



Certificate of Analysis

Work Order: VC122553

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

Date: Oct 16, 2012

P.O. No. : PO# FL-90403-5-YK031
Project No. : -
No. Of Samples : 137
Date Submitted : Aug 31, 2012
Report Comprises : Pages 1 to 17
(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
L838851	0.275	6	<2	2.37	15	<0.5	0.21	173	<5	<1
L838852	0.075	<5	<2	1.60	5	<0.5	0.27	177	<5	<1
L838853	0.190	<5	<2	2.34	7	<0.5	0.22	131	<5	<1
L838854	0.315	<5	<2	2.49	8	0.7	0.43	187	<5	<1
L838855	0.330	<5	<2	2.33	<3	0.5	0.40	206	<5	<1
L838856	0.195	<5	<2	2.16	3	0.7	1.20	177	<5	<1
L838857	0.380	<5	<2	2.25	4	0.5	0.63	189	<5	<1
L838858	0.230	<5	<2	2.03	5	<0.5	0.52	194	<5	<1
L838859	0.120	<5	<2	1.61	<3	<0.5	0.38	158	<5	<1
L838860	0.145	<5	<2	2.34	3	<0.5	0.29	164	<5	<1
L838861	0.230	5	<2	1.81	<3	<0.5	0.27	101	<5	<1
L838862	0.295	7	<2	1.75	10	<0.5	0.24	100	<5	<1
L838863	0.190	<5	<2	1.69	<3	<0.5	0.27	111	<5	<1
L838864	0.280	<5	<2	2.45	4	0.7	0.31	146	<5	<1
L838865	0.385	<5	<2	3.03	<3	0.9	0.43	192	<5	<1
L838866	0.205	6	<2	1.54	11	<0.5	0.20	122	<5	<1
L838867	0.260	<5	<2	1.59	<3	<0.5	0.21	104	<5	<1
L838868	0.270	<5	<2	1.90	7	<0.5	0.22	142	<5	<1
L838869	0.225	<5	<2	3.22	17	0.7	0.24	182	<5	<1
L838870	0.265	<5	<2	3.82	<3	1.4	0.37	215	<5	<1
L838871	0.135	<5	<2	1.13	5	<0.5	0.25	143	<5	<1
L838872	0.345	<5	<2	2.37	5	0.5	0.33	186	<5	<1
L838873	0.260	<5	<2	1.88	6	<0.5	0.22	121	<5	<1
L838874	0.205	<5	<2	2.05	7	0.6	0.35	191	<5	<1
L838875	0.245	5	<2	1.83	<3	<0.5	0.19	138	<5	<1
L838876	0.310	<5	<2	2.72	<3	0.8	0.28	235	<5	<1
L838877	0.280	6	<2	2.22	<3	<0.5	0.25	196	<5	<1
L838878	0.360	9	<2	2.25	5	0.5	0.36	172	<5	<1
L838879	0.425	<5	<2	1.95	3	<0.5	0.29	117	<5	<1
L838880	0.250	<5	<2	2.10	7	0.6	0.98	241	<5	<1
L838882	0.230	<5	<2	2.08	6	0.6	1.20	206	<5	<1
L838883	0.435	<5	<2	2.54	<3	0.7	0.49	218	<5	<1
L838884	0.275	5	<2	2.38	8	<0.5	0.45	159	<5	<1
L838885	0.360	<5	<2	2.10	4	<0.5	0.60	177	<5	<1
L838886	0.415	<5	<2	2.05	<3	0.5	0.62	157	<5	<1
L838887	0.250	<5	<2	2.30	8	<0.5	0.28	158	<5	<1
L838888	0.435	14	<2	2.48	3	0.5	0.42	170	<5	<1
L838889	0.290	<5	<2	2.22	10	<0.5	0.29	130	<5	<1
L838890	0.375	6	<2	2.76	8	0.7	0.36	179	<5	<1
L838891	0.435	<5	<2	2.86	<3	0.6	0.45	147	<5	<1
L838892	0.375	<5	<2	2.39	8	<0.5	0.45	198	<5	<1
L838893	0.365	<5	<2	2.71	8	0.6	0.36	200	<5	<1
L838894	0.270	<5	<2	2.19	4	0.6	0.33	171	<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
L838895	0.325	<5	<2	3.07	9	0.6	0.30	147	<5	<1
L838896	0.340	<5	<2	2.75	12	0.6	0.46	190	<5	<1
L838897	0.370	5	<2	3.01	11	<0.5	0.26	178	<5	<1
L838898	0.350	<5	<2	3.73	<3	0.8	0.27	182	<5	<1
L838899	0.110	11	<2	1.38	<3	<0.5	0.51	105	<5	<1
L838901	0.290	9	<2	3.22	8	0.6	0.29	188	<5	<1
L838902	0.325	7	<2	2.79	4	0.6	0.31	191	<5	<1
L838903	0.350	<5	<2	3.13	13	0.7	0.36	159	<5	<1
L838904	0.240	<5	<2	1.90	<3	<0.5	0.25	126	<5	<1
L838905	0.305	6	<2	2.13	4	0.6	0.48	161	<5	<1
L838906	0.230	5	<2	2.12	8	0.7	1.30	202	<5	<1
L838907	0.335	7	<2	2.05	4	0.7	1.00	178	<5	<1
L838908	0.275	<5	<2	2.20	9	<0.5	0.61	155	<5	<1
L838909	0.240	<5	<2	2.17	<3	0.6	0.75	191	<5	<1
L838910	0.180	6	<2	2.29	7	0.6	0.64	190	<5	<1
L838911	0.205	<5	<2	1.77	<3	<0.5	0.51	152	<5	<1
L838912	0.310	6	<2	2.44	<3	0.5	0.70	230	<5	<1
L838913	0.300	<5	<2	2.54	6	<0.5	0.27	129	<5	<1
