

ER/RRES-WQH	DATE RECEIVED	EDD sent	SAMPLE ID	Location	Date/Time	gallons	Al(ppm)	stdev (Al)	B(ppm)	stdev (B)	Ba(ppm)	stdev (Ba)	Ca(ppm)	stdev (Ca)
2017-2555	28-Aug-17	10/31/2017 14:58	TRR-42-17-142411	R-42	8/24/2017 10:15		0		0		0.089901	0.00166	29.310	0.158317
2017-2555	28-Aug-17	10/31/2017 14:58	TRR-42-17-142412	R-42 makeup	8/24/2017 11:09		0		0		0.055361	1.12E-06	29.542	0.080034
2017-2555	28-Aug-17	10/31/2017 14:58	TRR-42-17-142413	R-42	8/24/2017 11:41		0		0		0		30.136	0.142066
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142414	R-42	8/24/2017 13:37		0		0		0		29.691	0.328559
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142415	R-42	8/24/2017 14:50		0		0		0.063558	0.000157	29.408	0.057493
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142416	R-42	8/24/2017 15:55		0		0		0.083394	0.009913	30.241	0.165405
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142417	R-42	8/24/2017 16:52		0		0		0		29.715	0.245384
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142418	R-42	8/24/2017 17:48		0		0		0.10393	0.002891	29.863	0.315965
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142419	R-42	8/24/2017 18:45		0		0		0.085281	0.0008	29.963	0.101026
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142420	R-42	8/24/2017 20:10		0		0		0		29.191	0.072211
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142421	R-42	8/24/2017 21:22		0		0		0		29.244	0.266537
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142422	R-42	8/24/2017 21:52		0		0		0.074772	0.003124	30.012	0.100948
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142424	R-42	8/24/2017 23:07		0		0		0		29.813	0.058331
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142423	R-42	8/24/2017 23:48		0		0		0		29.598	0.001588
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142425	R-42	8/25/2017 0:48		0		0		0.14113	0.0048	30.155	0.056571
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142426	R-42	8/25/2017 1:49		0		0		0		29.733	0.07891
2017-2570	28-Aug-17	1/16/2018 14:54	TRR-42-17-142427	R-42 chase	8/25/2017 2:13		0		0		0.15722	0.001353	13.691	0.121233
2017-2602	30-Aug-17	10/30/2017 11:22	TRR-42-17-142428	R-42	8/28/2017 16:00	0	0.014918	0.036894	0		0.085626	0.003124	20.637	0.265439
2017-2601	30-Aug-17	11/30/2017 15:31	TRR-42-17-144152	R-42	8/28/2017 17:00	186	0.024177	0.012122	0		0.23145	0.002078	29.284	0.047285
2017-2601	30-Aug-17	11/30/2017 15:31	TRR-42-17-144153	R-42	8/28/2017 18:00	372	0		0		0		32.485	0.43286
2017-2601	30-Aug-17	11/30/2017 15:31	TRR-42-17-144154	R-42	8/28/2017 19:00	558	0.092487	0.013933	0		0		36.475	0.110546
2017-2601	30-Aug-17	11/30/2017 15:31	TRR-42-17-144155	R-42	8/28/2017 20:00	744	0.15549	0.069482	0		0		39.388	0.005215
2017-2601	30-Aug-17	11/30/2017 15:31	TRR-42-17-144168	R-42	8/29/2017 11:00	744	0		0		0		31.563	0.066626
2017-2601	30-Aug-17	11/30/2017 15:31	TRR-42-17-144167	R-42	8/29/2017 12:00	744	0.11045	0.012457	0		0		30.509	0.12704
2017-2601	30-Aug-17	11/30/2017 15:31	TRR-42-17-144172	R-42	8/29/2017 13:00	860.4	0		0		0		35.091	0.26277
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144173	R-42	8/29/2017 14:00	976.8	0		0		0		35.153	0.008498
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144174	R-42	8/29/2017 15:00	1093.2	0		0		0		34.178	0.238407
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144175	R-42	8/29/2017 16:00	1209.6	0		0		0		33.963	0.072427
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144176	R-42	8/29/2017 17:00	1326	0		0		0		32.48	0.373693
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144177	R-42	8/29/2017 18:00	1442.4	0		0		0.38909	0.003799	32.818	0.182835
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144178	R-42	8/29/2017 19:00	1558.8	0		0		0		31.798	0.05211
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144179	R-42	8/29/2017 20:00	1675.2	0		0		0		30.454	0.090534
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144180	R-42	8/29/2017 21:00	1791.6	0		0		0		29.777	0.051235
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144181	R-42	8/29/2017 22:00	1908	0.12549	0.005983	0		0		30.955	0.271639
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144182	R-42	8/29/2017 23:00	2024.4	0		0		0		28.411	0.200516
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144183	R-42	8/30/2017 0:00	2140.8	0		0		0		26.518	0.141012
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144184	R-42	8/30/2017 1:00	2257.2	0		0		0.068627	0.001058	25.221	0.086446
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144185	R-42	8/30/2017 2:00	2373.6	0		0		0.10369	0.001896	23.214	0.064593
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144186	R-42	8/30/2017 3:00	2490	0		0		0.080256	0.024136	23.348	0.015509
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144187	R-42	8/30/2017 4:00	2606.4	0		0		0.14701	0.013045	21.717	0.162727

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2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144188	R-42	8/30/2017 5:00	2722.8	0		0		0.15225	0.00584	21.198	0.041234
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144189	R-42	8/30/2017 6:00	2839.2	0		0		0.18731	0.001059	19.978	0.266417
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144190	R-42	8/30/2017 7:00	2955.6	0		0		0.1802	0.001043	19.608	0.040114
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144191	R-42	8/30/2017 8:00	3072	0		0		0.18297	0.000984	18.17	0.028124
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144192	R-42	8/30/2017 9:00	3188.4	0		0		0.17587	6.74E-05	18.631	0.035841
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144193	R-42	8/30/2017 10:00	3304.8	0		0		0.18547	0.003367	17.47	0.067608
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144194	R-42	8/30/2017 11:00	3421.2	0		0		0.17843	0.003302	16.288	0.014773
2017-2634	30-Aug-17	11/30/2017 15:32	TRR-42-17-144195	R-42	8/30/2017 12:00	3537.6	0		0		0.052092	0.000618	15.611	0.104784
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144196	R-42	8/30/2017 14:00	3770.4	0		0		0		16.036	0.072463
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144197	R-42	8/30/2017 16:00	4003.2	0		0		0		14.853	0.100172
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144198	R-42	8/30/2017 18:00	4236	0		0		0		14.35	0.177147
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144199	R-42	8/30/2017 20:00	4468.8	0		0		0		13.576	0.149354
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144200	R-42	8/30/2017 22:00	4701.6	0		0		0		12.58	0.108303
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144201	R-42	8/31/2017 0:00	4934.4	0		0		0		12.046	0.033595
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144202	R-42	8/31/2017 2:00	5167.2	0		0		0		11.581	0.056102
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144203	R-42	8/31/2017 4:00	5400	0		0		0		10.75	0.105403
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144204	R-42	8/31/2017 6:00	5632.8	0		0		0		10.364	0.095995
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144205	R-42	8/31/2017 8:00	5865.6	0		0		0		10.444	0.025323
2017-2657	31-Aug-17	10/26/2017 7:59	TRR-42-17-144206	R-42	8/31/2017 10:00	6098.4	0		0		0.095934	0.003837	10.05	0.037461
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144207	R-42	8/31/2017 12:00	6331.2	0		0		0		9.619	0.045364
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144208	R-42	8/31/2017 14:00	6564	0		0		0		9.9646	0.124252
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144209	R-42	8/31/2017 16:00	6796.8	0		0		0		9.3603	0.011852
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144210	R-42	8/31/2017 18:00	7029.6	0		0		0		9.2708	0.061992
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144211	R-42	8/31/2017 20:00	7262.4	0		0		0		9.1096	0.067409
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144212	R-42	8/31/2017 22:00	7495.2	0		0		0		9.0842	0.023722
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144213	R-42	9/1/2017 0:00	7728	0		0		0		9.2523	0.045361
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144214	R-42	9/1/2017 2:00	7960.8	0		0		0		9.0892	0.103012
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144215	R-42	9/1/2017 4:00	8193.6	0		0		0		9.0552	0.076279
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144216	R-42	9/1/2017 6:00	8426.4	0		0		0.063343	0.003912	9.0412	0.084017
2017-2677	01-Sep-17	10/26/2017 8:02	TRR-42-17-144217	R-42	9/1/2017 8:00	8659.2	0		0		0.12978	0.004124	9.0827	0.011643
2017-2686	05-Sep-17	10/26/2017 8:04	TRR-42-17-144218	R-42	9/1/2017 10:00	8892	0		0		0.037389	0.000676	9.3477	0.058919
2017-2686	05-Sep-17	10/26/2017 8:04	TRR-42-17-144219	R-42	9/1/2017 12:00	9124.8	0		0		0.037552	0.000217	9.1985	0.013691
2017-2686	05-Sep-17	10/26/2017 8:04	TRR-42-17-144220	R-42	9/1/2017 14:00	9357.6	0		0		0.0332	0.000311	9.4389	0.015768
2017-2686	05-Sep-17	10/26/2017 8:04	TRR-42-17-144221	R-42	9/1/2017 16:00	9590.4	0		0		0.030859	0.001261	9.444	0.025609
2017-2686	05-Sep-17	10/26/2017 8:04	TRR-42-17-144222	R-42	9/1/2017 18:00	9823.2	0		0		0.024524	0.000777	9.1149	0.054876
2017-2686	05-Sep-17	10/26/2017 8:04	TRR-42-17-144223	R-42	9/1/2017 20:00	10056	0		0		0.013405	0.000189	9.1991	0.017887
2017-2686	05-Sep-17	10/26/2017 8:04	TRR-42-17-144224	R-42	9/1/2017 22:00	10288.8	0		0		0.011939	0.000308	9.4253	0.014174
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144225	R-42	9/2/2017 0:00	10521.6	0		0		0.018471	0.000647	9.5132	0.097209
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144226	R-42	9/2/2017 2:00	10754.4	0		0		0.019644	0.000202	9.4216	0.047658
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144227	R-42	9/2/2017 4:00	10987.2	0		0		0.021604	1.73E-05	9.6624	0.121904
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144228	R-42	9/2/2017 6:00	11220	0		0		0.019104	0.000314	9.87	0.039042

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2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144229	R-42	9/2/2017 8:00	11452.8	0		0		0.031894	0.000434	9.892	0.060614
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144230	R-42	9/2/2017 10:00	11685.6	0		0		0.033016	7.31E-05	9.6435	0.021449
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144231	R-42	9/2/2017 12:00	11918.4	0		0		0.035582	0.000257	11.46	0.034912
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144232	R-42	9/2/2017 14:00	12151.2	0		0		0.028012	0.000695	9.8524	0.007031
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144233	R-42	9/2/2017 16:00	12384	0		0		0.022407	0.000242	9.8231	0.003696
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144234	R-42	9/2/2017 18:00	12616.8	0		0		0.029983	0.000257	9.9178	0.046474
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144235	R-42	9/2/2017 20:00	12849.6	0		0		0.023522	0.00067	10.022	0.087894
2017-2681	05-Sep-17	1/4/2018 12:54	TRR-42-17-144236	R-42	9/2/2017 22:00	13082.4	0		0		0.020454	0.000535	10.086	0.017547
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144237	R-42	9/3/2017 0:00	13315.2	0		0		0		10.097	0.071581
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144238	R-42	9/3/2017 2:00	13548	0		0		0		10.04	0.051262
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144239	R-42	9/3/2017 4:00	13780.8	0		0		0.01188	0.000168	10.565	0.015057
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144240	R-42	9/3/2017 6:00	14013.6	0		0		0.014427	0.000321	11.017	0.048752
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144241	R-42	9/3/2017 8:00	14246.4	0		0		0.01152	0.000292	10.845	0.010665
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144242	R-42	9/3/2017 10:00	14479.2	0		0		0		10.558	0.009954
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144243	R-42	9/3/2017 12:00	14712	0		0		0		11.421	0.016468
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144244	R-42	9/3/2017 14:00	14944.8	0		0		0		11.523	0.026356
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144245	R-42	9/3/2017 16:00	15177.6	0		0		0.014928	0.000858	11.763	0.139565
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144246	R-42	9/3/2017 18:00	15410.4	0		0		0.012329	0.000328	12.532	0.190084
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144247	R-42	9/3/2017 20:00	15643.2	0		0		0.022183	0.000188	13.181	0.04728
2017-2685	05-Sep-17	10/26/2017 8:03	TRR-42-17-144248	R-42	9/3/2017 22:00	15876	0		0		0		12.231	0.081291
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144249	R-42	9/4/2017 0:00	16108.8	0		0		0.012912	0.00033	12.431	0.066753
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144250	R-42	9/4/2017 2:00	16341.6	0		0		0.015177	0.000735	12.59	0.025061
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144251	R-42	9/4/2017 4:00	16574.4	0		0		0.016659	0.000329	12.89	0.080466
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144252	R-42	9/4/2017 6:00	16807.2	0		0		0.015928	0.000239	13.285	0.019872
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144253	R-42	9/4/2017 8:00	17040	0		0		0.017449	0.000564	13.799	0.025635
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144254	R-42	9/4/2017 10:00	17272.8	0		0		0.016416	0.000449	12.99	0.062357
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144255	R-42	9/4/2017 12:00	17505.6	0		0		0.012496	0.00065	13.263	0.047466
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144256	R-42	9/4/2017 14:00	17738.4	0		0		0.015284	0.000665	13.626	0.122029
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144257	R-42	9/4/2017 16:00	17971.2	0		0		0.017285	5.19E-05	14.376	0.052329
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144258	R-42	9/4/2017 18:00	18204	0		0		0.017787	0.000613	14.554	0.11223
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144259	R-42	9/4/2017 20:00	18436.8	0		0		0.015177	0.002696	14.909	0.018993
2017-2683	05-Sep-17	10/26/2017 8:03	TRR-42-17-144260	R-42	9/4/2017 22:00	18669.6	0		0		0.015018	0.000452	15.035	0.030748
2017-2682	05-Sep-17	1/4/2018 13:06	TRR-42-17-144261	R-42	9/5/2017 0:00	18902.4	0		0		0.015736	0.002344	15.705	0.059685
2017-2682	05-Sep-17	1/4/2018 13:06	TRR-42-17-144262	R-42	9/5/2017 2:00	19135.2	0		0		0.01713	0.000795	15.992	0.068002
2017-2682	05-Sep-17	1/4/2018 13:06	TRR-42-17-144263	R-42	9/5/2017 4:00	19368	0		0		0.017428	0.001296	16.351	0.248063
2017-2682	05-Sep-17	1/4/2018 13:06	TRR-42-17-144264	R-42	9/5/2017 6:00	19600.8	0		0		0.014168	0.000767	17.169	0.061436
2017-2682	05-Sep-17	1/4/2018 13:06	TRR-42-17-144265	R-42	9/5/2017 8:00	19833.6	0		0		0.015659	0.000803	18.203	0.073351
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144266	R-42	9/5/2017 10:00	20066.4	0		0		0.031537	0.000196	17.91	0.01794
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144267	R-42	9/5/2017 12:00	20299.2	0		0		0.031623	0.000132	18.794	0.123159
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144268	R-42	9/5/2017 14:00	20532	0		0		0.035359	0.0009	19.223	0.000852
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144269	R-42	9/5/2017 16:00	20764.8	0		0		0		19.021	0.168884

ER/RRES-WQH	DATE RECEIVED	EDD sent	SAMPLE ID	Location	Date/Time	gallons	Al(ppm)	stdev (Al)	B(ppm)	stdev (B)	Ba(ppm)	stdev (Ba)	Ca(ppm)	stdev (Ca)
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144270	R-42	9/5/2017 18:00	20997.6	0		0		0		19.934	0.120527
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144271	R-42	9/5/2017 20:00	21230.4	0		0		0		20.818	0.234999
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144272	R-42	9/5/2017 22:00	21463.2	0		0		0		21.536	0.290097
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144273	R-42	9/6/2017 0:00	21696	0		0		0		21.843	0.209347
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144274	R-42	9/6/2017 2:00	21928.8	0		0		0		22.763	0.040572
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144275	R-42	9/6/2017 4:00	22161.6	0		0		0		22.93	0.286609
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144276	R-42	9/6/2017 6:00	22394.4	0		0		0		23.076	0.343294
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144277	R-42	9/6/2017 8:00	22627.2	0		0		0		23.435	0.194459
2017-2704	06-Sep-17	10/12/2017 14:36	TRR-42-17-144278	R-42	9/6/2017 10:00	22860	0		0		0		23.116	0.089539
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144279	R-42	9/6/2017 12:00	23092.8	0		0		0.012192	0.000141	24.801	0.378161
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144280	R-42	9/6/2017 14:00	23325.6	0		0		0.038512	0.001136	26.329	0.27101
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144281	R-42	9/6/2017 16:00	23558.4	0		0		0.048603	0.00036	22.778	0.009857
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144282	R-42	9/6/2017 18:00	23791.2	0		0		0.040687	6.59E-05	22.36	0.152808
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144283	R-42	9/6/2017 20:00	24024	0		0		0.035209	0.001667	25.305	0.10199
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144284	R-42	9/6/2017 22:00	24256.8	0		0		0.022586	0.000669	25.058	0.020717
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144285	R-42	9/7/2017 0:00	24489.6	0		0		0.024209	0.000223	25.973	0.286955
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144286	R-42	9/7/2017 2:00	24722.4	0		0		0.022479	0.000304	25.683	0.053426
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144287	R-42	9/7/2017 4:00	24955.2	0		0		0.019611	0.001071	25.765	0.115255
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144288	R-42	9/7/2017 6:00	25188	0		0		0.01581	0.001411	25.623	0.035617
2017-2718	07-Sep-17	10/31/2017 11:51	TRR-42-17-144289	R-42	9/7/2017 8:00	25420.8	0		0		0.014997	0.001019	27.792	0.21296
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144290	R-42	9/7/2017 10:00	25653.6	0		0		0.025309	0.000778	27.194	0.027603
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144291	R-42	9/7/2017 12:00	25886.4	0		0		0.026744	0.000113	27.652	0.056491
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144292	R-42	9/7/2017 14:00	26119.2	0		0		0.019575	0.00099	27.835	0.010842
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144293	R-42	9/7/2017 16:00	26352	0		0		0.020845	0.000541	28.819	0.236697
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144294	R-42	9/7/2017 18:00	26584.8	0		0		0.024305	0.00058	29.095	0.209165
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144295	R-42	9/7/2017 20:00	26817.6	0		0		0.031572	5.63E-05	28.794	0.237069
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144296	R-42	9/7/2017 22:00	27050.4	0		0		0.044396	0.000492	30.216	0.246898
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144297	R-42	9/8/2017 0:00	27283.2	0		0		0.051623	0.000439	30.732	0.113959
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144299	R-42	9/8/2017 4:00	27748.8	0		0		0.057065	0.000498	32.41	0.033382
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144300	R-42	9/8/2017 6:00	27981.6	0		0		0.059623	4.79E-05	32.916	0.367073
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144301	R-42	9/8/2017 8:00	28214.4	0		0		0.042979	0.000389	31.942	0.042237
2017-2728	08-Sep-17	10/26/2017 8:08	TRR-42-17-144302	R-42	9/8/2017 10:00	28447.2	0		0		0.037945	0.000127	31.803	0.340085
2017-2740	11-Sep-17	10/26/2017 8:12	TRR-42-17-144303	R-42 inside trailor	9/8/2017 16:20	29184.4	0		0		0.025498	0.00093	29.306	0.026715
2017-2740	11-Sep-17	10/26/2017 8:12	TRR-42-17-144304	R-42	9/8/2017 16:30	29203.8	0		0		0.47328		18.98	
2017-2746	11-Sep-17	10/30/2017 11:23	TRR-42-17-144305	R-42	9/9/2017 6:45	30862.5	0		0		0.035566	0.000776	31.357	0.164888
2017-2746	11-Sep-17	10/30/2017 11:23	TRR-42-17-144306	R-42	9/9/2017 18:25	32220.5	0		0		0.024276	0.00203	29.856	0.003902
2017-2740	11-Sep-17	10/26/2017 8:12	TRR-42-17-144307	R-42	9/10/2017 13:25	34432.1	0		0		0.035856	0.000613	32.321	0.036282
2017-2740	11-Sep-17	10/26/2017 8:12	TRR-42-17-144308	R-42	9/10/2017 13:30	34441.8	0		0		0.026381		22.169	
2017-2745	11-Sep-17	10/30/2017 11:23	TRR-42-17-144309	R-42	9/11/2017 10:51	36926.94	0		0		0.023155	0.000523	32.339	0.327665
2017-2745	11-Sep-17	10/30/2017 11:23	TRR-42-17-144310	R-42	9/11/2017 11:50	37041.4	0		0		0.033224		23.604	
2017-2745	11-Sep-17	10/30/2017 11:23	TRR-42-17-144311	R-42	9/11/2017 11:50	37041.4	0		0		0.025128		21.692	



ER/RRES-WQH	DATE RECEIVED	EDD sent	SAMPLE ID	Location	Date/Time	gallons	Al(ppm)	stdev (Al)	B(ppm)	stdev (B)	Ba(ppm)	stdev (Ba)	Ca(ppm)	stdev (Ca)
2017-2749	12-Sep-17	10/30/2017 11:25	TRR-42-17-144312	R-42	9/11/2017 16:00	37526.4	0		0		0.032614	0.00089	33.938	0.42388
2017-2754	12-Sep-17	10/30/2017 11:26	TRR-42-17-144313	R-42	9/12/2017 11:00	39738	0		0		0.044444	0.000723	34.102	0.087707
2017-2758	13-Sep-17	10/30/2017 11:27	TRR-42-17-144314	R-42	9/12/2017 16:00	40320	0		0		0.029991	1.65E-05	33.572	0.320354
2017-2764	19-Sep-17	10/30/2017 11:27	TRR-42-17-144315	R-42	9/13/2017 9:55	42405.5	0		0		0.031975	0.000498	35.249	0.683949
2017-2772	13-Sep-17	10/30/2017 11:29	TRR-42-17-144316	R-42	9/13/2017 16:00	43113.6	0		0		0.029128	0.000258	33.913	0.075358
2017-2781	14-Sep-17	10/30/2017 11:30	TRR-42-17-144317	R-42	9/14/2017 10:15	45237.9	0		0		0.0178	0.00113	36.139	0.393457
2017-2848	19-Sep-17	10/30/2017 11:31	TRR-42-17-144318	R-42	9/14/2017 15:55	45897.5	0		0		0.058543	0.000245	35.389	0.227404
2017-2814	15-Sep-17	10/31/2017 11:52	TRR-42-17-144319	R-42	9/15/2017 9:30	47944.2	0		0		0.021517	8.24E-05	36.804	0.298222
2017-2822	15-Sep-17	10/31/2017 11:52	TRR-42-17-144320	R-42	9/15/2017 14:40	48545.6	0		0		0.021413	0.000631	37.039	0.37059
2017-2836	18-Sep-17	10/31/2017 11:53	TRR-42-17-144321	R-42	9/16/2017 9:50	50776.6	0		0		0.038988	0.000495	37.944	0.396977
2017-2836	18-Sep-17	10/31/2017 11:53	TRR-42-17-144322	R-42	9/17/2017 14:10	54074.6	0		0		0.050329	0.000182	40.164	0.647754
2017-2836	18-Sep-17	10/31/2017 11:53	TRR-42-17-144323	R-42	9/18/2017 10:45	56470.5	0		0		0.054189	0.000409	41.371	0.186525
2017-2846	19-Sep-17	10/30/2017 11:31	TRR-42-17-144324	R-42	9/18/2017 16:00	57081.6	0		0		0.037718	0.000224	40.657	0.174253
2017-2846	19-Sep-17	10/30/2017 11:31	TRR-42-17-144325	R-42	9/19/2017 0:00	58012.8	0		0		0.043847	0.00017	42.178	0.259744
2017-2846	19-Sep-17	10/30/2017 11:31	TRR-42-17-144326	R-42	9/19/2017 8:00	58944	0		0		0.038711	0.000508	42.34	0.585045
2017-2840	19-Sep-17	10/12/2017 14:30	WSTMO-17-147547	R-42	9/19/2017 10:10	59196.2	0		0		0.034224		38.923	
2017-2862	20-Sep-17	10/30/2017 11:32	TRR-42-17-144327	R-42	9/19/2017 16:00	59875.2	0		0		0.065834	0.000651	43.923	0.25568
2017-2862	20-Sep-17	10/30/2017 11:32	TRR-42-17-144328	R-42	9/20/2017 0:00	60806.4	0		0		0.066601	0.00079	43.681	0.192192
2017-2862	20-Sep-17	10/30/2017 11:32	TRR-42-17-144329	R-42	9/20/2017 8:00	61737.6	0		0		0.067002	0.002709	43.91	0.099861
2017-2876	21-Sep-17	10/12/2017 14:31	TRR-42-17-144330	R-42	9/20/2017 16:00	62668.8	0		0		0.046895	0.000486	42.512	0.372927
2017-2876	21-Sep-17	10/12/2017 14:31	TRR-42-17-144331	R-42	9/21/2017 0:00	63600	0		0		0.049728	0.000239	43.69	0.071257
2017-2876	21-Sep-17	10/12/2017 14:31	TRR-42-17-144332	R-42	9/21/2017 8:00	64531.2	0		0		0.052141	0.001296	44.257	0.102885
2017-2885	22-Sep-17	10/12/2017 14:34	TRR-42-17-144333	R-42	9/21/2017 16:00	65462.4	0		0		0.067201	0.000507	46.391	0.309599
2017-2885	22-Sep-17	10/12/2017 14:34	TRR-42-17-144334	R-42	9/22/2017 9:00	65578.8	0		0		0.063223	0.001028	46.224	0.283023
2017-2885	22-Sep-17	10/12/2017 14:34	TRR-42-17-144335	R-42	9/22/2017 9:45	65666.1	0		0		0.05575		37.055	
2017-2888	22-Sep-17	10/30/2017 11:32	TRR-42-17-144336	R-42	9/22/2017 15:00	66277.2	0		0		0.036956	0.000957	42.02	0.0252
2017-2894	25-Sep-17	10/30/2017 11:33	TRR-42-17-144337	R-42	9/22/2017 16:00	66393.6	0		0		0.049553	0.000406	44.268	0.528766
2017-2894	25-Sep-17	10/30/2017 11:33	TRR-42-17-144338	R-42	9/25/2017 9:00	66510	0		0		0.04897	6.62E-05	41.766	0.129243
2017-2905	26-Sep-17	10/31/2017 11:54	TRR-42-17-144339	R-42	9/25/2017 16:00	67324.8	0		0		0.046949	0.000572	44.926	0.077559
2017-2905	26-Sep-17	10/31/2017 11:54	TRR-42-17-144340	R-42	9/26/2017 9:20	67476.12	0		0		0.045532	0.001213	41.731	0.423915
2017-2919	27-Sep-17	10/31/2017 11:54	TRR-42-17-144341	R-42	9/26/2017 16:00	68252.12	0		0		0.045788	0.000369	45.4	0.32085
2017-2919	27-Sep-17	10/31/2017 11:54	TRR-42-17-144342	R-42	9/27/2017 9:00	68368.52	0		0		0.048756	8.77E-05	42.521	0.374963
2017-2951	28-Sep-17	10/31/2017 11:56	TRR-42-17-144343	R-42	9/28/2017 9:00	69299.72	0		0		0.049512	9.89E-05	46.946	0.381801
2017-2951	28-Sep-17	10/31/2017 11:56	TRR-42-17-144344	R-42	9/28/2017 9:00	69299.72	0		0		0.047893	0.000275	43.725	0.42619
2017-3005	02-Oct-17	10/31/2017 11:56	TRR-42-17-144345	R-42	9/28/2017 16:00	70114.52	0		0		0.051564	0.000622	47.741	0.075815
2017-3005	02-Oct-17	10/31/2017 11:56	TRR-42-17-144346	R-42	9/29/2017 9:00	70230.92	0		0		0.050127	0.001139	44.488	0.281134
2017-3005	02-Oct-17	10/31/2017 11:56	TRR-42-17-144347	R-42	9/29/2017 14:30	70871.12	0		0		0.052013	0.000441	46.934	0.065119
2018-53	02-Oct-17	11/1/2017 6:56	TRR-42-17-144348	R-42	10/2/2017 9:00	70987.52	0		0		0.054173	0.000119	44.206	0.184085
2018-101	03-Oct-17	10/30/2017 11:36	TRR-42-17-144350	R-42	10/3/2017 9:00	71802.32	0		0		0.048877	0.000477	46.817	0.438462
2018-174	04-Oct-17	1/30/2018 17:50	TRR-42-17-142429	R-42	10/3/2017 16:00	72617.12	0		0		0.052715	0.000849	45.316	0.051408
2018-101	03-Oct-17	10/30/2017 11:36	TRR-42-17-144349	R-42	10/3/2017 16:00	72617.12	0		0		0.049214	0.000617	46.638	0.067025

ER/RRES-WQH	DATE RECEIVED	EDD sent	SAMPLE ID	Location	Date/Time	gallons
2018-175	04-Oct-17	11/30/2017 15:36	TRR-42-17-144351	R-42	10/3/2017 16:00	72617.12
2018-221	05-Oct-17	11/30/2017 16:16	TRR-42-17-142430	R-42	10/4/2017 16:00	73548.32
2018-221	05-Oct-17	11/30/2017 16:16	TRR-42-17-142431	R-42	10/5/2017 9:00	73664.72
2018-220	05-Oct-17	10/31/2017 11:57	TRR-42-17-142432	R-42	10/5/2017 10:00	73781.12
2018-220	05-Oct-17	10/31/2017 11:57	TRR-42-17-142433	R-42	10/5/2017 10:00	73781.12
2018-302	10-Oct-17	1/30/2018 17:52	TRR-42-17-142434	R-42	10/10/2017 9:45	73781.12
2018-370	11-Oct-17	11/30/2017 16:11	TRR-42-17-142435	R-42	10/10/2017 16:00	74508.62
2018-370	11-Oct-17	11/30/2017 16:11	TRR-42-17-142436	R-42	10/11/2017 9:00	74625.02
2018-424	12-Oct-17	11/30/2017 16:10	TRR-42-17-142437	R-42	10/11/2017 16:00	75439.82
2018-424	12-Oct-17	11/30/2017 16:10	TRR-42-17-142438	R-42	10/12/2017 9:00	75556.22
2018-463	16-Oct-17	11/30/2017 16:08	TRR-42-17-142439	R-42	10/12/2017 16:00	76371.02
2018-463	16-Oct-17	11/30/2017 16:08	TRR-42-17-142440	R-42	10/13/2017 14:45	76487.42
2018-480	16-Oct-17	11/30/2017 16:06	TRR-42-17-142441	R-42	10/16/2017 11:35	76517.42
2018-491	17-Oct-17	11/30/2017 16:03	TRR-42-17-142442	R-42	10/17/2017 9:30	76547.42
2018-504	18-Oct-17	11/30/2017 16:01	TRR-42-17-142458	R-42	10/18/2017 9:55	76577.42
2018-532	19-Oct-17	11/30/2017 15:58	TRR-42-17-142459	R-42	10/19/2017 10:20	76607.42
2018-542	20-Oct-17	11/30/2017 15:53	TRR-42-17-142460	R-42	10/20/2017 9:45	76637.42
2018-553	23-Oct-17	1/30/2018 17:54	TRR-42-17-142461	R-42	10/23/2017 10:00	76667.42
2018-562	24-Oct-17	1/30/2018 17:55	TRR-42-17-142462	R-42	10/24/2017 10:15	76697.42
2018-572	25-Oct-17	1/30/2018 17:57	TRR-42-17-142463	R-42	10/25/2017 10:40	76727.42
2018-590	26-Oct-17	1/30/2018 17:58	TRR-42-17-142464	R-42	10/26/2017 10:42	76757.42
2018-600	27-Oct-17	1/30/2018 18:01	TRR-42-17-142465	R-42	10/27/2017 10:20	76787.42
2018-627	30-Oct-17	1/30/2018 18:02	TRR-42-17-142466	R-42	10/30/2017 10:32	76817.42
2018-645	31-Oct-17	1/30/2018 18:00	TRR-42-17-142467	R-42	10/31/2017 10:15	76847.42
2018-669	01-Nov-17	1/30/2018 18:03	TRR-42-17-142468	R-42	11/1/2017 10:10	76877.42
2018-694	02-Nov-17	1/30/2018 18:05	TRR-42-17-142469	R-42	11/2/2017 10:40	76907.42
2018-705	03-Nov-17	1/30/2018 18:12	TRR-42-17-142470	R-42	11/3/2017 10:20	76937.42
2018-717	06-Nov-17	1/30/2018 18:06	TRR-42-17-142444	R-42	11/6/2017 9:40	76967.42
2018-755	07-Nov-17	1/30/2018 18:07	TRR-42-17-142445	R-42	11/7/2017 9:50	76997.42
2018-802	08-Nov-17	1/30/2018 18:11	TRR-42-17-142446	R-42	11/8/2017 10:45	77027.42
2018-836	09-Nov-17	2/1/2018 7:54	TRR-42-17-142447	R-42	11/9/2017 8:55	77057.42
2018-866	13-Nov-17	1/30/2018 18:09	TRR-42-17-142448	R-42	11/13/2017 10:00	77087.42
2018-899	14-Nov-17	1/30/2018 18:08	TRR-42-17-142449	R-42	11/14/2017 10:10	77117.42
2018-910	15-Nov-17	1/30/2018 17:59	TRR-42-17-142450	R-42	11/15/2017 10:35	77147.42
2018-939	16-Nov-17	1/30/2018 18:49	TRR-42-17-142451	R-42	11/16/2017 9:40	77177.42
2018-954	17-Nov-17	1/16/2018 14:55	TRR-42-17-142452	R-42	11/17/2017 10:40	77207.42
2018-1058	21-Nov-17	1/16/2018 14:58	TRR-42-17-142453	R-42	11/20/2017 11:40	77237.42
2018-1070	21-Nov-17	1/16/2018 15:00	TRR-42-17-142454	R-42	11/21/2017 10:45	77267.42
2018-1028	22-Nov-17	1/16/2018 14:55	TRR-42-17-142455	R-42	11/22/2017 9:55	77297.42
2018-1043	27-Nov-17	1/16/2018 14:56	TRR-42-17-142456	R-42	11/27/2017 13:30	77327.42
2018-1066	28-Nov-17	1/16/2018 14:59	TRR-42-17-142457	R-42	11/28/2017 10:35	77357.42

