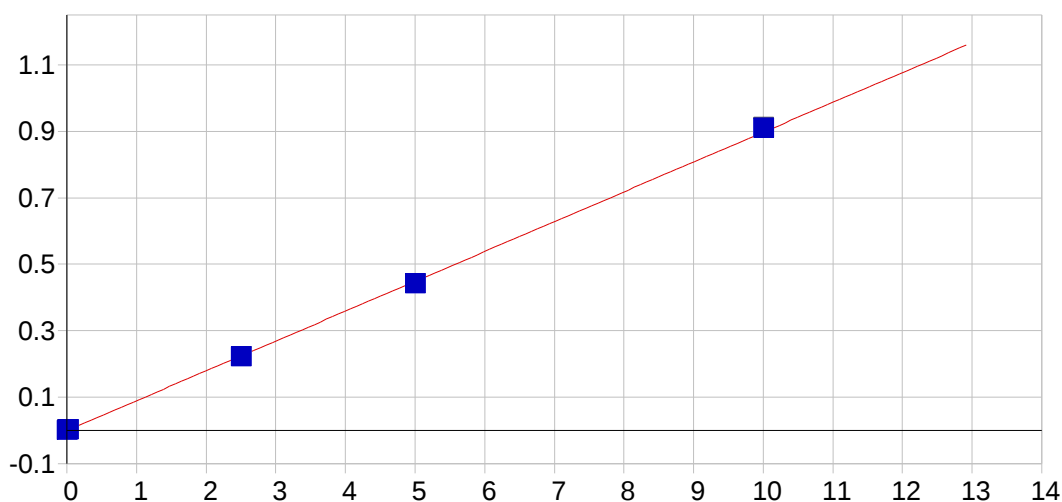


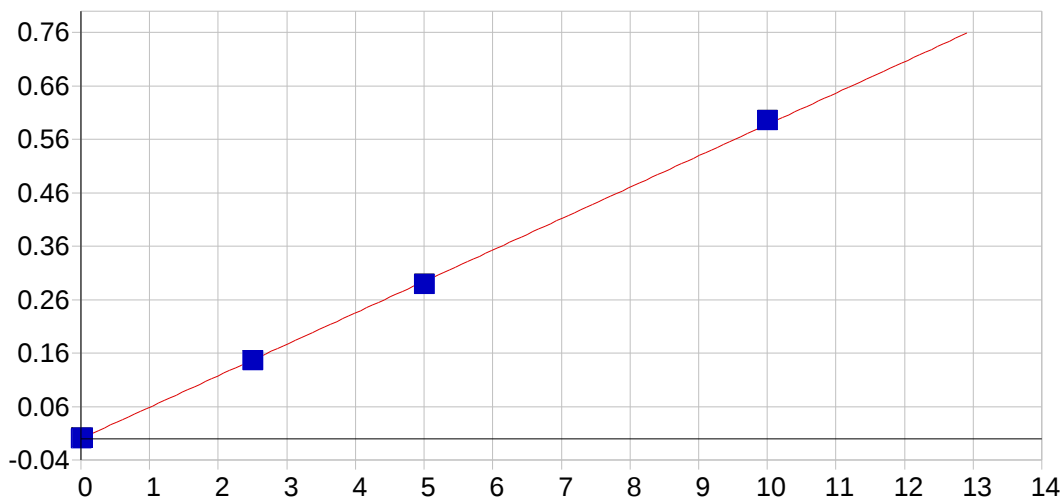


As 189.042 {478}

Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000151 Re-Slope: 1.000000
 A1 (Gain): 0.089750 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999891 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 0.002809
 Predicted MQL: 0.009364

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00015	.000	1
S1	.02000	.01794	-.002	-10.3	.00146	.000	1
S3	2.5000	2.4641	-.036	-1.44	.22098	.001	1
S4	5.0000	4.9125	-.088	-1.75	.44071	.001	1
S5	10.000	10.126	.126	1.26	.90855	.002	1

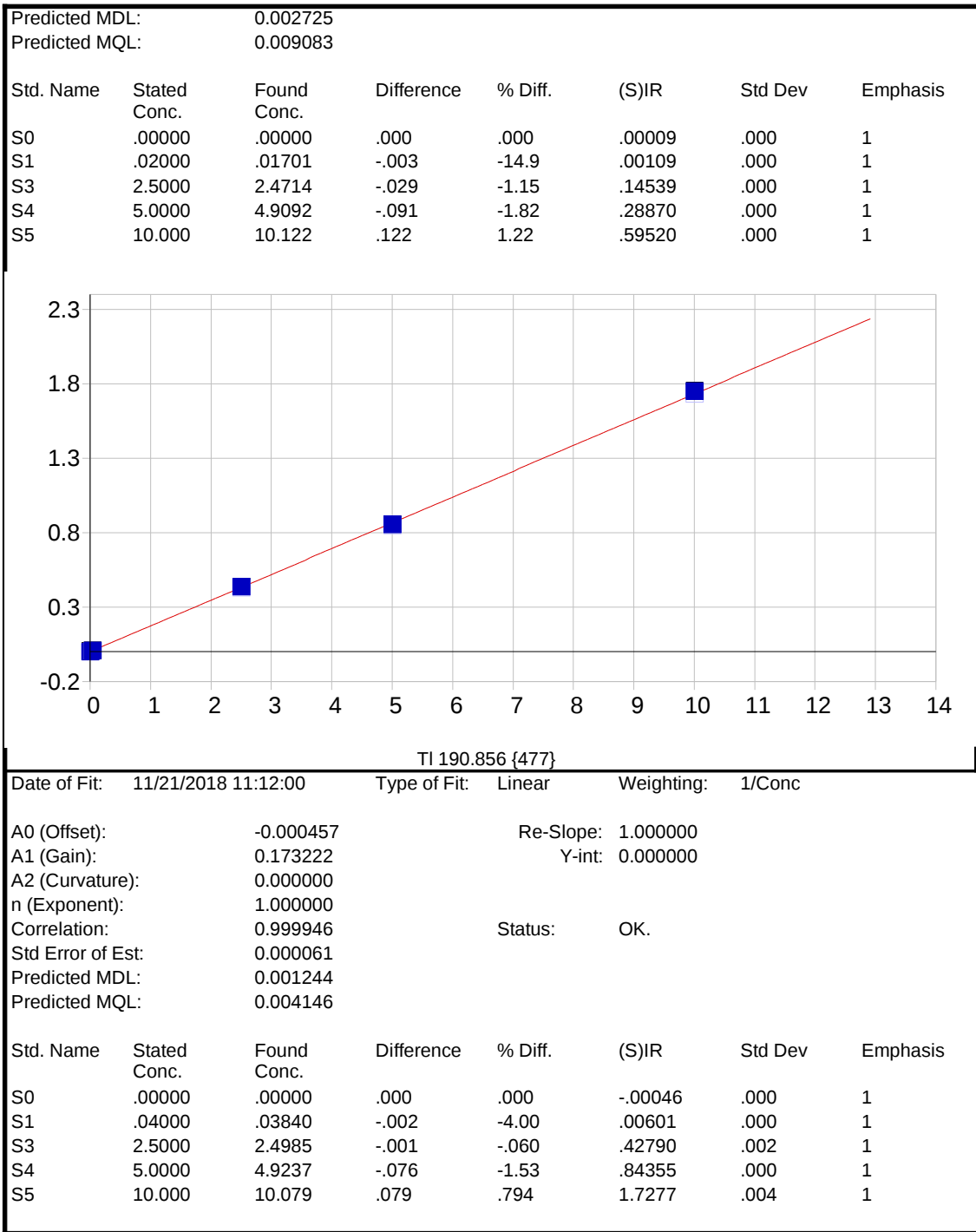


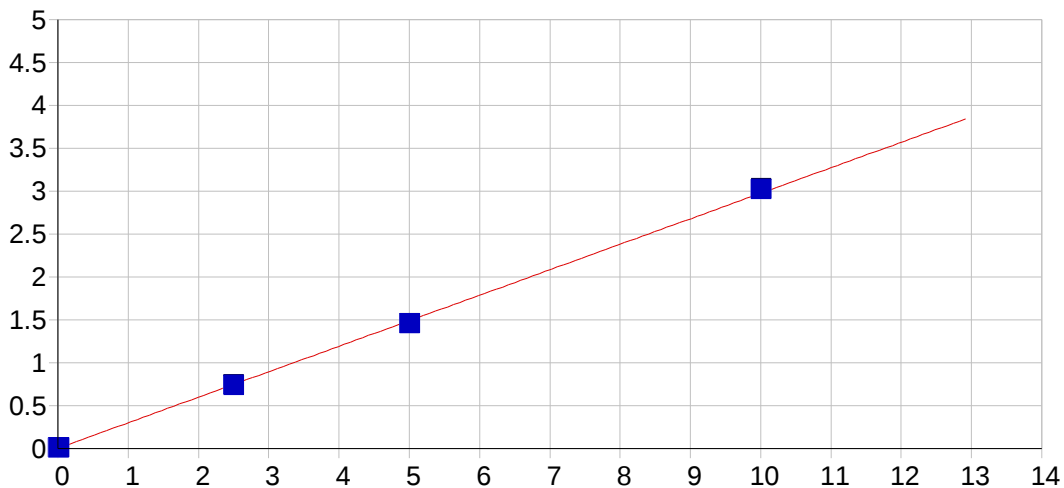
As 189.042 {479}

Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000092 Re-Slope: 1.000000
 A1 (Gain): 0.058790 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999888 Status: OK.
 Std Error of Est: 0.000021





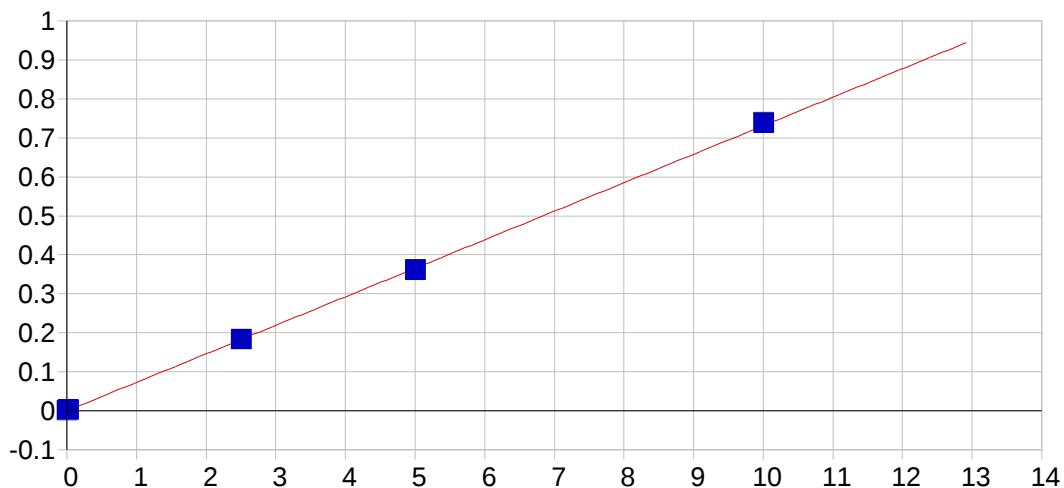


Pb 220.353 {453}

Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003775 Re-Slope: 1.000000
 A1 (Gain): 0.297224 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999837 Status: OK.
 Std Error of Est: 0.000100
 Predicted MDL: 0.001119
 Predicted MQL: 0.003729