L838914	0.295	<5	<2	2.34	6	<0.5	0.34	123	<5	<1
L838915	0.425	7	<2	2.23	10	0.6	0.47	174	<5	<1
L838916	0.230	7	<2	2.36	4	<0.5	0.55	172	<5	<1
L838917	0.250	<5	<2	2.12	6	<0.5	0.40	160	<5	<1
L838918	0.205	9	<2	2.06	9	<0.5	1.04	202	<5	<1
L838919	0.405	<5	<2	2.60	4	0.8	0.91	259	<5	<1
L838920	0.305	<5	<2	2.60	7	0.6	0.40	190	<5	<1
L838921	0.250	<5	<2	2.52	<3	<0.5	0.46	171	<5	<1
L838922	0.305	8	<2	3.45	6	0.7	0.29	207	<5	<1
L838923	0.435	<5	<2	3.59	4	1.1	0.60	116	<5	<1
L838924	0.320	20	<2	2.90	5	<0.5	0.26	161	<5	<1
L838926	0.320	17	<2	1.95	<3	0.5	0.46	224	<5	<1
L838927	0.445	<5	<2	1.88	4	<0.5	0.78	267	<5	<1
L838928	0.805	<5	<2	2.61	<3	0.8	0.65	194	<5	<1
L838929	0.395	<5	<2	2.11	9	<0.5	0.55	186	<5	<1
L838930	0.260	7	<2	1.94	3	<0.5	0.82	196	<5	<1
L838931	0.265	<5	<2	1.98	<3	<0.5	0.98	223	<5	<1
L838933	0.245	9	<2	1.76	<3	<0.5	0.47	139	<5	<1
L838934	0.485	8	<2	2.20	5	0.6	0.91	213	<5	<1
L838935	0.340	<5	<2	2.09	<3	<0.5	0.55	146	<5	<1
L838936	0.650	<5	<2	2.40	<3	0.5	0.62	127	<5	<1
L838938	0.285	<5	<2	0.86	6	<0.5	0.13	40	<5	<1
L838939	0.120	7	<2	0.69	<3	<0.5	0.15	43	<5	<1
L838940	0.300	<5	<2	2.52	<3	0.7	0.67	92	<5	<1
L838941	0.305	<5	<2	2.26	<3	0.6	0.50	163	<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
L838942	0.410	<5	<2	2.92	<3	0.9	0.56	169	<5	<1
L838943	0.365	7	<2	2.53	<3	0.6	0.69	222	<5	<1
L838944	0.390	<5	<2	2.80	<3	0.6	0.50	170	<5	<1
L838945	0.420	<5	<2	3.19	<3	1.0	0.57	202	<5	<1
L838946	0.300	<5	<2	2.33	<3	<0.5	0.51	153	<5	<1
L838947	0.390	6	<2	2.44	<3	0.6	0.51	147	<5	<1
L838948	0.150	10	<2	1.81	<3	<0.5	0.37	108	<5	<1
L838949	0.300	6	<2	2.57	3	0.7	0.59	169	<5	<1
L838950	0.340	<5	<2	2.58	6	0.7	0.61	180	<5	<1
L838951	0.320	<5	<2	3.34	11	0.6	0.31	184	<5	<1
L838952	0.235	<5	<2	3.38	4	0.6	0.25	174	<5	<1
L838953	0.335	<5	<2	3.02	3	0.7	0.35	176	<5	<1
L838954	0.275	<5	<2	3.26	<3	0.9	0.39	197	<5	<1
L838955	0.285	9	<2	2.94	<3	0.8	0.69	212	<5	<1
L838956	0.345	6	<2	2.59	7	0.8	0.80	220	<5	<1
L838957	0.445	7	<2	2.53	3	0.9	0.80	257	<5	<1
L838958	0.385	<5	<2	2.22	<3	0.7	0.95	175	<5	<1
L838959	0.270	<5	<2	2.74	<3	0.5	0.53	178	<5	<1
L838960	0.255	<5	<2	3.03	4	0.6	0.39	196	<5	<1
L838961	0.275	<5	<2	2.44	6	0.6	0.59	179	<5	<1
L838962	0.260	<5	<2	2.62	<3	<0.5	0.43	206	<5	<1
L838963	0.320	<5	<2	2.32	7	0.6	0.37	116	<5	<1
L838964	0.410	<5	<2	2.09	10	0.5	0.30	181	<5	<1
L838965	0.400	8	<2	2.72	9	0.6	0.36	205	<5	<1
L838966	0.350	<5	<2	3.14	<3	0.9	0.52	168	<5	<1
L838967	0.300	<5	<2	2.69	8	0.6	0.35	208	<5	<1
L838968	0.305	<5	<2	2.12	5	<0.5	0.48	192	<5	<1
L838969	0.360	7	<2	2.42	5	0.7	0.63	205	<5	<1
L838970	0.335	<5	<2	2.80	<3	0.7	0.73	183	<5	<1
L838971	0.295	<5	<2	3.00	4	0.7	0.44	129	<5	<1
L838972	0.285	<5	<2	2.95	11	0.6	0.42	103	<5	<1
L838973	0.385	6	<2	2.19	7	0.5	0.48	152	<5	<1
L838974	0.290	<5	<2	4.00	<3	1.5	0.84	304	<5	<1
L838975	0.425	5	<2	2.07	<3	<0.5	0.50	141	<5	<1
L838976	0.500	<5	<2	2.18	<3	0.6	0.60	188	<5	<1
L838977	0.405	<5	<2	2.25	<3	0.6	0.97	193	<5	<1
L838979	0.330	10	<2	1.18	4	<0.5	0.18	87	<5	<1
L838980	0.370	6	<2	2.62	<3	0.8	0.71	219	<5	<1
L838981	0.495	<5	<2	1.97	6	<0.5	0.52	162	<5	<1
L838982	0.600	<5	<2	3.15	<3	1.2	0.86	182	<5	<1
L838983	0.410	6	<2	2.29	5	<0.5	0.53	121	<5	<1
L838984	0.555	<5	<2	2.19	<3	0.8	0.62	153	<5	<1
L838985	0.310	<5	<2	1.83	7	<0.5	0.40	116	<5	<1