Al(ppm)	stdev (Al)	B(ppm)	stdev (B)	Ba(ppm)	stdev (Ba)	Ca(ppm)	stdev (Ca)
0		0		0.050816	0.000352	47.541	0.50566
0		0		0.052346	4.57E-05	47.472	0.007291
0		0		0.052155	0.000914	48.133	0.63872
0		0		0.047481		43.71	
0		0		0.049868		42.807	
0		0		0.063995	0.000602	44.8	0.232922
0		0		0.060322	0.000445	41.964	0.090967
0		0		0.062017	0.000521	42.636	0.420979
0		0		0.042231	0.000914	46.703	0.11478
0		0		0.044257	0.000175	45.445	0.618574
0		0		0.049845	0.000523	47.367	0.156787
0		0		0.062708	0.000413	47.04	0.259335
0		0		0.066998	0.00031	62.988	0.008827
0		0		0.078645	0.000279	60.526	0.763489
0		0		0.092767	0.000279	66.314	0.268879
0		0		0.10321	7.01E-05	67.551	0.585131
0		0		0.089929	0.000413	68.188	0.091141
0		0		0.11337	6.55E-05	66.763	0.343151
0		0		0.18018	0.00103	71.251	0.090633
0		0		0.18674	0.001113	72.275	0.714208
0		0		0.19098	0.002516	72.864	0.5028
0		0		0.18556	0.001389	74.929	0.911678
0		0		0.18143	0.000369	72.916	1.012425
0		0		0.17282	0.000592	66.35	0.397868
0		0		0.17273	0.000207	68.231	0.077808
0		0		0.16094	0.001685	65.679	1.153677
0		0		0.15833	0.003592	66.119	1.946664
0		0		0.14739	0.000688	62.944	0.227061
0		0		0.14156	0.000868	61.616	0.57758
0		0		0.13261	0.001492	61.51	0.040369
0		0		0.13204	0.000401	62.642	0.609807
0		0		0.12797	0.000794	59.406	0.247857
0		0		0.12265	0.000563	59.92	0.28471
0		0		0.1213	0.000986	58.13	0.409697
0		0		0.092508	0.00159	54.981	0.401928
0		0		0.094311	0.000112	54.186	0.03803
0		0		0.086339	0.000539	52.663	1.116188
0		0		0.10207	8.36E-05	57.082	1.087489
0		0		0.094886	0.000312	55.13	0.255465
0		0		0.080634	0.000379	55.794	0.276467
0		0		0.097775	0.000233	56.093	0.362684

ER/RRES-WQH	DATE RECEIVED	EDD sent	SAMPLE ID	Location	Date/Time	gallons
2018-1134	30-Nov-17	1/16/2018 15:01	TRR-42-17-142471	R-42	11/30/2017 10:40	77387.42
2018-1155	04-Dec-17	3/19/2018 8:36	TRR-42-17-142472	R-42	12/4/2017 14:15	77417.42
2018-1215	11-Dec-17	3/19/2018 8:45	TRR-42-17-142473	R-42	12/8/2017 14:10	77447.42
2018-1236	11-Dec-17	1/30/2018 17:20	TRR-42-17-142474	R-42	12/11/2017 13:40	77477.42
2018-1285	15-Dec-17	3/19/2018 8:51	TRR-42-17-142475	R-42	12/14/2017 14:00	
2018-1303	18-Dec-17	1/30/2018 17:24	TRR-42-17-142476	R-42	12/18/2017 14:40	
2018-1355	21-Dec-17	3/19/2018 8:52	TRR-42-18-149148	R-42	12/21/2017 13:50	
2018-1390	05-Jan-18	3/19/2018 8:54	TRR-42-18-149149	R-42	1/5/2018 12:00	
2018-1398	08-Jan-18	2/15/2018 8:18	TRR-42-18-149150	R-42	1/8/2018 14:00	
2018-1435	11-Jan-18	2/15/2018 8:19	TRR-42-18-149151	R-42	1/11/2018 13:10	
2018-1511	19-Jan-18	2/15/2018 8:21	TRR-42-18-149153	R-42	1/18/2018 11:25	
2018-1511	19-Jan-18	2/15/2018 8:21	TRR-42-18-149154	R-42	1/18/2018 15:10	
2018-1520	19-Jan-18	3/13/2018 7:30	TRR-42-18-149155	R-42	1/19/2018 11:10	
2018-1532	22-Jan-18	3/13/2018 7:30	TRR-42-18-149156	R-42	1/22/2018 14:48	
2018-1568	25-Jan-18	3/13/2018 7:37	TRR-42-18-149157	R-42	1/25/2018 14:25	
2018-1584	31-Jan-18	3/13/2018 7:40	TRR-42-18-149152	R-42	1/30/2018 14:30	
2018-1604	01-Feb-18	3/13/2018 7:41	TRR-42-18-149158	R-42	2/1/2018 14:29	
2018-1617	07-Feb-18	3/13/2018 7:44	TRR-42-18-149159	R-42	2/6/2018 14:30	
2018-1665	08-Feb-18	3/13/2018 7:46	TRR-42-18-149160	R-42	2/8/2018 14:15	
2018-1707	13-Feb-18	3/13/2018 7:54	TRR-42-18-149161	R-42	2/13/2018 11:43	
2018-1756	15-Feb-18	3/13/2018 8:13	TRR-42-18-151601	R-42	2/15/2018 11:15	
2018-1783	20-Feb-18	3/20/2018 13:08	TRR-42-18-151602	R-42	2/20/2018 11:50	
2018-1980	27-Feb-18	3/20/2018 12:53	TRR-42-18-151603	R-42	2/27/2018 10:45	
2018-2030	01-Mar-18	4/26/2018 8:35	TRR-42-18-151604	R-42	3/1/2018 10:40	
2018-2081	06-Mar-18	4/26/2018 8:29	TRR-42-18-151605	R-42	3/6/2018 11:10	
2018-2127	08-Mar-18	4/26/2018 8:29	TRR-42-18-151606	R-42	3/8/2018 10:54	
2018-2156	13-Mar-18	4/26/2018 8:29	TRR-42-18-151607	R-42	3/13/2018 10:47	
2018-2187	15-Mar-18	4/27/2018 7:04	TRR-42-18-151608	R-42	3/15/2018 10:50	
2018-2203	20-Mar-18	4/27/2018 7:05	TRR-42-18-151609	R-42	3/20/2018 11:10	
2018-2218	22-Mar-18	4/27/2018 7:07	TRR-42-18-151610	R-42	3/22/2018 9:35	
2018-2228	27-Mar-18	4/27/2018 7:08	TRR-42-18-151611	R-42	3/27/2018 9:45	
2018-2239	29-Mar-18	4/27/2018 7:09	TRR-42-18-151612	R-42	3/29/2018 9:40	
2018-2251	03-Apr-18	4/27/2018 7:10	TRR-42-18-151613	R-42	4/3/2018 9:35	
2018-2314	05-Apr-18	4/27/2018 7:10	TRR-42-18-151614	R-42	4/5/2018 9:30	
2018-2364	10-Apr-18	4/27/2018 7:12	TRR-42-18-151615	R-42	4/10/2018 9:50	
2018-2410	12-Apr-18	4/30/2018 12:29	TRR-42-18-151616	R-42	4/12/2018 9:20	
2018-2439	17-Apr-18	4/30/2018 12:28	TRR-42-18-151617	R-42	4/17/2018 9:54	
2018-2470	19-Apr-18	4/30/2018 12:28	TRR-42-18-151618	R-42	4/19/2018 9:27	
N3B-2018-42	18-Jun-18	9/27/2018 17:02	TRR-42-18-239	R-42	6/13/2018 11:26	
N3B-2018-53	18-Jun-18	9/27/2018 17:04	TRR-42-18-240	R-42	6/15/2018 10:33	
N3B-2018-2713	18-Jun-18	9/27/2018 17:07	TRR-42-18-242	R-42	6/18/2018 11:29	

Al(ppm)	stdev (Al)	B(ppm)	stdev (B)	Ba(ppm)	stdev (Ba)	Ca(ppm)	stdev (Ca)
0		0		0.09263	0.00047	57.04	0.247712
0		0		0.090821	0.000631	55.799	0.836724
0		0		0.062153	5.76E-05	55.508	0.211277
0		0		0.067198	0.000167	43.806	0.763005
0		0		0.07935	0.000452	51.937	0.257129
0		0		0.05738	0.000559	43.747	0.547369
0		0		0.074845	0.00047	52.06	0.864669
0		0		0.06012	0.000232	50.494	0.120025
0		0		0.064295	0.000821	50.469	0.241947
0		0		0.06682	0.00166	48.791	0.461483
0		0.02776	0.001200155	0.062294	0.000363	38.533	0.526319
0		0		0.064086	0.000684	37.51	0.173089
0		0		0.069242	0.001413	39.026	0.679875
0		0		0.059063	0.000457	44.533	0.681003
0		0		0.076285	0.000385	42.433	0.099196
0		0		0.083553	0.00016	49.54	0.009775
0		0		0.085861	0.000187	50.639	0.058112
0		0		0.08768	0.000409	52.694	0.482692
0		0		0.081342	0.000139	51.534	0.128303
0		0		0.084278	0.001546	52.5	0.877849
0		0		0.074448	0.000698	52.342	0.37915
0		0		0.083143	0.000287	53.712	0.041651
0		0		0.084628	0.000333	53.209	0.093905
0		0		0.068486	0.000664	51.244	0.29779
0		0		0.076191	0.000399	50.403	0.13302
0		0		0.068497	0.000125	47.086	0.456449
0		0		0.072116	9.37E-05	52.365	0.317464
0		0		0.06893	0.00041	50.199	0.477491
0		0		0.064048	0.000127	51.136	0.40444
0		0		0.061095	3.58E-05	49.668	0.023911
0		0		0.065519	0.000121	50.692	0.038195
0		0		0.064842	0.000124	50.592	0.150163
0		0		0.066085	0.000194	52.667	0.232853
0		0		0.062127	0.000322	52.574	0.31924
0		0		0.0649	0.000193	52.156	0.292922
0		0		0.063132	9.6E-05	51.485	0.096135
0		0		0.065096	0.000317	51.804	0.684386
0		0		0.074607	0.000572	52.029	0.052186
0		0		0.063307	0.000545	52.232	0.795928
0		0		0.061093	0.00089	51.631	0.320362
0		0		0.061472	0.000609	52.171	0.313234





ER/RRES-WQH	DATE RECEIVED	EDD sent	SAMPLE ID	Location	Date/Time	gallons
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Al(ppm)	stdev (Al)	B(ppm)	stdev (B)	Ba(ppm)	stdev (Ba)	Ca(ppm)	stdev (Ca)
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Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
1.3235	0.017933	0		0		11.097	0.105113	0.016584	0.004052	4962.5	23.17031	31.72001	0.091235	67.844	0.195242	0.15327	3.04E-05	0
0.016789	2.19E-05	2.4075	0.000274454	0.038588	0.000204	11.264	0.041676	0.002666	1.14E-05	60.273	1.079691	32.55925	0.293532	69.639	0.628158	0.14247	0.0008	0
1.2687	0.01328	0		0		11.447	0.054406	0		5058.5	46.14458	32.97442	0.192567	70.527	0.412093	0.15872	0.000717	0
1.0903	0.016258	0		0		11.241	0.151376	0		5187.4	47.48894	32.60787	0.033525	69.743	0.071745	0.15389	0.001326	0
0.5602	0.00421	0		0		11.208	0.099013	0		5239.4	31.22112	32.61816	0.111245	69.765	0.238064	0.1528	0.000644	0
0.50104	0.004647	0		0		11.388	0.175882	0		5266.9	6.662427	33.03146	0.187087	70.649	0.400365	0.15537	0.001604	0
0.37329	0.006387	0		0		11.128	0.128219	0.064477	0.003376	5074.1	33.19917	32.21981	0.516516	68.913	1.105345	0.15334	0.000873	0
0.42585	0.009737	0		0.037461	0.004284	11.251	0.212079	0		5413	85.13159	32.56719	0.367637	69.656	0.786743	0.15566	0.001957	0
0.30154	0.006818	0		0.034564	0.006442	11.227	0.010538	0		4955.8	31.15404	32.56112	0.260802	69.643	0.558116	0.15051	0.000637	0
0.33755	0.01191	0		0		11.034	0.023736	0		4730.5	21.36664	32.01736	0.064738	68.48	0.138538	0.14937	0.002359	0
0.31493	0.003673	0		0		11.101	0.097343	0		5457.8	49.20445	32.31519	0.284266	69.117	0.60833	0.15166	0.001158	0
0.28973	0.012952	0		0		11.254	0.041057	0		5861.8	42.56369	32.84211	0.131918	70.244	0.282305	0.15583	0.000586	0
0.21173	0.010609	0		0		11.505	0.034216	0		5173.1	35.8323	33.25776	0.148665	71.133	0.318144	0.15618	0.000108	0
0.26639	0.001531	0		0		11.092	0.013672	0.015644	0.000886	5512.6	21.73511	32.32267	0.111182	69.133	0.237928	0.15128	0.001479	0
0.43271	0.001686	1.1557	0.007887858	0.037629	0.004104	11.161	0.126195	0.01178	0.003864	5785.4	119.7832	31.43948	0.253442	67.244	0.542367	0.15634	0.002937	0
0.22556	0.007778	0		0		11.192	0.036607	0.017543	0.001865	5581.7	27.01529	32.36288	0.202832	69.219	0.434061	0.15477	0.000348	0
1.5886	0.024745	0		0.0084078	0.00686	3.2321	0.041234	0.045525	0.001807	10.666	0.030231	33.79683	0.18209	72.286	0.389673	0.062746	0.001018	0
66.345	0.880448	0		0.013738	0.012998	9.9172	0.076925	1.6276	0.004588	1670.6	26.81492	29.81477	0.164628	63.769	0.352303	0.11216	0.001204	0
97.732	0.66097	0		0.019364	0.011347	12.634	0.132613	2.5935	2.51E-05	2031.5	25.35879	32.60553	0.182267	69.738	0.390051	0.15221	0.000376	0
129.17	0.831981	0		0		17.854	0.227121	5.2618	0.086773	2512.5	51.76958	31.67325	0.513349	67.744	1.098567	0.19525	0.001872	0.022193
146.17	0.272669	0		0		19.591	0.030626	6.7547	0.018161	2824.4	8.303457	32.7645	0.160205	70.078	0.342838	0.21197	0.000977	0.019491
159.48	0.561504	0		0		20.763	0.109825	7.8251	0.005048	2983	5.394662	33.10113	0.139884	70.798	0.299353	0.22814	0.000458	0.031507
188.04	1.511479	0		0		20.52	0.111612	8.6988	0.054906	3241.8	4.106249	33.07682	0.108982	70.746	0.233221	0.21133	0.000878	0.021008
187.77	1.30875	0		0		20.616	0.153764	8.6399	0.079514	3190.7	39.91852	32.95432	0.198111	70.484	0.423957	0.20853	0.003161	0.021998
206.99	0.135667	0		0		20.363	0.172839	9.9096	0.082799	3423.4	34.87	31.6999	0.062478	67.801	0.133702	0.22297	0.000774	0.026237
228.06	3.84709	0		0		21.454	0.10644	11.102	0.064783	3634.1	62.71084	32.17586	0.471983	68.819	1.010044	0.22403	0.00205	0.019374
218.1	1.437904	0		0		21.848	0.175271	11.653	0.006422	3606.3	19.38068	32.2675	0.023789	69.015	0.050909	0.22071	2.51E-05	0.017982
231.98	0.222222	0		0		22.986	0.071493	12.214	0.052277	3672.5	17.34615	32.17212	0.148893	68.811	0.31863	0.22159	0.001348	0.01566
217.63	2.236346	0		0		23.149	0.33655	12.265	0.10301	3611	33.41458	31.7158	0.409612	67.835	0.876571	0.21309	0.000844	0.013972
248.51	2.421251	0		0		24.173	0.244122	12.899	0.115717	3655.1	31.26864	31.81538	0.410085	68.048	0.877581	0.22299	0.000473	0.019572
242.87	1.279342	0		0		24.324	0.112853	12.884	0.015366	3629.4	36.17917	32.44143	0.104247	69.387	0.223088	0.21633	0.00133	0.018011
255.58	1.23355	0		0		24.343	0.1098	12.861	0.001821	3537.9	4.949372	32.44891	0.173409	69.403	0.371096	0.20818	0.000793	0.01788
255.13	1.64684	0		0		24.574	0.058192	12.931	0.157181	3506.8	56.36889	32.45966	0.154467	69.426	0.330559	0.20848	0.000212	0.02409
247.06	0.443038	0		0		24.142	0.37154	12.634	0.104778	3333.3	28.52456	32.21046	0.055885	68.893	0.119595	0.19751	0.001029	0.019249
251.03	3.373805	0		0		24.547	0.236034	13	0.069766	3399	46.74255	32.09217	0.297241	68.64	0.636096	0.19518	0.003019	0.019086
243.33	1.195817	0		0		23.839	0.041179	12.584	0.040905	3252.1	72.93072	32.10012	0.062427	68.657	0.133594	0.18552	4.8E-05	0.019883
228.67	1.11907	0		0		23.265	0.199848	12.143	0.021138	3132.3	6.953571	32.67847	0.015855	69.894	0.033929	0.17658	0.001633	0.023794
220.83	2.880667	0		0		22.438	0.222971	11.65	0.04707	3044	59.32823	32.07394	0.35127	68.601	0.751718	0.16862	0.001432	0.019702
223.41	2.052048	0		0		22.456	0.182691	11.717	0.076556	3048.4	10.88413	31.71907	0.273736	67.842	0.585795	0.16648	0.000478	0.020312
204.09	0.437744	0		0		21.458	0.05151	11.158	0.037875	2849.3	4.71119	32.72616	0.012804	69.996	0.027401	0.15517	7.37E-05	0.02192

Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
204.07	0.087417	0		0		21.16	0.173453	11.018	0.039652	2878.3	44.01068	32.2703	0.294926	69.021	0.631142	0.15308	0.000154	0.022057
189.11	1.659341	0		0		20.29	0.182998	10.453	0.12848	2689.8	39.36262	32.38766	0.323804	69.272	0.692941	0.14302	0.001222	0.01894
183.99	0.615081	0		0		20.304	0.386178	10.423	0.124357	2773.4	55.59011	32.70372	0.348269	69.948	0.745296	0.1408	0.000855	0.02255
175.37	1.432939	0		0		18.844	0.008158	9.6995	0.03049	2543.9	27.91473	32.55223	0.219177	69.624	0.469038	0.12894	6.02E-05	0.023006
174.04	0.71492	0		0		19.293	0.098062	9.8205	0.009165	2623.8	8.189379	32.73504	0.107027	70.015	0.229038	0.13193	0.000483	0.020307
164.52	0.241989	0		0		18.658	0.021923	9.3749	0.042578	2519.7	28.10695	33.07354	0.122149	70.739	0.2614	0.12411	0.000136	0.020629
148.79	0.788153	0		0		17.392	0.066417	8.7406	0.016843	2320.4	32.12965	32.94964	0.114492	70.474	0.245012	0.11415	0.000486	0.022058
152.36	2.017509	0.35956	0.111841509	0.032214	0.009521	17.716	0.126954	8.5385	0.106009	2380.5	8.119547	32.75935	0.169517	70.067	0.362766	0.11756	0.000784	0
158.41	0.679146	0		0.038635	0.001724	18.867	0.143973	8.9658	0.02615	2686.8	23.57421	35.9106	0.061724	76.807	0.13209	0.12089	0.002129	0.031811
146.14	1.550154	0		0.040681	0.00137	17.869	0.187967	8.2983	0.0221	2568.5	38.75119	35.80306	0.378883	76.577	0.810811	0.11168	0.000115	0.023645
143.8	0.121458	0		0.044919	0.000558	17.602	0.058717	7.9223	0.042555	2557.6	17.01703	37.14912	0.169771	79.456	0.363309	0.10646	0.000417	0.026809
131.96	2.846574	0		0.045177	0.01042	16.677	0.125106	7.4016	0.080473	2410.9	54.7408	37.03878	0.311771	79.22	0.667189	0.099914	0.002171	0.029715
118.86	0.4391	0		0.038799	0.001502	15.445	0.005541	6.6403	0.011541	2182.2	6.362799	35.51318	0.028761	75.957	0.061549	0.092873	0.000298	0.012044
116.28	1.101698	0		0.044562	0.004436	15.099	0.15893	6.4542	0.046689	2207.9	42.27176	36.94807	0.084222	79.026	0.180235	0.086289	0.000939	0.025895
108.4	0.179118	0		0.050216	0.001182	14.855	0.065889	6.0833	0.018783	2189.6	2.135736	37.49978	0.069581	80.206	0.148904	0.084564	4.09E-05	0.028926
99.513	0.072401	0		0.039401	0.004897	13.736	0.06257	5.4704	0.02422	2046.6	60.85208	36.51747	0.418336	78.105	0.895238	0.076401	0.000418	0.024633
93.891	0.630885	0		0		13.321	0.04738	5.2474	0.002122	2001.2	4.173238	36.10977	0.202971	77.233	0.434358	0.074175	0.000433	0.024791
89.607	0.783222	0		0.036212	0.007509	12.892	0.117642	5.0481	0.046492	1941.7	18.275	36.72786	0.380317	78.555	0.813879	0.071428	0.00032	0.026084
80.639	0.705455	0		0		11.83	0.05737	4.6487	0.032932	1704.1	30.19554	34.9886	0.17652	74.835	0.377753	0.067259	0.001097	0.017002
80.794	0.037454	0		0.036927	0.003026	11.903	0.084618	4.5933	0.014407	1771.3	27.92011	36.9621	0.562611	79.056	1.203988	0.065175	0.001068	0.028613
79.091	0.658395	0		0.035398	0.009226	12.111	0.100194	4.4606	0.033672	1779.4	14.03629	38.44421	0.242069	82.226	0.518028	0.065296	0.000295	0.029874
74.802	0.506428	0		0.031404	0.007235	11.082	0.054884	4.2271	0.03144	1681	0.830873	37.75552	0.141274	80.753	0.302326	0.060199	0.00124	0.030804
69.335	0.402542	0		0.032803	0.006639	10.588	0.159982	3.9827	0.032583	1608.1	6.793459	37.16221	0.510755	79.484	1.093015	0.058965	0.000142	0.02168
64.481	0.311326	0		0		10.015	0.116028	3.8049	0.007572	1523.8	23.17857	36.89711	0.218222	78.917	0.466996	0.055415	0.0003	0.025426
58.557	1.033368	0		0.03349	0.008301	9.6764	0.035506	3.6045	0.011834	1438.9	14.25459	35.73901	0.271676	76.44	0.581386	0.053649	0.000219	0.010648
61.86	0.063385	0		0		9.2295	0.001017	3.569	0.040363	1398.5	10.30761	37.07525	0.071119	79.298	0.152194	0.052236	0.000255	0.023363
56.299	0.198363	0		0		8.6459	0.049151	3.3826	0.015382	1320.1	16.31255	36.17336	0.319483	77.369	0.683695	0.049741	0.000273	0.019582
52.701	0.210864	0		0		8.3716	0.182074	3.2689	0.02147	1283.7	17.71649	36.61472	0.149747	78.313	0.320459	0.047973	0.000494	0.015436
49.396	0.335937	0		0		8.0839	0.057977	3.1735	0.027793	1236.7	1.19156	36.2491	0.485289	77.531	1.038518	0.046368	0.000494	0.018974
45.963	0.377203	0		0		7.7948	0.074324	3.0718	0.025811	1210.2	28.53444	36.36411	0.590646	77.777	1.263982	0.044906	0.00061	0.016393
35.543	0.256829	1.6282	0.049123393	0.037449	0.001573	7.6532	0.081915	2.8937	0.020385	1172.8	13.70832	34.55659	0.213005	73.911	0.455831	0.044267	5.7E-05	0.010069
27.3	0.236906	1.3942	0.019243554	0.035675	0.001282	7.3569	0.055403	2.7079	0.002431	1127.7	6.541672	32.92393	0.233566	70.419	0.499832	0.042185	0.000179	0.009027
17.286	0.018923	1.453	0.017477053	0.037714	0.000739	7.3945	0.007163	2.6661	0.002419	1129.8	8.555898	32.78413	0.162346	70.12	0.34742	0.041384	2.49E-05	0.00706
14.182	0.009654	1.4146	0.03407142	0.037163	0.000317	7.1989	0.023332	2.5334	0.009085	1082.5	0.031278	33.57989	0.129689	71.822	0.277534	0.040166	0.000126	0.006772
15.144	0.034833	0.67407	0.016259303	0.04554	0.00104	7.5857	0.022335	2.6219	0.021975	1125.2	13.49752	36.16868	0.278783	77.359	0.596596	0.041309	0.000459	0.006009
19.669	0.093865	0.9352	0.083340744	0.044254	0.000379	7.3433	0.003695	2.8629	0.002479	1099.8	5.59398	36.58713	0.078948	78.254	0.168948	0.040933	0.000134	0.006005
25.756	0.144764	0.73376	0.043717795	0.045866	7.55E-05	7.2872	0.0662	2.879	0.011371	1087.3	6.916023	37.43993	0.178468	80.078	0.381921	0.041264	0.000241	0.007497
37.987	0.303977	0.70088	0.000578088	0.04632	0.000332	7.1943	0.048033	2.8294	0.006424	1023.1	12.40422	37.55495	0.19338	80.324	0.413833	0.041434	0.000308	0.008826
36.317	0.316853	0		0.044628	0.00167	7.0609	0.081683	2.7725	0.028612	996.62	3.353462	37.62274	0.378997	80.469	0.811054	0.041045	0.000345	0.008316
36.579	0.035834	0.5647	0.033336747	0.044978	0.002902	7.1006	0.063992	2.7409	0.022655	978.96	11.11613	37.86539	0.324614	80.988	0.694674	0.042045	0.00019	0.008125
33.855	0.144758	0		0.045896	7.6E-05	6.9828	0.034389	2.7114	0.006256	949.45	0.977641	37.52502	0.0138	80.26	0.029533	0.041391	0.000208	0.006851

Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
32.897	0.144879	0.69294	0.030818297	0.047415	0.001122	7.0105	0.052215	2.7174	0.015655	935.09	2.49607	37.55121	0.14054	80.316	0.300756	0.0417	1.65E-05	0.006284
31.423	0.059866	0		0.043284	0.000735	6.8375	0.039486	2.6397	0.023909	894.55	5.534049	36.58059	0.078148	78.24	0.167237	0.040799	0.000136	0.006587
13.192	0.045479	0		0.046618	0.001383	7.3801	0.045609	2.5468	0.007996	911.54	3.765985	35.97512	0.198342	76.945	0.424452	0.042742	2.2E-05	0.004931
9.3028	0.058072	0		0.048266	0.000419	6.9502	0.00467	2.4175	0.008967	863.03	1.57136	35.8414	0.007303	76.659	0.015629	0.038543	2.09E-05	0.003526
6.8795	0.017885	0		0.047142	0.000776	6.934	0.002461	2.3769	0.009185	852.29	1.933467	35.64971	0.013535	76.249	0.028964	0.038248	0.000398	0.004268
5.3965	0.031858	0		0.046524	0.000728	6.8692	0.016412	2.2412	0.014692	828.94	2.698239	35.61791	0.197549	76.181	0.422755	0.037707	0.000165	0.004207
5.4253	0.058276	1.2114	0.001284372	0.04613	0.001002	6.8183	0.035328	2.4991	0.040292	802.76	1.561028	35.25697	0.235071	75.409	0.503051	0.038515	0.000265	0.005993
8.0234	0.071712	0		0.04367	0.001946	6.9043	0.001278	2.6795	0.015471	780.94	5.717711	35.35796	0.215034	75.625	0.460174	0.039469	0.000348	0.003799
11.123	0.138614	1.3472	0.040226753	0.043951	0.00046	6.5724	0.013862	2.4034	0.005784	762.95	1.33246	33.86089	0.079718	72.423	0.170596	0.03836	0.000242	0
13.879	0.004134	1.2863	0.007615923	0.043143	0.001701	6.5906	0.027751	2.363	0.008051	747.45	12.41096	33.93102	0.042118	72.573	0.090132	0.038478	4.67E-06	0
16.049	0.064628	0		0.050373	0.000261	6.9634	0.010314	2.3948	0.009322	757.84	1.282624	35.3804	0.171025	75.673	0.365993	0.040982	0.000249	0.004169
17.348	0.114024	0		0.052842	0.000697	7.0935	0.023379	2.4402	0.013985	759.91	4.184982	36.12239	0.083655	77.26	0.179021	0.041693	0.000174	0.004912
17.434	0.006886	0		0.050282	0.005677	6.9902	0.029549	2.3825	0.021669	721.7	1.814232	35.67916	0.126021	76.312	0.269685	0.042018	0.000217	0.003917
12.615	0.013965	1.1936	0.014191848	0.042503	0.000581	6.5744	0.046981	2.2353	0.007176	678.76	3.980836	33.05437	0.169453	70.698	0.362629	0.038877	0.000104	0
7.6394	0.006436	0		0.05265	0.000811	7.3168	0.016698	2.2699	0.002008	728.81	0.13709	35.71984	0.137623	76.399	0.294514	0.042566	0.000119	0.00361
4.9147	0.010588	1.149	0.089540461	0.054197	0.00039	7.3011	0.015912	2.207	0.007452	701.64	0.304466	35.0751	0.094553	75.02	0.202343	0.042874	0.000221	0.003572
4.1585	0.041008	0.61838	0.052124196	0.052395	0.001012	7.3749	0.071245	2.1473	0.023482	686.98	5.041833	34.99561	0.369435	74.85	0.790591	0.043214	0.000815	0.002956
3.6204	0.032896	0		0.051843	0.001486	7.4127	0.128805	2.0974	0.014746	673.68	2.233809	34.67301	0.43124	74.16	0.922853	0.044112	2.61E-05	0.002327
4.2118	0.035058	0		0.056003	0.001303	7.6961	0.063816	2.5412	0.023945	656.49	9.494383	34.81514	0.219707	74.464	0.470173	0.045991	0.000197	0.002913
5.3665	0.0548	1.2451	0.02854717	0.044902	0.001533	6.9963	0.054557	2.4542	0.010435	605.36	0.410496	33.13339	0.162902	70.867	0.34861	0.043333	0.000533	0.002919
7.1979	0.014362	1.1461	0.018599416	0.046077	0.000564	6.9749	0.029385	2.4748	0.015718	595.93	0.120623	33.55511	0.036296	71.769	0.077673	0.043921	5.66E-05	0.004036
9.1469	0.032831	1.0863	0.014856396	0.044695	0.001244	6.8897	0.002287	2.4385	0.005406	568.6	1.639095	33.09412	0.03563	70.783	0.076248	0.044044	0.000115	0.00398
10.927	0.11393	1.0544	0.01160116	0.04449	0.002279	7.011	0.090923	2.4561	0.019479	565.04	0.530945	32.99967	0.154174	70.581	0.329932	0.044965	0.00047	0.00329
12.428	0.01443	1.0337	0.028285268	0.044615	0.001847	7.1495	0.007319	2.477	0.006516	555.61	9.714709	33.29002	0.12835	71.202	0.27467	0.045693	0.000295	0.004842
13.475	0.053611	1.0479	0.019667176	0.04591	0.000506	7.1166	0.043741	2.4501	0.036265	532.82	6.105941	33.19043	0.313972	70.989	0.6719	0.045751	0.000425	0.004449
9.1138	0.014872	1.4557	0.015592385	0.043856	0.001172	7.02	0.054316	2.2854	0.003866	527.58	0.541577	32.94731	0.110817	70.469	0.237149	0.045225	2.52E-05	0.004282
4.9109	0.016663	1.1071	0.017463452	0.04356	0.001167	7.3007	0.050135	2.1801	0.010742	523.42	1.227767	32.62283	0.130613	69.775	0.279512	0.045521	0.000221	0.003792
3.7917	0.01378	1.0761	0.033742496	0.043055	0.000704	7.3646	0.049734	2.1584	0.015711	524.94	1.62544	32.93655	0.004004	70.446	0.008568	0.045526	0.000273	0.003514
3.2594	0.005649	1.0669	0.038265815	0.045857	0.000604	7.4235	0.014834	2.1745	0.018419	512.67	8.923979	32.02999	0.047647	68.507	0.101964	0.045871	0.000452	0.00237
2.6649	0.023758	1.0677	0.011900007	0.04416	0.001147	7.3524	0.021769	2.2815	0.01477	514.06	1.917068	32.61068	0.19959	69.749	0.427122	0.048407	0.000103	0
3.708	0.011324	1.0651	0.007683089	0.041297	0.000272	7.3324	0.030155	2.4527	0.005585	465.87	2.110802	31.1281	0.00994	66.578	0.021271	0.04945	0.00046	0.002423
5.0934	0.006939	0.95204	0.009419183	0.039809	0.000263	7.4104	0.040457	2.5792	0.01942	460.33	3.111603	30.9163	0.310999	66.125	0.665538	0.04969	0.000362	0.003743
6.8468	0.017706	1.1321	0.00530606	0.041491	0.000247	7.6062	0.027361	2.6723	0.012806	454.36	2.555583	32.61395	0.074988	69.756	0.160474	0.051062	0.000122	0.002247
8.5946	0.009384	1.0106	0.02403696	0.04073	5.13E-06	7.6993	0.043682	2.7064	0.02965	455.02	2.577314	32.80284	0.04026	70.16	0.086156	0.052692	4.22E-06	0.004017
10.37	0.120077	1.0396	0.072310573	0.038618	0.001264	7.9359	0.112146	2.7311	0.030602	463.42	7.684357	32.81125	0.406619	70.178	0.870164	0.055758	0.000827	0.003784
13.048	0.147015	0.60187	0.018908602	0.046466	0.00149	8.494	0.03968	2.7238	0.01518	491.95	1.308425	34.03668	0.200275	72.799	0.428588	0.0606	1.42E-05	0.002444
13.355	0.045671	0		0.051463	0.00509	8.8146	0.040752	2.8377	0.002509	495.6	6.385248	34.69779	0.453618	74.213	0.970742	0.063029	0.000285	0.003273
7.9902	0.039914	0		0.038614	0.000749	8.6956	0.000844	2.6256	0.006825	459.85	3.830138	33.20913	0.011153	71.029	0.023868	0.061304	0.000145	0.003473
5.3566	0.03463	0		0.040961	0.000311	9.0616	0.03446	2.6966	0.010835	463.6	1.913183	33.74774	0.107575	72.181	0.23021	0.063975	0.000404	0.002556
4.2179	0.018373	0		0.037488	0.000834	9.1974	0.009005	2.6624	0.006791	452.67	0.990755	33.34939	0.079326	71.329	0.169757	0.065174	0.000478	0.002602
3.7321	0.010722	0.5877	0.014329236	0.048911	0.002343	8.8338	0.048342	2.4893	0.010917	438.57	4.596721	32.38298	0.02377	69.262	0.050868	0.063768	0.000563	0

Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
3.3998	0.04351	0		0.047831	0.002431	8.9321	0.109668	2.5722	0.018743	428.64	0.923641	32.53166	0.022926	69.58	0.049061	0.064935	5.31E-05	0
3.4965	0.01501	0		0.046779	0.006478	9.0435	0.054713	2.7541	0.005997	413.54	2.624625	32.05009	0.65752	68.55	1.407093	0.066526	0.000536	0
5.1942	0.028038	0		0.047584	0.00045	8.9719	0.030039	2.9171	0.008425	399.23	7.445028	32.01316	0.141443	68.471	0.302688	0.06772	0.000341	0
8.351	0.021345	0		0.044339	0.004586	9.0693	0.144384	2.9248	0.037576	391.36	1.125525	32.01877	0.008809	68.483	0.018851	0.06887	0.00066	0
11.077	0.134953	0		0.052646	0.002502	9.2366	0.006536	2.9564	0.00385	384.37	3.897795	32.52699	0.072863	69.57	0.155928	0.070431	4.06E-05	0
13.837	0.080706	0.82348	0.066192758	0.055166	0.001927	9.2335	0.054172	2.9736	0.033459	372.28	2.142991	32.16651	0.061761	68.799	0.13217	0.071813	0.000428	0
13.317	0.032535	0		0.050301	0.000125	9.1406	0.030262	2.97	0.016431	365.78	6.198508	32.11648	0.366174	68.692	0.783612	0.071203	0.0007	0
11.61	0.02538	0		0.051391	0.000921	9.3095	0.03946	2.9689	0.021174	364.06	3.661099	31.95004	0.189417	68.336	0.405352	0.071658	0.001304	0
9.66	0.043042	1.0905	0.021345486	0.045732	0.000557	9.9575	0.034263	3.0716	0.002449	407.54	2.429645	33.46347	0.213541	71.573	0.456978	0.083034	0.000247	0.002426
8.5381	0.059968	0		0.056946	0.003295	9.8876	0.147014	2.9232	0.019551	366.29	5.416307	33.16799	0.25311	70.941	0.541656	0.077977	0.000885	0
6.4067	0.012194	0		0.040894	0.000482	10.872	0.020391	3.2478	0.031638	390.06	0.398543	33.22222	0.11981	71.057	0.256393	0.08838	0.000429	0
3.7454	0.026582	0.99786	0.023909649	0.038633	0.000277	8.64	0.057915	2.6697	0.00242	300.23	0.913126	32.12537	0.362179	68.711	0.775064	0.071903	0.000434	0
3.4903	0.002912	0.71652	0.008652214	0.036651	0.000636	8.5728	0.065208	2.7818	0.030704	293.67	1.707294	31.91871	0.250421	68.269	0.535901	0.072522	0.000696	0
4.5027	0.01304	0.8284	0.005649043	0.038939	0.000336	9.6105	0.003602	3.1831	0.019878	315.57	0.781331	31.80463	0.157831	68.025	0.337759	0.081133	5.93E-05	0.002604
5.9732	0.045142	0.81055	0.000439407	0.036958	0.00068	9.439	0.041335	3.1315	0.013893	307.49	2.099524	31.6452	0.042912	67.684	0.091832	0.080996	0.000177	0
8.2879	0.090729	0.77504	0.014657663	0.037883	0.002007	9.6889	0.091896	3.2217	0.054306	310.25	2.098644	31.62463	0.324228	67.64	0.693848	0.084848	0.000618	0
9.7309	0.015799	0.79445	0.003820311	0.035271	0.000148	9.5833	0.096805	3.2061	0.032136	299.12	3.158306	31.26883	0.22807	66.879	0.488071	0.084717	0.000312	0.00268
11.694	0.04659	0.71497	0.025571166	0.035952	0.000553	9.5288	0.011166	3.1839	0.014722	290.33	1.896316	31.91404	0.150635	68.259	0.322359	0.084938	9.7E-05	0
13.085	0.029563	1.1436	0.035146679	0.036059	0.001412	9.747	0.023226	3.2324	0.006575	290.3	0.58051	32.17913	0.164139	68.826	0.351257	0.086623	0.000337	0
15.534	0.218665	0.94324	0.02778783	0.036513	0.002274	10.329	0.029271	3.421	0.071824	302.21	1.296814	31.32633	0.262771	67.002	0.56233	0.089807	0.001398	0.002378
12.954	0.164274	0.91393	0.034962991	0.041044	0.000924	10.596	0.050558	3.2944	0.006294	318.47	3.134984	31.33662	0.06005	67.024	0.128506	0.095062	0.000208	0
6.9853	0.008761	1.2692	0.017090412	0.041488	0.000117	10.664	0.008379	3.2028	0.001563	319.78	5.56533	31.1454	0.07591	66.615	0.162447	0.09611	0.000566	0
4.1568	0.010047	0.99069	0.00126116	0.04066	0.000303	10.828	0.093855	3.2267	0.016315	312.41	2.189575	30.6498	0.063341	65.555	0.13555	0.095153	0.00019	0
5.6312	0.034029	0.98648	0.045378845	0.041974	0.000887	11.127	0.105952	3.5901	0.028888	309.54	2.468072	31.40815	0.400136	67.177	0.856291	0.097682	0.000681	0
7.9491	0.03929	0.97681	0.027045986	0.040241	0.001376	11.139	0.013705	3.5394	0.017136	302.42	3.574737	31.00841	0.08703	66.322	0.186244	0.099166	0.000104	0
9.7179	0.089543	0.92177	0.040630472	0.039236	0.001432	11.126	0.158502	3.5699	0.015254	304.19	5.596972	31.41704	0.240051	67.196	0.51371	0.10008	0.000299	0
11.513	0.107876	0.88403	0.0291906	0.03968	0.002058	11.183	0.028753	3.568	0.01547	292.04	0.061132	31.45538	0.338526	67.278	0.724446	0.10116	0.001248	0
13.742	0.087403	0.89341	0.028227923	0.040471	0.001537	11.401	0.126804	3.6732	0.013569	294.23	3.506738	32.04214	0.300019	68.533	0.64204	0.10323	0.000108	0
18.363	0.021936	0.89299	0.020971391	0.039798	0.00166	11.395	0.067966	3.7755	0.019355	273.02	2.054239	32.24646	0.01192	68.97	0.025508	0.10362	0.000769	0
18.999	0.063281	0.85646	0.024768774	0.040662	0.002052	11.542	0.016193	3.8204	0.001501	271.3	2.677504	32.38064	0.0431	69.257	0.092234	0.10489	0.000573	0
18.839	0.099863	0		0.033025	0.000681	12.966	0.022864	3.8215	0.010025	304.36	0.317144	33.09271	0.147059	70.78	0.314707	0.11347	0.000366	0
14.799	0.121613	0.61744	0.047781732	0.033651	0.001751	13.13	0.104515	3.7111	0.0378	305.24	1.700308	32.92299	0.06328	70.417	0.13542	0.11599	0.000344	0.002607
14.335	0.105405	0.67696	0.010109515	0.03713	0.000195	11.776	0.016742	3.5281	0.02094	270.42	2.631112	30.44782	0.200585	65.123	0.429251	0.10831	0.00022	0
83.918		2.0996		0.038419		12.775		4.7982		1569.6		33.18108		70.969		0.11073		0.005893
26.858	0.079695	0.89239	0.025329755	0.037747	0.000331	12.525	0.058475	3.7103	0.002452	257.85	3.16296	31.50727	0.184029	67.389	0.393821	0.11752	0.000285	0
1.7295	0.004414	0.89158	0.014307396	0.03744	8.11E-05	12.7	0.046952	2.9881	0.006134	249.96	4.549699	30.57406	0.128077	65.393	0.274086	0.10023	0.00048	0
20.276	0.041573	0.6541	0.00055547	0.035988	0.000435	13.451	0.041914	3.7022	0.008071	226.53	0.387987	31.21646	0.083512	66.767	0.178716	0.12198	0.001178	0
16.702		0.81585		0.041486		9.6179		2.9456		477.26		32.42179		69.345		0.08301		0
5.8366	0.05102	0.96236	0.027656777	0.038918	0.002311	14.075	0.233886	3.5703	0.034553	208.85	3.31616	30.10932	0.420588	64.399	0.900059	0.11803	0.000776	0
46.251		1.3783		0.038337		13.187		4.75		1209.5		33.49901		71.649		0.11216		0.002136
9.3956		0.72202		0.03938		9.4555		2.7068		488.99		31.19308		66.717		0.083248		0



Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
18.943	0.084733	0.92261	0.012674251	0.038028	0.001783	14.367	0.206397	3.8136	0.040647	204.93	0.474095	31.42312	0.109644	67.209	0.234639	0.12543	0.000389	0.002761
8.3824	0.012163	0.89759	0.006609436	0.038841	0.001426	14.35	0.036799	3.9281	0.011999	203.54	1.586379	31.43434	0.047211	67.233	0.101032	0.13049	0.000315	0
12.512	0.128226	0		0.038216	0.000333	14.368	0.118739	3.2971	0.023978	212.22	2.817033	30.33982	0.336053	64.892	0.719154	0.11489	7.29E-05	0
19.118	0.017398	0		0.042251	0.002365	15.334	0.035274	3.7242	0.043281	194.04	3.332506	30.65635	0.12412	65.569	0.265617	0.12178	0.001237	0
17.986	0.113334	0		0.03353	0.002183	15.076	0.08137	3.5755	0.00364	182.71	3.275707	29.6025	0.023722	63.315	0.050764	0.11769	0.002233	0
10.527	0.101316	0		0.043264	0.001318	15.921	0.33249	3.7869	0.048605	175.61	3.066896	30.19769	0.45623	64.588	0.976331	0.12115	0.000729	0
2.4627	0.00084	0		0.03879	0.001887	16.408	0.060708	4.097	0.005204	182.55	1.601216	32.83182	0.122291	70.222	0.261703	0.13343	4.27E-05	0
13.589	0.019239	0		0.040091	0.000624	15.981	0.154495	3.7371	0.037928	150.51	1.570083	29.15273	0.46487	62.353	0.994822	0.12133	0.000426	0
20.399	0.037188	0		0.039817	0.003359	15.91	0.095431	3.813	0.032488	147.91	2.004721	29.27709	0.013431	62.619	0.028743	0.12433	0.000643	0
15.438	0.18982	0		0.038471	0.003837	17.639	0.108659	4.2478	0.062801	152.42	0.175349	32.08422	0.287236	68.623	0.614685	0.13873	0.001647	0
14.335	0.09423	0.76866	0.001153881	0.039768	0.002532	18.056	0.022065	4.5765	0.02231	136.18	1.230447	31.89393	0.322667	68.216	0.690507	0.14968	0.000903	0
12.942	0.068094	0		0.038515	0.001908	18.118	0.105664	4.6281	0.041573	129.39	1.361938	31.47875	0.16758	67.328	0.358622	0.15355	0.000149	0
25.741	0.013041	0		0.036142	0.002473	17.774	0.208209	4.1556	0.035509	128.91	0.431069	29.95035	0.217186	64.059	0.464778	0.15288	0.002985	0
25.925	0.044332	0		0.034673	0.000144	18.033	0.136357	4.2088	0.024341	124.49	0.260422	29.7811	0.380859	63.697	0.815037	0.15522	0.000224	0
25.871	0.279539	0		0.035189	0.004083	17.927	0.282827	4.2411	0.04965	122.34	0.64483	30.02843	0.731423	64.226	1.565246	0.15496	0.002488	0
14.139		1.4679		0.043257		16.406		3.9416		183.28		30.66242		65.582		0.13635		0
27.886	0.278111	0		0.038202	0.001764	18.757	0.018622	4.9535	0.020687	121.99	0.44791	32.45919	0.101952	69.425	0.218177	0.16681	0.000656	0
27.246	0.19143	0		0.036407	0.001286	18.79	0.214146	4.8725	0.07001	119.96	0.950294	32.23243	0.3419	68.94	0.731667	0.16815	0.001142	0
27.665	0.095455	0		0.034892	0.003783	18.753	0.087354	4.9192	0.053206	118.6	0.309102	32.20064	0.24376	68.872	0.521647	0.16961	0.000133	0
26.392	0.205769	0		0.039901	0.002466	17.802	0.179821	4.6821	0.041317	109.27	1.174281	30.28091	0.18943	64.766	0.40538	0.16155	0.000513	0
26.848	0.093728	0		0.042507	0.003174	18.483	0.086018	4.8054	0.023074	111.31	0.373244	31.20197	0.012687	66.736	0.027151	0.16826	0.000296	0
27.084	0.116573	0		0.04489	0.003515	18.774	0.022089	4.8945	0.011124	111.03	0.841174	31.55216	0.098725	67.485	0.211272	0.16976	0.000195	0
25.403	0.161789	0		0.03286	0.000336	19.659	0.078506	4.6661	0.002791	109.89	0.819957	31.81164	0.134769	68.04	0.288405	0.17619	0.002332	0
25.768	0.197497	0		0.029194	0.001243	19.521	0.199887	4.6739	0.048903	109.64	1.072678	31.9851	0.335191	68.411	0.717309	0.17491	0.001675	0
23.252		0		0.041148		16.518		4.4303		181.17		32.10526		68.668		0.14209		0
5.5604	0.03211	0		0.028326	0.000318	18.647	0.085214	3.7409	0.018044	117.71	0.937185	29.93586	0.231953	64.028	0.49638	0.1444	0.000567	0
24.12	0.018406	1.4769	0.005058199	0.040608	0.000941	17.382	0.188217	4.2539	0.0453	105.82	0.442676	30.20236	0.088869	64.598	0.190179	0.16032	0.000849	0
24.363	0.007276	0.95073	0.077477111	0.043627	0.004608	16.575	0.163037	4.1399	0.013208	171.74	0.574802	31.90656	0.184576	68.243	0.394993	0.1505	7.21E-05	0
24.985	0.066402	1.3264	0.053588368	0.048561	0.00038	17.869	0.03111	4.3643	0.017611	112.75	0.532647	31.1281	0.0118	66.578	0.025251	0.16446	0.001376	0
23.103	0.320981	0.73514	0.014270269	0.045877	0.001063	16.174	0.199024	4.089	0.032349	141.81	0.10587	30.90087	0.119509	66.092	0.25575	0.15085	0.001482	0
24.258	0.158198	0.60471	0.017855925	0.045372	0.003702	17.612	0.062261	4.3166	0.004034	109.09	0.883842	30.57265	0.176348	65.39	0.377386	0.16618	0.000449	0
23.648	0.146817	0		0.043402	0.000557	16.086	0.058075	4.1344	0.019375	143.06	3.024666	31.12763	0.069874	66.577	0.149531	0.15281	7.9E-05	0
24.181	0.197233	0		0.044913	0.000545	17.637	0.105896	4.3619	0.007988	107.12	1.665285	30.56985	0.003906	65.384	0.008358	0.16637	0.000386	0
23.832	0.126085	0		0.04454	0.001048	16.851	0.010642	4.1978	0.00498	143.67	0.571697	30.86954	0.089391	66.025	0.191296	0.15678	0.001873	0
24.396	0.07733	1.059	0.002673783	0.046575	0.006936	17.842	0.177821	4.4098	0.006335	107.03	0.38746	30.9364	0.101448	66.168	0.217099	0.17063	0.001017	0
23.327	0.035279	0.56497	0.019877479	0.048637	0.001396	16.655	0.005579	4.1891	0.008211	124.38	0.236498	31.04628	0.01393	66.403	0.02981	0.15902	0.001099	0
24.103	0.286694	0		0.045466	0.000613	17.648	0.046638	4.35	0.006879	106.79	0.989347	30.49598	0.319777	65.226	0.684324	0.16814	0.000744	0
23.501	0.015307	0		0.045522	0.000697	16.693	0.122734	4.2014	0.021197	149.06	0.167555	31.01402	0.010009	66.334	0.021419	0.1548	4.07E-05	0
24.021	0.235783	0		0.044978	0.000652	17.894	0.117803	4.421	0.049104	112.01	0.361976	30.75546	0.122543	65.781	0.262242	0.16855	0.000932	0
23.258	0.020408	1.1755	0.048093283	0.04634	0.001486	16.813	0.04828	4.2873	0.018875	131.82	1.557386	30.78913	0.021118	65.853	0.045193	0.16248	0.000526	0
24.628	0.134901	0		0.043217	0.001567	17.799	0.11522	4.4136	0.032527	110.95	0.666441	30.85458	0.191113	65.993	0.408981	0.16732	0.001394	0

Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
23.926	0.107917	0		0.044537	0.002278	17.849	0.036539	4.3517	0.02885	110.08	0.475934	30.53525	0.183794	65.31	0.393319	0.17085	0.000808	0
23.713	0.067762	0		0.040613	0.002665	17.646	0.129673	4.348	0.039764	107.9	0.914127	30.2968	0.012569	64.8	0.026899	0.17238	0.000385	0
23.704	0.018554	0		0.046392	0.001682	17.983	0.029985	4.4273	0.01559	107.87	0.12501	30.58014	0.077811	65.406	0.166515	0.1732	6.43E-05	0
4.3189		1.5208		0.040365		17.287		4.1348		121.84		28.61599		61.205		0.16582		0
1.3381		1.5006		0.038683		16.807		4.1577		118.72		27.90766		59.69		0.15957		0
16.313	0.125579	1.8785	0.031790534	0.03878	0.001697	17.672	0.039257	4.0039	0.006672	83.083	0.611128	28.39998	0.013284	60.743	0.028429	0.16761	0.000262	0
22.993	0.054808	1.3096	0.061982203	0.039182	0.002474	17.067	0.182668	4.1549	0.048949	126.51	0.310013	30.08734	0.095228	64.352	0.203787	0.16393	0.002544	0
22.484	0.075785	0.94794	0.016207174	0.040396	0.00222	17.309	0.124843	4.15	0.022819	123.95	0.526113	29.5824	0.002705	63.272	0.005789	0.16576	0.001066	0
24.237	0.022132	5.1794	0.062442728	0.03767	0.00199	17.789	0.023628	4.3894	0.026378	118.31	0.525689	31.1309	0.012657	66.584	0.027087	0.17423	0.000747	0
22.353	0.21194	2.2191	0.00498433	0.033946	0.001578	16.975	0.085494	4.2512	0.005811	125.95	0.909888	30.99812	0.159344	66.3	0.340997	0.16393	0.001125	0
25.645	0.018242	2.0893	0.063696299	0.038428	0.003163	17.763	0.037295	4.3834	0.01048	115.7	0.738605	30.88778	0.157151	66.064	0.336303	0.17648	0.000651	0
3.7588	0.057411	2.1466	0.020226824	0.03913	0.00048	17.365	0.224262	4.4187	0.073193	116.57	0.467185	29.81103	0.512435	63.761	1.09661	0.17971	7.19E-05	0
0.023964	3.99E-05	1.8353	0.016160373	0.038523	0.000775	17.664	0.020722	4.2076	0.011083	124.56	0.804042	28.37333	0.026224	60.686	0.056119	0.20136	0.000478	0
0.011557	8.47E-05	1.5949	0.027274151	0.037106	0.000906	17.392	0.235698	3.9109	0.033261	139.77	1.089512	24.00367	0.171378	51.34	0.366748	0.18764	0.003109	0
0.013926	1.61E-05	1.8217	0.003481426	0.039567	0.00042	18.055	0.005303	3.9297	0.027603	122.52	0.206087	25.85561	0.199132	55.301	0.426141	0.20279	0.002566	0
0.012148	2.18E-05	1.8229	0.009476951	0.039251	0.000333	17.891	0.07754	2.0035	0.013186	123.38	0.545799	25.97624	0.085044	55.559	0.181994	0.2025	0.000105	0
0.005502	0.000164	1.7012	0.01069316	0.03868	0.000178	17.607	0.098736	0.8069	0.003446	131.27	0.423247	24.84244	0.040881	53.134	0.087486	0.20013	0.000757	0
0.043756	0.000169	1.7323	0.003132868	0.038923	0.000417	17.474	0.299236	2.6044	0.023734	123.78	0.101771	25.37591	0.258063	54.275	0.552254	0.19288	0.001603	0
0.009348	0.000192	1.9174	0.002550515	0.040547	0.000163	16.537	0.080737	1.9983	0.02427	137.97	1.801129	23.0036	0.09975	49.201	0.213465	0.198	0.000374	0
0.036325	0.000277	2.0193	0.00741978	0.040921	0.000901	16.09	0.173168	2.1028	0.011725	157.74	0.083581	22.12649	0.136394	47.325	0.291882	0.19736	0.003025	0
1.4494	0.011706	2.0197	0.019258151	0.04045	0.00081	15.873	0.068888	2.2247	0.038389	159.5	0.279388	22.70063	0.068506	48.553	0.146603	0.1962	0.004262	0
0.011411	0.000206	2.2076	0.009930859	0.042845	0.000864	16.49	0.133039	2.2116	0.009925	171.98	1.084699	23.03913	0.21423	49.277	0.458452	0.20117	0.001014	0
0.02849	0.000338	2.1347	0.017333677	0.04142	2.02E-05	16.088	0.16581	2.2426	0.040051	163.92	0.528224	22.48088	0.156588	48.083	0.335099	0.19519	0.003442	0
0.030332	0.000262	1.8576	0.00510551	0.041436	7.7E-05	16.824	0.184512	3.9126	0.056306	124.17	0.057533	25.33243	0.162119	54.182	0.346935	0.18833	0.000401	0
0.004591	7.28E-05	1.9555	0.009608906	0.041463	0.000678	16.663	0.179019	3.2862	0.029482	138.7	1.432088	24.31085	0.118309	51.997	0.253181	0.19193	0.002103	0
0.009497	4.36E-05	1.8273	0.032855211	0.04081	0.001095	16.485	0.091929	2.9763	0.017574	126.25	0.439802	24.65963	0.599859	52.743	1.283698	0.18194	0.003188	0
0.013983	7.15E-06	1.8356	0.034245722	0.041404	0.001189	16.395	0.287186	3.6211	0.015334	130.89	2.802735	25.08884	0.61596	53.661	1.318154	0.18357	0.000964	0
0.062888	0.000457	1.6838	0.017004882	0.040399	0.00012	18.077	0.373525	4.2235	0.042049	101.21	0.303432	25.75415	0.227607	55.084	0.487079	0.1852	0.002452	0
0.019393	0.000159	1.7422	0.002490744	0.040438	0.000523	17.003	0.126418	3.4176	0.031114	115.04	0.055321	25.36048	0.173269	54.242	0.370795	0.17704	0.000896	0
0.032486	0.00025	1.9258	0.00089638	0.043886	0.000329	16.725	0.07865	2.822	0.008621	127.38	0.292162	25.37918	0.173378	54.282	0.371029	0.18409	0.003437	0
0.017274	5.5E-05	1.7323	0.004115483	0.040425	0.00014	17.28	0.118505	3.4422	0.007782	112.96	0.467985	25.53347	0.082507	54.612	0.176564	0.17484	0.00273	0
0.01742	0.000165	1.8684	0.019680418	0.041998	0.000661	17.972	0.244601	3.5267	0.022325	120.87	0.850133	25.72844	0.325789	55.029	0.697188	0.18019	0.003345	0
0.37832	0.000661	1.8426	0.032857314	0.043071	0.000594	18.765	0.348126	3.9526	0.000222	109.43	1.046069	25.77005	0.052511	55.118	0.112374	0.18425	0.000617	0
0.090754	0.000237	1.829	0.002202521	0.043572	0.000192	19.414	0.065908	4.3502	0.015392	98.261	0.750263	25.90517	0.013782	55.407	0.029494	0.18884	0.002439	0
0.13255	0.001306	1.8351	0.035863052	0.042663	0.000227	17.851	0.238524	2.1253	0.049264	113.91	0.831878	24.46514	0.437692	52.327	0.936661	0.17201	0.000268	0
0.049469	0.000157	1.8293	0.010653359	0.042749	0.00016	17.804	0.007173	2.4825	0.03657	113.55	0.558098	25.11783	0.213513	53.723	0.456918	0.17124	0.005864	0
0.26044	0.002552	1.5696	0.020801667	0.037185	0.00012	17.001	0.232113	3.8014	0.014894	90.697	1.848544	21.64305	0.101043	46.291	0.216231	0.16368	0.005794	0
0.030119	0.000192	1.7618	0.015831689	0.041053	0.000766	17.983	0.323979	4.1745	0.059089	109.61	0.135931	26.27687	0.248192	56.202	0.531132	0.17257	0.001884	0
0.027216	1.05E-05	1.7356	0.004249428	0.040411	0.000909	17.509	0.238415	3.6554	0.050486	109.9	0.68148	25.71722	0.01561	55.005	0.033405	0.17173	0.00099	0
2.1442	0.003989	1.6049	0.01075299	0.041282	0.000696	18.855	0.266893	4.4002	0.006718	87.554	0.941972	26.37645	0.187177	56.415	0.400559	0.17799	0.001425	0
0.061411	0.000329	1.661	0.007311042	0.040475	0.000584	18.616	0.062228	4.4737	0.047085	89.598	0.585238	25.99026	0.43493	55.589	0.930749	0.17929	0.002235	0

Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
0.064757	0.000271	1.6774	0.024799493	0.041141	0.000471	19.069	0.078201	4.4779	0.006405	89.138	0.253822	26.28201	0.173253	56.213	0.370762	0.18223	0.002047	0
0.089517	0.000402	1.5773	0.022335474	0.041089	0.000169	19.323	0.043445	4.6485	0.052578	80.925	1.692631	25.51243	0.194125	54.567	0.415427	0.18162	0.001496	0
0.046871	0.000252	1.6325	0.012282442	0.042857	0.000482	19.514	0.012157	3.6623	0.023608	90.492	0.158227	20.04311	0.238043	42.869	0.509413	0.17157	0.002212	0
0.027067	0.00014	1.6382	0.013450259	0.039972	0.000567	16.327	0.012433	3.4496	0.003063	101.18	0.677595	23.80076	0.015276	50.906	0.032691	0.14874	0.001391	0
0.13961	8.99E-05	1.6669	0.003189213	0.039509	0.000454	17.467	0.11528	3.5423	0.060123	100.61	0.915863	24.32113	0.079803	52.019	0.170779	0.16067	0.001403	0
0.09663	0.001169	1.7121	0.003781528	0.039367	0.000848	16.025	0.067748	2.9537	0.013822	106.55	0.31347	23.40802	0.074925	50.066	0.16034	0.14926	0.00246	0
0.16001	0.000253	1.6435	0.007835274	0.03975	0.000363	16.949	0.167942	3.3174	0.018847	107.08	0.128442	24.04295	0.061653	51.424	0.131937	0.15815	0.001302	0
0.11787	0.000835	1.7156	0.012740751	0.039434	0.000144	16.737	0.00761	2.8617	0.005098	112.6	0.532037	21.75526	0.092439	46.531	0.197819	0.1469	0.000141	0
0.15115	0.000322	1.8076	0.014296167	0.040788	0.000132	17.03	0.196915	2.9031	0.02714	121.33	0.6191	24.63626	0.015754	52.693	0.033714	0.15751	0.000591	0
1.0577	0.000654	1.8416	0.043132558	0.038975	0.001193	15.934	0.002933	2.7013	0.050131	132.09	2.085559	23.9831	0.264195	51.296	0.565378	0.14726	0.003204	0
0.23198	0.001072	1.8691	0.019250284	0.03668	5.43E-05	11.182	0.137621	1.6389	0.000108	177.33	1.08606	25.55171	0.157363	54.651	0.336756	0.11712	0.000836	0
0.24405	0.000893	1.7695	0.006842268	0.035491	8.19E-05	10.825	0.010951	1.6657	0.009602	176.62	3.598567	26.6523	0.191641	57.005	0.410112	0.11845	0.000353	0
0.097487	0.001319	2.035	0.026125274	0.035867	0.001129	11.523	0.206285	1.8941	0.015446	174.85	1.810986	25.69805	0.360898	54.964	0.772322	0.12618	0.000196	0
0.15311	0.000498	2.3362	0.004145128	0.040525	0.000668	13.331	0.158005	2.3015	0.013567	189.33	2.923855	23.38745	0.206851	50.022	0.44266	0.14115	0.001453	0
0.43425	0.003034	1.9063	0.019475848	0.037398	4.63E-05	12.443	0.061631	2.7825	0.014655	128.19	0.352028	25.26323	0.048909	54.034	0.104666	0.12878	0.001301	0
0.97012	0.009664	1.7747	0.014196465	0.040876	0.000431	15.015	0.248132	3.3455	0.037991	98.13	0.036622	27.38635	0.474108	58.575	1.014592	0.15267	0.001051	0
1.1339	0.004224	1.7126	0.012132202	0.039427	6.49E-05	15.557	0.075805	3.7345	0.012528	88.173	0.739132	27.59207	0.241638	59.015	0.517106	0.15305	0.001329	0
0.48519	0.000766	1.5445	0.013450752	0.037612	0.000362	16.741	0.004933	3.801	0.014646	67.995	0.451483	26.33484	0.410424	56.326	0.878307	0.16069	0.001605	0
2.8336	0.006431	1.5711	0.005667311	0.036885	1E-05	16.163	0.106265	4	0.011455	79.558	1.372598	27.03335	0.27342	57.82	0.585118	0.15978	0.000646	0
4.3983	0.122915	1.6057	0.018242983	0.037986	0.001475	17.076	0.425042	4.2768	0.114099	70.284	0.646015	27.88522	0.58532	59.642	1.252586	0.17216	0.00299	0
2.6158	0.011839	1.6403	0.015904895	0.038216	0.000339	16.825	0.279119	4.1864	0.046696	78.461	0.297943	26.93517	0.02039	57.61	0.043634	0.16714	0.002568	0
12.881	0.001982	1.5932	0.001396015	0.036761	0.000113	17.39	0.353981	4.0086	0.013863	63.564	0.131133	28.33406	0.284025	60.602	0.607813	0.17476	0.000807	0
12.584	0.070991	1.6931	0.020647315	0.037522	0.000292	17.162	0.016328	4.0881	0.010509	66.32	0.103445	28.83199	0.229597	61.667	0.491337	0.17191	0.000945	0
5.1517	0.036978	1.666	0.000704896	0.036553	0.000265	16.716	0.171593	4.1626	0.008623	70.254	0.732917	26.67568	0.066608	57.055	0.142542	0.16383	5.06E-06	0
12.076	0.115827	1.5619	0.008082186	0.034689	0.000218	16.349	0.167732	4.0332	0.018405	63.362	0.086507	27.341	0.280578	58.478	0.600437	0.16428	0.000481	0
6.2914	0.024633	1.404	0.004587964	0.03185	0.000212	15.91	0.127073	3.6427	0.005383	64.954	0.0041	25.73171	0.027135	55.036	0.058069	0.16739	0.000728	0
8.8463	0.014469	1.4092	0.000808364	0.033348	3.8E-05	16.803	0.022859	3.9774	0.028618	62.066	0.16952	27.79498	0.345788	59.449	0.739987	0.18157	0.000108	0
11.704	0.039332	1.4061	0.000747349	0.03357	0.000233	16.164	0.169606	3.782	0.051802	73.712	0.086363	28.35229	0.191023	60.641	0.408788	0.1714	0.000678	0
9.6535	0.156157	1.4029	0.005980588	0.032393	4.35E-05	16.19	0.068085	3.7802	0.048905	62.644	0.264591	26.73132	0.049333	57.174	0.105573	0.17096	0.004874	0
8.1783	0.063456	1.4103	0.005401857	0.033023	0.00011	16.068	0.173559	3.5996	0.089549	68.057	1.214212	27.23346	0.209102	58.248	0.447478	0.16953	3.85E-06	0
11.299	0.050924	1.3886	0.002169533	0.032298	4.29E-05	16.446	0.235553	3.7408	0.009911	61.639	0.030964	27.59908	0.339183	59.03	0.725852	0.17318	0.0027	0
9.6276	0.029002	1.4082	0.010853321	0.032539	0.000456	16.449	0.146552	3.8046	0.031526	67.655	0.372442	27.88615	0.041383	59.644	0.08856	0.1731	0.002517	0
10.613	0.127342	1.3832	0.013123902	0.032938	0.000243	16.437	0.024673	3.9246	0.083592	61.458	0.123249	28.02688	0.187496	59.945	0.40124	0.17077	0.001544	0
9.1142	0.102911	1.3759	0.01710807	0.032878	0.000405	16.5	0.132286	3.9803	0.043392	68.258	0.102183	28.55848	0.231387	61.082	0.495168	0.1687	0.000456	0
11.964	0.134846	1.4156	0.002232841	0.032835	7.9E-05	16.382	0.189961	3.8747	0.034502	63.889	0.873088	28.59541	0.074167	61.161	0.158717	0.17042	8.45E-05	0
11.759	0.142253	1.3929	0.010015598	0.033068	0.000386	16.32	0.046259	3.8347	0.005402	67.143	0.521254	29.16769	0.140678	62.385	0.301051	0.168	0.001798	0
13.664	0.013219	1.3752	0.010910253	0.032355	0.000191	16.488	0.198154	3.6691	0.009049	59.004	0.466213	28.68846	0.072505	61.36	0.155161	0.16947	0.000615	0
12.911	0.254393	1.4844	0.016495452	0.035596	0.000304	16.496	0.067907	3.9245	0.038317	70.865	0.250106	29.19247	0.119107	62.438	0.254889	0.17566	0.001275	0
12.554	0.212455	1.3026	0.0271775	0.041283	2.67E-05	17.63	0.22567	3.5211	0.020963	51.711	0.171466	27.84641	0.321917	59.559	0.688902	0.17724	0.003942	0
12.261	0.081113	1.2388	0.020827277	0.040816	0.000298	17.523	0.040977	3.6134	0.015333	47.782	0.065975	27.13621	0.159311	58.04	0.340925	0.17816	0.001592	0
12.279	0.044603	1.2918	0.019208755	0.043003	9.99E-05	17.916	0.308572	3.5257	0.046798	45.868	0.477484	27.09133	0.400417	57.944	0.856892	0.17893	0.00172	0

Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
13.41	0.065653	1.272	0.010064426	0.042858	0.001912	17.336	0.206261	3.7574	0.001685	55.466	0.107597	28.36258	0.101382	60.663	0.216958	0.17386	0.000492	0
11.599	0.013879	1.2021	0.032370557	0.041497	0.000722	17.128	0.118407	3.5188	0.022285	49.036	0.38785	28.11104	0.132417	60.125	0.283372	0.17019	0.001861	0
11.979	0.111706	1.6092	0.016518459	0.037999	0.000808	17.686	0.119633	3.6882	0.078939	50.382	0.07495	28.28403	0.201534	60.495	0.431282	0.17438	0.000315	0
12.411	0.004656	1.5368	0.013723453	0.036762	0.000402	17.239	0.058432	3.6272	0.004314	49.951	0.000559	27.81742	0.017083	59.497	0.036558	0.17218	0.002707	0
12.457	0.079948	1.474	0.009160573	0.03645	0.001346	17.391	0.049098	3.6662	0.024087	48.79	0.105951	28.12179	0.133701	60.148	0.28612	0.17176	0.001103	0
12.415	0.229439	1.4185	0.03331995	0.033255	0.001309	17.234	0.375905	3.5897	0.068576	47.111	1.283417	27.65144	0.370576	59.142	0.793033	0.16936	0.002146	0
12.168	0.121041	1.6885	0.00303708	0.038744	0.000108	18.158	0.262928	3.6583	0.028728	47.798	0.110353	27.6809	0.0827	59.205	0.176977	0.1731	0.000836	0
11.508	0.078388	1.7014	0.016024655	0.039155	0.0002	18.353	0.166057	3.5052	0.035709	46.691	1.180191	27.3784	0.172007	58.558	0.368095	0.17757	0.004542	0
12.514	0.072335	1.5955	0.01558248	0.038846	0.000862	17.632	0.106186	3.4879	0.015863	49.617	0.518805	28.29198	0.091177	60.512	0.195118	0.1782	0.000509	0
11.91	0.103155	1.5545	0.007898133	0.038101	0.00092	17.316	0.290903	3.4137	0.085086	48.772	0.795194	27.55233	0.182826	58.93	0.391248	0.17861	0.003149	0
10.307	0.21607	1.5814	0.025539836	0.038838	0.001057	17.882	0.203709	3.309	0.074143	43.834	0.677614	26.91506	0.304938	57.567	0.652567	0.18011	0.003057	0
12.875	0.088509	1.6776	0.021673245	0.038785	0.000506	17.52	0.18108	3.5763	0.031776	48.043	0.370238	28.78383	0.240456	61.564	0.514576	0.18303	0.001228	0
11.449	0.0188	1.6354	0.018826334	0.038907	0.000492	17.696	0.07023	3.6609	0.004955	51.008	0.084528	29.54874	0.293933	63.2	0.629016	0.18601	0.003225	0
12.317	0.076376	1.6182	0.027485011	0.037701	0.000209	17.508	0.322445	3.5006	0.024828	46.656	0.892126	28.49349	0.407726	60.943	0.872533	0.1818	0.003212	0
12.724	0.052525	1.6348	0.004518268	0.038514	0.000308	17.848	0.145945	3.6353	0.001727	45.87	0.388152	28.62721	0.159947	61.229	0.342286	0.18317	0.001892	0
12.641	0.161711	1.637	0.010276952	0.038188	0.000568	17.691	0.195058	3.6002	0.001761	45.764	0.219655	28.75999	0.192865	61.513	0.412731	0.18319	0.002279	0
12.472	0.060567	1.6246	0.00403701	0.038291	0.000746	17.447	0.038843	3.6051	0.036367	45.527	0.589238	28.52482	0.181922	61.01	0.389314	0.17921	0.000713	0
12.212	0.207544	1.601	0.02788874	0.037576	1.88E-06	17.41	0.039955	3.4219	0.045157	43.216	0.697457	27.70287	0.401023	59.252	0.85819	0.17473	0.003538	0
12.002	0.118141	1.5245	0.009314382	0.035702	0.00014	16.937	0.108025	3.364	0.012981	40.128	0.175777	27.05439	0.206115	57.865	0.441086	0.17326	0.002561	0
12.47	0.144203	1.6338	0.001321005	0.037226	0.000539	17.648	0.102614	3.5399	0.048109	43.186	0.030898	28.06195	0.154386	60.02	0.330387	0.17638	0.001745	0
12.409	0.045081	1.4798	0.008423584	0.034443	0.000639	16.599	0.075026	3.4585	0.010384	40.674	0.260737	27.44573	0.128987	58.702	0.276032	0.17195	0.000733	0
12.138	0.135763	1.5011	0.025595971	0.034416	0.000194	16.49	0.211914	3.2931	0.046421	38.782	0.336734	27.29938	0.601787	58.389	1.287823	0.17338	0.002171	0
10.122	0.151363	1.5476	0.023943073	0.035557	0.000501	17.296	0.16553	3.3413	0.032942	35.546	0.774185	26.5429	0.191653	56.771	0.410138	0.17421	0.002889	0

Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
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stdev (Ti)	Zn(ppm)	stdev (Zn)	Cr OES est. (ppm)	stdev (Cr OES)
	0		0.775128	0.006421
	0.23904	0.000304	0.744874	0.00262
	0		0.808157	0.003565
	0		0.814107	0.030581
	0		0.798382	0.007498
	0		0.790796	0.017722
	0		0.764782	0.008103
	0		0.793816	0.025877
	0		0.818117	0.02351
	0		0.8013	0.041921
	0		0.797673	0.029352
	0		0.799344	0.00994
	0		0.814192	0.003905
	0		0.782753	0.022992
	0.26212	0.000827	0.681114	0.196721
	0		0.798039	0.00533
	0.19012	0.007883	0.008041	0.003983
	0.68753	0.004059	0.125825	0.010075
	1.1223	0.002051	0.498683	0.0042
0.003246930	0.3287	0.01762	0.155432	0.010636
0.001747597	0.37812	0.039699	0.137975	0.010347
0.000079597	0.33656	0.021856	0.144361	0.00769
0.002296828	0.70685	0.00917	0.349776	0.005124
0.003311307	0.47574	0.012926	0.290612	0.004043
0.001483714	0.35354	0.001606	0.164194	0.007852
0.003236752	0		0.09324	0.007431
0.001115482	0		0.069207	0.006578
0.000840322	0		0.062894	0.017353
0.002683903	0		0.070147	0.002407
0.006880337	0		0.072424	0.007332
0.002941030	0		0.059289	0.00389
0.005787238	0		0.05938	0.007202
0.002049343	0		0.0772	0.002929
0.005245788	0		0.070149	0.001976
0.002585323	0		0.093374	0.009985
0.002981046	0		0.077978	0.014035
0.002437235	0		0.070829	0.005399
0.001531218	0		0.071246	0.014231
0.004361833	0		0.069098	0.000498
0.003217944	0.33419	0.011809	0.082781	0.012081

DATE ICPMS2a	Ag(ppm)	stdev (Ag)	Al ICPMS (ppm)	stdev (Al)	As(ppm)	stdev (As)	Ba ICPMS (ppm)	stdev (Ba)	Be(ppm)	stdev (Be)	Cd(ppm)	stdev (Cd)	Co(ppm)	stdev (Co)
10/30/2017	0.003364	0.000637	0.128329	0.005844	0.000731	0.000314	0.054854	0.000339	0		0		0.000531	0.000142
10/12/2017	0		0		0		0.049822	0.001134	0		0		0	
10/30/2017	0.001994	0.000152	0.125692	0.004393	0.001276	0.000644	0.053262	0.00073	0		0		0.000564	3.1E-05
10/30/2017	0		0.129509	0.004535	0.001124	0.000217	0.055172	0.001348	0		0		0.000722	3.37E-05
10/30/2017	0		0.141848	0.010899	0.001734	0.000518	0.051245	0.000356	0		0		0.000384	5.44E-05
10/30/2017	0		0.154037	0.003436	0.002431	0.001059	0.050721	0.001157	0		0		0.000412	0.000184
10/30/2017	0.001631	0.001898	0.147092	0.004036	0.000838	0.001094	0.051197	0.000795	0		0		0.000765	4.93E-05
10/30/2017	0		0.144248	0.003031	0.001294	0.001476	0.053187	0.000703	0		0		0.000527	0.000174
1/4/2018	0.014397	0.000918	0.178297	0.009744	0.00161	0.00033	0.057904	0.001161	0		0		0.000455	0.000226
10/30/2017	0.005672	0.000416	0.13823	0.007615	0.001712	0.000954	0.052116	0.001294	0.000483	0.000379	0		0.000611	0.000203
10/30/2017	0.004343	0.000368	0.132723	0.003263	0.000698	0.001063	0.052955	0.00113	0		0		0.000481	6.95E-05
10/30/2017	0.003761	0.00016	0.14192	0.003091	0.000548	0.000732	0.050406	0.000549	0		0		0.000436	4.48E-05
10/30/2017	0.002567	0.00026	0.144045	0.006618	0.000799	0.000238	0.050748	0.001699	0		0		0.000449	0.000104
10/30/2017	0.00315	0.000113	0.144608	0.004728	0.000916	0.000445	0.052919	0.000346	0		0		0.000567	0.000155
11/22/2017	0		0		0		0.054531	0.001472	0		0		0	
10/12/2017	0		0		0		0.050087	0.002119	0		0		0	
10/12/2017	0		0		0		0.026176	0.000398	0		0		0	
10/12/2017	0		0		0.043705	0.001351	0.060302	0.00056	0		0		0.009805	0.000176
11/27/2017	0		0		0.078683	0.003571	0.083239	0.00099	0		0		0.013748	0.00048
11/27/2017	0		0.294499	0.030316	0.1141	0.008922	0.077692	0.00037	0		0		0.022582	0.001601
11/27/2017	0.027763	0.003262	0.713023	0.070553	0.11762	0.007195	0.091741	0.00048	0		0		0.030864	0.001137
11/27/2017	0.025754	0.002896	0.970705	0.080413	0.12214	0.004888	0.127929	0.002584	0		0		0.038363	9.49E-05
11/27/2017	0.022531	0.002548	0.872607	0.090185	0.14427	0.010234	0.121195	0.005797	0		0		0.04979	0.000991
11/27/2017	0.022639	0.002486	0.710606	0.024982	0.14713	0.007515	0.110957	0.000516	0		0		0.049195	0.002538
11/27/2017	0		0.495788	0.040678	0.13996	0.004369	0.111815	0.001981	0		0		0.076102	0.000931
10/12/2017	0		0		0.1494	0.012258	0.088433	0.00293	0		0		0.087001	0.006834
11/27/2017	0		0		0.15243	0.011136	0.096433	0.002114	0		0		0.10534	0.005462
10/12/2017	0		0		0.15268	0.002444	0.087328	0.000456	0		0		0.1041	0.002776
10/12/2017	0		0		0.14613	0.010231	0.081701	0.001187	0		0		0.10819	0.004974
10/12/2017	0		0		0.14431	0.009473	0.063213	0.00045	0		0		0.11978	0.008392
10/12/2017	0		0		0.14171	0.005553	0.057828	0.001251	0		0		0.11529	0.004942
10/12/2017	0		0		0.14807	0.007062	0.093932	0.002122	0		0		0.0937	0.002108
11/27/2017	0		0		0.15514	0.01313	0.066481	0.00245	0		0		0.12838	0.004664
11/27/2017	0		0		0.15533	0.015239	0.06357	0.001845	0		0		0.12708	0.001477
11/22/2017	0		0		0.14886	0.002371	0.059046	0.000713	0		0		0.13459	0.00455
11/27/2017	0		0		0.15424	0.013281	0.05709	0.001811	0		0		0.13021	0.003399
10/12/2017	0		0		0.13956	0.013251	0.050727	0.000134	0		0		0.11479	0.000344
10/12/2017	0		0		0.14716	0.005256	0.047426	0.000496	0		0		0.11000	0.000925
10/12/2017	0		0		0.13955	0.001444	0.041195	0.000391	0		0		0.10912	0.002823
10/12/2017	0		0		0.13597	0.008885	0.041489	0.00104	0		0		0.1096	0.002995

stdev (Ti)	Zn(ppm)	stdev (Zn)	Cr OES est. (ppm)	stdev (Cr OES)
0.002426478	0.37821	0.032791	0.070084	0.003102
0.001686393	0.44368	0.015008	0.064798	0.012466
0.002230911	0.42848	0.037209	0.060298	0.018873
0.002186276	0.48594	0.029684	0.077185	0.007047
0.000000318	0.47791	0.002928	0.08375	0.008053
0.002650015	0.55529	0.032898	0.087173	0.02062
0.003816014	0.54202	0.037054	0.077091	0.002493
	0.18481	0.01533	0.107314	0.011786
0.004909784	0		0.063692	0.003793
0.004249089	0		0.059434	0.013517
0.001596688	0		0.069161	0.013139
0.0066183	0		0.06999	0.002544
0.003303331	0		0.064938	0.028431
0.000733229	0		0.083023	0.001337
0.002443516	0		0.062859	0.003068
0.001518016	0		0.059665	0.004793
0.001365673	0		0.045293	0.005215
0.005804744	0		0.063361	0.003069
0.000823622	0		0.048277	0.016669
0.001373481	0		0.04913	0.005889
0.001295519	0		0.052725	0.014254
0.007631396	0		0.053655	0.012521
0.002136606	0		0.044661	0.014492
0.003751624	0		0.035081	0.000694
0.009238925	0		0.044633	0.009002
0.000879273	0		0.034466	0.000514
0.00404241	0		0.035822	0.006013
0.010717294	0		0	
0.002146424	0		0.046594	0.000704
0.000339429	0.32317	0.031052	0.029507	0.001442
0.000728602	0.11288	0.001596	0.021388	0.002239
0.001251174	0.11361	0.006724	0.022941	0.002134
0.00061635	0.10149	0.000707	0.034134	0.000471
0.000557624	0.090106	0.009024	0.032926	4.14E-07
0.000270319	0		0.010517	0.000599
0.001053251	0		0.007828	0.002173
0.000180618	0		0.012172	0.000548
0.000199933	0.074339	0.002228	0.016047	0.000503
0.000182389	0.055235	0.000492	0.014897	0.00083
7.79681E-06	0		0.014455	0.000412
0.001466328	0.056435	0.001196	0.014162	0.000979

DATE ICPMS2a	Ag(ppm)	stdev (Ag)	Al ICPMS (ppm)	stdev (Al)	As(ppm)	stdev (As)	Ba ICPMS (ppm)	stdev (Ba)	Be(ppm)	stdev (Be)	Cd(ppm)	stdev (Cd)	Co(ppm)	stdev (Co)
10/12/2017	0		0		0.14946	0.001573	0.039705	0.000208	0		0		0.10702	0.001343
10/12/2017	0		0		0.14149	0.008569	0.039764	0.000951	0		0		0.1026	0.002245
10/12/2017	0		0.201484	0.003486	0.14306	0.007048	0.038985	0.00095	0		0		0.10028	0.004026
10/12/2017	0		0		0.1353	0.005273	0.033977	0.000209	0		0		0.095272	0.000144
10/12/2017	0		0		0.13332	0.007404	0.033232	0.000265	0		0		0.09369	0.002603
10/12/2017	0		0		0.1351	0.005079	0.032952	0.00049	0		0		0.089801	0.004959
10/12/2017	0		0		0.13311	0.00397	0.031292	0.000582	0		0		0.088469	0.00089
10/12/2017	0		0		0.13425	0.006072	0.031568	1.26E-05	0		0		0.083678	0.001562
9/7/2017	0		0		0.13589	0.004677	0.029449	0.000256	0		0		0.082463	0.001967
9/7/2017	0		0.021537	0.001227	0.13845	0.001037	0.02859	0.000697	0		0		0.072912	0.001799
9/7/2017	0		0.023295	0.001049	0.13889	0.00272	0.027693	0.000265	0		0		0.067434	0.002309
9/7/2017	0		0.020612	0.000626	0.13298	0.002435	0.026638	0.000464	0		0		0.063759	0.001921
9/7/2017	0		0.031692	0.00053	0.12742	0.001562	0.02613	0.000335	0		0		0.057675	0.001132
9/7/2017	0		0.022181	0.000268	0.12231	0.002312	0.025038	0.000114	0		0		0.053216	0.000531
9/7/2017	0		0		0.12039	0.001131	0.024265	0.00029	0		0		0.048842	0.001739
9/7/2017	0		0		0.12173	0.003016	0.023174	0.000246	0		0		0.045372	0.000923
9/7/2017	0		0		0.11591	0.001399	0.022517	0.00043	0		0		0.042811	0.000798
9/7/2017	0		0.042057	0.001388	0.11422	0.003841	0.022735	0.000349	0		0		0.039809	0.001113
9/7/2017	0		0.0302	0.001051	0.11232	0.002646	0.021899	9.07E-05	0		0		0.03772	0.001492
9/7/2017	0		0		0.10462	0.000654	0.021042	0.000139	0		0		0.034956	0.000891
9/7/2017	0		0		0.10524	0.00094	0.0216	0.000284	0		0		0.032545	0.000929
9/7/2017	0		0.020271	0.000398	0.10338	0.00144	0.020973	1.3E-05	0		0		0.034114	0.002304
9/7/2017	0		0		0.09266	0.000445	0.019246	0.000324	0		0		0.030247	0.000763
9/7/2017	0		0.020951	0.000889	0.075695	0.001038	0.016464	0.000276	0		0		0.027852	0.000913
9/7/2017	0		0.025649	0.001094	0.077297	0.003602	0.016208	0.000207	0		0		0.026256	0.000721
9/7/2017	0		0		0.085241	0.002757	0.016916	0.000122	0		0		0.025841	0.000448
9/7/2017	0		0		0.079505	0.001071	0.016245	0.000123	0		0		0.024391	0.000589
9/7/2017	0		0.020318	0.000184	0.076645	0.001634	0.015938	0.000174	0		0		0.023901	0.000316
9/7/2017	0		0.023149	0.000285	0.068428	0.001773	0.015017	0.000158	0		0		0.022977	0.000658
9/7/2017	0		0		0.062026	0.003138	0.014133	0.000256	0		0		0.021157	0.000204
9/7/2017	0		0.024653	0.000487	0.04742	0.004345	0.014072	0.000146	0		0		0.020109	4.15E-05
9/7/2017	0		0		0.030161	0.001007	0.013096	7.16E-05	0		0		0.019184	0.000197
9/7/2017	0		0		0.021842	0.000929	0.012356	0.000341	0		0		0.017191	0.000974
9/7/2017	0		0		0.020055	0.000676	0.012751	0.000328	0		0.000304	0.000431	0.017053	0.000609
9/7/2017	0		0		0.018078	0.000876	0.011103	0.000144	0		0		0.016142	0.00045
9/7/2017	0		0		0.019851	0.001182	0.010531	0.0002	0		0		0.016512	0.000326
9/7/2017	0		0.022674	0.000486	0.024634	0.000389	0.009984	9.22E-05	0		0		0.015798	0.000384
9/7/2017	0		0		0.066787	0.000501	0.016915	0.000263	0		0		0.016003	0.00053
9/7/2017	0		0		0.062903	0.003553	0.017254	0.000403	0		0		0.015168	0.000485
9/7/2017	0		0		0.062453	0.002027	0.017266	0.000188	0		0		0.01491	3.03E-05
9/7/2017	0		0		0.062457	0.001093	0.016996	0.000231	0		0		0.014636	0.000218

stdev (Ti)	Zn(ppm)	stdev (Zn)	Cr OES est. (ppm)	stdev (Cr OES)
0.00064543	0.060555	0.00143	0.014242	0.000422
0.000435526	0.060958	0.001593	0.014705	0.000719
0.000246849	0.082687	0.003167	0.010602	0.000203
0.000170821	0.065223	0.000814	0.007527	0.001719
0.000326911	0.055451	0.005341	0.009303	0.001797
2.45328E-05	0		0.008653	0.001152
0.000996453	0		0.005679	0.000419
0.000251653	0		0.00746	0.000173
	0		0.014536	0.001832
	0		0.014619	0.001144
7.32412E-05	0		0.008538	0.001913
0.000549425	0		0.008948	0.002262
0.000811991	0		0.008766	0.000326
	0		0.014596	0.001182
0.000960255	0		0.007185	0.003078
0.00092052	0		0.005546	0.002039
0.000316197	0		0.006808	0.000952
0.000364148	0		0.00638	0.000933
0.000950889	0		0.007456	0.000697
0.000622673	0		0.007537	0.00021
0.001192984	0		0.008547	0.000411
0.000643013	0		0.005111	0.003689
0.000196011	0		0.009766	0.00103
0.001009749	0		0.009378	7.13E-05
0.000498133	0		0.009696	0.000994
0.000726736	0		0.007588	0.000949
0.001400326	0		0.006896	0.000785
0.000358211	0		0.007034	0.002819
0.001517074	0		0.007744	0.00065
	0		0.007789	0.000649
0.000333627	0		0.008514	0.001356
0.00016934	0		0.00984	0.002322
0.000603854	0		0.007755	0.001041
1.64678E-05	0		0.011064	0.002674
0.000525311	0		0.01186	0.001486
0.000418804	0		0.007596	6.72E-05
0.001860997	0		0.006423	0.00237
9.26585E-05	0.055965	0.001965	0.006373	0.00161
0.000986205	0.052285	0.000677	0.006621	0.001533
0.000806696	0.055378	0.002364	0.006139	0.001392
	0		0.003703	0.000279