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00378	.000	1
S1	.01200	.00996	-.002	-17.0	.00667	.000	1
S3	2.5000	2.4612	-.039	-1.55	.73434	.001	1
S4	5.0000	4.8891	-.111	-2.22	1.4550	.002	1
S5	10.000	10.152	.152	1.52	3.0172	.005	1



Se 196.090 {472}

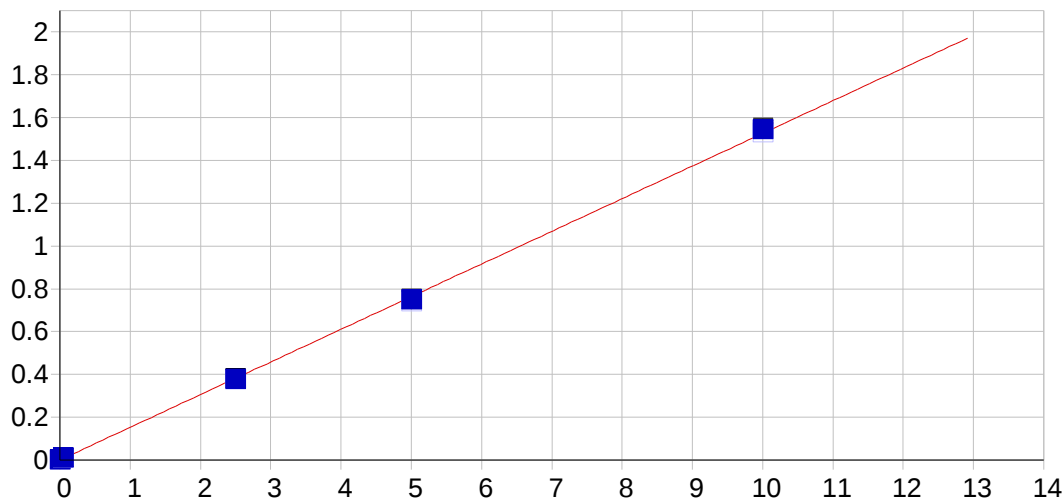
Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000113 Re-Slope: 1.000000
 A1 (Gain): 0.073133 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999936 Status: OK.
 Std Error of Est: 0.000020
 Predicted MDL: 0.003167



Predicted MQL: 0.010557

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00011	.000	1
S1	.02000	.01701	-.003	-15.0	.00113	.000	1
S3	2.5000	2.4934	-.007	-.266	.18221	.000	1
S4	5.0000	4.9265	-.073	-1.47	.36013	.001	1
S5	10.000	10.083	.083	.831	.73721	.002	1