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Element	WtKg	Au	Ag	Al	As	Be	Ca	Ba	Bi	Cd
Method	WGH79	FAA313	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B
Det.Lim.	0.001	5	2	0.01	3	0.5	0.01	5	5	1
Units	kg	ppb	ppm	%	ppm	ppm	%	ppm	ppm	ppm
L838988	0.335	7	<2	2.17	7	<0.5	0.58	188	<5	<1
L838989	0.385	5	<2	2.07	6	0.6	0.53	184	<5	<1
L838990	0.410	<5	<2	2.19	10	0.6	0.65	222	<5	<1
L838991	0.400	8	<2	2.18	<3	1.0	0.95	194	<5	<1
L838992	0.410	10	<2	2.34	4	0.6	0.52	182	<5	<1
L838994	0.650	<5	<2	2.16	3	0.7	0.77	193	<5	<1
L838995	0.365	6	<2	1.92	<3	<0.5	0.57	152	<5	<1
L838996	0.485	6	<2	2.12	4	0.5	0.53	118	<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
L838851	14	42	21.1	3.53	<1	0.06	11.3	15	0.59	338
L838852	8	27	16.3	2.21	<1	0.06	9.7	10	0.37	211
L838853	12	40	17.8	3.95	<1	0.08	8.2	18	0.68	282
L838854	14	47	27.3	3.66	<1	0.07	13.4	21	0.87	338
L838855	18	42	20.1	3.22	<1	0.06	12.8	19	0.70	846
L838856	15	45	24.7	3.20	<1	0.24	13.7	23	0.97	505
L838857	13	45	20.1	3.31	<1	0.08	10.2	22	0.79	285
L838858	13	36	18.3	2.95	<1	0.07	13.1	16	0.71	657
L838859	8	29	15.6	2.17	<1	0.05	8.6	10	0.47	282
L838860	16	46	19.6	3.03	<1	0.05	8.9	16	0.75	270
L838861	9	34	15.7	2.60	<1	0.04	8.3	12	0.61	268
L838862	9	35	13.2	3.02	<1	0.05	7.2	11	0.56	214
L838863	8	30	11.7	3.14	<1	0.07	13.9	14	0.49	202
L838864	12	35	22.8	2.89	<1	0.12	29.0	20	0.63	201
L838865	18	47	23.3	4.42	<1	0.62	11.2	32	1.35	473
L838866	6	29	11.5	2.87	<1	0.04	9.2	10	0.37	182
L838867	6	32	20.3	3.21	<1	0.04	9.1	10	0.35	158
L838868	8	38	12.5	4.07	<1	0.05	11.2	15	0.52	235
L838869	13	45	16.1	4.52	<1	0.06	11.0	20	0.56	341
L838870	22	89	31.4	5.03	<1	0.78	7.3	36	1.93	451
L838871	6	19	20.1	1.84	<1	0.05	8.2	7	0.29	175
L838872	13	37	17.9	3.42	<1	0.06	11.7	17	0.78	443
L838873	10	30	19.1	3.08	<1	0.06	8.6	15	0.62	210
L838874	17	37	27.5	3.34	<1	0.07	19.5	15	0.62	750
L838875	13	30	11.8	3.15	<1	0.08	9.0	13	0.49	813
L838876	22	39	26.5	3.80	<1	0.06	20.1	21	0.59	1620
L838877	12	37	16.3	3.47	<1	0.06	9.9	14	0.57	423
L838878	13	39	19.2	3.59	<1	0.24	9.5	20	0.89	284
L838879	11	37	14.2	3.31	<1	0.08	8.6	15	0.70	231
L838880	15	48	25.7	3.35	<1	0.07	10.4	20	0.82	469
L838882	10	45	28.3	2.85	<1	0.13	21.0	20	0.81	288
L838883	20	53	29.2	3.88	<1	0.10	15.6	27	0.82	1730
L838884	13	47	23.5	3.76	<1	0.14	11.0	22	0.82	452
L838885	13	42	23.3	3.05	<1	0.06	9.0	22	0.69	437
L838886	18	42	25.8	2.93	<1	0.06	12.0	18	0.78	931
L838887	12	41	19.7	3.71	<1	0.05	7.5	18	0.58	207
L838888	14	46	27.6	3.13	<1	0.06	17.6	19	0.83	297
L838889	11	39	22.9	2.86	<1	0.05	9.5	16	0.59	224
L838890	14	44	27.2	3.38	<1	0.06	13.4	20	0.79	316
L838891	16	52	23.0	3.87	<1	0.09	10.3	25	0.94	343
L838892	12	41	24.9	2.99	<1	0.07	13.1	18	0.73	301
L838893	13	43	17.0	4.00	<1	0.07	10.1	21	0.76	314
L838894	14	35	16.2	3.01	<1	0.04	8.7	15	0.47	297