DATE ICPMS2a	Ag(ppm)	stdev (Ag)	Al ICPMS (ppm)	stdev (Al)	As(ppm)	stdev (As)	Ba ICPMS (ppm)	stdev (Ba)	Be(ppm)	stdev (Be)	Cd(ppm)	stdev (Cd)	Co(ppm)	stdev (Co)
12/8/2017	0		0		0.056079	0.004797	0.02366	0.001018	0		0		0.014765	0.000648
9/7/2017	0		0.025513	0.000852	0.051365	0.001676	0.017031	3.48E-05	0		0		0.013977	0.0005
12/8/2017	0		0		0.021827	0.001624	0.017816	0.000639	0		0		0.012448	0.000407
12/8/2017	0		0		0.014062	0.002134	0.013573	0.00025	0		0		0.011189	0.000334
12/8/2017	0		0.103712	0.00446	0.014041	0.001567	0.013799	0.000537	0		0		0.010371	0.000402
12/8/2017	0		0		0.014975	0.001808	0.010138	0.000393	0		0		0.00864	0.000439
12/8/2017	0		0		0.01307	0.001489	0.009999	0.000673	0		0		0.011572	0.000707
9/7/2017	0		0.027664	0.000701	0.012887	0.00098	0.008154	0.000149	0		0		0.012933	0.000204
10/18/2017	0		0.026496	0.000413	0.012429	0.000935	0.007464	8.84E-05	0		0		0.012328	0.000626
10/18/2017	0		0.025078	0.00115	0.012612	0.001252	0.007525	0.000161	0		0		0.011355	0.000414
10/18/2017	0		0.027139	0.001196	0.012799	0.000517	0.007612	0.000221	0		0		0.011423	0.00034
10/18/2017	0		0.0285	0.000431	0.013204	0.000192	0.007263	5.3E-05	0		0		0.010896	0.000189
10/18/2017	0		0.025096	0.000708	0.01406	0.000145	0.007387	0.000119	0		0		0.01093	0.000349
9/7/2017	0		0.023087	0.000931	0.012116	0.000164	0.007777	6.87E-05	0		0		0.010393	5.33E-05
9/19/2017	0		0		0.011443	0.000325	0.007639	8.6E-05	0		0		0.01019	0.000153
9/19/2017	0		0.024977	0.001054	0.010087	0.000688	0.007316	0.000212	0		0		0.009681	0.000317
9/19/2017	0		0		0.009663	0.000444	0.007245	0.000183	0		0		0.008362	0.000243
9/19/2017	0		0		0.008812	0.000604	0.007535	7.77E-05	0		0		0.007873	0.000291
9/19/2017	0		0		0.008165	0.000844	0.007226	3.68E-05	0		0.000416	4.27E-05	0.010009	0.00042
9/7/2017	0		0.022382	0.000392	0.008691	0.000534	0.007202	3.89E-05	0		0		0.011123	0.000107
9/7/2017	0		0.023248	0.000117	0.008823	0.000188	0.007395	0.000136	0		0		0.01089	0.00022
10/18/2017	0		0.026219	0.000847	0.007772	0.000803	0.007171	5.56E-05	0		0		0.010092	0.000165
10/18/2017	0		0.027368	0.000494	0.009255	0.000909	0.007671	0.000128	0		0		0.010742	0.000294
10/18/2017	0		0.026783	0.000444	0.009295	0.000743	0.008933	0.000101	0		0		0.010372	0.000413
10/18/2017	0		0.029056	0.000761	0.009253	0.000354	0.008506	6.44E-05	0		0		0.010262	0.00015
10/18/2017	0		0.12	0.001901	0.007423	0.00047	0.008235	0.000211	0		0		0.009157	0.000173
10/18/2017	0		0.023315	0.000757	0.007718	0.000384	0.008065	0.000242	0		0		0.00792	0.000317
10/18/2017	0		0.027476	0.000593	0.007369	0.000576	0.008466	8.78E-05	0		0		0.007623	8.6E-05
10/18/2017	0		0.021815	0.000494	0.00713	0.00031	0.008118	7.15E-05	0		0		0.00723	0.000269
10/18/2017	0		0.026422	0.000329	0.006237	0.000382	0.008343	3.26E-05	0		0		0.007818	3.28E-05
10/18/2017	0		0.025524	0.000432	0.007587	0.000607	0.008456	0.000158	0		0		0.009921	6.46E-05
9/7/2017	0		0.024757	0.000281	0.008459	0.000848	0.008842	8.96E-05	0		0		0.010767	0.000279
10/18/2017	0		0.025259	0.000993	0.006729	0.000464	0.008597	0.000205	0		0		0.010931	0.000392
12/8/2017	0		0.102341	0.006251	0.005954	0.000704	0.010901	0.00034	0		0		0.011418	0.000316
12/8/2017	0		0		0.006588	0.001014	0.010045	0.000468	0		0		0.011318	0.000521
12/8/2017	0		0		0.008027	0.000498	0.011068	0.000257	0		0		0.012357	0.000235
9/7/2017	0		0.021282	0.000292	0.007818	0.00077	0.010355	0.000165	0		0		0.011331	0.000311
9/19/2017	0		0		0.006506	0.000312	0.010318	2.67E-05	0		0		0.010448	0.000481
9/19/2017	0		0		0.006209	0.000396	0.010442	0.000103	0		0		0.010053	0.000407
9/19/2017	0		0		0.006324	0.000539	0.010523	0.000106	0		0		0.010084	0.000519
9/19/2017	0		0		0.007032	0.00034	0.010361	0.000155	0		0		0.009248	0.000498

stdev (Ti)	Zn(ppm)	stdev (Zn)	Cr OES est. (ppm)	stdev (Cr OES)	DATE ICPMS2a	Ag(ppm)	stdev (Ag)	Al ICPMS (ppm)	stdev (Al)	As(ppm)	stdev (As)	Ba ICPMS (ppm)	stdev (Ba)	Be(ppm)	stdev (Be)	Cd(ppm)	stdev (Cd)	Co(ppm)	stdev (Co)
	0		0.003247	0.000179	9/19/2017	0		0		0.00599	0.00069	0.010522	8.05E-05	0		0		0.009909	0.000334
	0		0.003153	0.001728	9/19/2017	0		0		0.005508	0.000198	0.010518	0.000221	0		0		0.011299	0.000167
	0		0.003319	0.000204	9/19/2017	0		0		0.005482	0.000591	0.010513	0.000128	0		0		0.012949	0.000349
	0		0.003815	0.000785	9/19/2017	0		0		0.005819	0.000693	0.010997	0.000174	0		0		0.01335	0.000454
	0		0.003014	0.000364	9/19/2017	0		0		0.005516	0.000324	0.011976	0.00026	0		0		0.01296	0.00086
	0		0.003621	0.000348	9/19/2017	0		0		0.006265	0.000182	0.012779	0.000173	0.001028	0.001363	0.000349	8.86E-05	0.013925	0.000967
	0		0.004551	0.00011	9/19/2017	0		0		0.006702	0.000201	0.012759	2.29E-05	0		0		0.012947	0.000423
	0		0.003572	7.91E-05	9/19/2017	0		0		0.005639	0.00021	0.012251	0.00022	0		0		0.013188	2.57E-05
0.000635751	0		0.010227	0.002504	9/19/2017	0		0		0.004972	0.000258	0.013036	0.00011	0		0		0.012404	0.000347
	0.06245	0.002665	0		9/7/2017	0		0		0.007852	0.000289	0.014328	0.000121	0		0		0.011475	0.00013
	0.067991	0.00308	0.00725	0.001595	9/19/2017	0		0		0.006733	0.000406	0.015122	0.000128	0		0		0.01227	0.00026
	0.092804	0.000989	0.008009	0.00051	9/19/2017	0		0		0.006314	0.001143	0.014268	0.00012	0		0		0.010754	7.09E-05
	0.07915	0.001578	0.008834	0.002441	9/19/2017	0		0		0.006054	9.59E-05	0.013879	9.12E-05	0		0		0.011696	0.000189
0.000853514	0.067672	0.002803	0.009076	0.000481	9/19/2017	0		0		0.005621	0.00024	0.014448	0.000206	0		0		0.013698	0.000389
	0.1049	0.00154	0.008387	0.001304	9/19/2017	0		0		0.005959	0.000309	0.014449	0.000155	0		0		0.013537	0.000285
	0		0.006607	0.000657	9/19/2017	0		0		0.005686	0.000206	0.015192	0.000127	0		0		0.013898	0.000564
0.000563	0		0.00895	0.001485	10/27/2017	0		0		0.005481	0.000379	0.014705	0.000327	0		0		0.013713	0.000521
	0		0.009671	0.00216	9/19/2017	0		0		0.006459	0.00066	0.016236	0.000103	0		0		0.013992	0.000771
	0		0.008385	0.00023	9/19/2017	0		0		0.005538	0.000595	0.016933	0.000208	0		0		0.013868	0.000295
0.00075781	0		0.008683	0.00061	9/7/2017	0		0		0.006023	0.000423	0.017794	0.000237	0		0		0.014052	0.000503
	0		0.007528	0.002618	9/19/2017	0		0		0.004848	0.000812	0.017929	0.000265	0		0		0.013873	0.000234
	0		0.007706	0.001428	9/19/2017	0		0		0.005051	0.000203	0.017616	0.000138	0		0		0.012501	0.000192
	0		0.004633	0.003027	9/19/2017	0		0		0.004606	0.000571	0.016335	0.000193	0		0		0.012193	0.000233
	0		0.007491	0.001242	9/19/2017	0		0		0.003791	0.000197	0.015751	0.000109	0		0		0.014585	0.000271
	0		0.008176	0.000453	9/19/2017	0		0		0.003698	0.00025	0.015689	0.000418	0		0		0.014146	0.000469
	0.055105	0.000897	0.007502	0.000331	9/19/2017	0		0		0.004122	0.0003	0.016427	0.000131	0		0		0.014734	0.000525
	0		0.008378	0.002431	9/19/2017	0		0		0.004449	0.000278	0.016748	0.00041	0		0		0.014913	0.000161
	0.066866	0.001305	0.009172	0.000721	9/19/2017	0		0		0.004128	0.000301	0.017844	0.000281	0		0		0.015189	0.000376
	0.062128	0.001552	0.010817	0.001702	9/19/2017	0		0		0.004677	0.00067	0.019078	0.000127	0		0		0.01522	0.000402
	0.089886	0.000188	0.010801	0.001211	9/19/2017	0		0		0.00568	0.000624	0.0206	0.000574	0		0		0.015404	0.000225
	0		0.008272	0.002315	9/19/2017	0		0		0.005303	0.000239	0.020871	0.00026	0		0		0.015595	0.000184
0.000933197	0		0.00754	0.000687	9/19/2017	0		0		0.004552	0.000332	0.021511	0.000109	0		0		0.014211	0.00038
	0		0.004099	0.000469	9/11/2017	0		0.052297	0.000993	0.006371	0.000223	0.022906	0.000331	0		0		0.014095	0.000229
	0.29313					0				0.072538				0		0.000345		0.038615	
	0		0.010293	0.000269	9/19/2017	0		0		0.016418	0.000492	0.034335	0.000445	0		0		0.016144	0.000645
	0		0.005199	0.001568	9/19/2017	0		0		0.000858	0.000182	0.017531	0.000368	0		0		0.009673	5.84E-05
	0		0.005847	0.001071	9/11/2017	0		0		0.007112	0.000172	0.02976	0.000306	0		0		0.014738	0.000801
	0					0				0.009456				0		0		0.012584	
	0		0.007141	0.001426	9/19/2017	0		0		0.000421	0.00018	0.02012	0.000198	0		0		0.013115	0.000956
	0					0				0.032401				0		0		0.031636	
	0					0				0.005722				0		0		0.011844	

stddev (Ti)	Zn(ppm)	stddev (Zn)	Cr OES est. (ppm)	stddev (Cr OES)
0.003311336	0		0.009728	0.000969
	0		0.00837	0.00027
	0		0	
	0		0	
	0		0	
	0		0	
	0		0.004402	0.000157
	0		0	
	0		0	
	0		0.005271	0.001925
	0		0.005649	0.00286
	0		0.005113	0.00049
	0		0	
	0		0	
	0		0.00324	0.000806
0.006636				
	0		0.007383	0.001387
	0		0.006447	0.000251
	0		0.00702	0.000882
	0		0.003401	0.001154
	0		0.00485	0.00099
	0		0.005099	0.000288
	0		0.006294	0.001492
	0		0.006367	0.0004
	0			
	0		0.004747	0.000594
	0		0	
	0		0.004082	0.000883
	0		0.004458	0.001756
	0		0.00317	0.001109
	0		0.00525	0.000426
	0		0.004385	0.000431
	0		0.005259	0.000743
	0		0.004985	0.000716
	0		0.004526	0.002297
	0		0.00465	0.00096
	0		0.006093	0.002404
	0		0.005783	0.001006
	0		0.005914	4.42E-06
	0		0.004793	0.001617
	0		0.005049	0.000506

DATE ICPMS2a	Ag(ppm)	stddev (Ag)	Al ICPMS (ppm)	stddev (Al)	As(ppm)	stddev (As)	Ba ICPMS (ppm)	stddev (Ba)	Be(ppm)	stddev (Be)	Cd(ppm)	stddev (Cd)	Co(ppm)	stddev (Co)
9/19/2017	0		0		0.007519	0.000165	0.032863	0.000401	0		0		0.016202	0.0002
9/19/2017	0		0		0.001725	7.78E-05	0.039715	0.000647	0		0		0.016996	0.000393
9/19/2017	0		0		0.00693	0.000185	0.032965	0.000123	0		0		0.013926	0.000718
9/19/2017	0		0		0.008503	0.000496	0.032992	0.00044	0		0		0.015304	0.000901
9/19/2017	0		0		0.002422	0.000221	0.030113	0.000345	0		0		0.015108	0.000368
9/19/2017	0		0		0.003565	0.000505	0.022312	0.000485	0		0		0.014067	0.000364
9/19/2017	0		0		0.000649	0.000131	0.047113	0.000745	0		0		0.014565	0.000328
9/19/2017	0		0		0.001739	0.000196	0.025506	0.000317	0		0		0.014366	0.00041
9/19/2017	0		0		0.00149	0.000169	0.024158	0.000556	0		0		0.015735	0.00042
10/26/2017	0.002541	0.000202	0		0.001856	0.000426	0.019668	0.000336	0		0		0.01149	0.000167
9/19/2017	0		0		0.00334	0.000257	0.036725	0.000963	0.000966	0.00121	0.00038	0.00016	0.015772	0.000503
9/19/2017	0		0		0.002373	0.000475	0.035667	0.000655	0		0		0.014972	0.000624
10/23/2017	0.004214	0.000463	0		0.01128	0.000808	0.046058	0.000779	0		0		0.01625	0.000289
10/23/2017	0.003588	0.000446	0.020357	0.00045	0.010901	0.001072	0.047134	0.000947	0		0		0.016132	0.000417
10/23/2017	0.007257	0.000378	0		0.010568	0.000959	0.047401	0.000492	0		0		0.016273	0.000161
	0				0.001694				0		0		0.016092	
10/23/2017	0.003052	0.000274	0.020791	0.000506	0.009915	0.000617	0.047807	0.000303	0		0		0.015987	0.000233
10/23/2017	0		0		0.011322	0.000523	0.054644	0.001355	0		0		0.018604	0.000313
10/23/2017	0.004551	0.000341	0.020839	0.000326	0.011691	0.001298	0.054842	0.000442	0		0		0.01877	0.000272
9/21/2017	0		0		0.00988	5.75E-05	0.046611	0.000714	0		0		0.015722	0.000229
9/21/2017	0		0		0.009628	0.000342	0.047155	0.001005	0		0		0.016233	0.000155
9/21/2017	0		0		0.010522	0.000651	0.048798	0.000494	0		0		0.015679	0.000309
9/22/2017	0.031454	0.003581	0.027413	0.000849	0.010738	0.000948	0.050376	0.001596	0		0		0.015457	0.000248
9/22/2017	0.097388	0.013909	0		0.010297	0.000495	0.04963	0.00073	0		0		0.015684	0.000523
	0.032588				0.007621				0		0		0.016132	
10/23/2017	0		0.027384	0.000883	0.0008	0.000178	0.021352	0.000356	0		0		0.010187	0.000494
10/12/2017	0.004683	0.000208	0		0.008489	0.000339	0.045687	0.001071	0		0		0.013982	5E-05
10/12/2017	0.003242	6.08E-05	0		0.011089	0.000634	0.041802	0.000509	0		0		0.01247	0.00024
10/12/2017	0.00311	0.000167	0		0.009123	0.000267	0.039689	0.000613	0		0		0.012742	0.000268
10/12/2017	0.003093	0.000292	0		0.009364	9.79E-05	0.040399	0.000421	0		0		0.012279	0.000454
10/12/2017	0.002335	0.000215	0		0.008858	0.00047	0.041168	0.001186	0		0		0.012631	0.000125
10/12/2017	0.002835	9.4E-05	0.029264	0.000437	0.00938	0.000435	0.040094	0.000675	0		0		0.011784	0.000155
10/12/2017	0.004106	0.000137	0		0.008576	0.001636	0.041374	0.001403	0		0		0.012679	0.000144
10/12/2017	0.002581	5.95E-05	0		0.010284	0.000441	0.040333	0.000574	0		0		0.011902	0.000239
10/23/2017	0.001811	0.00016	0.021079	0.00033	0.009855	0.000877	0.049132	0.001346	0		0		0.014671	0.000573
10/23/2017	0.001852	0.000197	0		0.011347	0.000918	0.048495	0.00147	0		0		0.014079	0.000227
10/23/2017	0.002065	0.000166	0.021463	0.001125	0.011529	0.000627	0.049348	0.000887	0		0		0.014566	0.000253
10/23/2017	0.001516	0.000204	0		0.011953	0.00107	0.054098	0.001067	0		0		0.013989	0.000173
10/23/2017	0.00259	0.000451	0.023914	0.000925	0.009325	0.000643	0.046564	0.000442	0		0		0.014461	0.000219
10/23/2017	0.002392	0.000299	0.021768	0.000588	0.011363	0.000659	0.049614	0.001005	0		0		0.01406	0.000342
10/23/2017	0.003733	0.000339	0.024487	0.000377	0.011339	0.001248	0.047906	0.000771	0		0.000382	0.000149	0.014965	0.000309



stdev (Ti)	Zn(ppm)	stdev (Zn)	Cr OES est. (ppm)	stdev (Cr OES)
	0		0.005048	0.00027
	0		0.006022	0.001655
	0		0.004145	0.000446
	0			
	0.006401			
	0		0.005681	3.24E-05
	0		0.004372	0.000761
	0		0.006317	0.001462

0		0.003976	0.000721
0		0.005497	0.000423
0		0.004751	0.003507
0.022135	0.000437	0.001566	5.12E-05
0.038793	0.000149	0.001257	5.59E-05
0.033776	0.000493	0.001542	0.000105
0.036166	0.00026	0.001195	7.15E-05
0.016574	0.000254	0.001509	6.42E-05
0.009289	0.000207	0.002566	4.43E-05
0.064329	6.98E-06	0.001573	9.67E-05
0.01801	0.00031	0.00121	0.000207
0.015061	0.000581	0.001809	0.00016
0.039623	0.000155	0.015941	7.05E-05
0.017169	0.000491	0.001992	0.000291
0.0293	0.000127	0.002464	0.000262
0.065754	0.000836	0.00221	4.47E-06
0.058928	0.000325	0.0018	7.21E-05
0.046181	0.000698	0.001768	6.23E-05
0.05638	0.001415	0.002077	7.49E-05
0.084349	0.000288	0.002147	0.000353
0.045315	0.000294	0.002037	0.00027
0.063275	0.000269	0.009939	0.000374
0.056608	5.13E-06	0.00218	0.000238
0.068964	0.000792	0.002258	8.36E-06
0.081247	0.000348	0.00922	4.47E-05
0.10261	5.61E-05	0.002014	9.82E-05
0.021962	0.00039	0.00383	9.53E-05
0.035869	5.02E-05	0.002192	6.33E-05
0.06353	0.000363	0.001862	0.000108
0.053573	0.000604	0.001363	6.19E-05
0.045907	0.00038	0.00139	0.000175
0.061187	3.69E-05	0.0022	2.7E-06
0.086937	0.000763	0.001498	9.55E-05

DATE ICPMS2a	Ag(ppm)	stdev (Ag)	Al ICPMS (ppm)	stdev (Al)	As(ppm)	stdev (As)	Ba ICPMS (ppm)	stdev (Ba)	Be(ppm)	stdev (Be)	Cd(ppm)	stdev (Cd)	Co(ppm)	stdev (Co)
10/23/2017	0.002192	0.000215	0.020658	0.000205	0.010823	0.000608	0.048224	0.000959	0		0		0.014663	0.000395
10/23/2017	0.001961	0.000222	0.025045	0.000427	0.010391	0.000383	0.050487	0.000744	0		0		0.014143	0.000406
10/23/2017	0.002327	0.00023	0		0.009267	0.000776	0.048353	0.000655	0		0		0.01444	0.0004
	0				0.000602				0		0		0.012063	
	0				0.000784				0		0		0.013208	
10/23/2017	0		0		0.001139	0.000163	0.058539	0.000482	0		0		0.013169	0.000179
10/23/2017	0.003817	0.000161	0.021915	6.45E-05	0.01148	0.000871	0.049779	0.000517	0		0		0.014666	0.000611
10/23/2017	0		0.020237	0.001286	0.009702	0.001098	0.054302	0.00107	0		0		0.014581	0.000602
10/23/2017	0.002212	0.000246	0.023772	0.000738	0.010592	0.00078	0.04983	0.001312	0		0		0.014274	0.0002
10/23/2017	0.002473	0.000275	0.020728	0.001349	0.010712	0.000949	0.051435	0.001614	0		0		0.013898	0.000633
10/23/2017	0.001639	0.000149	0		0.012503	0.0011	0.051393	0.001102	0		0		0.014835	0.000271
10/23/2017	0		0.023914	0.001081	0.00085	0.000409	0.062678	0.000691	0		0		0.015462	0.000736
10/26/2017	0.001849	0.000229	0		0.000254	0.000135	0.06443	0.000543	0		0		0.012319	0.000152
10/26/2017	0		0		0		0.071735	0.001026	0		0		0.011622	0.000177
10/26/2017	0		0		0		0.086819	0.000981	0		0		0.011759	0.00036
10/26/2017	0		0		0		0.098225	0.001045	0		0		0.005862	0.000215
10/26/2017	0		0		0		0.086884	0.000983	0		0		0.00067	3.9E-05
10/26/2017	0		0		0.000309	5.76E-05	0.103723	0.00122	0		0		0.005664	0.000302
10/26/2017	0		0		0.000302	8.91E-05	0.163273	0.002346	0		0		0.003069	9.09E-05
10/26/2017	0		0		0.000547	1.3E-05	0.167665	0.001897	0		0		0.003795	0.000114
10/26/2017	0.002793	0.000486	0		0.001485	0.000197	0.175327	0.00121	0.001752	0.00082	0.001642	0.000704	0.006557	0.00075
1/18/2018	0.002024	7.91E-05	0		0.000822	0.000145	0.147173	0.00785	0		0		0.004156	0.000111
12/8/2017	0.00233	0.000308	0		0.000737	8.37E-05	0.167389	0.000732	0		0		0.005009	0.0001
12/8/2017	0		0		0.000733	0.000299	0.159207	0.007995	0		0		0.013164	0.000484
12/8/2017	0.003219	0.000336	0		0.000329	0.000153	0.160871	0.000923	0		0		0.009394	0.000313
12/8/2017	0.003137	0.000339	0		0.000532	8.07E-05	0.148157	0.002489	0		0		0.008912	0.000116
12/8/2017	0.003282	0.000253	0		0.000303	0.000137	0.144778	0.003652	0		0		0.007584	9.63E-05
12/8/2017	0.002223	0.000177	0		0.000286	8.54E-05	0.132543	0.0026	0		0		0.014194	0.000669
12/8/2017	0.003327	0.000353	0		0.00041	0.00013	0.127849	0.004891	0		0		0.009134	0.000504
12/8/2017	0.003152	0.000177	0		0.000578	0.00016	0.119704	0.002619	0		0		0.00632	0.000207
12/8/2017	0.00306	0.000319	0		0.000386	0.000111	0.118061	0.002835	0		0		0.00436	0.000104
1/11/2018	0.001921	0.000294	0		0.000262	0.00011	0.117829	0.001232	0		0		0.002297	0.000128
1/11/2018	0.001731	0.000292	0		0		0.109008	0.001738	0		0		0.006708	0.000151
1/11/2018	0.001574	0.000229	0		0		0.109759	0.001578	0		0		0.010788	0.000187
1/11/2018	0.002715	0.000162	0		0.000387	0.000303	0.086902	0.000978	0		0		0.001949	0.000101
1/11/2018	0.002008	0.000248	0.021448	0.000452	0.000665	4.04E-05	0.087121	0.001416	0		0		0.003359	0.000102
1/11/2018	0.001584	0.00023	0.021843	0.000355	0		0.077128	0.001677	0		0		0.010137	0.000379
1/11/2018	0.001532	0.000182	0		0		0.090664	0.000428	0		0		0.00562	3.31E-05
1/11/2018	0.001543	0.000196	0		0		0.084639	0.002195	0		0.000979	8.52E-05	0.004456	4.77E-05
1/11/2018	0		0		0.000388	0.000238	0.073177	0.000892	0		0		0.015716	3.35E-05
1/11/2018	0		0		0		0.086974	0.000906	0		0		0.01339	8.13E-05

stdev (Ti)	Zn(ppm)	stdev (Zn)	Cr OES est. (ppm)	stdev (Cr OES)
	0.063998	6.75E-05	0.001799	0.000244
	0.069465	0.000919	0.002288	0.000127
	0.041212	2.97E-05	0.002187	9.55E-05
	0		0	
	0.037975	0.000692	0.003231	1.9E-05
	0		0	
	0.026328	0.000882	0.003764	0.000648
	0.029058	0.000805	0.005618	0.000246
	0.022427	0.000305	0.003881	0.000116
	0.026958	0.00061	0.012442	0.000331
	0.01056	0.000677	0.006022	9.09E-05
	0.014476	0.000994	0.00606	0.000433
	0.012144	0.000295	0.001652	0.000343
	0.016646	0.00097	0.001797	8.28E-05
	0.045414	0.000242	0.001972	0.00024
	0.047796	2.24E-05	0.001838	0.000142
	0.062579	0.001175	0.002131	4.83E-05
	0.042862	2.06E-05	0.001445	4.41E-05
	0.026616	1.19E-05	0.001572	5E-05
	0.03672	0.000746	0.000376	0.000109
	0.034354	2.21E-05	0.00035	3.61E-05
	0.006331	0.000185	0.002959	8.89E-06
	0.008375	0.000471	0.000521	9.09E-05
	0.013312	0.000117	0.0007	8.5E-05
	0.009385	0.000264	0.000776	0.000201
	0.013761	1.18E-05	0.001688	3.81E-05
	0.018687	0.000176	0.001684	0.000139
	0.007474	0.000964	0.001998	0.000336
	0.013692	0.000272	0.001758	0.00013
	0.01027	0.000284	0.001884	0.000173
	0.010538	0.000528	0.001881	4.5E-05
	0.012739	2.49E-05	0.001923	6.74E-05
	0.010544	0.000222	0.001594	6.22E-05
	0.007448	3.27E-05	0.001569	0.000122
	0.006661	0.000343	0.001681	8.51E-05
	0.005811	8.25E-05	0.001657	5.21E-05
	0.045819	1.45E-05	0.002488	0.000227
	0.007302	0.000381	0.002206	0.000152
	0.019308	0.018338	0.002218	1.19E-05
	0		0.002275	0.000145
	0.028459		0.002059	0.000302

DATE ICPMS2a	Ag(ppm)	stdev (Ag)	Al ICPMS (ppm)	stdev (Al)	As(ppm)	stdev (As)	Ba ICPMS (ppm)	stdev (Ba)	Be(ppm)	stdev (Be)	Cd(ppm)	stdev (Cd)	Co(ppm)	stdev (Co)
1/11/2018	0		0		0		0.084922	0.001401	0		0		0.011632	0.000552
1/11/2018	0		0		0		0.08109	0.003045	0		0		0.013058	0.000338
1/11/2018	0		0.031585	0.000623	0		0.053126	0.000639	0		0		0.007539	5.11E-05
1/11/2018	0		0		0		0.07289	0.001856	0		0		0.010081	0.000478
1/11/2018	0		0		0.000568	0.000786	0.069253	0.002084	0		0		0.008495	0.000233
1/11/2018	0		0		0.000697	0.000173	0.062883	0.001677	0		0		0.00736	0.000299
1/18/2018	0		0.020221	0.001584	0.000352	0.000194	0.063622	0.000253	0		0		0.007666	0.000112
1/18/2018	0		0		0.000518	0.000242	0.05098	6.03E-05	0		0		0.005135	0.000229
1/29/2018	0		0		0.00074	0.00015	0.06279	0.001764	0		0		0.005718	0.000244
1/29/2018	0		0		0.001748	0.000287	0.066801	0.000872	0		0		0.005337	0.000374
1/29/2018	0		0		0.002169	0.000413	0.060006	0.001057	0.001338	0.000651	0.00133	0.000706	0.003764	0.000605
1/29/2018	0		0		0.00246	0.00014	0.065334	0.002065	0		0		0.002821	3.96E-05
1/29/2018	0		0.035746	0.001065	0.001738	0.000297	0.071681	0.001915	0		0		0.00303	0.000111
1/29/2018	0		0		0.001889	0.000107	0.058816	0.000356	0		0		0.00497	0.00015
1/29/2018	0		0		0.00188	0.000161	0.073513	0.003021	0		0		0.006113	0.000175
2/14/2018	0		0		0.002248	0.000214	0.079978	0.000208	0		0		0.008607	0.000129
2/14/2018	0		0		0.001497	0.000354	0.082029	0.001963	0		0		0.009976	0.000235
2/14/2018	0		0		0.002097	0.000105	0.08493	0.000527	0.000509	0.00032	0.000751	0.000372	0.01081	0.000408
2/14/2018	0		0		0.00193	0.000151	0.079284	0.002309	0		0		0.010725	0.000547
2/14/2018	0		0		0.002423	0.000384	0.086015	0.000384	0		0		0.010679	0.000176
3/1/2018	0		0		0.002159	0.000239	0.074654	0.001276	0		0		0.010149	0.000348
3/1/2018	0		0		0.004267	0.000155	0.083515	0.001721	0		0		0.00826	4.05E-05
3/1/2018	0		0		0.005516	0.00014	0.086009	0.001366	0		0		0.008617	0.000513
3/1/2018	0		0		0.003126	8.09E-05	0.072083	0.001078	0		0		0.008768	0.000191
3/14/2018	0		0		0.004935	0.000179	0.067627	0.001797	0		0		0.007262	0.000535
3/14/2018	0		0		0.003884	0.000308	0.070259	0.000523	0		0		0.006946	4.82E-05
3/14/2018	0		0		0.005567	0.000825	0.072341	0.001545	0		0		0.006357	0.000266
4/4/2018	0		0		0.007454	0.00053	0.076809	0.002226	0		0		0.005089	0.000349
4/4/2018	0		0		0.006015	0.000506	0.073237	0.001319	0		0		0.005522	6.55E-05
4/4/2018	0		0		0.004805	0.000527	0.069376	0.000364	0		0		0.004824	0.000331
4/4/2018	0		0		0.006459	0.000465	0.075225	0.00095	0		0		0.004653	0.000232
4/4/2018	0		0		0.006066	0.000289	0.072279	0.001029	0		0		0.004888	3.8E-05
4/4/2018	0		0		0.006009	0.000252	0.072879	0.001728	0		0		0.004522	0.00012
4/17/2018	0		0		0.005473	0.00048	0.063505	0.001317	0		0		0.004164	0.000164
4/17/2018	0		0		0.006807	0.000381	0.064423	0.002216	0		0		0.003734	0.00018
4/17/2018	0		0		0.005834	0.000876	0.069582	0.00239	0		0		0.003956	0.000144
4/17/2018	0		0		0.006706	0.001221	0.066288	0.000375	0		0		0.003189	2.97E-05
4/25/2018	0		0		0.006727	0.000135	0.066415	0.001745	0		0		0.00339	3.61E-05
	0				0.006855		0.063307		0		0.003734		0.003129	
	0				0.005821		0.061093		0		0		0.003219	
	0				0.005655		0.061472		0		0		0.003216	

stdev (Ti)	Zn(ppm)	stdev (Zn)	Cr OES est. (ppm)	stdev (Cr OES)	DATE ICPMS2a	Ag(ppm)	stdev (Ag)	Al ICPMS (ppm)	stdev (Al)	As(ppm)	stdev (As)	Ba ICPMS (ppm)	stdev (Ba)	Be(ppm)	stdev (Be)	Cd(ppm)	stdev (Cd)	Co(ppm)	stdev (Co)
	0					0				0.006538	0.000355	0.061683	0.000112	0		0		0.003136	7.48E-05
	0					0				0.006311	0.000393	0.062759	0.001003	0		0		0.015025	0.000252
	0					0				0.006851	0.000599	0.061103	0.000154	0		0		0.003426	8.23E-05
	0					0				0.006083	0.000284	0.06164	0.000127	0		0		0.002801	5.53E-05
	0					0				0.006363	0.000603	0.061758	2.63E-05	0		0		0.002701	8.1E-05
	0					0				0.006145	0.000408	0.062643	0.001199	0		0		0.003001	0.000304
	0					0				0.005954	0.000688	0.067324	0.000235	0		0		0.002752	0.000116
	0					0				0.006079	0.000682	0.068639	0.000365	0		0		0.002925	8.02E-05
	0					0				0.006496	0.000556	0.058595	0.000559	0		0		0.003022	5.7E-05
	0					0				0.00623	0.000286	0.0586	0.000648	0		0		0.00293	0.000216
	0					0				0.004189	0.000277	0.060376	0.000647	0		0		0.003104	0.000228
	0					0				0.00562	0.000204	0.061769	0.000558	0		0		0.002808	0.000142
	0					0				0.005029	0.000572	0.060826	7.88E-05	0		0		0.004186	0.000204
	0					0				0.005768	0.000465	0.061043	0.000955	0		0		0.002753	9.56E-05
	0					0				0.005658	0.001017	0.062038	8.63E-05	0		0		0.002632	0.000107
	0					0				0.005114	0.00054	0.06239	0.000394	0		0		0.002754	0.000202
0.019283	0.000745					0				0.004898	0.000155	0.062258	0.000198	0		0		0.00307	0.00013
0						0				0.005698	0.000505	0.061715	0.000915	0		0		0.002984	0.000168
0						0				0.005217	0.000238	0.062616	7.31E-05	0		0		0.002656	6.68E-05
0						0				0.004795	0.000316	0.062814	0.000246	0		0		0.002467	2.47E-05
0						0				0.00545	0.000149	0.063087	0.002141	0		0		0.002466	1.58E-05
0						0				0.004398	0.00043	0.062832	0.000295	0		0		0.00259	0.00011
0						0				0.003984	0.000251	0.065582	0.001824	0		0		0.002748	5.76E-05