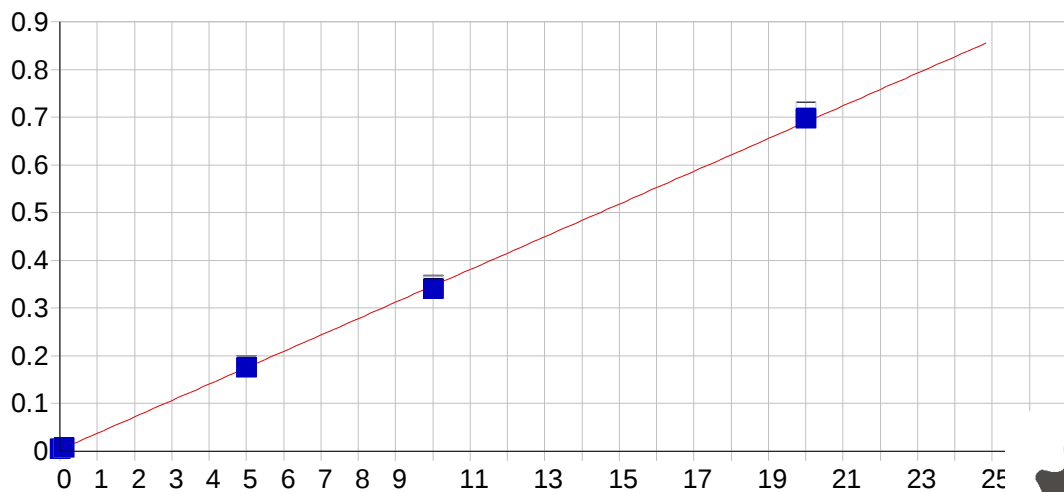


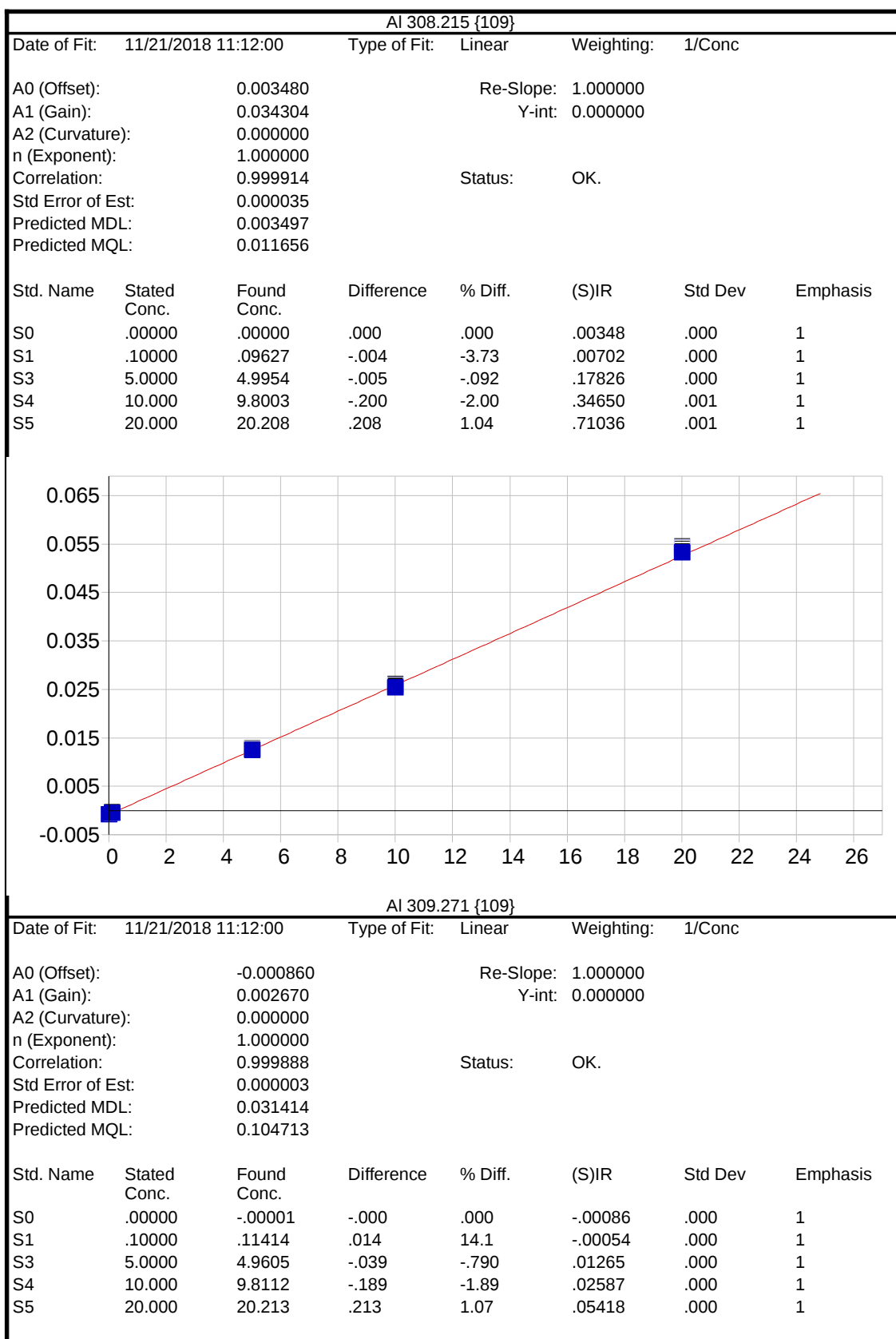
Sb 206.833 {463}

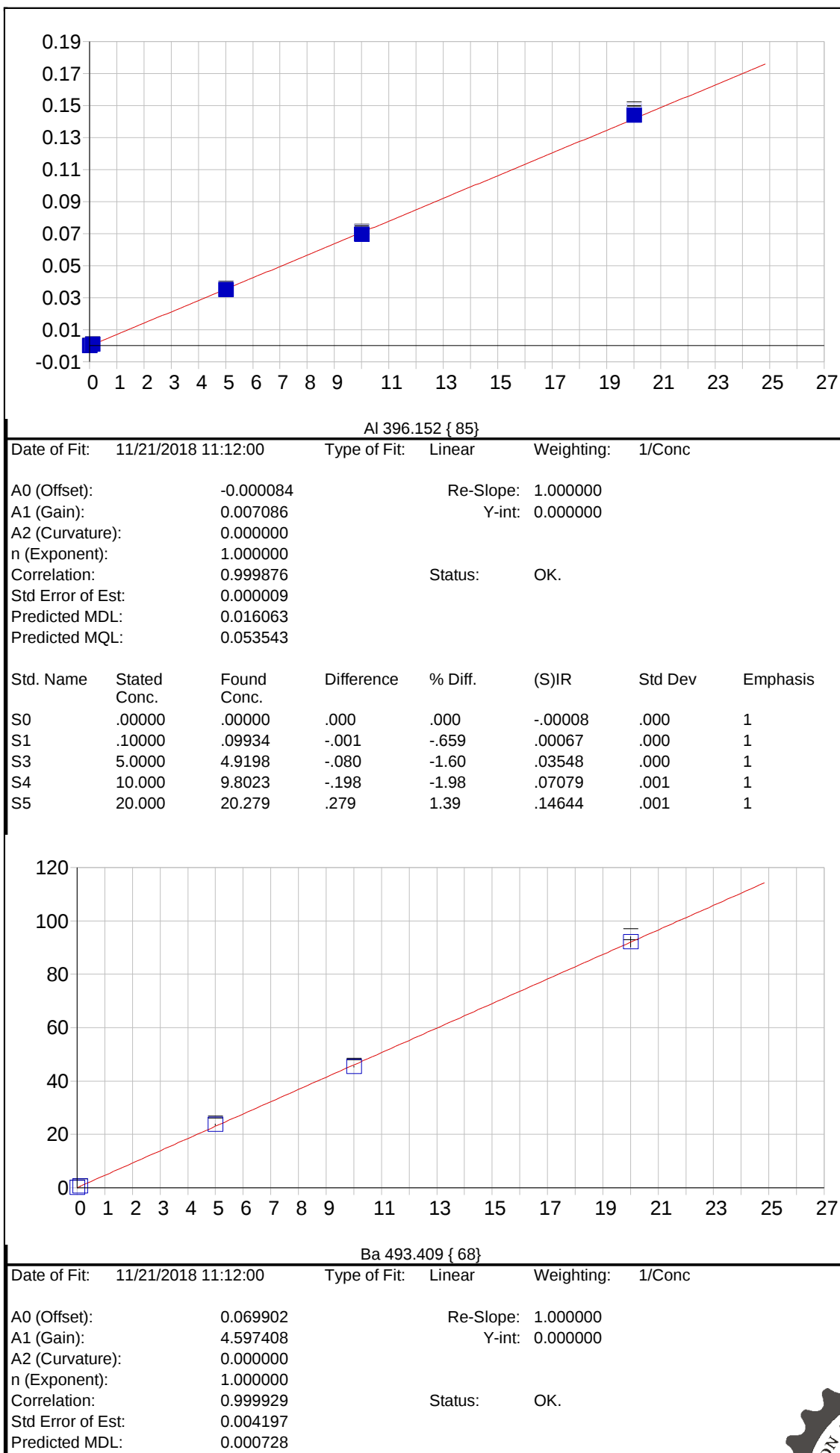
Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000474 Re-Slope: 1.000000
A1 (Gain): 0.152602 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999894 Status: OK.
Std Error of Est: 0.000084
Predicted MDL: 0.001845
Predicted MQL: 0.006151

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00047	.000	1
S1	.05000	.04760	-.002	-4.79	.00755	.000	1
S3	2.5000	2.4762	-.024	-.954	.37405	.001	1
S4	5.0000	4.9047	-.095	-1.91	.74037	.001	1
S5	10.000	10.121	.121	1.21	1.5279	.004	1

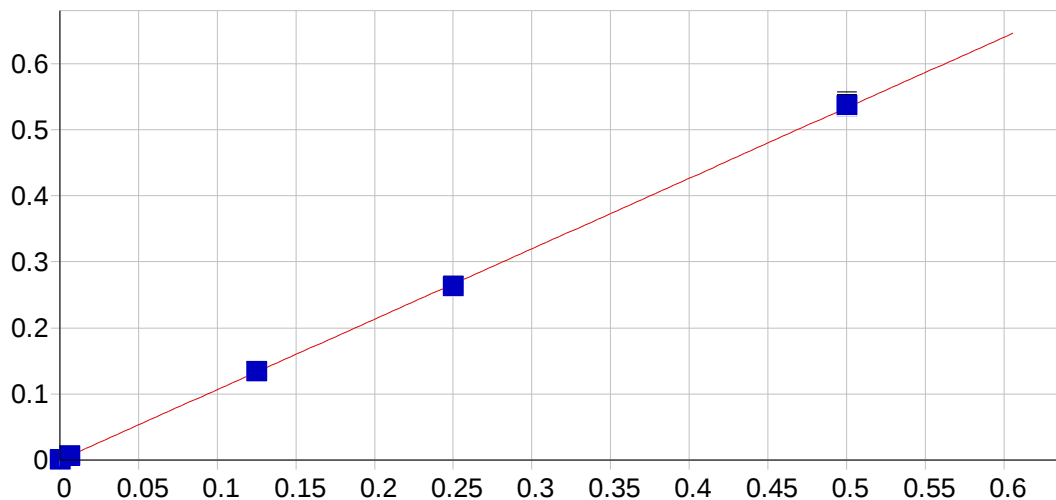






Predicted MQL: 0.002426

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.06989	.000	1
S1	.10000	.10243	.002	2.43	.54082	.021	1
S3	5.0000	5.1211	.121	2.42	23.614	.414	1
S5	20.000	20.018	.018	.090	92.100	2.09	1
S4	10.000	9.8586	-.141	-1.41	45.394	.228	1