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L838895	13	46	20.1	3.78	<1	0.05	10.4	20	0.74	292
L838896	15	45	16.8	4.31	<1	0.07	10.3	28	0.81	395
L838897	10	45	17.5	3.99	2	0.06	11.8	16	0.53	192
L838898	14	47	23.2	4.07	<1	0.07	13.8	18	0.68	290
L838899	6	30	31.3	1.73	<1	0.08	9.2	9	0.41	140
L838901	15	46	23.4	3.68	<1	0.10	11.3	17	0.76	382
L838902	14	45	20.9	3.50	<1	0.08	11.0	18	0.73	346
L838903	20	52	27.5	4.23	<1	0.34	14.8	29	1.21	505
L838904	10	33	13.2	3.48	<1	0.08	9.2	12	0.47	496
L838905	16	41	20.9	3.35	<1	0.14	13.2	26	0.91	323
L838906	16	46	33.3	3.12	<1	0.14	24.6	22	0.83	546
L838907	16	57	27.1	3.31	<1	0.24	13.6	22	0.89	463
L838908	12	48	19.6	3.13	<1	0.11	10.4	20	0.81	267
L838909	13	49	25.0	3.14	<1	0.08	16.3	19	0.79	391
L838910	13	41	26.3	3.26	<1	0.11	22.7	20	0.67	463
L838911	9	30	25.8	2.24	<1	0.07	19.1	12	0.43	292
L838912	18	47	23.7	2.95	<1	0.07	13.1	20	0.76	616
L838913	11	41	18.8	3.64	<1	0.04	6.5	19	0.64	229
L838914	11	41	15.7	3.02	<1	0.06	9.7	17	0.67	226
L838915	11	48	24.1	2.83	<1	0.04	12.4	17	0.79	260
L838916	20	39	22.1	3.04	<1	0.05	11.6	22	0.61	1130
L838917	11	35	20.5	2.99	<1	0.07	11.9	15	0.72	305
L838918	11	37	21.3	2.91	<1	0.08	12.2	18	0.78	343
L838919	16	49	29.1	3.64	<1	0.12	21.9	24	1.06	517
L838920	15	46	23.3	3.36	<1	0.07	13.2	19	0.85	443
L838921	13	39	20.8	3.38	<1	0.06	10.2	21	0.80	302
L838922	17	54	21.0	4.27	<1	0.10	9.7	27	0.96	364
L838923	22	88	39.0	4.83	<1	0.15	13.9	49	1.74	396
L838924	17	48	22.0	4.13	<1	0.08	8.3	25	0.84	397
L838926	15	39	21.4	3.56	<1	0.10	18.9	20	0.79	451
L838927	12	35	21.0	2.63	<1	0.07	14.6	20	0.84	339
L838928	17	58	22.0	3.91	<1	0.26	16.7	33	1.20	387
L838929	12	39	18.1	2.94	<1	0.06	10.1	20	0.78	243
L838930	12	36	25.4	2.70	<1	0.06	15.7	16	0.65	819
L838931	9	35	22.5	2.90	<1	0.05	13.1	15	0.60	289
L838933	10	33	24.8	2.67	<1	0.07	12.4	16	0.63	267
L838934	15	43	22.3	3.11	<1	0.11	24.7	23	0.85	450
L838935	15	46	17.3	3.35	<1	0.14	12.3	20	0.93	517
L838936	14	45	21.2	3.42	<1	0.26	12.8	24	1.01	367
L838938	3	14	18.2	1.46	<1	0.04	4.8	4	0.12	90
L838939	4	16	37.4	1.19	<1	0.05	8.0	3	0.14	68
L838940	14	43	40.3	4.03	<1	0.64	13.0	21	1.25	498
L838941	13	39	26.4	3.12	<1	0.08	13.8	17	0.73	279

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L838942	21	47	26.4	4.67	<1	0.82	10.0	27	1.43	444
L838943	17	55	31.6	3.78	<1	0.39	21.2	22	1.05	450
L838944	17	46	19.9	4.01	<1	0.34	13.0	25	1.02	373
L838945	22	76	32.0	5.04	<1	0.91	13.5	37	1.53	544
L838946	17	49	21.2	3.30	<1	0.13	10.7	19	0.96	340
L838947	15	44	21.4	3.31	<1	0.08	11.2	22	0.90	306
L838948	9	43	21.8	2.70	<1	0.10	9.7	12	0.64	261
L838949	17	44	33.6	3.50	<1	0.21	12.5	19	0.95	408
L838950	18	45	34.4	3.56	<1	0.25	12.8	19	1.00	410
L838951	20	52	28.2	3.82	<1	0.11	13.8	19	0.86	386
L838952	19	56	21.0	4.37	<1	0.10	10.6	24	0.84	583
L838953	15	51	23.4	3.76	<1	0.15	10.2	21	0.91	332
L838954	20	61	34.5	4.34	<1	0.28	22.0	27	1.24	373
L838955	17	58	24.3	4.13	<1	0.18	14.0	29	1.23	349
L838956	17	47	26.3	3.68	<1	0.21	20.7	26	1.00	461
L838957	19	52	32.0	3.67	<1	0.29	21.0	26	1.07	564
L838958	15	46	29.4	3.37	<1	0.16	19.6	23	0.85	432
L838959	22	55	25.0	3.84	<1	0.09	10.0	29	0.82	1380
L838960	20	51	25.1	3.69	<1	0.08	12.5	23	0.81	603
L838961	17	51	24.6	3.24	<1	0.06	11.4	18	0.88	728
L838962	15	43	26.1	2.94	<1	0.05	8.4	16	0.59	916
L838963	11	35	12.7	3.14	<1	0.07	10.8	17	0.65	216
L838964	10	35	23.8	2.82	<1	0.14	48.0	16	0.66	220
L838965	15	43	25.7	3.29	<1	0.11	13.4	16	0.81	353
L838966	22	41	35.5	4.93	<1	1.17	26.1	28	1.37	611
L838967	12	43	27.9	3.23	<1	0.06	14.9	16	0.72	382
L838968	10	33	19.8	2.94	<1	0.11	14.3	15	0.70	322
L838969	14	49	24.8	3.21	<1	0.10	24.5	19	0.89	391
L838970	29	95	41.2	4.05	<1	0.94	6.9	28	1.82	506
L838971	18	42	21.4	3.14	<1	0.07	9.2	23	1.07	258
L838972	22	51	26.9	4.72	<1	0.29	7.4	33	1.19	547
L838973	16	56	33.3	3.01	<1	0.10	13.2	19	0.83	334
L838974	30	60	21.0	5.49	<1	1.98	13.2	46	2.60	815
L838975	12	75	24.0	3.56	<1	0.18	18.9	18	0.74	293
L838976	20	47	46.4	3.24	<1	0.12	23.1	18	0.80	705
L838977	16	38	47.8	3.67	<1	0.15	32.5	21	0.81	412
L838979	5	19	26.5	1.61	<1	0.05	11.6	6	0.25	112
L838980	19	72	27.6	3.88	<1	0.42	14.1	25	1.26	477
L838981	12	37	18.1	3.19	<1	0.08	12.4	18	0.76	319
L838982	25	45	22.3	5.08	<1	0.83	6.2	31	1.85	735
L838983	14	46	18.4	3.36	<1	0.12	8.6	20	1.11	365
L838984	18	32	26.1	3.63	<1	0.47	12.3	20	1.07	362
L838985	9	31	30.6	2.75	<1	0.07	14.6	14	0.55	185