stdev (Ti)	Zn(ppm)	stdev (Zn)	Cr OES est. (ppm)	stdev (Cr OES)
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DATE ICPMS2a	Ag(ppm)	stdev (Ag)	Al ICPMS (ppm)	stdev (Al)	As(ppm)	stdev (As)	Ba ICPMS (ppm)	stdev (Ba)	Be(ppm)	stdev (Be)	Cd(ppm)	stdev (Cd)	Co(ppm)	stdev (Co)
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Cr (ppm)	stdev (Cr )	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	Mn ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)	Rb(ppm)	stdev (Rb)	Sb(ppm)	Se(ppm)	stdev (Se)	Sr ICPMS (ppm)	stdev (Sr)
0.72113	0.020706	0.000497	4.48E-05	0.17182	0.001061	0.056275	0.001328	0.013323	0.000354	0.014836	0.000916	0.001525	8.28E-05			0	0.50656		0.155233	0.002005
0.65872	0.01766	0		0		0.038425	0.001414	0		0.013569	0.000138	0				0	0		0.137386	0.004177
0.73516	0.031244	0.001003	0.000113	0.17671	0.008688	0.057884	0.001178	0.009967	0.000809	0.015017	0.000512	0.00083	9.87E-05			0	0.52952		0.152144	0.008024
0.75887	0.016084	0.000541	6.94E-05	0.17409	0.009771	0.057309	0.002694	0.006586	0.00039	0.013642	0.000691	0.000624	0.000115			0	0.4973		0.15358	0.001714
0.75961	0.008602	0.000515	3.5E-05	0.17972	0.011097	0.058738	0.003874	0.005448	0.000591	0.014398	0.000786	0.00044	5.81E-05			0	0.5684		0.152881	0.002246
0.73872	0.020433	0.000456	7.97E-05	0.17304	0.005168	0.055944	0.001838	0.004524	0.000552	0.013872	0.000323	0.000396	0.000249			0	0.55447		0.14774	0.002556
0.75899	0.014026	0.000442	8.44E-05	0.17796	0.003507	0.057947	0.002341	0.004056	0.000438	0.015282	0.000898	0.000444	0.000141			0	0.5694		0.150228	0.002584
0.78325	0.010818	0.000471	6.87E-05	0.1952	0.007494	0.058544	0.001351	0.00494	0.000225	0.016143	0.000826	0.000428	6.91E-05			0	0.52984		0.157238	0.002727
0.72488	0.037991	0.003091	0.000176	0.19574	0.01258	0.034642	0.001977	0.01301	0.001767	0.016204	0.001149	0				0	0.45598		0.161858	0.004656
0.76384	0.008003	0.000697	5.32E-05	0.17529	0.000884	0.057971	0.002823	0.005158	0.000628	0.014718	0.000449	0.000709	0.000177			0	0.47563		0.150746	0.002953
0.76899	0.010485	0.000421	5.7E-05	0.19419	0.00792	0.059461	0.003198	0.005275	0.000299	0.014491	0.000705	0.000959	8.69E-05			0	0.59313		0.155198	0.001988
0.76276	0.024478	0.000418	4.07E-05	0.21015	0.004463	0.056438	0.000139	0.004593	0.000165	0.014155	0.001396	0.000496	0.000144			0	0.57595		0.152485	0.004184
0.75478	0.009482	0.000426	7.77E-05	0.17625	0.004065	0.056733	0.003783	0.00409	0.000571	0.013971	0.000537	0.000363	0.000122			0	0.49008		0.151843	0.004375
0.79528	0.017217	0.000489	4.63E-05	0.20028	0.005395	0.058651	0.001236	0.01197	0.000782	0.014299	0.000975	0.000718	0.000151			0	0.57352		0.155157	0.005352
0.71287	0.028086	0		0.1821	0.005605	0.041294	0.001816	0		0		0				0	0		0.144337	0.005953
0.66721	0.011297	0		0.19649	0.01021	0.037355	0.000735	0.005096	0.000637	0.013126	0.001412	0				0	0		0.150016	0.003167
0.033257	0.002284	0		0		0.02063	0.001112	0.035628	0.000564	0		0				0	0		0.061573	0.001554
0.049456	0.001311	0		0.087933	0.006782	0.033473	0.001606	1.355249	0.023446	0.025721	0.000302	0				0	0		0.112826	0.003732
0.47264	0.01704	0		0.065456	0.005321	0.03823	0.000712	2.451098	0.088435	0.014929	0.000739	0				0.008245	0		0.157065	0.007436
0.12527	0.006637	0		0.08381	0.009079	0.047638	0.003783	5.167991	0.065125	0		0				0.009214	0		0.201887	0.005615
0.1051	0.005404	0		0.11619	0.00542	0.05288	0.001123	6.533459	0.111666	0.02006	0.001342	0				0.008768	0		0.222469	0.002623
0.1026	0.001772	0		0.12561	0.007415	0.052698	0.002239	7.50178	0.41682	0.032874	0.000685	0				0.008656	0		0.227402	0.004079
0.30076	0.01538	0		0.18627	0.00972	0.055093	0.002099	8.545284	0.196952	0.047315	0.001536	0				0.008209	0		0.222927	0.006236
0.24745	0.002995	0		0.19392	0.016018	0.05447	0.002409	8.641543	0.399908	0.040738	0.003579	0				0.008869	0.031127	0.006507	0.216099	0.002699
0.12338	0.004961	0		0.18693	0.010747	0.051088	0.001155	9.241341	0.211316	0.031993	0.000651	0				0.008618	0		0.22921	0.004915
0.026912	0.003326	0		0.12452	0.007265	0.045069	0.002014	9.482522	0.502787	0.043186	0.001998	0				0	0		0.224028	0.006981
0.025677	0.000927	0		0.27991	0.016941	0.053059	0.002499	11.42149	0.722665	0.015734	0.005714	0				0	0.039871	0.01564	0.24077	0.009199
0.019513	0.000501	0		0.12335	0.002272	0.043248	0.002971	10.58342	0.146243	0.044891	0.000795	0				0	0		0.228934	0.00675
0.02117	0.000276	0		0.17029	0.009353	0.043506	0.00044	11.0576	0.405546	0.046144	0.001577	0				0	0		0.226106	0.009456
0.034671	0.000257	0		9.5193	0.357095	0.042681	0.00171	11.09885	0.532492	0.050315	0.001116	0.32895	0.004946			0	0		0.209427	0.007248
0.016313	0.001969	0		0.17652	0.013832	0.041795	0.003458	10.85811	0.284431	0.042849	0.001019	0.007288	9.12E-05			0	0		0.194488	0.004071
0.023365	0.002382	0		0.1144	0.001009	0.043616	0.002096	9.83267	0.331352	0.041731	0.002708	0				0	0		0.223572	0.005867
0.019865	0.001703	0		0.21799	0.013778	0.053012	0.000455	12.46962	0.222774	0.022051	0.001685	0				0	0		0.22742	0.001702
0.018677	0.001314	0		0.27925	0.012508	0.052993	0.005138	12.58689	0.160904	0.017958	0.000889	0				0	0		0.213007	0.006909
0.019587	0.000988	0		0.091525	0.001316	0.048254	0.002353	12.57831	0.60038	0.025879	0.000577	0				0	0		0.196591	0.000842
0.019955	0.001727	0		0.21782	0.012576	0.051863	0.001803	12.1606	0.240141	0.015559	0.001494	0				0	0		0.200055	0.011775
0.017111	0.000408	0		0.1419	0.003333	0.040311	0.002739	10.16081	0.082164	0.045658	0.003642	0.009285	8.39E-05			0	0		0.1889	0.001267
0.01696	0.001424	0		0.28959	0.011403	0.038894	0.001345	9.930166	0.236062	0.040377	0.001341	0				0	0		0.179158	0.00214
0.02067	0.001325	0		0.10009	0.003561	0.041268	0.00069	9.418925	0.330078	0.039585	0.001038	0				0	0		0.165106	0.004581
0.014091	0.001408	0		0.096739	0.002546	0.042732	0.00123	9.586017	0.206715	0.037437	0.000951	0				0	0		0.163645	0.003525



Cr (ppm)	stdev (Cr )	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	Mn ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)	Rb(ppm)	stdev (Rb)	Sb(ppm)	Se(ppm)	stdev (Se)	Sr ICPMS (ppm)	stdev (Sr)
0.015484	0.000866	0		0.097628	0.003501	0.040502	0.001773	9.29608	0.208754	0.037582	0.000135	0				0	0		0.155122	0.003578
0.014852	0.000913	0		0.09787	0.004455	0.04122	0.000725	9.123707	0.091851	0.035268	0.002147	0				0	0		0.151829	0.002646
0.017449	0.00044	0		0.17545	0.002657	0.039344	0.001302	8.522224	0.218196	0.035244	0.000897	0				0	0		0.143264	0.001379
0.015701	0.000925	0		0.08777	0.006474	0.037649	0.002042	8.434472	0.10843	0.032829	0.000421	0				0	0		0.137328	0.003084
0.018416	0.001745	0		0.09168	0.008113	0.040229	0.000784	8.108735	0.013355	0.032686	0.001621	0				0	0.029227	0.037655	0.136777	0.002985
0.026202	0.001481	0		0.098657	0.004874	0.03833	0.000299	7.729918	0.268716	0.029569	0.000859	0				0	0		0.128046	0.001444
0.014837	0.001339	0		0.10111	0.001714	0.039675	0.001564	7.91167	0.191997	0.031201	0.000913	0				0	0		0.129935	0.004296
0.0156	0.001534	0		0.085561	0.003944	0.037096	0.001257	7.436482	0.131086	0.030452	0.002213	0				0	0		0.120953	0.00053
0.013775	0.000545	0.000587	1.49E-05	0.10815	0.002529	0.04068	0.000911	6.822942	0.08673	0.035109	0.001161	0.001196	5.43E-05			0.010246	0		0.121987	0.002391
0.01415	0.000626	0.000572	2.16E-05	0.095519	0.002964	0.040558	0.000651	6.133278	0.159728	0.032652	0.000806	0.001079	4.02E-05			0.010156	0		0.112628	0.000803
0.013731	0.000716	0.000571	2.08E-05	0.090174	0.00296	0.041312	0.001185	5.864797	0.042021	0.031482	0.000939	0.00107	3.84E-05			0.009862	0		0.107131	0.000491
0.012498	0.000323	0.000549	3.27E-05	0.091006	0.003226	0.04095	0.00066	5.475818	0.038143	0.029921	0.00045	0.00103	2.32E-05			0.009612	0		0.100244	0.002112
0.013338	0.000257	0.000532	1.04E-05	0.099309	0.000855	0.040806	0.000658	6.320743	0.175998	0.028737	0.00034	0.001025	3.1E-05			0.00932	0		0.091466	0.001994
0.013539	0.000291	0.000498	1.74E-05	0.09405	0.002913	0.040445	0.000367	4.863961	0.131436	0.027902	0.001095	0.000897	4.66E-05			0.009202	0		0.086319	0.000769
0.013733	0.000315	0.000493	1.05E-05	0.081466	0.002023	0.040699	0.001123	4.591687	0.126133	0.027387	0.000678	0.00092	1.57E-05			0.00891	0		0.083644	0.001026
0.013157	0.000298	0.000501	2.07E-05	0.074724	0.000554	0.040743	0.000856	4.31301	0.091704	0.025317	0.000336	0.000862	4.49E-05			0.008549	0		0.077622	0.001185
0.012714	0.000295	0.000495	2.9E-05	0.069198	0.00308	0.040136	0.001079	4.081682	0.041804	0.025422	0.000621	0.000866	1.72E-05			0.00835	0		0.07346	0.001217
0.012329	0.000263	0.000487	1.86E-05	0.066527	0.00179	0.040047	0.001927	3.963907	0.08133	0.024876	0.000542	0.000844	2.66E-05			0.008203	0		0.070358	0.00048
0.012037	0.000198	0.000478	2.35E-05	0.068766	0.004154	0.041384	0.001566	4.505788	0.119018	0.024655	0.001699	0.000865	5.34E-05			0.007948	0		0.069036	0.000349
0.010861	0.000181	0.000461	2.55E-05	0.079349	0.002027	0.041661	0.000767	3.549811	0.109577	0.024279	0.000622	0.00075	1.69E-05			0.008244	0		0.065043	0.000985
0.013634	0.003422	0.000609	7.59E-05	0.07121	0.000542	0.041708	0.000307	3.408466	0.13396	0.024478	0.000865	0.000896	6.68E-05			0.008093	0.002706	0.002138	0.063726	0.000694
0.009668	0.000136	0.000594	0.000142	0.0694	0.001457	0.042199	0.000482	3.359929	0.109629	0.024479	0.001716	0.00063	0.000101			0.007875	0		0.062106	0.000475
0.008667	0.000462	0.000477	1.08E-05	0.062174	0.002369	0.041357	0.001291	3.130862	0.106656	0.023287	0.001046	0.000596	3.85E-05			0.007601	0		0.058592	0.000915
0.007587	0.000232	0.000476	5.68E-05	0.058098	0.001415	0.041556	0.001236	2.89999	0.074221	0.022094	0.000427	0.00051	2.82E-05			0.007164	0		0.055281	0.000722
0.008291	0.000241	0.000463	5.17E-06	0.055743	0.000926	0.041894	0.000779	3.371525	0.095285	0.022288	0.000423	0.000532	1.62E-05			0.007241	0		0.053785	0.000682
0.009047	7.61E-05	0.000406	2.74E-05	0.056192	0.001853	0.043001	0.000528	2.734029	0.022598	0.022271	0.000298	0.000515	2.08E-05			0.007279	0		0.053737	0.000933
0.00853	0.000351	0.000409	2.85E-05	0.051679	0.000891	0.04095	0.000819	2.601316	0.050986	0.022077	0.000878	0.000457	2.17E-05			0.006894	0		0.049761	0.000562
0.008543	0.000241	0.000409	9.62E-06	0.05138	0.002241	0.042994	0.001859	2.596013	0.096371	0.022174	0.001013	0.00053	1.94E-05			0.006669	0		0.04887	0.001051
0.007811	0.000413	0.000414	1.86E-05	0.050139	0.001211	0.042068	0.000358	2.527675	0.008393	0.021845	0.00075	0.000473	1.72E-05			0.006561	0.003625	0.00062	0.048055	0.000446
0.007446	0.000294	0.000405	2.11E-05	0.04796	0.001273	0.042798	0.000448	2.366802	0.026241	0.021728	0.001068	0.000457	8.35E-05			0.005894	0		0.04589	0.000336
0.006456	8.71E-05	0.000414	2.5E-05	0.044328	0.001503	0.041992	0.001016	2.74689	0.013686	0.021519	0.00029	0.000479	2.55E-05			0.006372	0		0.046045	0.00047
0.004519	9.07E-05	0.000531	2.41E-05	0.047229	0.000878	0.042223	0.001179	2.267548	0.044327	0.02102	0.000498	0.00039	4.29E-05			0.005875	0		0.043932	0.000234
0.00361	0.000302	0.000537	8.3E-05	0.042849	0.001385	0.04422	0.001683	2.244908	0.032338	0.02108	0.000965	0.000892	0.000111			0.006006	0		0.043975	0.001176
0.003529	0.00024	0.000626	0.000361	0.041994	0.001317	0.045531	0.001108	2.232073	0.003893	0.021654	0.000587	0.00048	0.00026			0.00568	0.00323	0.003808	0.044098	0.000855
0.003014	0.000225	0		0.039034	0.002304	0.044789	0.001061	2.158851	0.11005	0.020913	0.000297	0				0.005591	0.002733	0.002401	0.041862	0.00045
0.003534	0.00018	0.000421	1.25E-05	0.037233	0.00251	0.043036	0.002285	2.134355	0.111259	0.020763	0.000858	0.00033	2.25E-05			0.005542	0.003336	0.003235	0.040402	0.001437
0.004163	0.000102	0		0.038484	0.001533	0.042557	0.000664	2.575909	0.057205	0.020765	0.000118	0.000373	1.8E-05			0.005273	0		0.041146	0.00121
0.007224	0.000239	0		0.036888	0.000523	0.043947	0.000901	2.023226	0.024906	0.02058	0.000427	0.000475	3.77E-05			0.00535	0.004708	0.003119	0.041456	0.000864
0.007139	0.000416	0		0.034542	0.000925	0.044334	0.001124	2.005451	0.016961	0.020334	0.000643	0.000457	1.69E-05			0.005209	0		0.041822	0.000694
0.006948	0.000266	0.000445	1.51E-05	0.033287	0.001732	0.045091	0.001016	1.969854	0.049889	0.021225	0.000343	0.000444	2.2E-05			0.005103	0		0.041792	0.001167
0.006537	0.000175	0		0.092586	0.001896	0.044973	0.000935	2.021818	0.032905	0.020668	0.00053	0.003466	4.75E-05			0.004866	0		0.041923	0.001109

Cr (ppm)	stdev (Cr )	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	Mn ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)	Rb(ppm)	stdev (Rb)	Sb(ppm)	Se(ppm)	stdev (Se)	Sr ICPMS (ppm)	stdev (Sr)
0.021721	0.000602	0		0.040166	0.001196	0.039943	0.001825	2.274586	0.092546	0.021471	0.000416	0				0.004808	0.020763	0.026675	0.047871	0.002443
0.005661	0.000464	0		0.033117	0.00041	0.043695	0.000888	2.290111	0.077523	0.019962	0.000715	0.000484	2.17E-05			0.004807	0		0.041427	0.000594
0.004684	0.000244	0		0.05846	0.00417	0.03932	0.001158	2.22317	0.114032	0.020514	0.000741	0				0.004693	0		0.045148	0.000121
0.003456	0.000172	0		0.033989	0.001458	0.038688	0.000849	1.978012	0.042537	0.019299	0.001009	0				0.004452	0.01272	0.006525	0.039752	0.000861
0.002874	0.000559	0		0.047716	0.00169	0.041923	0.002204	2.04422	0.023751	0.019344	0.001423	0				0.00434	0		0.038587	0.002002
0.003003	0.000564	0		0.041665	0.000467	0.040054	0.001423	1.92144	0.054165	0.018445	0.000985	0				0.0043	0.015248	0.008757	0.03929	0.001252
0.00247	0.000166	0		0.033907	0.002092	0.042416	0.00254	2.256828	0.139476	0.020253	0.000456	0				0.004181	0		0.040974	0.001764
0.002356	9.08E-05	0		0.027331	0.000537	0.045382	0.000372	2.285189	0.036623	0.019422	0.000684	0				0.004102	0		0.041175	0.000803
0.002899	0.000139	0		0.028672	0.000888	0.050554	0.00176	1.918828	0.044148	0.018819	0.000909	0				0.004111	0		0.041092	0.000753
0.002955	0.000103	0		0.028573	0.00058	0.049565	0.001664	1.810271	0.064961	0.018118	0.000827	0.000322	7.15E-06			0.004112	0		0.039676	0.001001
0.002859	6.87E-05	0		0.029724	0.000899	0.050129	0.000593	1.92981	0.035268	0.018766	5.6E-05	0.000421	3.01E-05			0.003954	0		0.040801	0.00173
0.003001	3.58E-05	0		0.026712	0.000436	0.048498	0.000299	1.827185	0.045853	0.018526	0.000317	0				0.003947	0		0.040304	0.000802
0.002332	8.65E-05	0		0.026507	0.000815	0.050594	0.000485	1.832428	0.024081	0.018464	0.000328	0				0.003807	0		0.041894	0.001085
0.002492	0.00021	0		0.02393	0.000888	0.045804	0.001714	2.159692	0.021893	0.019429	0.000492	0				0	0		0.042437	0.001226
0		0		0.037197	0.002312	0.049993	0.00119	1.89721	0.054857	0.028245	0.001159	0.000774	5.88E-05			0	0.006217	0.003662	0.044232	0.000555
0		0		0.036349	0.001315	0.050115	0.00184	1.872882	0.056158	0.027972	0.000997	0.000768	1.04E-05			0.003642	0		0.043505	0.000858
0		0		0.03477	0.000589	0.048095	0.001961	1.715618	0.038338	0.026032	0.000351	0.00066	2.07E-05			0.003671	0.003844	0.002635	0.043062	0.001428
0		0		0.036128	0.000213	0.048735	0.002116	1.717805	0.063646	0.027576	0.000698	0.000752	5.07E-05			0	0		0.044688	0.000941
0		0		0.034196	0.001632	0.048128	0.001271	2.00177	0.052381	0.026057	0.000825	0.000631	1.88E-05			0	0.003938	0.00172	0.046217	0.000945
0.00147	0.000224	0		0.021976	0.001086	0.046727	0.000341	2.360378	0.064147	0.020154	0.000981	0				0	0		0.047993	0.00065
0.001558	0.000249	0.000476	0.000114	0.020953	0.000421	0.04676	0.000634	2.32314	0.0388	0.019528	0.00055	0.00046	0.000136			0.003551	0		0.048173	0.000573
0.001584	2.32E-05	0		0.023698	0.000428	0.0495	0.001994	1.9389	0.022585	0.018069	0.00041	0.000313	3.24E-05			0.00317	0		0.046994	0.000144
0.002034	0.000171	0		0.066308	0.002867	0.052396	0.001548	1.982369	0.036414	0.019438	0.000477	0.002057	5.08E-05			0.003216	0		0.047869	0.001196
0.001733	5.25E-05	0		0.021953	0.000688	0.049432	0.001177	1.963139	0.04426	0.018122	0.00061	0				0.003208	0		0.048325	0.000901
0.001975	0.000136	0		0.024718	0.001067	0.050584	0.000522	1.991624	0.010107	0.018683	0.000343	0.000309	2.17E-05			0.003222	0		0.049774	0.001055
0.001377	5.02E-05	0		0.020925	0.000515	0.048442	0.000706	1.850102	0.047493	0.01796	0.00042	0				0.00319	0.003553	0.00125	0.048701	0.000515
0.001717	0.000155	0		0.020797	0.00145	0.051307	0.000404	1.778127	0.050784	0.01807	0.000707	0.000331	3.52E-05			0.003097	0		0.048917	0.002485
0.001531	8.37E-05	0.000497	3.52E-05	0.021536	0.000339	0.047609	0.001252	1.735988	0.048758	0.020891	0.00065	0.000344	2.78E-05			0.003161	0		0.048873	0.000472
0.001122	6.13E-05	0		0.022115	0.001557	0.051337	0.000709	1.731054	0.062611	0.018036	0.000329	0				0.002985	0		0.049402	0.00196
0.001219	7.23E-05	0		0.020217	0.000202	0.049494	4.62E-05	1.845053	0.037246	0.018006	0.000477	0				0.002863	0		0.050268	0.000899
0.001135	6.81E-05	0		0.020679	0.000453	0.049498	0.001022	2.095476	0.017043	0.018082	0.000213	0				0.002905	0		0.054105	0.000674
0.001703	0.00017	0		0.018584	0.000158	0.047254	0.001433	2.509365	0.096198	0.01901	0.000463	0				0.00284	0		0.055867	0.000929
0.001584	0.000162	0		0.022195	0.001094	0.049396	0.001325	2.198533	0.006684	0.019112	0.000478	0				0.002793	0		0.055177	0.001614
0.002169	0.000798	0		0.02181	0.001561	0.044368	0.000196	2.581791	0.052712	0.019811	0.001493	0				0.002809	0		0.060131	0.000226
0.002412	0.000272	0		0.023622	0.00329	0.044756	0.003216	2.606143	0.049242	0.018977	0.000933	0				0.002786	0		0.060404	0.002178
0.001969	0.000301	0		0.021503	0.002312	0.04641	0.002441	2.68969	0.023299	0.019341	0.000796	0				0.002783	0		0.062948	0.002379
0.00138	0.000103	0		0.016563	0.000296	0.046821	0.000521	2.587023	0.078183	0.019268	0.000491	0				0.002812	0		0.062582	0.001422
0		0		0.030479	0.000616	0.045922	0.001443	2.220002	0.060812	0.02767	0.001181	0.000642	2.22E-05			0	0.002932	0.003121	0.064698	0.001191
0		0		0.027968	0.000284	0.047851	0.001652	2.218108	0.050806	0.027023	0.000359	0.000538	1.01E-05			0	0.005235	0.004669	0.066082	0.000672
0		0		0.028943	0.000903	0.047179	0.001327	2.228449	0.058906	0.02736	0.00109	0.000722	8.38E-06			0	0.002727	0.00328	0.068615	0.002031
0		0		0.02802	0.001152	0.045619	0.000836	2.186651	0.089653	0.026474	0.00027	0.000645	1.25E-05			0	0.00542	0.004341	0.067623	0.0011

Cr (ppm)	stdev (Cr )	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	Mn ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)	Rb(ppm)	stdev (Rb)	Sb(ppm)	Se(ppm)	stdev (Se)	Sr ICPMS (ppm)	stdev (Sr)
0		0		0.027809	0.000322	0.046487	0.001482	2.287348	0.126759	0.028177	0.002008	0.000646	3.16E-05			0	0.004853	0.002163	0.071724	0.000816
0		0		0.029348	0.000833	0.048236	0.002026	2.447984	0.047076	0.027677	0.001234	0.000659	1.85E-05			0	0.004572	0.004205	0.073348	0.000792
0		0		0.028535	0.001166	0.046675	0.001529	2.63248	0.052233	0.028109	0.001296	0.000662	1.26E-05			0	0.005951	0.002789	0.076814	0.001618
0		0		0.026666	0.001737	0.046464	0.00127	2.668953	0.042287	0.028606	0.001724	0.000602	1.24E-05			0	0		0.079235	0.000971
0		0		0.028021	0.000692	0.046227	0.001243	2.645209	0.097886	0.028621	0.00187	0.000638	2.75E-05			0	0		0.081021	0.001692
0		0.000449	8.57E-05	0.03066	0.001096	0.046741	0.001148	2.687386	0.111717	0.02897	0.001453	0.002033	0.001883			0	0		0.081828	0.000241
0		0		0.026004	0.000545	0.044992	0.001623	2.608988	0.094515	0.027073	0.001374	0.000581	1.22E-05			0	0.003478	0.001871	0.082739	0.002387
0		0		0.028002	0.001061	0.046016	0.000432	2.696716	0.070635	0.027642	0.000898	0.000691	1.9E-05			0	0.005902	0.001351	0.082438	0.00179
0		0		0.026515	0.000763	0.046369	0.002453	2.63693	0.055931	0.028226	0.001219	0.000595	1.51E-05			0	0.00463	0.008153	0.086464	0.000716
0.001217	0.000204	0		0.014375	0.000144	0.047725	0.000893	2.54666	0.06677	0.020152	0.000391	0				0.002359	0		0.088874	0.001269
0		0		0.026829	0.000709	0.045004	0.000871	2.660093	0.082422	0.029681	0.001164	0.00065	1.73E-05			0	0.00523	0.002251	0.091233	0.001829
0		0		0.027047	0.001209	0.043988	0.000709	2.514118	0.069424	0.028512	0.000174	0.000682	2.62E-05			0	0.003009	0.002015	0.088126	0.0003
0		0		0.029399	0.000335	0.043213	0.001032	2.65023	0.022455	0.027457	0.001819	0.000909	2.47E-06			0	0.006595	0.002042	0.090821	0.003208
0		0		0.027843	0.000914	0.04493	0.000743	2.926803	0.012157	0.028027	0.001116	0.000673	2.86E-05			0.002245	0.003613	0.00471	0.096022	0.00104
0		0		0.026612	0.001183	0.042518	0.000547	2.822265	0.068863	0.02842	0.000648	0.000733	3.41E-05			0	0.002694	0.003444	0.094166	0.000578
0		0		0.035456	0.001671	0.042907	0.00149	2.906421	0.109227	0.028297	0.000288	0.001402	4.6E-05			0	0.005381	0.002734	0.097658	0.001665
0.001045	7.88E-06	0		0.012868	0.00036	0.044303	0.000804	2.797775	0.059486	0.018908	0.000359	0				0.002103	0		0.093223	0.00231
0		0		0.025374	0.000389	0.042911	0.001004	2.851503	0.055418	0.028645	0.001343	0.000674	2.14E-05			0	0		0.100526	0.000708
0		0		0.024909	0.000958	0.042514	0.000323	2.910653	0.031312	0.028024	0.001162	0.000579	2.51E-05			0	0.004219	0.006617	0.099532	0.000701
0.001273	7.68E-05	0		0.011955	0.000225	0.046201	0.002027	2.929047	0.037787	0.02015	0.00031	0				0.002154	0		0.103814	0.000965
0.000222	0.000262	0		0.011989	5.43E-05	0.045755	0.002771	2.856398	0.028115	0.019605	0.000777	0				0.00205	0		0.103381	0.001108
0		0		0.012157	0.000658	0.046315	0.001682	2.840661	0.114858	0.021441	0.000589	0				0.00199	0		0.103021	0.000525
0.000637	9.66E-05	0		0.011904	0.00039	0.046142	0.000985	2.756489	0.066444	0.020929	0.000462	0				0.001984	0		0.102982	0.00037
0		0		0.011922	0.000179	0.046516	0.001049	3.062646	0.102475	0.021053	0.000925	0				0.001993	0.002869	0.002996	0.106384	0.001022
0		0		0.014236	0.000326	0.043484	0.000704	2.823446	0.061384	0.019347	0.000678	0.000555	2.61E-05			0.001966	0		0.105868	0.001829
0.000243	0.00012	0		0.011912	0.000175	0.044311	0.001199	3.028729	0.096092	0.020485	0.000256	0				0.001934	0.002734	0.001766	0.10548	0.000166
0		0		0.011123	0.000201	0.044472	0.001162	2.950612	0.084611	0.020976	0.00117	0				0.001934	0		0.108357	0.001582
0		0		0.011416	0.00021	0.042775	0.000555	3.035434	0.027523	0.020765	0.001023	0				0.001922	0.004263	0.001683	0.10922	0.00158
0.000404	0.000174	0		0.010876	0.000185	0.043523	0.001368	3.00692	0.019144	0.020881	0.001517	0				0.001884	0		0.111783	0.001878
0.000663	0.000201	0		0.011405	0.000297	0.043694	0.001055	3.140405	0.107465	0.022447	0.000476	0				0.001952	0		0.113483	0.002036
0		0		0.011875	0.000337	0.043466	0.000796	3.121144	0.033348	0.021408	0.00064	0				0.001897	0		0.113924	0.001233
0.00054	0.00029	0		0.010446	0.000197	0.043322	0.000828	2.959565	0.096555	0.020503	0.001146	0				0.001891	0.003068	0.002316	0.114534	0.001359
0		0		0.010048	0.000285	0.038553	0.001465	2.868986	0.024416	0.018702	0.000347	0				0.001939	0		0.111966	0.002607
0.009745		0		0.05944						0.025685		0.00053				0.01	0			
0.000671	0.0002	0		0.013471	0.000294	0.04186	0.000749	3.215421	0.14161	0.021716	0.000429	0				0.00	0		0.12487	0.001861
0		0		0.009543	0.000102	0.043416	0.000907	2.650934	0.084975	0.020648	0.000319	0				0.00	0		0.106558	0.002401
0.000497	5.49E-05	0		0.008613	0.000149	0.039307	0.001919	3.027751	0.116677	0.019762	0.000488	0				0.00	0		0.125104	0.003083
0		0		0.016944						0.019305		0				0.00	0			
0		0		0.008327	0.000195	0.043194	0.001455	3.11981	0.122775	0.021212	0.000106	0				0.00	0		0.124994	0.001748
0.00366		0		0.042495						0.023925		0				0.00	0.003287			
0.000753		0		0.016328						0.018926		0				0.00	0			