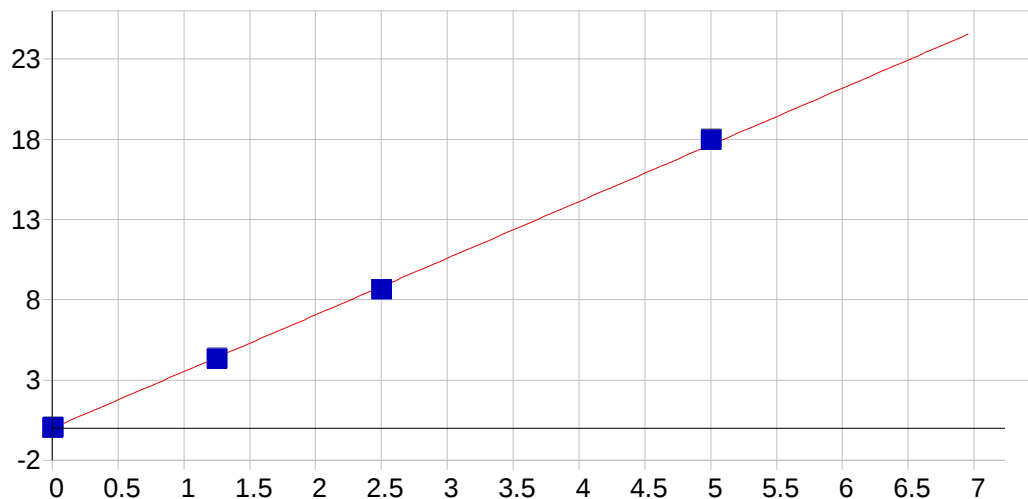


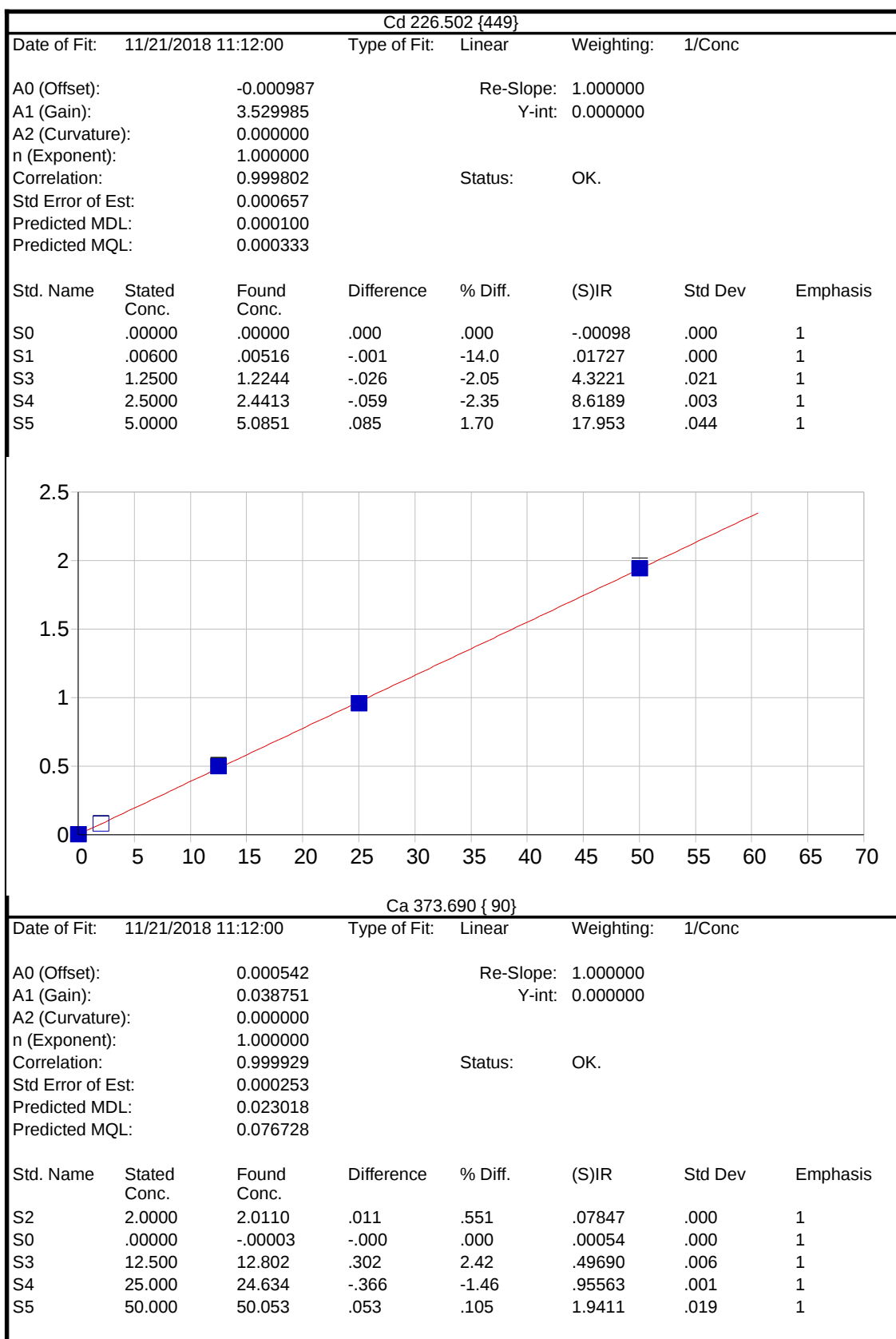
Be 234.861 {144}

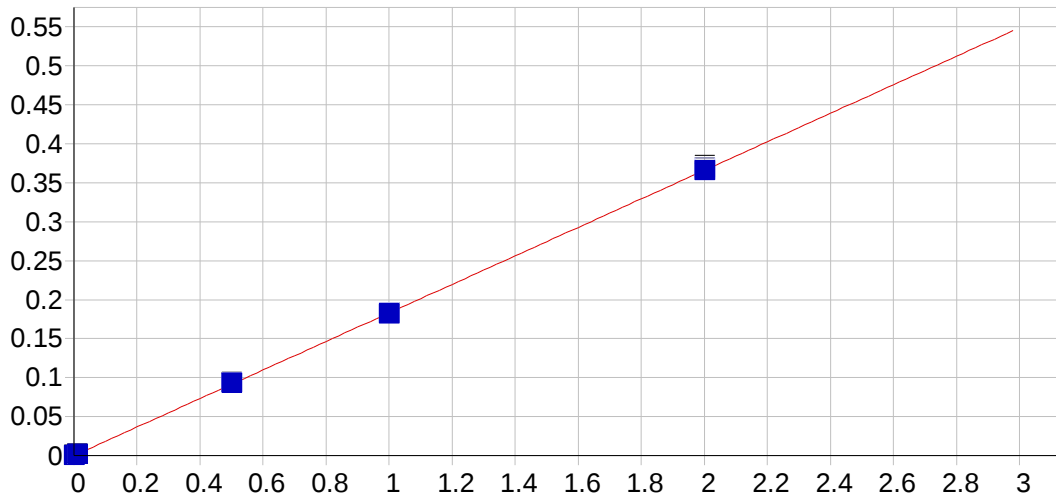
Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000067 Re-Slope: 1.000000
A1 (Gain): 1.065648 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999925 Status: OK.
Std Error of Est: 0.000038
Predicted MDL: 0.000072
Predicted MQL: 0.000240

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00007	.000	1
S1	.00600	.00545	-.001	-9.25	.00580	.000	1
S3	.12500	.12509	.000	.070	.13253	.000	1
S4	.25000	.24654	-.003	-1.38	.26111	.000	1
S5	.50000	.50393	.004	.785	.53372	.004	1





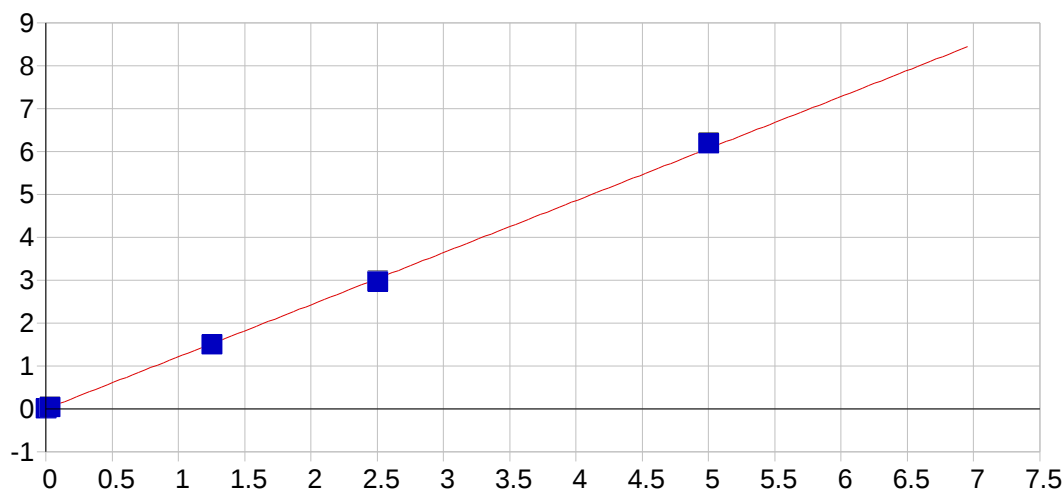


Cr 267.716 {126}

Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000028 Re-Slope: 1.000000
 A1 (Gain): 0.182975 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999968 Status: OK.
 Std Error of Est: 0.000011
 Predicted MDL: 0.000526
 Predicted MQL: 0.001753

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00003	.000	1
S1	.01000	.00984	-.000	-1.65	.00184	.000	1
S3	.50000	.50898	.009	1.80	.09384	.000	1
S4	1.0000	.99179	-.008	-.821	.18287	.000	1
S5	2.0000	1.9994	-.001	-.030	.36860	.003	1



Co 228.616 {447}

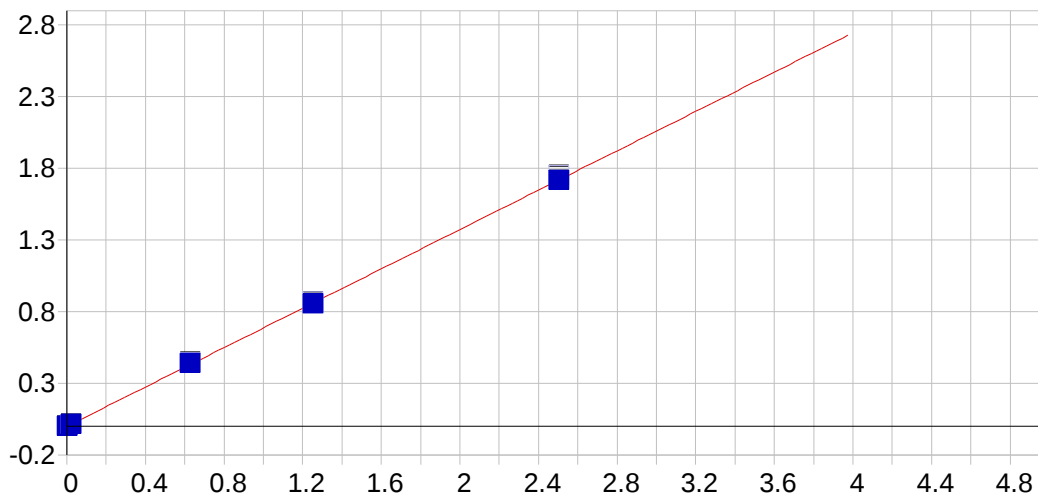
Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000001 Re-Slope: 1.000000
 A1 (Gain): 1.214039 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999807 Status: OK.
 Std Error of Est: 0.000500
 Predicted MDL: 0.000264



Predicted MQL: 0.000879

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00000	.000	1
S1	.03000	.02869	-.001	-4.36	.03459	.001	1
S3	1.2500	1.2260	-.024	-1.92	1.4897	.005	1
S4	2.5000	2.4401	-.060	-2.40	2.9647	.001	1
S5	5.0000	5.0852	.085	1.70	6.1783	.009	1



Date of Fit: 11/21/2018 11:12:00

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000265

Re-Slope: 1.000000

A1 (Gain): 0.686756

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999955

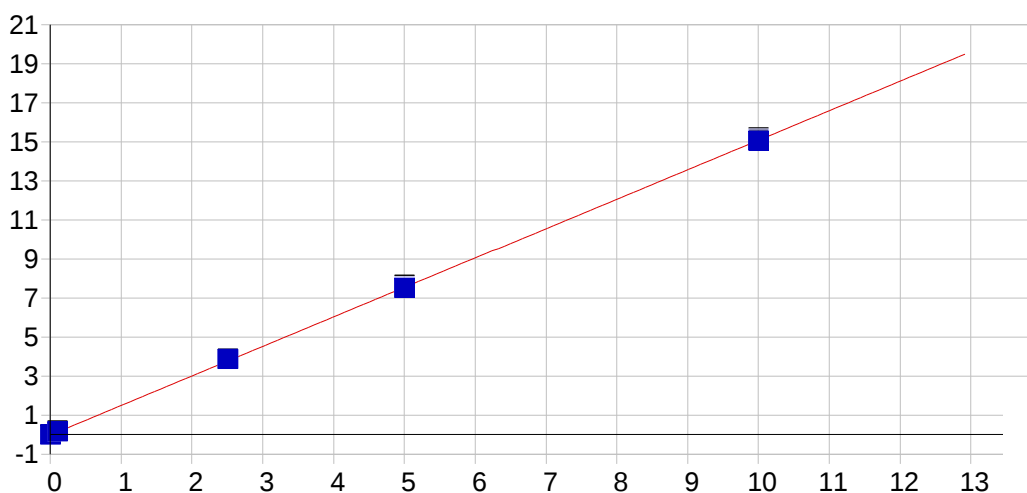
Status: OK.