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L838988	10	36	21.5	2.91	<1	0.10	18.3	21	0.75	197
L838989	12	33	34.4	3.12	<1	0.06	20.3	17	0.61	188
L838990	13	41	31.5	3.22	1	0.08	21.1	17	0.69	213
L838991	15	41	37.8	3.24	1	0.07	26.2	19	0.85	282
L838992	14	43	27.8	3.41	<1	0.10	22.6	25	0.87	270
L838994	13	42	21.2	3.07	<1	0.11	14.8	19	0.94	451
L838995	13	41	25.3	2.85	<1	0.19	11.7	17	0.88	347
L838996	12	39	21.2	3.04	1	0.15	10.3	20	0.83	247

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L838851	<1	0.01	23	0.04	8	0.01	<5	4.1	<10	17.0
L838852	<1	0.02	20	0.07	3	0.04	<5	3.3	<10	24.6
L838853	<1	0.02	22	0.03	11	0.01	<5	3.7	<10	19.7
L838854	<1	0.03	31	0.03	3	<0.01	<5	5.5	<10	29.2
L838855	2	0.02	28	0.04	8	0.01	<5	5.1	<10	26.5
L838856	<1	0.02	30	0.06	7	0.04	<5	4.1	<10	44.6
L838857	<1	0.03	29	0.03	4	0.02	<5	4.3	<10	36.9
L838858	<1	0.02	23	0.07	6	0.03	<5	4.2	<10	32.3
L838859	<1	0.02	17	0.05	4	0.04	<5	3.3	<10	27.8
L838860	<1	0.02	28	0.04	3	0.02	<5	5.1	<10	22.9
L838861	<1	0.02	20	0.04	6	0.01	<5	3.5	<10	18.9
L838862	2	0.01	20	0.03	7	<0.01	<5	3.8	<10	17.8
L838863	<1	0.02	17	0.03	13	0.02	<5	3.5	<10	22.4
L838864	<1	0.02	22	0.07	13	0.02	<5	4.4	<10	20.8
L838865	<1	0.02	32	0.06	<2	<0.01	<5	3.7	<10	32.7
L838866	1	0.02	11	0.03	11	0.02	<5	3.0	<10	18.8
L838867	1	0.02	19	0.02	5	0.01	<5	2.9	<10	20.5
L838868	1	0.02	16	0.03	8	0.01	<5	3.7	<10	20.3
L838869	1	0.02	24	0.05	7	0.02	<5	4.8	<10	21.6
L838870	<1	0.01	57	0.02	<2	<0.01	<5	2.9	<10	26.3
L838871	<1	0.02	11	0.05	5	0.02	<5	2.0	<10	19.2
L838872	<1	0.02	27	0.03	5	0.01	<5	4.5	<10	23.4
L838873	<1	0.02	21	0.03	4	0.01	<5	3.0	<10	18.1
L838874	<1	0.02	32	0.05	2	0.03	<5	3.9	<10	26.4
L838875	<1	0.02	14	0.05	9	<0.01	<5	2.7	<10	18.0
L838876	<1	0.02	31	0.04	8	0.01	<5	6.3	<10	24.1
L838877	<1	0.02	20	0.04	10	<0.01	<5	4.3	<10	20.4
L838878	<1	0.02	26	0.05	5	<0.01	<5	5.1	<10	23.5
L838879	<1	0.01	21	0.03	5	<0.01	<5	3.9	<10	23.5
L838880	<1	0.02	32	0.04	5	0.03	<5	4.6	<10	55.5
L838882	<1	0.02	31	0.06	<2	0.06	<5	5.1	<10	59.5
L838883	<1	0.02	42	0.05	3	0.03	<5	5.1	<10	35.2
L838884	<1	0.01	37	0.03	4	0.02	<5	4.6	<10	32.8
L838885	1	0.02	35	0.04	<2	0.02	<5	4.2	<10	36.3
L838886	<1	0.02	29	0.07	<2	0.03	<5	5.0	<10	33.4
L838887	1	0.01	27	0.03	10	0.02	<5	3.3	<10	25.8
L838888	1	0.02	30	0.04	5	<0.01	<5	5.6	<10	29.1
L838889	<1	0.02	29	0.04	3	0.02	<5	4.1	<10	23.4
L838890	<1	0.02	31	0.03	3	<0.01	<5	5.1	<10	27.9
L838891	<1	0.02	29	0.05	4	<0.01	<5	4.2	<10	32.7
L838892	<1	0.02	27	0.05	2	0.01	<5	4.9	<10	28.4
L838893	1	0.01	22	0.03	5	<0.01	<5	3.9	<10	25.8
L838894	1	0.02	23	0.03	6	0.02	<5	3.5	<10	23.7