Cr (ppm)	stdev (Cr )	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	Mn ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)	Rb(ppm)	stdev (Rb)	Sb(ppm)	Se(ppm)	stdev (Se)	Sr ICPMS (ppm)	stdev (Sr)
0		0		0.013752	0.000192	0.042504	0.0003	3.331424	0.036686	0.021445	0.000617	0				0.00	0.003026	0.002155	0.138357	0.001163
0		0		0.010331	0.000224	0.040461	0.002347	3.313185	0.046172	0.021624	0.000703	0				0.00	0.002783	0.003943	0.138218	0.002687
0		0		0.009915	0.000145	0.041468	0.001073	2.92437	0.059431	0.021209	0.000415	0				0.00	0		0.127855	0.001842
0		0		0.009449	0.000199	0.042101	0.000605	3.326516	0.048714	0.021867	0.000976	0				0.00	0		0.13344	0.003237
0		0		0.013439	0.000292	0.04279	0.001514	3.263597	0.115272	0.0215	0.000937	0				0.00	0		0.133346	0.001532
0		0		0.009999	0.000468	0.042411	0.002459	3.216507	0.118625	0.020953	0.00053	0				0.00	0.003349	0.002779	0.132019	0.001954
0		0		0.007429	0.000306	0.040632	0.000984	3.057446	0.027465	0.021775	0.001058	0				0.00	0.005333	0.002307	0.132766	0.001398
0		0		0.00696	8.35E-05	0.042193	0.001458	3.271568	0.041628	0.02125	0.000682	0				0.00	0		0.138031	0.000698
0.000705	0.000209	0		0.007301	0.000517	0.041088	0.001457	3.386431	0.10434	0.021087	0.00159	0				0.00	0		0.142838	0.003279
0.000346	6.34E-05	0		0.005336	0.00022	0.038376	0.001103	2.947224	0.022567	0.018686	0.000325	0				0.00	0		0.129803	0.003282
0.001354	0.000187	0.000632	0.000117	0.006027	0.000678	0.042313	0.002354	3.433867	0.01023	0.021326	0.000494	0.00152	0.002096			0.00	0.005108	0.00402	0.152017	0.002291
0		0		0.005415	0.000274	0.040613	0.001785	3.563578	0.029321	0.021478	0.000272	0				0.00	0.00323	0.001233	0.155285	0.003829
0		0		0.006318	0.000421	0.042199	0.000572	3.644432	0.097165	0.02142	0.000381	0				0.00	0		0.162846	0.002114
0.000309	0.000103	0		0.006058	0.000203	0.04113	0.00254	3.627367	0.13088	0.021025	0.000474	0				0.00	0		0.163364	0.003371
0		0		0.005842	0.000228	0.040291	0.000451	3.699885	0.069484	0.020634	0.000558	0				0.00	0		0.167527	0.005047
0		0		0.007162						0.022189		0				0.00	0.003516			
0		0		0.005958	0.000338	0.041163	0.00087	3.719731	0.004165	0.021286	0.000645	0				0.00	0		0.170285	0.002954
0		0		0.007256	0.000415	0.049011	0.001085	4.242803	0.03627	0.024025	0.001287	0				0.00	0		0.194677	0.008036
0		0.000407	6.49E-05	0.00644	0.000277	0.046893	0.002379	4.38579	0.075373	0.024348	0.000934	0				0.00	0.002724	0.002675	0.19402	0.006999
0		0		0.004925	0.00066	0.038971	0.000909	3.718169	0.071151	0.021059	0.000428	0				0.00	0.003974	0.002718	0.167934	0.002
0		0		0.006643	0.000769	0.040423	0.002543	3.815668	0.122807	0.021174	0.000406	0				0.00	0.003784	0.003175	0.176222	0.003006
0		0		0.006272	0.000767	0.039403	0.000538	3.758515	0.04283	0.021829	0.001311	0				0.00	0		0.177465	0.007737
0		0.018745	0.000345	0.003865	0.000391	0.038014	0.000498	3.847191	0.060175	0.020438	0.0004	0.001134	1.57E-05			0.00	0.003414	0.000975	0.174167	0.003673
0		0		0.005163	0.000178	0.039449	0.000744	3.878723	0.154248	0.021454	0.000539	0.001317	2.25E-05			0.00	0		0.179481	0.006983
0		0.001242		0.011221						0.021538		0.001044				0.00	0			
0.000627	0.000182	0.000433	8.65E-06	0.006247	0.000238	0.041224	0.000507	3.04669	0.058665	0.021507	0.000327	0.000332	2.33E-05			0.00	0		0.144101	0.003757
0.000688	9.44E-05	0		0.059201	0.002092	0.035971	0.000252	3.195794	0.095959	0.020222	0.000273	0.003028	1.95E-05			0.00	0		0.158728	0.003091
0.000509	3.14E-05	0		0.005281	0.000153	0.03605	0.000798	2.916103	0.083128	0.019106	0.00064	0				0.00	0		0.138547	0.003681
0		0		0.003199	0.000169	0.034094	0.001182	2.974943	0.086614	0.018093	0.000508	0				0.00	0		0.153269	0.005677
0.000253	6.73E-05	0		0.004624	0.000515	0.035592	0.000594	2.891501	0.098068	0.017942	0.000368	0				0.00	0		0.142403	0.001165
0		0		0.006153	0.000327	0.035442	0.000705	3.009379	0.052804	0.017536	0.000931	0				0.00	0.003471	0.002991	0.155472	0.002622
0.000232	4.33E-05	0		0.003939	0.000367	0.035696	0.000194	2.815914	0.042567	0.017456	0.000349	0				0.00	0		0.139804	0.003343
0.000589	8.73E-05	0		0.012506	0.000692	0.036255	0.001146	3.072557	0.049236	0.017621	0.000797	0.001111	3.45E-05			0.00	0		0.156648	0.001926
0.000276	4.69E-05	0		0.0043	0.000246	0.034231	0.001941	2.802272	0.099551	0.018661	0.000757	0				0.00	0		0.144089	0.006467
0		0		0.005571	0.000305	0.040404	0.000929	3.689527	0.10997	0.021665	0.000588	0				0.00	0		0.179673	0.002233
0.000524	0.000122	0.000427	1.83E-05	0.00623	0.000214	0.040066	0.000853	3.520336	0.032627	0.021771	0.000885	0				0.00	0		0.163753	0.004239
0.000597	9.97E-05	0.000436	1.85E-05	0.028375	0.001196	0.040319	0.001075	3.679457	0.10898	0.021316	0.000392	0				0.00	0		0.177061	0.003849
0		0		0.007153	0.000252	0.039962	0.000351	3.503133	0.016146	0.023471	0.000442	0.000467	2.31E-05			0.00	0		0.164118	0.000902
0		0		0.006914	0.000225	0.03902	0.000941	3.704623	0.081228	0.021863	0.000881	0				0.00	0		0.175255	0.005659
0		0.000708	1.47E-05	0.006371	4.9E-05	0.04043	0.000694	3.514829	0.053704	0.022425	0.000835	0				0.00	0		0.171764	0.00166
0		0.000595	0.000158	0.005926	0.000225	0.039979	0.000516	3.790682	0.067506	0.022451	0.00052	0.000475	0.000158			0.00	0		0.180961	0.007706

Cr (ppm)	stdev (Cr )	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	Mn ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)	Rb(ppm)	stdev (Rb)	Sb(ppm)	Se(ppm)	stdev (Se)	Sr ICPMS (ppm)	stdev (Sr)
0.00074	0.000119	0		0.005696	0.000147	0.040608	0.000571	3.727933	0.071859	0.023414	0.000778	0				0.00	0		0.181045	0.001852
0		0		0.009653	0.00017	0.038643	0.000733	3.647919	0.085873	0.02119	0.000416	0.000445	2.48E-05			0.00	0		0.180572	0.003579
0		0		0.005396	8.04E-05	0.036862	0.001105	3.649576	0.09455	0.021211	0.00056	0				0.00	0		0.181154	0.003482
0		0		0.005659						0.020767		0.02106				0.00	0			
0		0		0.005246						0.020939		0.000482				0.00	0			
0		0.000414	2.15E-05	0.004474	8.73E-05	0.039467	0.002645	3.501217	0.080836	0.02571	0.000594	0				0.00	0		0.177657	0.002722
0		0.000432	3.27E-05	0.006643	0.000406	0.040526	0.001398	3.680617	0.081287	0.022877	0.001171	0				0.00	0		0.174246	0.007168
0		0		0.005946	9.35E-05	0.041667	0.001164	3.743492	0.04943	0.024332	0.000901	0				0.00	0		0.176557	0.00326
0		0		0.006957	0.000187	0.039621	0.000123	3.730572	0.03812	0.022112	0.000408	0				0.00	0		0.182787	0.005574
0		0		0.006673	0.000265	0.039278	0.002353	3.629449	0.090533	0.023012	0.000535	0				0.00	0		0.173558	0.003381
0.000419	0.000173	0		0.07341	0.001633	0.038524	0.001137	3.732697	0.012027	0.022611	0.000436	0.006914	0.000165			0.00	0		0.18453	0.006347
0		0		0.005552	0.000133	0.037954	0.002252	3.823123	0.158179	0.021136	0.000413	0				0.00	0		0.186423	0.001814
0.000226	9.4E-05	0		0.002991	6.15E-05	0.034967	0.000686	3.428611	0.038218	0.027623	0.000539	0				0.00	0		0.194706	0.001918
0.000268	4.91E-05	0		0.003802	0.0003	0.035768	0.001487	3.308494	0.132569	0.033206	0.001219	0				0.00	0		0.192185	0.003986
0.000262	6.33E-05	0.00051	2.57E-05	0.003255	0.000308	0.035897	0.001723	3.223206	0.112619	0.043173	0.002436	0				0.00	0		0.200787	0.001175
0.001346	8.2E-05	0.000548	3.22E-05	0.003193	0.000243	0.03674	0.000554	1.687468	0.044963	0.043802	0.001664	0				0.00	0		0.20197	0.00402
0.002102	3.27E-05	0.000532	1.05E-05	0.003288	0.000254	0.037362	0.002245	0.74156	0.015676	0.04144	0.000144	0				0.00	0		0.194446	0.002042
0.001051	6.76E-05	0.000507	2.56E-05	0.003761	0.000321	0.03832	0.001771	2.153956	0.091207	0.044131	0.002073	0				0.00	0		0.195586	0.00596
0.000714	8.11E-05	0.000511	2.74E-05	0.003956	0.000105	0.039243	0.001385	1.720387	0.057783	0.038309	0.001707	0				0.00	0		0.20321	0.003941
0.001043	0.000123	0.000591	2.89E-05	0.004896	0.000377	0.038927	0.000878	1.813102	0.022472	0.040795	0.001631	0				0.00	0		0.192715	0.004508
0.012137	0.000165	0.001945	0.00078	0.009792	0.000606	0.040611	0.001967	1.903883	0.056182	0.0448	0.002268	0.002233	0.000674			0.00	0		0.194644	0.004665
0.000879	7.79E-05	0.000668	3.74E-05	0.007551	0.000142	0.042686	0.001207	2.199427	0.068593	0.043626	0.000945	0				0.00	0		0.208165	0.001969
0.001822	0.000274	0.000637	2.26E-05	0.009149	0.000574	0.036894	0.00117	2.258815	0.050958	0.044934	0.001387	0				0.00	0		0.203989	0.004565
0.001366	0.000111	0.000561	2.01E-05	0.007209	0.000394	0.037159	0.001999	4.042818	0.061981	0.059726	0.002508	0				0.00	0		0.199017	0.006216
0.000669	0.000111	0.000585	4.13E-05	0.007606	0.00028	0.041677	0.002382	3.409685	0.133176	0.056961	0.001431	0				0.00	0		0.194966	0.004788
0.000699	0.000103	0.000558	1.99E-05	0.047123	0.001204	0.040653	0.001606	3.123097	0.061936	0.056358	0.001653	0.000994	3.41E-05			0.00	0.004336	0.001062	0.190075	0.007306
0.00092	5.06E-05	0.00053	3.65E-05	0.006521	0.000305	0.041017	0.003757	3.691398	0.082274	0.067879	0.002195	0				0.00	0.002712	0.00264	0.184379	0.005994
0.001302	0.000101	0.000541	1.17E-05	0.007218	0.000167	0.040194	0.001642	4.535173	0.04201	0.058393	0.000493	0				0.00	0		0.193996	0.003872
0.000765	7.36E-05	0.000586	1.33E-05	0.006193	0.000339	0.038244	0.001174	3.584504	0.039283	0.051117	0.000935	0				0.00	0		0.185717	0.004031
0.008848	0.000178	0.000544	3.29E-05	0.008284	0.000338	0.042985	0.001968	3.002543	0.071573	0.055322	0.00078	0				0.00	0		0.195871	0.004665
0.000946	8.3E-05	0.000559	2.42E-05	0.084669	0.003633	0.040439	0.001096	3.595177	0.097438	0.046259	0.000648	0.008874	0.00037			0.00	0		0.178681	0.002053
0.001007	8.13E-05	0.000596	1.28E-05	0.006448	2.77E-05	0.040139	0.002217	3.0956	0.017883	0.048034	0.000539	0				0.00	0		0.182915	0.004897
0.007933	0.00025	0.000534	9.43E-06	0.009015	0.000644	0.040273	0.001769	3.578653	0.200477	0.049207	0.002126	0				0.00	0		0.186431	0.003458
0.000858	0.000156	0.000514	1.11E-05	0.004946	0.00018	0.041706	0.000154	3.925794	0.085417	0.051354	0.000807	0				0.00	0		0.189803	0.003456
0.002745	0.00014	0.000604	3.71E-05	0.005956	0.000397	0.041636	0.001783	1.937032	0.037113	0.037652	0.000488	0				0.00	0		0.17383	0.001365
0.001171	0.000171	0.00056	6.42E-06	0.005338	0.000406	0.041524	0.001466	2.307018	0.028207	0.037664	0.000509	0.000665	2.87E-05			0.00	0		0.173593	0.002525
0.001182	4.82E-05	0.000485	3.92E-05	0.006655	0.000328	0.03789	0.000854	3.360793	0.118478	0.041141	0.000645	0				0.00	0		0.164793	0.005943
0.000664	5.86E-05	0.000531	6.07E-06	0.094018	0.000871	0.041978	0.001683	3.713632	0.027098	0.047127	0.000904	0.004227	0.000125			0.00	0		0.178239	0.004069
0.001228	4.7E-05	0.000545	2.78E-05	0.005419	0.000281	0.040892	0.001847	3.283711	0.071093	0.039348	0.000176	0				0.00	0		0.176331	0.003141
0.000877	0.000156	0.000548	8.19E-06	0.016218	0.000461	0.041806	0.003077	3.954565	0.113215	0.042895	0.002096	0				0.00	0		0.179116	0.003945
0.000697	9.81E-05	0.000526	1.11E-05	0.004903	0.00016	0.042073	0.000285	4.041967	0.116156	0.046502	0.001029	0				0.00	0		0.185085	0.007995

Cr (ppm)	stdev (Cr )	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	Mn ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)	Rb(ppm)	stdev (Rb)	Sb(ppm)	Se(ppm)	stdev (Se)	Sr ICPMS (ppm)	stdev (Sr)
0.000713	4.01E-05	0.000534	9.8E-06	0.004206	0.000153	0.043491	0.000326	3.968245	0.082246	0.044551	0.000906	0				0.00	0		0.183432	0.009116
0.000369	3.2E-05	0.000503	5.38E-06	0.005031	0.000166	0.041664	0.00135	3.969221	0.084436	0.042003	0.000985	0				0.00	0		0.18085	0.000752
0.000521	0.000152	0.00046	1.76E-05	0.005612	0.000125	0.043286	0.00062	3.12493	0.088805	0.043222	0.000818	0				0.00	0		0.172758	0.000483
0.00055	0.000126	0.000543	1.4E-05	0.004447	8.55E-05	0.041388	0.001729	3.451086	0.088402	0.040514	0.002212	0				0.00	0		0.165094	0.001301
0.001295	0.000389	0.000467	3.09E-05	0.004752	0.000325	0.042089	0.002985	3.068694	0.137614	0.03658	0.000496	0				0.00	0		0.166573	0.003072
0.001217	5.84E-05	0.000448	5.32E-06	0.004783	0.000117	0.042079	0.000725	2.874544	0.02562	0.035153	0.000515	0				0.00	0		0.165853	0.003845
0.001797	3.79E-05	0.000488	4.22E-05	0.006263	7.94E-05	0.040476	0.002604	3.146239	0.104528	0.039451	0.000547	0				0.00	0		0.165541	0.004984
0.003208	0.000222	0.000457	5.39E-06	0.005968	0.000215	0.040485	0.001692	2.652323	0.042568	0.037983	0.000659	0				0.00	0		0.158723	0.002533
0.002881	0.000188	0.000474	2.39E-05	0.00548	0.000189	0.041308	0.001348	2.803714	0.081287	0.038985	0.000461	0				0.00	0		0.161286	0.001639
0.010455	0.000913	0.000529	6.22E-06	0.008113	0.000317	0.041142	0.003086	2.59716	0.119742	0.034955	0.001389	0.000462	3.19E-05			0.00	0		0.155889	0.003924
0.004689	6.81E-05	0.001649	0.000743	0.008587	0.000817	0.042254	0.001146	1.553878	0.025592	0.02545	0.001271	0.001234	0.000637			0.00	0		0.124901	0.002084
0.004766	0.000142	0.000752	5.37E-05	0.007658	0.000244	0.039842	0.001959	1.649983	0.063847	0.026005	0.001077	0				0.00	0		0.126799	0.003929
0.001628	8.25E-05	0.000747	1.11E-05	0.014684	0.00048	0.039201	0.001387	1.883218	0.033025	0.026085	0.000139	0.000479	2.78E-05			0.00	0		0.132234	0.001569
0.000866	1.42E-05	0.000696	6.57E-06	0.012295	0.000274	0.048685	0.001923	2.212687	0.096727	0.033991	0.000473	0				0.00	0		0.146955	0.000212
0.000887	8.52E-05	0.000644	3.17E-05	0.010559	0.000397	0.044665	0.001454	2.752654	0.026619	0.034838	0.000312	0				0.00	0		0.14456	0.002155
0.000606	0.000107	0.00059	6.08E-06	0.005639	0.000143	0.03953	0.002596	3.148264	0.114197	0.043133	0.00133	0				0.00	0		0.157479	0.00189
0.000594	9.87E-05	0.000543	9.44E-06	0.005321	0.000171	0.039742	0.002043	3.649035	0.138875	0.037003	0.000375	0				0.00	0		0.166404	0.005921
0		0.00081	0.000307	0.00384	0.000626	0.038663	0.001459	3.771413	0.107308	0.037951	0.000541	0.000728	0.000447			0.00	0.003767	0.001844	0.179146	0.001091
0.000283	6.99E-05	0.00051	8.1E-05	0.003249	0.000308	0.039527	0.00135	3.953076	0.06701	0.033869	0.000816	0				0.00	0		0.177034	0.00405
0.000251	9.09E-05	0		0.002817	0.000126	0.039258	0.001636	3.985362	0.095567	0.034278	0.001436	0				0.00	0		0.1887	0.003481
0		0.000437	1.26E-05	0.002884	4.69E-05	0.043963	0.003304	3.896326	0.066287	0.033536	0.000685	0				0.00	0		0.182811	0.004048
0.002435	0.000153	0		0.002347	0.000102	0.043949	0.000655	3.764787	0.082367	0.026321	0.000783	0				0.00	0		0.197954	0.001681
0		0		0.002129	7.84E-05	0.044345	0.003338	3.867555	0.224696	0.02416	0.00093	0				0.00	0		0.19503	0.00356
0.000703	4.98E-05	0		0.00304	0.000267	0.044498	0.00176	3.801651	0.12311	0.02645	0.001334	0				0.00	0		0.18907	0.00145
0.000447	8.65E-05	0		0.003607	0.000131	0.032186	0.002977	3.296318	0.132986	0.020055	0.001615	0				0.00	0		0.161698	0.008845
0.000265	4.65E-05	0		0.028697	0.00066	0.031439	0.00069	3.21803	0.080361	0.020796	0.000651	0				0.00	0.004782	0.002054	0.159235	0.001119
0		0		0.004635	0.000164	0.032505	0.000506	3.437013	0.123927	0.021163	0.00022	0				0.00	0		0.167346	0.001319
0.000242	4.74E-05	0		0.002852	0.000285	0.038133	0.002282	3.915969	0.236958	0.020811	0.001026	0				0.00	0		0.188519	0.002954
0		0		0.002341	0.000136	0.036545	0.00131	3.840964	0.053586	0.020775	0.000281	0				0.00	0		0.186836	0.001327
0.000287	7.67E-05	0		0.002977	0.000149	0.036915	0.00454	3.583967	0.199583	0.023749	0.00116	0				0.00	0		0.18183	0.004591
0		0		0.002336	0.000199	0.03698	0.002004	3.735863	0.186927	0.019791	0.000237	0				0.00	0		0.191373	0.004954
0		0		0.002464	9.29E-05	0.035669	0.000586	3.805026	0.062879	0.01923	0.000627	0				0.00	0.003285	0.005357	0.183647	0.004319
0		0		0.002074	0.000203	0.036287	0.003004	3.749154	0.020551	0.019626	0.001467	0				0.00	0		0.187112	0.000982
0.000258	9.29E-05	0		0		0.042955	0.000579	3.55585	0.079648	0.013326	0.000199	0				0.00	0		0.1758	0.002433
0.000278	3.79E-05	0		0		0.043682	0.002168	3.419795	0.138191	0.012719	0.00086	0				0.00	0		0.176128	0.00452
0.000236	9.12E-05	0		0		0.048492	0.00118	3.694816	0.118604	0.013426	0.001273	0.000755	1.65E-05			0.00	0		0.184524	0.007411
0.001188	4.85E-05	0		0		0.036505	0.001625	3.37165	0.005509	0.011912	0.000577	0				0.00	0		0.172522	0.001363
0		0		0.003269	0.00013	0.036872	0.000501	3.373889	0.045894	0.01836	0.000695	0				0.00	0		0.179532	0.000863
0.00436		0		0.004934						0.020796		0.000432				0.00	0			
0		0		0.001684						0.019912		0				0.00	0			
0		0		0.001432						0.020029		0				0.00	0			



Cr (ppm)	stdev (Cr )	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	Mn ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)	Rb(ppm)	stdev (Rb)	Sb(ppm)	Se(ppm)	stdev (Se)	Sr ICPMS (ppm)	stdev (Sr)
0.000316	0.000124	0		0.001825	0.000261					0.0198	0.0007	0				0.00	0			
0.000441	5.99E-05	0		0.001908	5.52E-05					0.020663	0.000704	0.000321	9.27E-05			0.00	0			
0.001655	9.01E-05	0		0.002095	0.000128					0.019614	0.000248	0				0.00	0			
0.001944	3.3E-05	0.000417	5.99E-05	0.001679	0.000401					0.01957	0.00054	0				0.00	0			
0.000849	9.44E-05	0.000468	9.46E-05	0.001524	0.000279					0.019482	0.000386	0				0.00	0			
0.009518	1.2E-05	0.000493	0.000139	0.004228	0.000177					0.021932	0.001007	0				0.00	0			
0.001106	0.000156	0		0.001283	0.000218					0.019354	0.000636	0				0.00	0			
0.001094	8.95E-05	0		0.001281	0.000158					0.019539	0.000491	0				0.00	0			
0		0		0.001948	0.000229					0.020669	0.00103	0				0.00	0			
0.004275	0.000101	0		0.002385	9.46E-05					0.020361	0.000649	0				0.00	0			
0.007053	8.38E-05	0		0.00662	0.000352					0.021711	0.00125	0				0.00	0			
0.000842	7.81E-05	0		0.014401	0.000766					0.019679	0.001523	0				0.00	0			
0		0		0.004329	0.000348					0.01985	0.00156	0				0.00	0			
0.000267	0.000133	0		0.003225	0.000175					0.020028	0.00052	0				0.00	0			
0		0		0.002148	0.000147					0.018467	0.001149	0				0.00	0			
0.00085	0.000195	0		0.003809	0.000203					0.019624	0.001529	0.000464	1.69E-05			0.00	0			
0.000482	1.97E-05	0		0.003499	0.000253					0.020872	0.001011	0.001292	1.76E-05			0.00	0			
0		0		0.002804	0.000112					0.020251	0.000766	0				0.00	0			
0.000379	8.41E-05	0		0.004462	0.000146					0.019998	0.000209	0				0.00	0			
0		0		0.002558	0.000111					0.019639	9.21E-05	0				0.00	0			
0.003549	0.000207	0		0.004793	0.000262					0.020071	0.000605	0				0.00	0			
0.000207	0.000238	0		0.002241	0.000125					0.0194	0.000446	0				0.00	0			
0		0		0.002338	7.65E-05					0.020848	0.000544	0				0.00	0			

Cr (ppm)	stdev (Cr )	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	Mn ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)	Rb(ppm)	stdev (Rb)	Sb(ppm)	Se(ppm)	stdev (Se)	Sr ICPMS (ppm)	stdev (Sr)
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Tl(ppm)	stdev (Tl)	U(ppm)	stdev (U)	V(ppm)	stdev (V)	Zn ICPMS (ppm)	stdev (Zn)
0		0		0		0	
0		0		0		0	
0		0		0		0	
0		0		0		0	
0		0		0		0	
0		0		0		0	
0		0		0		0	
0		0		0		0	
0.00172	3.13E-05	0		0.002584	1.34E-05	0.089134	0.00140634
0.001329	1.9E-05	0		0.002522	6.42E-05	0.09206	0.001411034
0.001298	1.31E-05	0		0.002517	7.43E-05	0.098428	0.002606149
0.001201	1.54E-05	0		0.002372	0.000113	0.086047	0.000592764
0.002255	4.07E-05	0		0.002546	9.05E-05	0.06385	0.000323968
0.001051	4.87E-05	0		0.002387	5.96E-05	0.056242	0.001611877
0.000771	3.11E-06	0		0.002453	6.58E-05	0.058164	0.000757701
0.000613	2.93E-05	0		0.002423	7.79E-05	0.053396	0.000836703
0.000588	4.16E-05	0		0.002406	8.66E-05	0.054687	0.000186328
0.000566	4.27E-05	0		0.002435	7.73E-05	0.054609	0.001631832
0.001297	2.89E-05	0		0.002419	5.81E-05	0.051558	0.002112544
0.000592	4.25E-05	0		0.002131	0.000108	0.048304	0.001690566
0.000733	9.04E-05	0.000474	6.32E-05	0.002244	4.6E-05	0.054017	0.000834088
0.000622	6.85E-05	0		0.002227	0.000328	0.045892	0.000974993
0.000562	2.27E-05	0		0.001967	6.27E-05	0.042826	0.001475891
0.000504	1.34E-05	0		0.001839	0.000119	0.041142	0.002321671
0.00095	2.33E-05	0		0.001917	6.29E-05	0.036888	0.000975507
0.000408	2.29E-05	0		0.001834	7.87E-05	0.037163	0.001368296
0.000375	8.92E-06	0		0.001793	4.42E-05	0.033075	0.001269475
0.000371	1.59E-05	0		0.00178	4.54E-05	0.039791	0.001203926
0		0		0.001649	3.48E-05	0.035896	0.000144437
0		0		0.001627	3.13E-05	0.035525	0.001488796
0.000683	1.04E-05	0		0.001531	6.94E-05	0.030715	0.000458289
0		0		0.001387	2.84E-05	0.037327	0.001233559
0.000378	4.87E-05	0		0.00139	0.000132	0.021127	0.000430799
0.00039	0.000233	0		0.001198	0.000115	0	
0		0		0.001055	1.66E-05	0	
0		0		0.000934	7.86E-05	0.021058	0.001098008
0.000477	2.27E-05	0		0.001043	5.07E-05	0	
0		0		0.001229	5.81E-05	0.030546	9.63538E-05
0		0		0.001221	6.22E-06	0.030927	0.000369121
0		0		0.001154	3.24E-05	0.03528	0.000863655
0		0		0.001159	4.01E-06	0.066355	0.001232238

Calculations (below )						
8/30/2017 5:00	2722.8	34,243.7	34.2	2,250.9	2.3	112.9
8/30/2017 6:00	2839.2	35,402.3	35.4	2,334.2	2.3	117.5
8/30/2017 7:00	2955.6	36,597.7	36.6	2,415.3	2.4	122.1
8/30/2017 8:00	3072	37,692.1	37.7	2,492.6	2.5	126.4
8/30/2017 9:00	3188.4	38,821.6	38.8	2,569.2	2.6	130.7
8/30/2017 10:00	3304.8	39,905.3	39.9	2,641.7	2.6	134.9
8/30/2017 11:00	3421.2	40,901.2	40.9	2,707.3	2.7	138.7
8/30/2017 12:00	3537.6	41,923.5	41.9	2,774.4	2.8	142.5
8/30/2017 14:00	3770.4	44,238.1	44.2	2,914.0	2.9	150.4
8/30/2017 16:00	4003.2	46,448.5	46.4	3,042.8	3.0	157.7
8/30/2017 18:00	4236	48,649.2	48.6	3,169.5	3.2	164.7
8/30/2017 20:00	4468.8	50,720.7	50.7	3,285.7	3.3	171.2
8/30/2017 22:00	4701.6	52,590.7	52.6	3,390.5	3.4	177.0
8/31/2017 0:00	4934.4	54,483.3	54.5	3,492.9	3.5	182.7
8/31/2017 2:00	5167.2	56,359.8	56.4	3,588.5	3.6	188.1
8/31/2017 4:00	5400	58,110.3	58.1	3,676.1	3.7	192.9
8/31/2017 6:00	5632.8	59,820.8	59.8	3,758.9	3.8	197.5
8/31/2017 8:00	5865.6	61,478.8	61.5	3,837.8	3.8	202.0
8/31/2017 10:00	6098.4	62,927.5	62.9	3,908.9	3.9	206.1
8/31/2017 12:00	6331.2	64,435.4	64.4	3,980.1	4.0	210.1
8/31/2017 14:00	6564	65,950.5	66.0	4,049.8	4.0	214.0
8/31/2017 16:00	6796.8	67,378.8	67.4	4,115.7	4.1	217.8
8/31/2017 18:00	7029.6	68,742.9	68.7	4,176.8	4.2	221.3
8/31/2017 20:00	7262.4	70,032.8	70.0	4,233.6	4.2	224.6
8/31/2017 22:00	7495.2	71,247.8	71.2	4,285.2	4.3	227.8
9/1/2017 0:00	7728	72,427.2	72.4	4,339.7	4.3	230.9
9/1/2017 2:00	7960.8	73,537.5	73.5	4,389.3	4.4	233.9
9/1/2017 4:00	8193.6	74,615.8	74.6	4,435.7	4.4	236.8
9/1/2017 6:00	8426.4	75,652.6	75.7	4,479.3	4.5	239.6
9/1/2017 8:00	8659.2	76,666.1	76.7	4,519.8	4.5	242.3
9/1/2017 10:00	8892	77,646.7	77.6	4,551.1	4.6	244.9
9/1/2017 12:00	9124.8	78,587.5	78.6	4,575.1	4.6	247.2
9/1/2017 14:00	9357.6	79,530.1	79.5	4,590.4	4.6	249.6
9/1/2017 16:00	9590.4	80,431.1	80.4	4,602.9	4.6	251.8
9/1/2017 18:00	9823.2	81,369.7	81.4	4,616.2	4.6	254.1
9/1/2017 20:00	10056	82,285.9	82.3	4,633.5	4.6	256.7
9/1/2017 22:00	10288.8	83,191.1	83.2	4,656.2	4.7	259.2
9/2/2017 0:00	10521.6	84,039.8	84.0	4,689.7	4.7	261.7
9/2/2017 2:00	10754.4	84,865.1	84.9	4,721.7	4.7	264.1
9/2/2017 4:00	10987.2	85,674.8	85.7	4,753.9	4.8	266.6
9/2/2017 6:00	11220	86,458.5	86.5	4,783.8	4.8	268.9