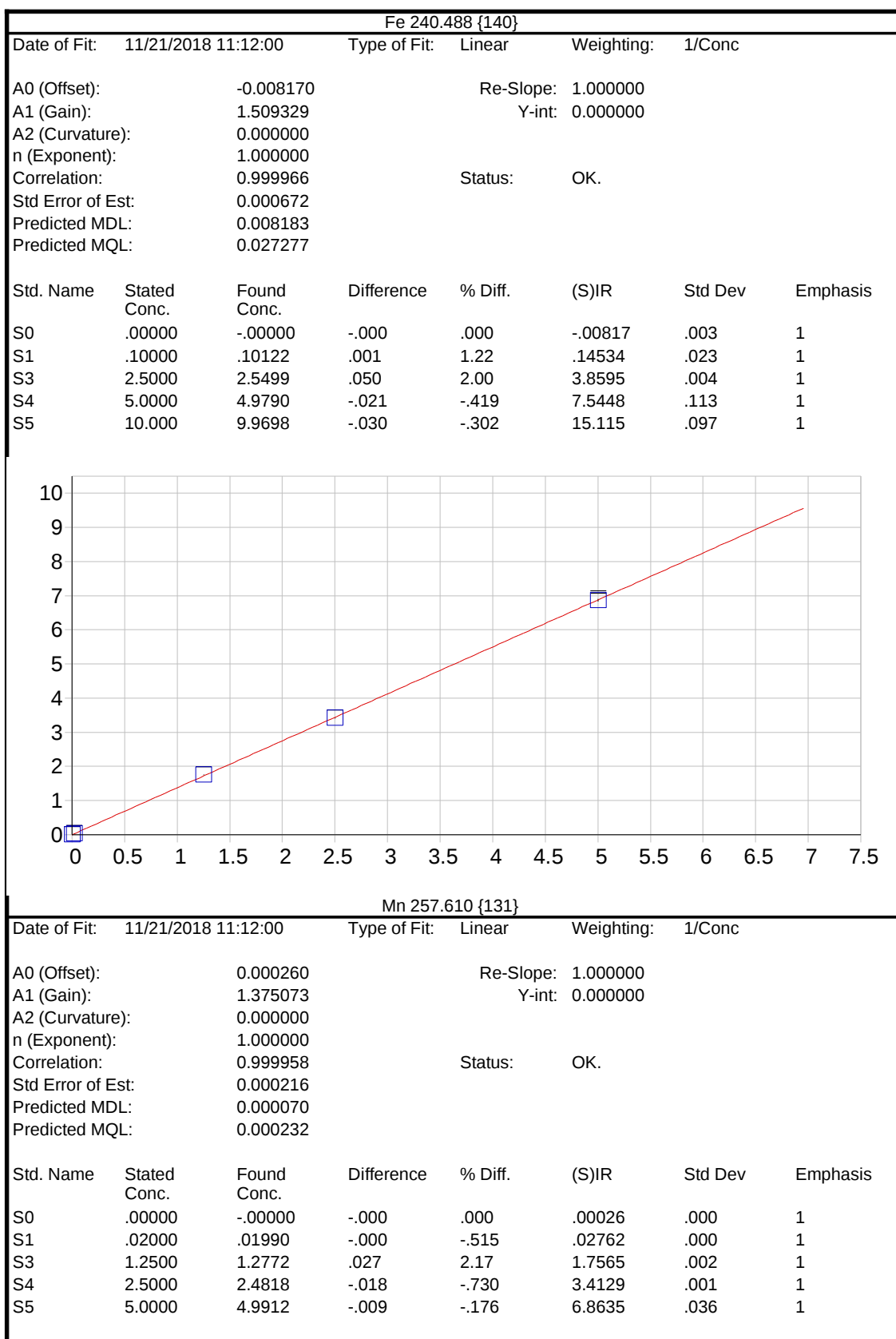
Std Error of Est: 0.000080

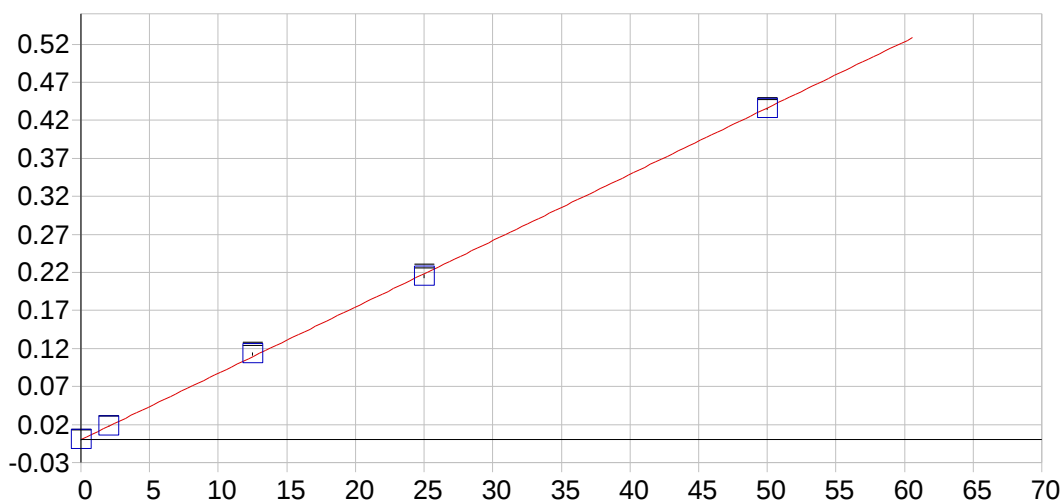
Predicted MDL: 0.000551

Predicted MQL: 0.001835

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00026	.001	1
S1	.02000	.01855	-.001	-7.26	.01273	.000	1
S3	.62500	.63713	.012	1.94	.44525	.001	1
S4	1.2500	1.2409	-.009	-.725	.86789	.001	1
S5	2.5000	2.4984	-.002	-.065	1.7474	.002	1





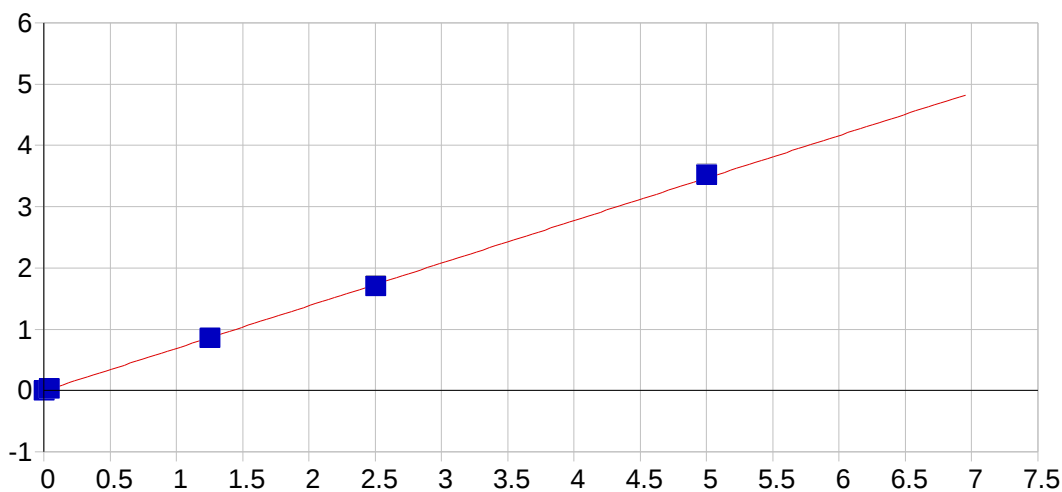


Mg 279.079 {121}

Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000027 Re-Slope: 1.000000
 A1 (Gain): 0.008723 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999869 Status: OK.
 Std Error of Est: 0.000077
 Predicted MDL: 0.049401
 Predicted MQL: 0.164670

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.0706	.071	3.53	.01809	.000	1
S0	.00000	-.00010	-.000	.000	.00003	.000	1
S3	12.500	12.933	.433	3.46	.11284	.002	1
S4	25.000	24.623	-.377	-1.51	.21481	.003	1
S5	50.000	49.873	-.127	-.253	.43506	.001	1



Ni 231.604 {445}

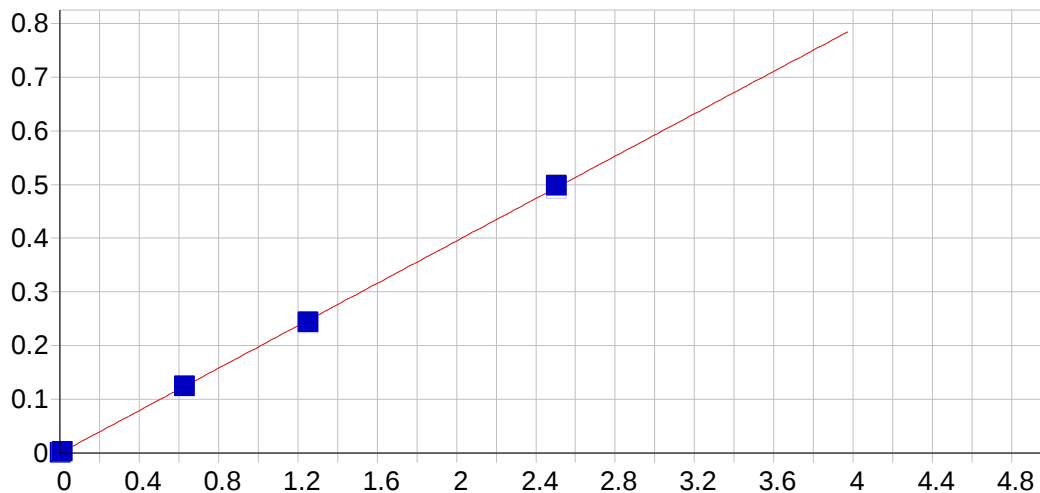
Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.006176 Re-Slope: 1.000000
 A1 (Gain): 0.694726 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999855 Status: OK.
 Std Error of Est: 0.000287
 Predicted MDL: 0.000486



Predicted MQL: 0.001619

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00617	.000	1
S1	.04000	.03725	-.003	-6.87	.01972	.001	1
S3	1.2500	1.2384	-.012	-.924	.85516	.002	1
S4	2.5000	2.4437	-.056	-2.25	1.6934	.001	1
S5	5.0000	5.0706	.071	1.41	3.5203	.003	1