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L838895	<1	0.02	30	0.03	9	0.01	<5	5.0	<10	22.4
L838896	<1	0.02	26	0.03	14	0.01	<5	4.7	<10	29.1
L838897	<1	0.01	20	0.03	9	0.01	<5	5.0	<10	22.0
L838898	1	0.02	22	0.04	5	0.01	<5	6.4	<10	25.9
L838899	2	0.02	24	0.11	4	0.08	<5	2.9	<10	32.1
L838901	1	0.02	29	0.04	4	<0.01	<5	4.7	<10	26.6
L838902	<1	0.02	30	0.02	<2	<0.01	<5	4.4	<10	25.8
L838903	<1	0.01	45	0.05	6	0.01	<5	4.1	<10	28.1
L838904	1	0.01	15	0.03	6	0.01	<5	3.0	<10	18.2
L838905	<1	0.02	26	0.06	9	<0.01	<5	4.3	<10	27.2
L838906	<1	0.02	44	0.07	3	0.05	<5	5.8	<10	67.5
L838907	<1	0.02	43	0.06	4	0.03	<5	4.6	<10	54.4
L838908	<1	0.02	29	0.02	7	0.01	<5	4.5	<10	36.1
L838909	<1	0.02	30	0.05	<2	0.03	<5	5.3	<10	47.6
L838910	<1	0.02	32	0.05	7	0.04	<5	5.5	<10	46.0
L838911	<1	0.02	20	0.03	<2	0.03	<5	4.7	<10	39.1
L838912	<1	0.02	33	0.05	4	0.03	<5	5.2	<10	42.3
L838913	<1	0.02	22	0.02	<2	0.01	<5	4.1	<10	20.3
L838914	<1	0.01	24	0.04	<2	0.01	<5	4.3	<10	22.8
L838915	<1	0.02	28	0.03	4	<0.01	<5	5.8	<10	31.1
L838916	<1	0.02	25	0.06	2	0.02	<5	5.4	<10	31.6
L838917	<1	0.02	22	0.06	5	0.02	<5	4.4	<10	26.6
L838918	<1	0.02	24	0.06	10	0.05	<5	3.9	<10	41.6
L838919	<1	0.03	36	0.05	8	0.02	<5	6.5	<10	42.9
L838920	<1	0.02	28	0.04	5	<0.01	<5	4.5	<10	28.6
L838921	<1	0.02	26	0.06	6	<0.01	<5	4.0	<10	28.9
L838922	<1	0.02	31	0.02	10	<0.01	<5	3.9	<10	24.4
L838923	<1	0.02	48	0.05	<2	<0.01	<5	5.5	<10	34.8
L838924	<1	0.01	28	0.03	4	<0.01	<5	5.0	<10	21.5
L838926	1	0.02	26	0.08	10	0.02	<5	4.2	<10	29.1
L838927	<1	0.02	24	0.10	10	0.03	<5	4.0	<10	41.2
L838928	<1	0.01	31	0.08	7	0.01	<5	4.4	<10	34.8
L838929	<1	0.02	27	0.06	3	0.03	<5	3.9	<10	29.3
L838930	<1	0.02	21	0.08	12	0.04	<5	4.7	<10	37.3
L838931	<1	0.02	21	0.07	7	0.04	<5	4.6	<10	39.4
L838933	<1	0.02	21	0.06	11	0.02	<5	3.6	<10	25.9
L838934	<1	0.02	28	0.08	8	0.04	<5	4.9	<10	44.0
L838935	<1	0.02	25	0.10	7	0.05	<5	4.0	<10	31.7
L838936	<1	0.02	27	0.08	<2	0.02	<5	4.6	<10	40.5
L838938	<1	0.02	6	0.03	7	0.02	<5	1.1	<10	11.1
L838939	<1	0.02	14	0.05	2	0.04	<5	0.8	<10	13.1
L838940	<1	<0.01	57	0.11	10	0.01	<5	3.0	<10	35.1
L838941	<1	0.02	32	0.06	11	0.02	<5	4.4	<10	29.7