Tl(ppm)	stdev (Tl)	U(ppm)	stdev (U)	V(ppm)	stdev (V)	Zn ICPMS (ppm)	stdev (Zn)
0		0		0		0	
0.000301	6.51E-06	0		0.001051	3.83E-05	0.027628	0.000589743
0		0		0		0	
0		0		0		0	
0		0		0		0	
0		0		0		0	
0.001541	0.001467	0		0		0	
0		0		0.000687	4.63E-05	0	
0		0		0.000691	4.92E-05	0	
0		0		0.000627	2.54E-05	0	
0		0		0.00064	2.37E-05	0	
0		0		0.000662	3.83E-05	0	
0		0		0.000636	2.88E-05	0	
0		0		0.000599	3.16E-05	0	
0		0		0.000839	4E-05	0.036664	0.000847663
0		0		0.000775	2.69E-05	0.036707	0.001089791
0		0		0.000728	2.79E-05	0.031851	0.000342042
0		0		0.000907	4.8E-05	0.03372	0.000426636
0		0		0.000698	4.06E-05	0.032246	0.001637073
0		0		0.000709	0.000274	0	
0		0		0.000721	0.000112	0	
0		0		0.000527	5.96E-05	0	
0		0		0.000545	2.39E-05	0	
0		0		0.000526	8.59E-06	0	
0		0		0.000558	4.32E-05	0	
0		0		0.000492	5.25E-05	0	
0		0		0.000515	2.61E-05	0	
0		0		0.000487	2.9E-05	0	
0		0		0.00047	1.93E-05	0	
0		0		0.000507	2E-05	0	
0		0		0.000471	1.2E-05	0	
0		0		0.000502	4.92E-06	0	
0		0		0.000468	2.13E-05	0	
0		0		0		0	
0		0		0		0	
0		0		0		0	
0		0		0.000479	3.07E-05	0	
0		0		0.000612	4.95E-05	0.038631	0.001236821
0		0		0.000612	3.01E-05	0.030881	0.000477246
0		0		0.000623	1.42E-05	0.036152	0.000929819
0		0		0.000623	3.11E-05	0.032246	0.00040856

Calculations (below )						
9/2/2017 8:00	11452.8	87,229.6	87.2	4,812.8	4.8	271.3
9/2/2017 10:00	11685.6	87,965.0	88.0	4,840.5	4.8	273.7
9/2/2017 12:00	11918.4	88,715.3	88.7	4,852.1	4.9	275.9
9/2/2017 14:00	12151.2	89,422.9	89.4	4,860.3	4.9	278.0
9/2/2017 16:00	12384	90,121.0	90.1	4,866.3	4.9	280.1
9/2/2017 18:00	12616.8	90,798.6	90.8	4,871.1	4.9	282.1
9/2/2017 20:00	12849.6	91,453.1	91.5	4,875.9	4.9	284.3
9/2/2017 22:00	13082.4	92,088.3	92.1	4,882.9	4.9	286.7
9/3/2017 0:00	13315.2	92,707.7	92.7	4,892.7	4.9	288.8
9/3/2017 2:00	13548	93,313.5	93.3	4,905.0	4.9	290.9
9/3/2017 4:00	13780.8	93,928.4	93.9	4,919.1	4.9	293.0
9/3/2017 6:00	14013.6	94,545.1	94.5	4,934.4	4.9	295.1
9/3/2017 8:00	14246.4	95,128.1	95.1	4,949.8	4.9	297.2
9/3/2017 10:00	14479.2	95,673.4	95.7	4,960.9	5.0	299.2
9/3/2017 12:00	14712	96,262.7	96.3	4,967.6	5.0	301.2
9/3/2017 14:00	14944.8	96,828.1	96.8	4,971.9	5.0	303.1
9/3/2017 16:00	15177.6	97,380.5	97.4	4,975.6	5.0	305.0
9/3/2017 18:00	15410.4	97,921.3	97.9	4,978.8	5.0	306.9
9/3/2017 20:00	15643.2	98,446.9	98.4	4,982.5	5.0	309.1
9/3/2017 22:00	15876	98,927.4	98.9	4,987.2	5.0	311.3
9/4/2017 0:00	16108.8	99,399.6	99.4	4,993.6	5.0	313.5
9/4/2017 2:00	16341.6	99,847.8	99.8	5,001.6	5.0	315.6
9/4/2017 4:00	16574.4	100,292.8	100.3	5,011.3	5.0	317.8
9/4/2017 6:00	16807.2	100,729.5	100.7	5,022.2	5.0	320.0
9/4/2017 8:00	17040	101,146.1	101.1	5,034.1	5.0	322.1
9/4/2017 10:00	17272.8	101,558.1	101.6	5,042.1	5.0	324.1
9/4/2017 12:00	17505.6	101,966.5	102.0	5,046.4	5.0	326.1
9/4/2017 14:00	17738.4	102,376.2	102.4	5,049.8	5.0	328.0
9/4/2017 16:00	17971.2	102,775.0	102.8	5,052.7	5.1	329.9
9/4/2017 18:00	18204	103,175.1	103.2	5,055.0	5.1	331.9
9/4/2017 20:00	18436.8	103,532.8	103.5	5,058.3	5.1	334.0
9/4/2017 22:00	18669.6	103,885.5	103.9	5,062.8	5.1	336.3
9/5/2017 0:00	18902.4	104,233.0	104.2	5,068.8	5.1	338.7
9/5/2017 2:00	19135.2	104,581.1	104.6	5,076.4	5.1	341.1
9/5/2017 4:00	19368	104,936.5	104.9	5,085.5	5.1	343.5
9/5/2017 6:00	19600.8	105,317.2	105.3	5,097.0	5.1	345.9
9/5/2017 8:00	19833.6	105,701.0	105.7	5,108.8	5.1	348.4
9/5/2017 10:00	20066.4	106,053.3	106.1	5,115.8	5.1	350.7
9/5/2017 12:00	20299.2	106,408.9	106.4	5,120.5	5.1	353.1
9/5/2017 14:00	20532	106,754.9	106.8	5,124.2	5.1	355.4
9/5/2017 16:00	20764.8	107,088.5	107.1	5,127.5	5.1	357.6

Tl(ppm)	stdev (Tl)	U(ppm)	stdev (U)	V(ppm)	stdev (V)	Zn ICPMS (ppm)	stdev (Zn)
0		0		0.000615	2.19E-05	0.03477	0.00095972
0		0		0.000631	3.67E-06	0.034121	0.000211753
0		0		0.000621	2.5E-05	0.03366	0.000588617
0		0		0.000531	1.42E-05	0.031346	0.001128753
0		0		0.000568	6.86E-06	0.033334	0.001353606
0.000753	0.000972	0.001415	0.001949	0.00143	0.001082	0.034995	0.000553021
0		0		0.000569	4.11E-05	0.031742	0.001254815
0		0		0.000594	5.17E-05	0.034651	0.001123544
0		0		0.000602	4.28E-05	0.033378	0.000171883
0		0		0		0.02197	0.000586823
0		0		0.000681	1.78E-05	0.044338	0.00080812
0		0		0.000668	4.82E-05	0.04111	0.001482729
0		0		0.000626	1.82E-05	0.045294	0.001582036
0		0		0.000688	4.37E-05	0.0385	0.001022941
0		0		0.000645	2.04E-05	0.039263	0.0013981
0		0		0.000674	1.68E-05	0.04313	0.001877812
0		0		0.000653	5.82E-06	0	
0		0		0.000568	2.69E-05	0.036811	0.000956596
0		0		0.000556	9.13E-06	0.035235	0.001761331
0		0		0		0	
0		0		0.000688	5.2E-05	0	
0		0		0.00072	4.04E-05	0	
0		0		0.000723	3.21E-05	0	
0		0		0.000696	3.01E-05	0	
0		0		0.000641	5.07E-05	0	
0		0		0.000671	6.68E-05	0	
0		0		0.00062	3.08E-05	0	
0		0		0.00064	1.64E-05	0	
0		0		0.00062	2.94E-05	0	
0		0		0.000656	7.17E-06	0	
0		0		0.000689	2.3E-05	0	
0		0		0.000613	9.78E-06	0	
0		0		0.000567	1.31E-05	0	
0.0005		0		0.00142			
0		0		0.000765	5.07E-05	0	
0		0		0.000687	1.81E-05	0	
0		0		0.000449	4.3E-05	0	
0		0		0			
0		0		0.00069	3.64E-05	0	
0		0		0.001004			
0		0		0.000435			

Calculations (below)						
9/5/2017 18:00	20997.6	107,413.3	107.4	5,130.5	5.1	359.9
9/5/2017 20:00						
9/5/2017 22:00	21463.2	108,011.2	108.0	5,139.7	5.1	365.0
9/6/2017 0:00	21696	108,303.1	108.3	5,147.0	5.1	367.6
9/6/2017 2:00	21928.8	108,589.0	108.6	5,156.8	5.2	370.2
9/6/2017 4:00	22161.6	108,864.1	108.9	5,169.0	5.2	372.8
9/6/2017 6:00	22394.4	109,133.6	109.1	5,180.7	5.2	375.4
9/6/2017 8:00	22627.2	109,401.5	109.4	5,191.0	5.2	378.0
9/6/2017 10:00	22860	109,707.7	109.7	5,199.5	5.2	380.7
9/6/2017 12:00	23092.8	109,977.6	110.0	5,207.0	5.2	383.3
9/6/2017 14:00	23325.6	110,268.4	110.3	5,212.6	5.2	386.2
9/6/2017 16:00	23558.4	110,480.1	110.5	5,215.9	5.2	388.5
9/6/2017 18:00	23791.2	110,686.0	110.7	5,219.0	5.2	391.0
9/6/2017 20:00	24024	110,911.2	110.9	5,223.0	5.2	393.8
9/6/2017 22:00	24256.8	111,129.3	111.1	5,228.2	5.2	396.5
9/7/2017 0:00	24489.6	111,349.8	111.3	5,235.6	5.2	399.4
9/7/2017 2:00	24722.4	111,560.5	111.6	5,244.1	5.2	402.2
9/7/2017 4:00	24955.2	111,763.4	111.8	5,254.4	5.3	405.0
9/7/2017 6:00	25188	111,966.4	112.0	5,266.0	5.3	407.9
9/7/2017 8:00	25420.8	112,179.8	112.2	5,279.6	5.3	410.9
9/7/2017 10:00	25653.6	112,407.5	112.4	5,291.1	5.3	413.8
9/7/2017 12:00	25886.4	112,636.5	112.6	5,297.2	5.3	416.6
9/7/2017 14:00	26119.2	112,858.9	112.9	5,300.9	5.3	419.4
9/7/2017 16:00	26352	113,078.7	113.1	5,305.8	5.3	422.6
9/7/2017 18:00	26584.8	113,292.4	113.3	5,312.8	5.3	425.7
9/7/2017 20:00	26817.6	113,507.5	113.5	5,321.4	5.3	428.9
9/7/2017 22:00	27050.4	113,712.0	113.7	5,331.6	5.3	432.0
9/8/2017 0:00	27283.2	113,918.4	113.9	5,343.7	5.3	435.3
9/8/2017 4:00	27748.8	114,293.8	114.3	5,376.0	5.4	396.5
9/8/2017 6:00	27981.6	114,480.0	114.5	5,392.8	5.4	399.9
9/8/2017 8:00	28214.4	114,695.3	114.7	5,409.4	5.4	403.3
9/8/2017 10:00	28447.2	114,911.4	114.9	5,422.4	5.4	406.5
9/8/2017 16:20	29184.4	115,498.5	115.5	5,462.4	5.5	416.4
9/8/2017 16:30						
9/9/2017 6:45	30862.5	116,755.2	116.8	5,633.0	5.6	440.0
9/9/2017 18:25	32220.5	117,731.6	117.7	5,641.9	5.6	455.3
9/10/2017 13:25	34432.1	119,125.6	119.1	5,811.6	5.8	486.3
9/10/2017 13:30						
9/11/2017 10:51	36926.94	120,531.2	120.5	5,866.7	5.9	520.0
9/11/2017 11:50						
9/11/2017 11:50						



Tl(ppm)	stdev (Tl)	U(ppm)	stdev (U)	V(ppm)	stdev (V)	Zn ICPMS (ppm)	stdev (Zn)
0		0		0.000719	3.69E-05	0	
0		0		0.000726	8.91E-06	0	
0		0		0.000759	1.43E-05	0	
0		0		0.000773	1.53E-05	0	
0		0		0.000756	6.08E-05	0	
0		0		0.000752	4.21E-05	0.034493	0.000560862
0		0		0.000801	6.99E-05	0	
0		0		0.000754	6.37E-05	0	
0		0		0.0008	6.87E-05	0	
0		0		0.000585	1.92E-05	0	
0.001374	0.00205	0.001439	0.001983	0.001599	0.00092	0.050534	0.002342353
0		0		0.000874	7.94E-05	0	
0		0		0.000862	3.22E-05	0	
0		0		0.000867	3.23E-05	0	
0		0		0.000773	3.83E-05	0	
0		0		0.000622			
0		0		0.000885	2.46E-05	0	
0		0		0.001113	3.93E-06	0.023659	0.00015782
0		0		0.001146	0.00015	0	
0		0		0.000531	4.88E-05	0	
0		0		0.000624	9.96E-05	0	
0		0		0.000639	2.7E-05	0	
0		0		0.000556	5.67E-05	0	
0		0		0.000709	2.97E-05	0	
0		0		0.000667			
0		0		0.00074	3.71E-05	0.025667	5.32714E-05
0		0		0.000564	2.98E-05	0.036667	0.000732785
0		0		0.000615	3.69E-05	0	
0		0		0.00057	3.9E-05	0	
0		0		0.000573	2.43E-05	0	
0		0		0.00048	4.53E-05	0	
0		0		0.000606	4.32E-05	0	
0		0		0.000591	4.04E-05	0	
0		0		0.000412	4.44E-05	0	
0		0		0.000865	2.83E-05	0	
0		0		0.000905	2.43E-05	0	
0		0		0.000873	5E-05	0	
0		0		0.000947	4.36E-05	0	
0		0		0.000925	4.3E-05	0	
0		0		0.000903	2.65E-05	0	
0.000319	0.000175	0		0.001243	0.00012	0.037307	0.000221708

Calculations (below )						
9/11/2017 16:00	37526.4	120,860.0	120.9	5,909.7	5.9	528.7
9/12/2017 11:00	39738	122,061.6	122.1	5,979.9	6.0	561.6
9/12/2017 16:00	40320	122,396.9	122.4	6,007.4	6.0	568.8
9/13/2017 9:55	42405.5	123,454.9	123.5	6,158.3	6.2	598.2
9/13/2017 16:00	43113.6	123,783.8	123.8	6,206.6	6.2	607.8
9/14/2017 10:15	45237.9	124,713.4	124.7	6,291.2	6.3	638.2
9/14/2017 15:55	45897.5	125,019.3	125.0	6,297.3	6.3	648.5
9/15/2017 9:30	47944.2	125,720.5	125.7	6,402.6	6.4	677.4
9/15/2017 14:40	48545.6	125,920.6	125.9	6,449.1	6.4	686.1
9/16/2017 9:50	50776.6	126,701.0	126.7	6,579.4	6.6	722.0
9/17/2017 14:10	54074.6	127,652.0	127.7	6,758.4	6.8	779.1
9/18/2017 10:45	56470.5	128,281.3	128.3	6,875.7	6.9	821.1
9/18/2017 16:00	57081.6	128,440.6	128.4	6,935.3	6.9	830.7
9/19/2017 0:00	58012.8	128,667.9	128.7	7,026.6	7.0	845.5
9/19/2017 8:00	58944	128,887.7	128.9	7,117.8	7.1	860.5
9/19/2017 10:10						
9/19/2017 16:00	59875.2	129,106.2	129.1	7,216.1	7.2	877.9
9/20/2017 0:00	60806.4	129,317.5	129.3	7,312.1	7.3	895.1
9/20/2017 8:00	61737.6	129,524.0	129.5	7,409.6	7.4	912.4
9/20/2017 16:00	62668.8	129,697.7	129.7	7,502.7	7.5	928.9
9/21/2017 0:00	63600	129,878.5	129.9	7,597.3	7.6	945.9
9/21/2017 8:00	64531.2	130,058.4	130.1	7,692.8	7.7	963.1
9/21/2017 16:00	65462.4	130,234.2	130.2	7,782.3	7.8	979.6
9/22/2017 9:00	65578.8	130,256.1	130.3	7,793.6	7.8	981.6
9/22/2017 9:45						
9/22/2017 15:00	66277.2	130,408.7	130.4	7,808.3	7.8	991.5
9/22/2017 16:00	66393.6	130,428.8	130.4	7,819.0	7.8	993.4
9/25/2017 9:00	66510	130,478.1	130.5	7,829.7	7.8	995.2
9/25/2017 16:00	67324.8	130,640.8	130.6	7,906.8	7.9	1,008.7
9/26/2017 9:20	67476.12	130,687.6	130.7	7,920.0	7.9	1,011.0
9/26/2017 16:00	68252.12	130,831.8	130.8	7,991.2	8.0	1,023.7
9/27/2017 9:00	68368.52	130,868.4	130.9	8,001.7	8.0	1,025.5
9/28/2017 9:00	69299.72	131,034.5	131.0	8,086.9	8.1	1,040.9
9/28/2017 9:00	69299.72	131,034.5	131.0	8,086.9	8.1	1,040.9
9/28/2017 16:00	70114.52	131,179.5	131.2	8,162.1	8.2	1,054.5
9/29/2017 9:00	70230.92	131,207.9	131.2	8,172.4	8.2	1,056.3
9/29/2017 14:30	70871.12	131,321.3	131.3	8,230.8	8.2	1,066.9
10/2/2017 9:00	70987.52	131,360.5	131.4	8,241.2	8.2	1,068.7
10/3/2017 9:00	71802.32	131,520.9	131.5	8,315.2	8.3	1,082.4
10/3/2017 16:00	72617.12	131,742.4	131.7	8,387.0	8.4	1,095.6
10/3/2017 16:00	72617.12	131,742.4	131.7	8,387.0	8.4	1,095.6

Tl(ppm)	stdev (Tl)	U(ppm)	stdev (U)	V(ppm)	stdev (V)	Zn ICPMS (ppm)	stdev (Zn)
0		0		0.000895	7.32E-05	0	
0		0		0.000915	3.47E-05	0	
0		0		0.000923	1.81E-06	0	
0		0		0.000764			
0		0		0.00076			
0		0		0.001022	7.03E-05	0	
0		0		0.001015	5.7E-05	0	
0		0		0.00097	2.74E-05	0	
0		0		0.000938	5.01E-05	0	
0		0		0.000959	5.64E-05	0	
0		0		0.001015	2.03E-05	0.073036	0.001413548
0		0		0.000805	3.86E-05	0.026204	0.001284143
0		0		0.000846	7.22E-05	0.031947	0.000123925
0		0		0.000665	5.57E-05	0.026367	0.000523884
0		0		0.000635	3.42E-05	0.034517	0.001617631
0		0		0.000607	2.79E-05	0	
0		0		0.000612	6.55E-06	0	
0		0		0.000713	7.25E-05	0.051968	0.002949886
0		0.000426	3.08E-05	0.00135	7.1E-05	0	
0		0.000688	3.65E-05	0.001842	8.72E-05	0	
0.001444	0.000764	0.002861	0.000697	0.004794	0.000641	0.032524	0.001868228
0		0.000946	2.28E-05	0.002106	2.34E-05	0.025596	0.001124468
0		0.000782	9.9E-06	0.001519	0.000123	0.028061	0.000981837
0		0.000713	1.57E-05	0.001805	7.74E-05	0.05604	0.001642868
0		0.000796	1.05E-05	0.001716	2.51E-05	0.046659	0.001235947
0		0.000739	3.4E-05	0.001859	4.98E-05	0.059225	0.001733474
0		0.000689	4.24E-05	0.001654	3.67E-05	0.041325	0.002527842
0		0.000429	1.12E-05	0.001577	3.8E-05	0.065658	0.002032777
0		0.000498	8.14E-06	0.001674	7.73E-05	0.039521	0.001239055
0		0.000413	1.3E-05	0.001648	9.55E-05	0.052413	0.000449036
0		0.000469	1.75E-05	0.001504	7.28E-05	0.147029	0.004562984
0		0		0.001547	8.48E-06	0.061734	0.00389958
0		0		0.001485	3.73E-05	0.07213	0.001793319
0		0		0.001188	8.91E-05	0.08876	0.002108929
0		0		0.001596	7.69E-05	0.025273	0.000510621
0		0		0.001612	2.89E-05	0.045672	0.0005777
0		0		0.001106	7.27E-05	0.058134	0.001811432
0		0		0.001226	2.3E-05	0.096771	0.00193424
0		0		0.001191	3.04E-05	0.043894	0.000896674
0		0.000461	1.01E-05	0.00151	8.3E-05	0.057205	0.00196649
0		0		0.001031	3.89E-05	0.072774	0.000509832

Calculations (below)						
10/3/2017 16:00	72617.12	131,742.4	131.7	8,387.0	8.4	1,095.6
10/4/2017 16:00	73548.32	131,911.2	131.9	8,470.5	8.5	1,110.9
10/5/2017 9:00	73664.72	131,932.3	131.9	8,481.0	8.5	1,112.9
10/5/2017 10:00						
10/5/2017 10:00						
10/10/2017 9:45	73781.12	131,942.5	131.9	8,488.2	8.5	1,114.6
10/10/2017 16:00	74508.62	132,125.6	132.1	8,551.5	8.6	1,126.1
10/11/2017 9:00	74625.02	132,153.8	132.2	8,561.4	8.6	1,127.9
10/11/2017 16:00	75439.82	132,333.6	132.3	8,636.1	8.6	1,141.4
10/12/2017 9:00	75556.22	132,362.7	132.4	8,646.0	8.6	1,143.3
10/12/2017 16:00	76371.02	132,534.5	132.5	8,725.1	8.7	1,156.8
10/13/2017 14:45	76487.42	132,559.4	132.6	8,726.7	8.7	1,158.8
10/16/2017 11:35	76517.42	132,566.7	132.6	8,726.7	8.7	1,159.2
10/17/2017 9:30	76547.42	132,575.8	132.6	8,726.7	8.7	1,159.7
10/18/2017 9:55	76577.42	132,582.9	132.6	8,726.7	8.7	1,160.1
10/19/2017 10:20	76607.42	132,590.1	132.6	8,726.7	8.7	1,160.4
10/20/2017 9:45	76637.42	132,598.2	132.6	8,726.7	8.7	1,160.5
10/23/2017 10:00	76667.42	132,605.4	132.6	8,726.8	8.7	1,160.8
10/24/2017 10:15						
10/25/2017 10:40						
10/26/2017 10:42						
10/27/2017 10:20						
10/30/2017 10:32						
10/31/2017 10:15						
11/1/2017 10:10						
11/2/2017 10:40						
11/3/2017 10:20						
11/6/2017 9:40						
11/7/2017 9:50						
11/8/2017 10:45						
11/9/2017 8:55						
11/13/2017 10:00						
11/14/2017 10:10						
11/15/2017 10:35						
11/16/2017 9:40						
11/17/2017 10:40						
11/20/2017 11:40						
11/21/2017 10:45						
11/22/2017 9:55						
11/27/2017 13:30						
11/28/2017 10:35						

Tl(ppm)	stddev (Tl)	U(ppm)	stddev (U)	V(ppm)	stddev (V)	Zn ICPMS (ppm)	stddev (Zn)
0		0		0.00113	2.84E-05	0.055833	0.001716692
0		0		0.001043	8.36E-05	0.051071	0.000783454
0		0		0.001176	6.33E-05	0.033552	0.000333311
0		0		0.001316	3.07E-05	0.027245	0.00108441
0		0		0.001295	8.73E-05	0.028734	0.000440996
0		0		0.001547	4.73E-05	0.021376	0.000729494
0		0		0.001369	2.65E-05	0	
0	0.000427	1.76E-05		0.001833	2.89E-05	0	
0		0		0.001796	4.09E-05	0	
0		0		0.002768	0.000108	0	
0.000962	0.000659	0.001636	0.000617	0.004019	0.000551	0	
0		0		0.002661	6.71E-05	0	
0		0		0.002423	0.000109	0	
0	0.000549	7.49E-06		0.002028	4.94E-05	0	
0	0.000448	2.66E-05		0.002048	8.83E-05	0.029555	0.000754507
0		0		0.002062	7.69E-05	0.051257	0.001487073
0		0		0.001906	8.62E-05	0.053136	0.000225655
0.000452	0.000356	0.001093	0.000566	0.00215	0.00046	0.038734	0.000910451
0		0.000903	0.001125	0.001304	4.96E-05	0.027424	0.001240487
0		0		0.001225	5.82E-05	0.035009	0.000433653
0		0		0.000552	6.46E-05	0.03287	0.000408969
0		0		0.000891	8.1E-05	0	
0		0		0.000699	6.81E-05	0	
0		0		0.000495	2.24E-05	0	
0		0		0.001239	5.88E-05	0	
0		0		0.00146	2.3E-05	0.02386	0.000511062
0		0		0.001208	4.73E-05	0.024588	0.000423846
0		0		0.00102	9.6E-05	0	
0		0		0.001192	1.06E-05	0	
0		0		0.00115	0.000158	0.047821	0.003086687
0		0		0.001251	4.23E-05	0	
0		0		0.001217	2.97E-05	0	
0		0		0.001226	4.61E-05	0	
0		0		0.001255	4.27E-05	0	
0		0		0.001353	0.000143	0	
0		0		0.001477	4.29E-05	0	
0		0		0.001271	7.04E-05	0	
0		0		0.00092	8.88E-06	0	
0		0		0.001913			
0		0		0.001824			
0		0		0.001934			

Calculations ( <i>below</i> )						
11/30/2017 10:40						
12/4/2017 14:15						
12/8/2017 14:10						
12/11/2017 13:40						
12/14/2017 14:00						
12/18/2017 14:40						
12/21/2017 13:50						
1/5/2018 12:00						
1/8/2018 14:00						
1/11/2018 13:10						
1/18/2018 11:25						
1/18/2018 15:10						
1/19/2018 11:10						
1/22/2018 14:48						
1/25/2018 14:25						
1/30/2018 14:30						
2/1/2018 14:29						
2/6/2018 14:30						
2/8/2018 14:15						
2/13/2018 11:43						
2/15/2018 11:15						
2/20/2018 11:50						
2/27/2018 10:45						
3/1/2018 10:40						
3/6/2018 11:10						
3/8/2018 10:54						
3/13/2018 10:47						
3/15/2018 10:50						
3/20/2018 11:10						
3/22/2018 9:35						
3/27/2018 9:45						
3/29/2018 9:40						
4/3/2018 9:35						
4/5/2018 9:30						
4/10/2018 9:50						
4/12/2018 9:20						
4/17/2018 9:54						
4/19/2018 9:27						
6/13/2018 11:26						
6/15/2018 10:33						
6/18/2018 11:29						



Tl(ppm)	stdev (Tl)	U(ppm)	stdev (U)	V(ppm)	stdev (V)	Zn ICPMS (ppm)	stdev (Zn)
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Calculations ( <i>below</i> )
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*below*

*below*

*below*

*below*

*below*

*below*

*below*

ped (kg)	Na % Recovery
-	0.0%
0.0	0.8%
0.0	1.7%
0.0	2.8%
0.0	3.9%
0.0	6.0%
0.0	6.9%
0.0	7.7%
0.0	8.6%
0.0	9.5%
0.1	10.3%
0.1	11.2%
0.1	12.0%
0.1	12.9%
0.1	13.6%
0.1	14.5%
0.1	15.2%
0.1	16.0%
0.1	16.7%
0.1	17.4%
0.1	18.1%



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0.1		18.8%
0.1		19.4%
0.1		20.1%
0.1		20.7%
0.1		21.3%
0.1		21.9%
0.1		22.4%
0.1		23.0%
0.2		24.2%
0.2		25.5%
0.2		26.7%
0.2		27.8%
0.2		28.8%
0.2		29.9%
0.2		30.9%
0.2		31.8%
0.2		32.8%
0.2		33.7%
0.2		34.5%
0.2		35.3%
0.2		36.1%
0.2		36.9%
0.2		37.7%
0.2		38.4%
0.2		39.0%
0.2		39.7%
0.2		40.3%
0.2		40.9%
0.2		41.5%
0.2		42.0%
0.2		42.5%
0.2		43.1%
0.2		43.6%
0.3		44.1%
0.3		44.6%
0.3		45.1%
0.3		45.6%
0.3		46.0%
0.3		46.5%
0.3		46.9%
0.3		47.4%

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0.3		47.8%
0.3		48.2%
0.3		48.6%
0.3		49.0%
0.3		49.4%
0.3		49.8%
0.3		50.1%
0.3		50.5%
0.3		50.8%
0.3		51.1%
0.3		51.5%
0.3		51.8%
0.3		52.1%
0.3		52.4%
0.3		52.7%
0.3		53.1%
0.3		53.4%
0.3		53.7%
0.3		53.9%
0.3		54.2%
0.3		54.5%
0.3		54.7%
0.3		55.0%
0.3		55.2%
0.3		55.4%
0.3		55.6%
0.3		55.9%
0.3		56.1%
0.3		56.3%
0.3		56.5%
0.3		56.7%
0.3		56.9%
0.3		57.1%
0.3		57.3%
0.3		57.5%
0.3		57.7%
0.3		57.9%
0.4		58.1%
0.4		58.3%
0.4		58.5%
0.4		58.7%

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0.4		58.9%
0.4		59.2%
0.4		59.3%
0.4		59.5%
0.4		59.6%
0.4		59.8%
0.4		59.9%
0.4		60.1%
0.4		60.3%
0.4		60.4%
0.4		60.5%
0.4		60.6%
0.4		60.8%
0.4		60.9%
0.4		61.0%
0.4		61.1%
0.4		61.2%
0.4		61.3%
0.4		61.5%
0.4		61.6%
0.4		61.7%
0.4		61.8%
0.4		62.0%
0.4		62.1%
0.4		62.2%
0.4		62.3%
0.4		62.4%
0.4		62.6%
0.4		62.7%
0.4		62.8%
0.4		63.0%
0.4		63.3%
0.4		64.0%
0.5		64.5%
0.5		65.3%
0.5		66.0%

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0.5		66.2%
0.6		66.9%
0.6		67.1%
0.6		67.6%
0.6		67.8%
0.6		68.3%
0.6		68.5%
0.7		68.9%
0.7		69.0%
0.7		69.4%
0.8		69.9%
0.8		70.3%
0.8		70.4%
0.8		70.5%
0.9		70.6%
0.9		70.7%
0.9		70.9%
0.9		71.0%
0.9		71.1%
0.9		71.2%
1.0		71.3%
1.0		71.4%
1.0		71.4%
1.0		71.5%
1.0		71.5%
1.0		71.5%
1.0		71.6%
1.0		71.6%
1.0		71.7%
1.0		71.7%
1.0		71.8%
1.0		71.8%
1.1		71.9%
1.1		71.9%
1.1		72.0%
1.1		72.0%
1.1		72.1%
1.1		72.2%
1.1		72.2%

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1.1		72.2%
1.1		72.3%
1.1		72.3%
1.1		72.3%
1.1		72.4%
1.1		72.4%
1.1		72.5%
1.1		72.5%
1.2		72.6%
1.2		72.6%
1.2		72.6%
1.2		72.6%
1.2		72.6%
1.2		72.6%
1.2		72.7%
1.2		72.7%





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