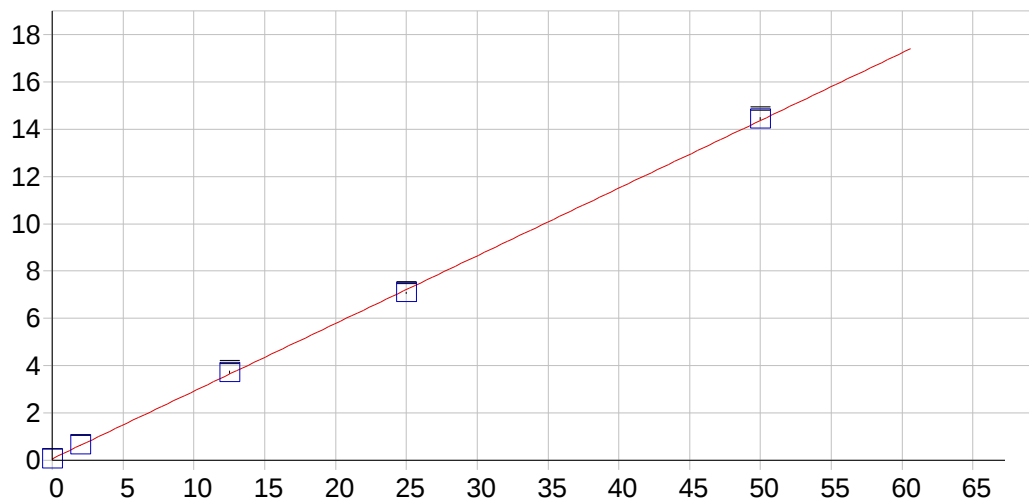


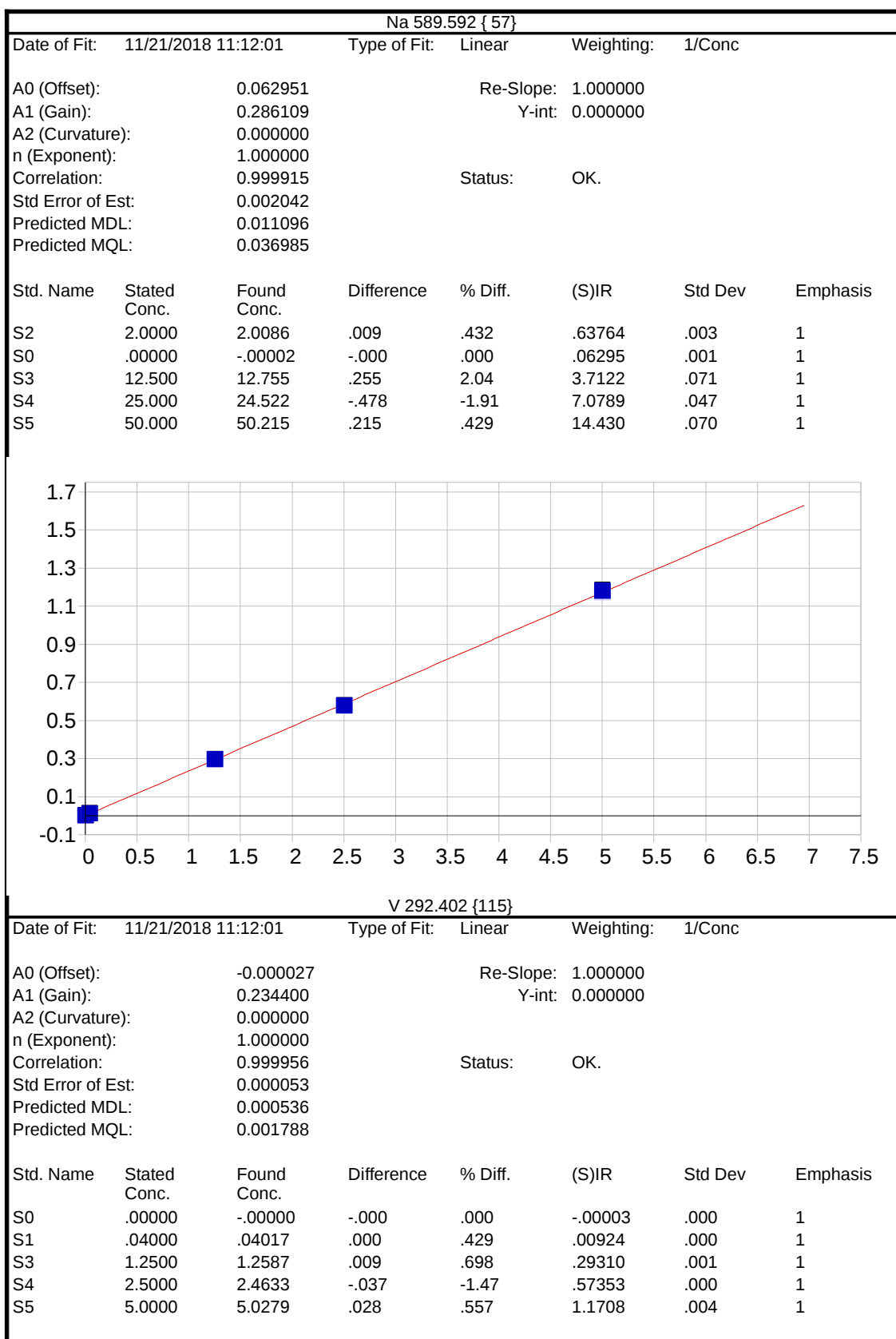
Ag 328.068 {103}

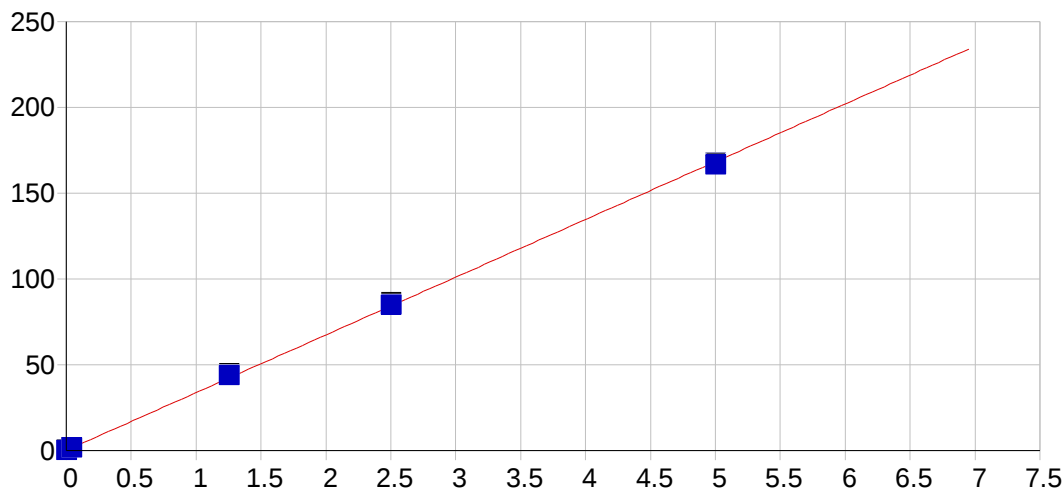
Date of Fit: 11/21/2018 11:12:00 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000087 Re-Slope: 1.000000
A1 (Gain): 0.197438 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999944 Status: OK.
Std Error of Est: 0.000018
Predicted MDL: 0.000731
Predicted MQL: 0.002436

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00009	.000	1
S1	.01000	.00893	-.001	-10.7	.00181	.000	1
S3	.62500	.62845	.003	.552	.12277	.000	1
S4	1.2500	1.2321	-.018	-1.43	.24056	.000	1
S5	2.5000	2.5155	.015	.619	.49114	.002	1





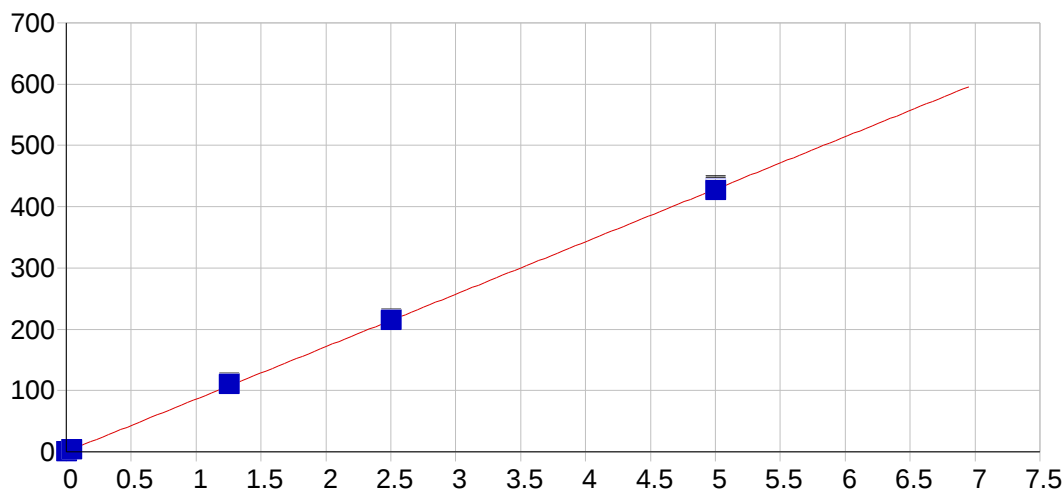


Zn 206.200 {163}

Date of Fit: 11/21/2018 11:12:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.111556 Re-Slope: 1.000000
 A1 (Gain): 33.648783 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999857 Status: OK.
 Std Error of Est: 0.013843
 Predicted MDL: 0.000483
 Predicted MQL: 0.001611

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.11150	.015	1
S1	.04000	.04045	.000	1.13	1.4816	.046	1
S3	1.2500	1.2969	.047	3.75	44.006	.723	1
S4	2.5000	2.5124	.012	.494	85.158	.924	1
S5	5.0000	4.9403	-.060	-1.19	167.36	.101	1



Zn 213.856 {458}

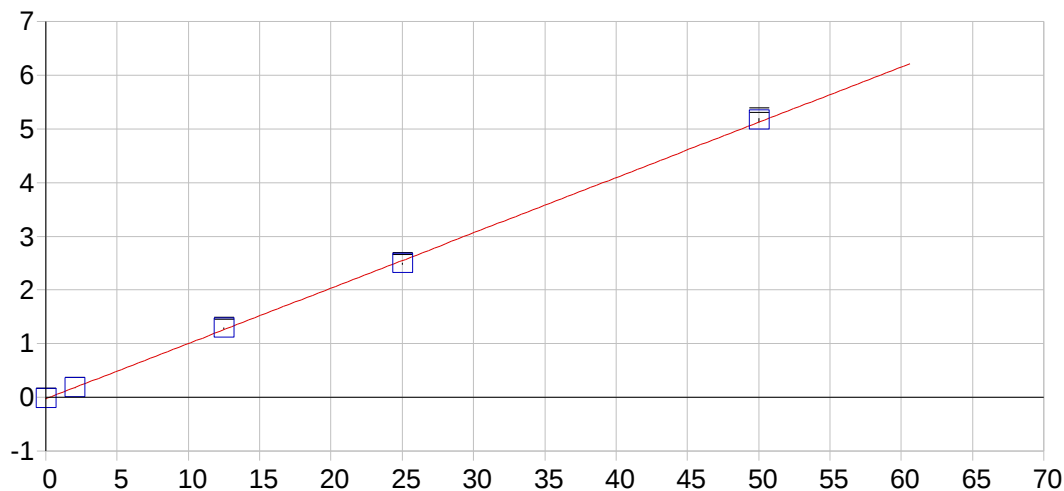
Date of Fit: 11/21/2018 11:12:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.213354 Re-Slope: 1.000000
 A1 (Gain): 85.668014 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999951 Status: OK.
 Std Error of Est: 0.020647
 Predicted MDL: 0.000095