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Element Method Det.Lim. Units	Mo ICP14B 1 ppm	Na ICP14B 0.01 %	Ni ICP14B 1 ppm	P ICP14B 0.01 %	Pb ICP14B 2 ppm	S ICP14B 0.01 %	Sb ICP14B 5 ppm	Sc ICP14B 0.5 ppm	Sn ICP14B 10 ppm	Sr ICP14B 0.5 ppm
L838942	<1	0.02	32	0.09	<2	<0.01	<5	3.7	<10	32.9
L838943	<1	0.02	43	0.07	<2	0.02	<5	5.2	<10	34.9
L838944	1	0.02	31	0.07	<2	0.01	<5	4.3	<10	30.6
L838945	<1	<0.01	51	0.07	7	<0.01	<5	4.8	<10	32.5
L838946	<1	0.03	27	0.06	4	0.01	<5	4.9	<10	29.2
L838947	<1	0.02	28	0.05	6	0.01	<5	4.5	<10	29.8
L838948	1	0.02	23	0.04	<2	0.03	<5	3.9	<10	26.7
L838949	<1	0.02	32	0.08	4	<0.01	<5	4.7	<10	39.2
L838950	<1	0.03	33	0.09	<2	0.01	<5	4.7	<10	40.7
L838951	<1	0.02	38	0.04	6	<0.01	<5	5.6	<10	26.2
L838952	1	0.01	30	0.05	7	0.01	<5	4.5	<10	20.1
L838953	<1	0.01	32	0.03	6	<0.01	<5	4.5	<10	27.1
L838954	<1	0.01	41	0.03	7	<0.01	<5	5.8	<10	30.3
L838955	<1	0.02	35	0.05	<2	<0.01	<5	5.0	<10	42.9
L838956	<1	0.02	34	0.05	3	<0.01	<5	5.3	<10	43.8
L838957	<1	0.02	38	0.07	5	0.03	<5	6.5	<10	45.2
L838958	1	0.02	35	0.05	<2	0.03	<5	5.5	<10	57.1
L838959	<1	0.02	36	0.04	<2	0.02	<5	4.8	<10	41.2
L838960	<1	0.02	34	0.03	4	<0.01	<5	5.6	<10	30.8
L838961	<1	0.02	30	0.04	<2	0.01	<5	5.3	<10	37.2
L838962	<1	0.02	34	0.03	<2	<0.01	<5	5.1	<10	28.6
L838963	2	0.02	19	0.03	3	<0.01	<5	4.3	<10	24.8
L838964	<1	0.01	21	0.03	11	<0.01	<5	5.9	<10	24.9
L838965	<1	0.02	35	0.03	5	<0.01	<5	5.3	<10	26.3
L838966	<1	<0.01	39	0.07	<2	<0.01	<5	3.1	<10	40.0
L838967	<1	0.02	26	0.04	7	<0.01	<5	5.8	<10	27.0
L838968	<1	0.02	23	0.06	<2	<0.01	<5	4.3	<10	31.5
L838969	<1	0.02	29	0.06	4	<0.01	<5	5.3	<10	36.1
L838970	<1	0.01	57	0.07	<2	0.01	<5	3.0	<10	29.3
L838971	<1	0.01	35	0.03	13	<0.01	<5	4.3	<10	31.7
L838972	2	0.02	39	0.04	<2	<0.01	<5	4.6	<10	23.8
L838973	<1	0.02	41	0.05	<2	<0.01	<5	4.9	<10	30.3
L838974	<1	<0.01	42	0.11	<2	<0.01	<5	4.7	<10	67.6
L838975	4	0.02	37	0.09	3	0.03	<5	4.3	<10	29.8
L838976	1	0.02	36	0.11	13	0.02	<5	5.8	<10	36.5
L838977	1	0.02	41	0.10	5	0.03	<5	5.8	<10	41.6
L838979	<1	0.02	15	0.07	4	0.05	<5	0.7	<10	16.1
L838980	<1	0.02	44	0.05	5	0.02	<5	4.2	<10	37.6
L838981	<1	0.01	21	0.05	3	0.01	<5	3.3	<10	30.7
L838982	2	0.01	30	0.14	<2	<0.01	<5	5.0	<10	63.7
L838983	<1	0.01	28	0.06	3	0.01	<5	3.5	<10	29.9
L838984	<1	0.02	25	0.09	<2	0.01	<5	3.6	<10	32.1
L838985	<1	0.01	28	0.09	11	0.04	<5	3.5	<10	23.1

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Element	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sn	Sr
Method	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B
Det.Lim.	1	0.01	1	0.01	2	0.01	5	0.5	10	0.5
Units	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm
L838988	<1	0.02	22	0.08	9	0.02	<5	4.6	<10	34.6
L838989	<1	0.02	25	0.07	5	0.03	<5	5.0	<10	27.4
L838990	<1	0.02	32	0.07	9	0.03	<5	6.0	<10	36.5
L838991	<1	0.03	29	0.08	15	0.02	<5	6.8	<10	39.8
L838992	<1	0.02	28	0.07	7	0.01	<5	4.8	<10	30.8
L838994	<1	0.02	28	0.07	4	0.01	<5	4.8	<10	40.5
L838995	<1	0.02	27	0.08	3	0.03	<5	3.7	<10	35.8
L838996	<1	0.02	23	0.08	<2	0.03	<5	4.0	<10	33.6

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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
L838851	0.14	86	30	3.9	54	1.9
L838852	0.10	51	<10	4.3	32	1.6
L838853	0.19	92	<10	2.4	50	3.3
L838854	0.19	76	<10	5.9	57	4.7
L838855	0.14	75	<10	5.8	58	3.0
L838856	0.13	50	<10	6.6	57	2.5
L838857	0.15	69	<10	4.3	59	5.8
L838858	0.14	65	<10	6.0	54	1.4
L838859	0.10	52	<10	3.9	42	1.1
L838860	0.13	68	<10	4.1	53	3.1
L838861	0.13	67	<10	3.3	44	1.6
L838862	0.17	90	<10	2.2	42	5.2
L838863	0.15	82	<10	5.1	41	2.5
L838864	0.10	56	<10	9.4	60	1.2
L838865	0.24	62	<10	4.1	109	3.1
L838866	0.15	84	<10	2.9	34	2.4
L838867	0.19	82	<10	3.1	35	4.3
L838868	0.15	101	<10	3.5	48	2.7
L838869	0.15	91	<10	4.6	52	10.7
L838870	0.36	65	<10	2.2	113	3.9
L838871	0.09	41	<10	4.3	30	0.9
L838872	0.14	73	<10	4.6	51	3.1
L838873	0.14	61	<10	4.2	46	1.7
L838874	0.12	64	<10	9.6	52	1.6
L838875	0.13	79	<10	2.7	53	1.8
L838876	0.15	81	<10	17.4	61	3.2
L838877	0.15	87	<10	4.8	64	4.8
L838878	0.14	57	<10	4.8	66	2.7
L838879	0.15	78	<10	3.5	51	2.2
L838880	0.12	59	<10	5.6	60	2.5
L838882	0.10	52	<10	10.9	61	2.7
L838883	0.12	58	<10	7.6	81	1.9
L838884	0.12	64	<10	4.8	71	2.4
L838885	0.11	57	<10	4.1	60	2.3
L838886	0.13	55	<10	6.6	45	1.9
L838887	0.15	85	<10	2.6	41	3.5
L838888	0.18	67	20	8.5	48	5.5
L838889	0.15	73	20	4.1	37	2.3
L838890	0.17	73	20	6.0	47	5.0
L838891	0.19	73	30	4.2	56	4.5
L838892	0.14	65	20	7.1	49	2.4
L838893	0.20	88	30	4.0	59	7.7
L838894	0.14	75	20	3.6	40	6.1

