1.75	151	8.25	303	90.1
3839022 Orig	4	3.47	536	0.56	0.51	< 1	7.93	0.8	0.21	3.08	364	1.59	12.3	1.10	246	98.3
3839022 Dup	3	3.66	533	0.54	0.50	< 1	7.45	0.7	0.19	2.91	334	1.54	13.5	1.33	231	94.5
1333945 Orig	< 1	3.53	636	0.28	0.49	< 1	11.6	0.6	0.22	3.80	188	1.13	13.6	1.37	141	106
1333945 Dup	< 1	3.44	619	0.26	0.46	< 1	11.0	0.5	0.20	3.67	170	1.01	13.6	1.42	122	98.9
1333970 Orig	3	10.8	728	0.25	1.60	< 1	10.8	0.4	0.61	9.02	170	1.30	47.3	3.48	130	106
1333970 Dup	2	10.7	687	0.26	1.57	< 1	11.6	0.4	0.56	9.07	159	1.27	44.3	3.40	115	100
1333998 Orig	2	9.97	665	0.69	1.60	< 1	30.9	0.8	0.52	6.46	377	3.18	40.1	2.75	236	130
1333998 Dup	< 1	9.19	631	0.70	1.56	< 1	32.9	0.7	0.44	6.67	340	3.14	37.9	2.57	204	126
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5