Predicted MQL: 0.000317

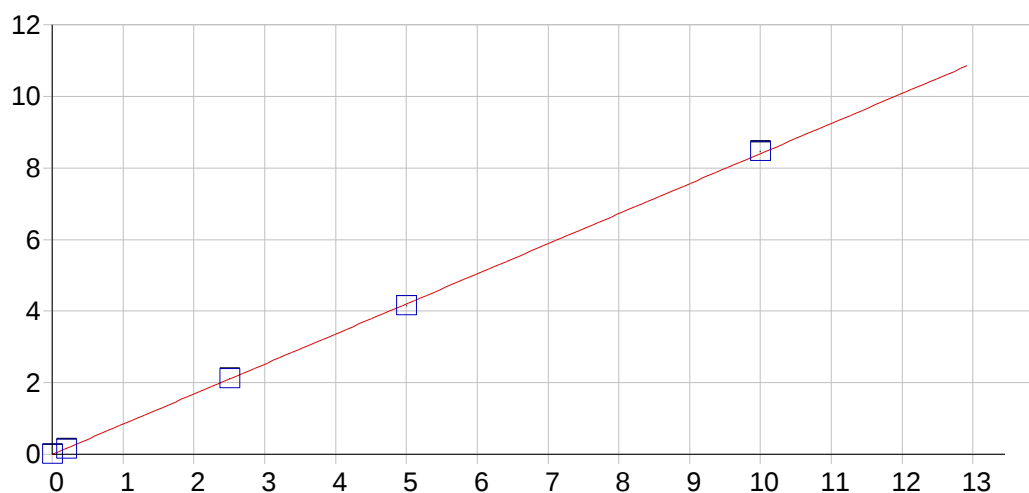
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.21337	.016	1
S1	.04000	.03908	-.001	-2.29	3.5841	.015	1
S3	1.2500	1.2801	.030	2.41	110.52	1.03	1
S4	2.5000	2.4951	-.005	-.194	215.26	.758	1
S5	5.0000	4.9757	-.024	-.486	429.06	4.15	1

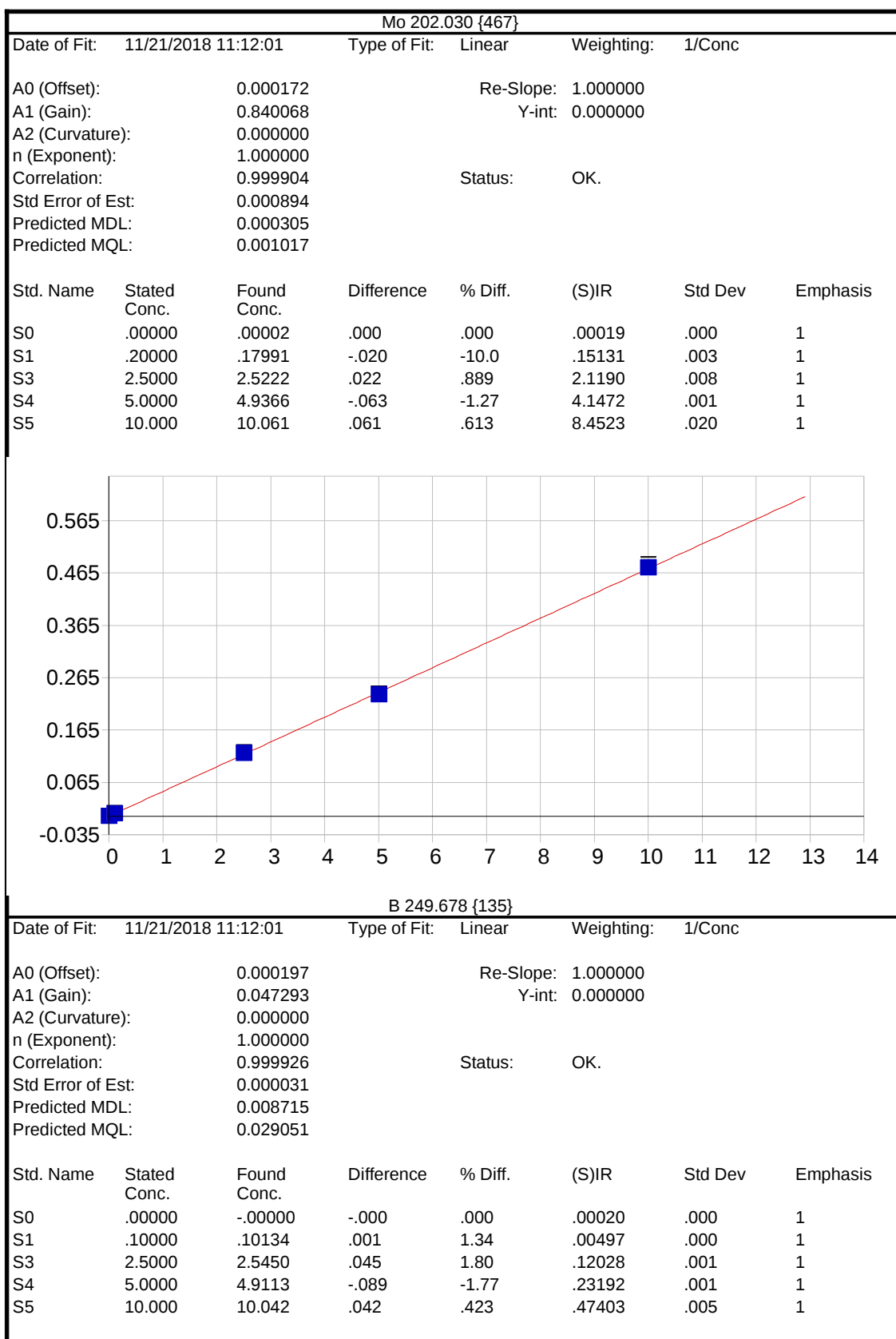


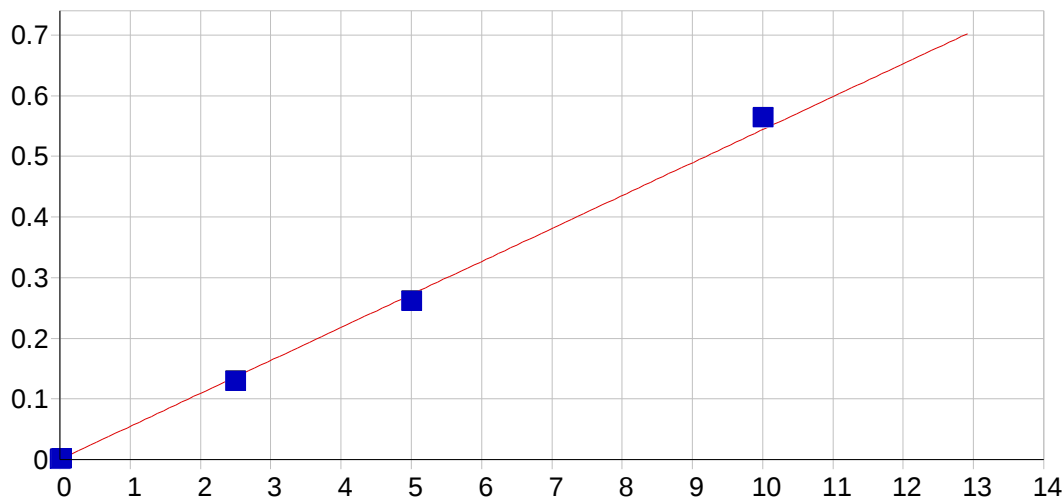
Date of Fit: 11/21/2018 11:12:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.026458 Re-Slope: 1.000000
A1 (Gain): 0.102970 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999891 Status: OK.
Std Error of Est: 0.000828
Predicted MDL: 0.039188
Predicted MQL: 0.130625

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	1.9806	-.019	-.972	.17748	.003	1
S0	.00000	.00001	.000	.000	-.02646	.002	1
S3	12.500	12.722	.222	1.77	1.2835	.018	1
S4	25.000	24.437	-.563	-2.25	2.4898	.014	1
S5	50.000	50.361	.361	.723	5.1592	.045	1





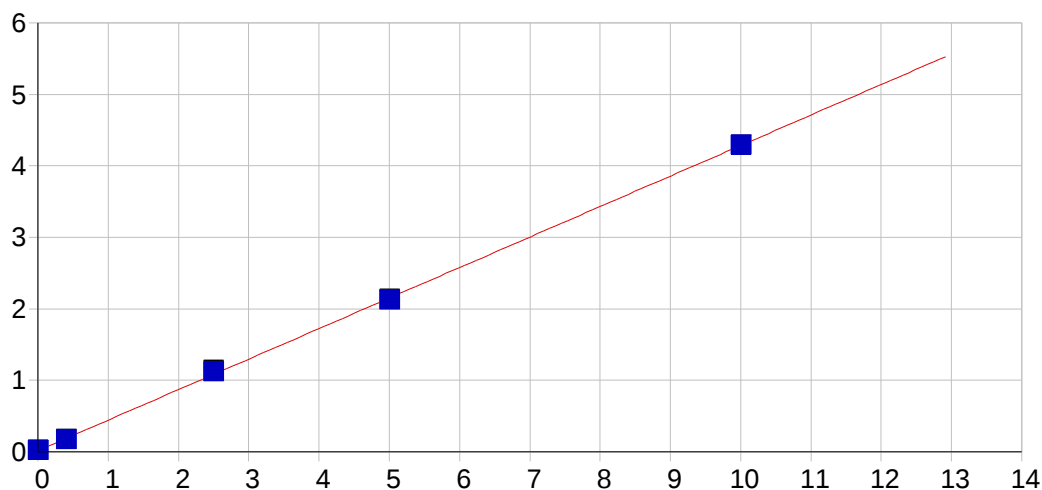


Si 182.034 {485}

Date of Fit: 11/21/2018 11:12:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000399 Re-Slope: 1.000000
 A1 (Gain): 0.054357 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999158 Status: OK.
 Std Error of Est: 0.000054
 Predicted MDL: 0.003195
 Predicted MQL: 0.010651

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00040	.000	1
S1	.02000	.01816	-.002	-9.21	.00135	.000	1
S3	2.5000	2.3602	-.140	-5.59	.12854	.000	1
S4	5.0000	4.7881	-.212	-4.24	.26036	.000	1
S5	10.000	10.354	.354	3.54	.56258	.000	1



Si 288.158 {117}

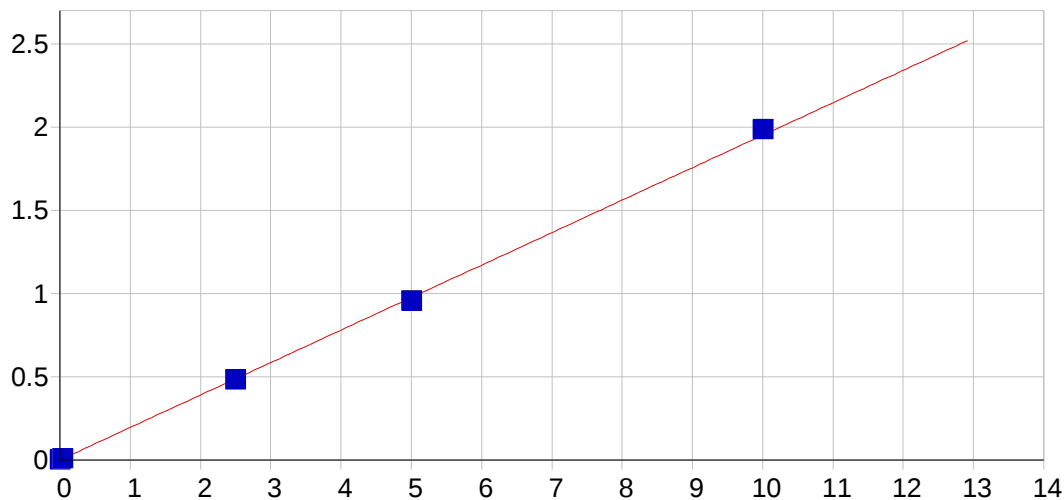
Date of Fit: 11/21/2018 11:12:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.016492 Re-Slope: 1.000000
 A1 (Gain): 0.426785 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999825 Status: OK.
 Std Error of Est: 0.000871
 Predicted MDL: 0.002949