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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
L838895	0.19	91	30	4.4	51	5.3
L838896	0.19	90	30	4.2	50	3.2
L838897	0.19	95	30	4.7	41	8.2
L838898	0.20	95	20	5.4	48	16.0
L838899	0.10	44	10	4.8	92	0.7
L838901	0.19	82	30	4.4	58	12.2
L838902	0.18	82	30	4.1	56	9.4
L838903	0.20	62	30	6.8	75	4.6
L838904	0.19	93	20	2.4	49	6.0
L838905	0.17	57	20	5.5	61	5.3
L838906	0.12	52	20	16.7	53	3.4
L838907	0.14	54	20	7.2	62	2.6
L838908	0.17	70	20	4.5	58	4.9
L838909	0.15	65	20	8.1	63	2.1
L838910	0.13	61	20	11.3	61	2.7
L838911	0.11	45	10	8.9	43	2.5
L838912	0.15	60	20	7.4	46	2.7
L838913	0.18	84	30	2.5	41	2.3
L838914	0.18	80	20	4.0	43	5.9
L838915	0.17	67	10	6.7	44	5.3
L838916	0.12	66	20	7.2	41	1.8
L838917	0.16	69	10	5.6	51	3.3
L838918	0.12	57	20	7.0	54	1.9
L838919	0.16	66	20	12.1	60	3.4
L838920	0.19	74	30	5.0	57	5.8
L838921	0.17	73	20	4.7	53	2.0
L838922	0.24	93	30	3.4	72	6.6
L838923	0.18	76	40	4.4	78	3.0
L838924	0.18	89	30	3.3	65	6.0
L838926	0.12	72	20	6.9	80	2.3
L838927	0.13	52	20	6.8	85	2.7
L838928	0.20	67	30	6.2	89	3.1
L838929	0.13	74	20	4.9	81	2.7
L838930	0.11	66	10	7.5	65	2.6
L838931	0.12	66	20	7.1	53	2.7
L838933	0.13	59	10	5.3	60	1.8
L838934	0.14	59	30	10.3	73	2.0
L838935	0.13	63	30	5.7	75	1.5
L838936	0.21	61	30	5.6	77	1.8
L838938	0.08	44	10	2.1	28	0.6
L838939	0.06	34	<10	3.6	46	0.6
L838940	0.23	59	30	7.2	193	1.9
L838941	0.17	71	20	6.4	68	2.5

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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
L838942	0.27	61	40	4.8	89	2.6
L838943	0.17	62	30	11.0	71	1.8
L838944	0.22	68	30	6.6	72	4.1
L838945	0.21	61	40	7.5	91	2.0
L838946	0.20	69	20	5.6	58	3.2
L838947	0.20	67	20	4.5	56	3.3
L838948	0.16	72	20	3.8	53	1.8
L838949	0.20	73	20	5.5	58	2.9
L838950	0.20	74	30	5.3	60	3.1
L838951	0.20	87	30	5.2	65	15.5
L838952	0.20	94	30	3.7	106	10.0
L838953	0.21	83	20	3.8	71	7.6
L838954	0.15	66	20	5.6	73	6.1
L838955	0.23	67	30	6.1	68	4.4
L838956	0.18	61	30	7.9	61	5.3
L838957	0.17	60	30	12.4	67	3.7
L838958	0.14	59	20	11.2	59	2.0
L838959	0.16	79	30	4.4	65	3.6
L838960	0.18	80	30	5.6	63	9.5
L838961	0.19	70	20	5.5	53	4.6
L838962	0.16	71	20	4.2	41	5.8
L838963	0.21	83	20	3.9	41	4.1
L838964	0.15	61	20	22.7	46	3.9
L838965	0.19	77	20	5.4	53	15.1
L838966	0.33	34	40	10.8	98	9.4
L838967	0.17	76	30	6.9	48	9.1
L838968	0.17	66	20	6.1	44	4.0
L838969	0.20	74	20	11.0	54	6.4
L838970	0.34	48	30	3.8	57	2.4
L838971	0.19	57	20	4.0	56	9.6
L838972	0.23	75	30	3.7	71	7.1
L838973	0.18	69	20	6.2	55	5.7
L838974	0.30	57	30	11.4	141	3.5
L838975	0.15	74	20	6.9	90	2.6
L838976	0.16	80	20	13.4	116	3.0
L838977	0.14	73	20	16.0	117	2.2
L838979	0.05	34	10	4.7	42	<0.5
L838980	0.19	62	30	5.5	78	2.2
L838981	0.16	71	20	5.8	56	1.2
L838982	0.22	84	40	3.4	95	2.1
L838983	0.18	60	20	3.9	67	2.0
L838984	0.19	59	20	6.1	73	1.0
L838985	0.10	70	20	5.9	103	0.7

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Element	Ti	V	W	Y	Zn	Zr
Method	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B	ICP14B
Det.Lim.	0.01	1	10	0.5	1	0.5
Units	%	ppm	ppm	ppm	ppm	ppm
L838988	0.12	62	20	7.3	76	1.5
L838989	0.11	72	20	9.9	64	2.3
L838990	0.15	72	30	12.5	80	4.4
L838991	0.16	71	20	18.4	60	10.8
L838992	0.17	72	30	9.4	59	1.6
L838994	0.16	58	20	8.0	63	2.3
L838995	0.15	52	20	5.4	64	1.3
L838996	0.18	59	20	4.4	67	1.8

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