Predicted MQL: 0.009830

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.01650	.001	1
S1	.40000	.36885	-.031	-7.79	.17377	.000	1
S3	2.5000	2.5862	.086	3.45	1.1197	.021	1
S4	5.0000	4.9352	-.065	-1.30	2.1216	.006	1
S5	10.000	10.010	.010	.097	4.2862	.005	1

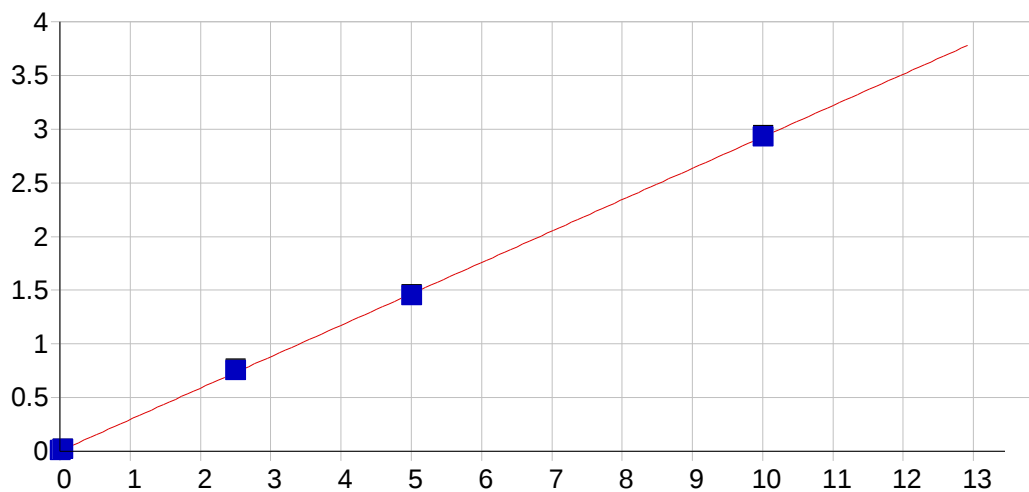


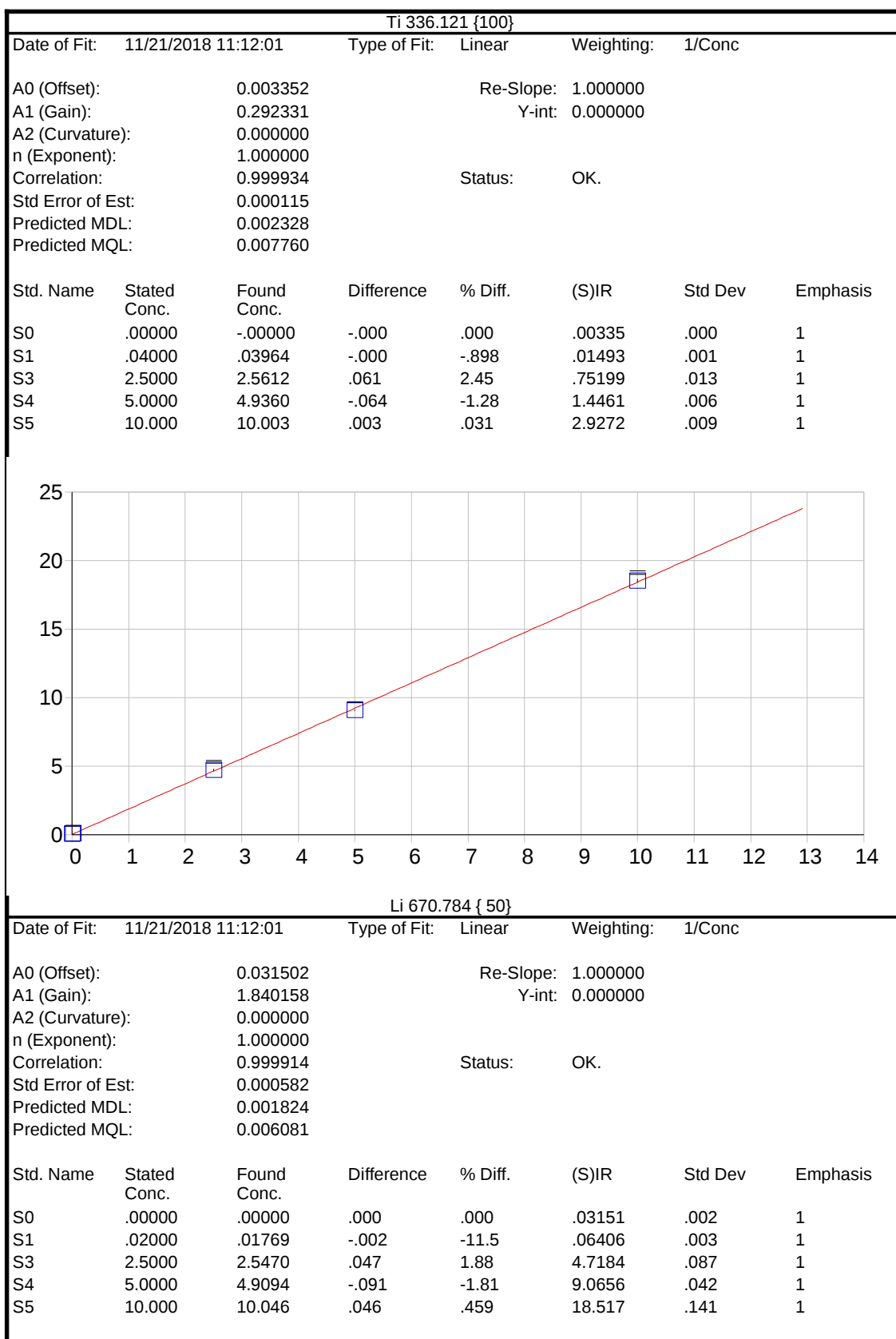
Sn 189.989 {477}

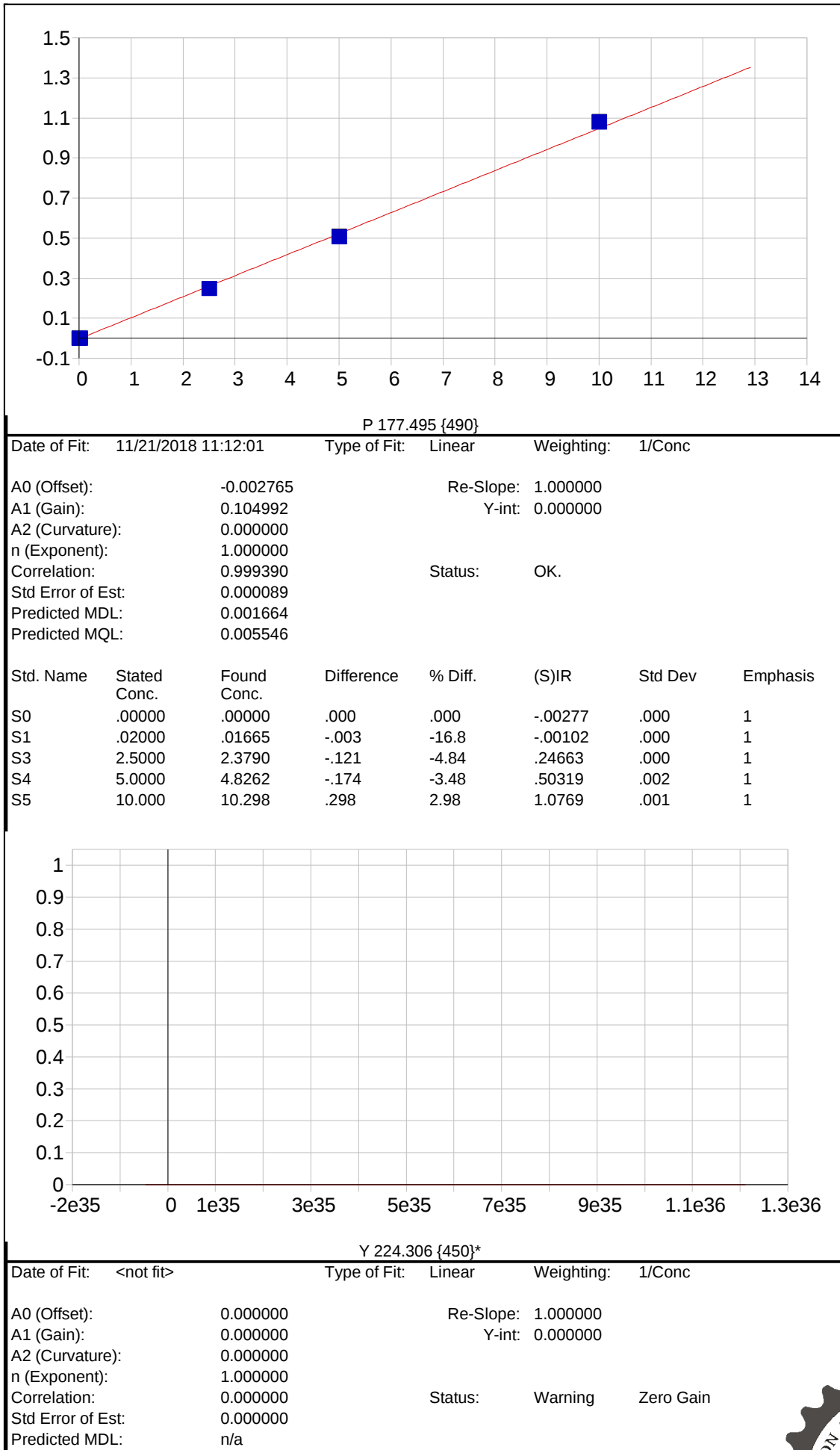
Date of Fit: 11/21/2018 11:12:01 Type of Fit: Linear Weighting: 1/Conc

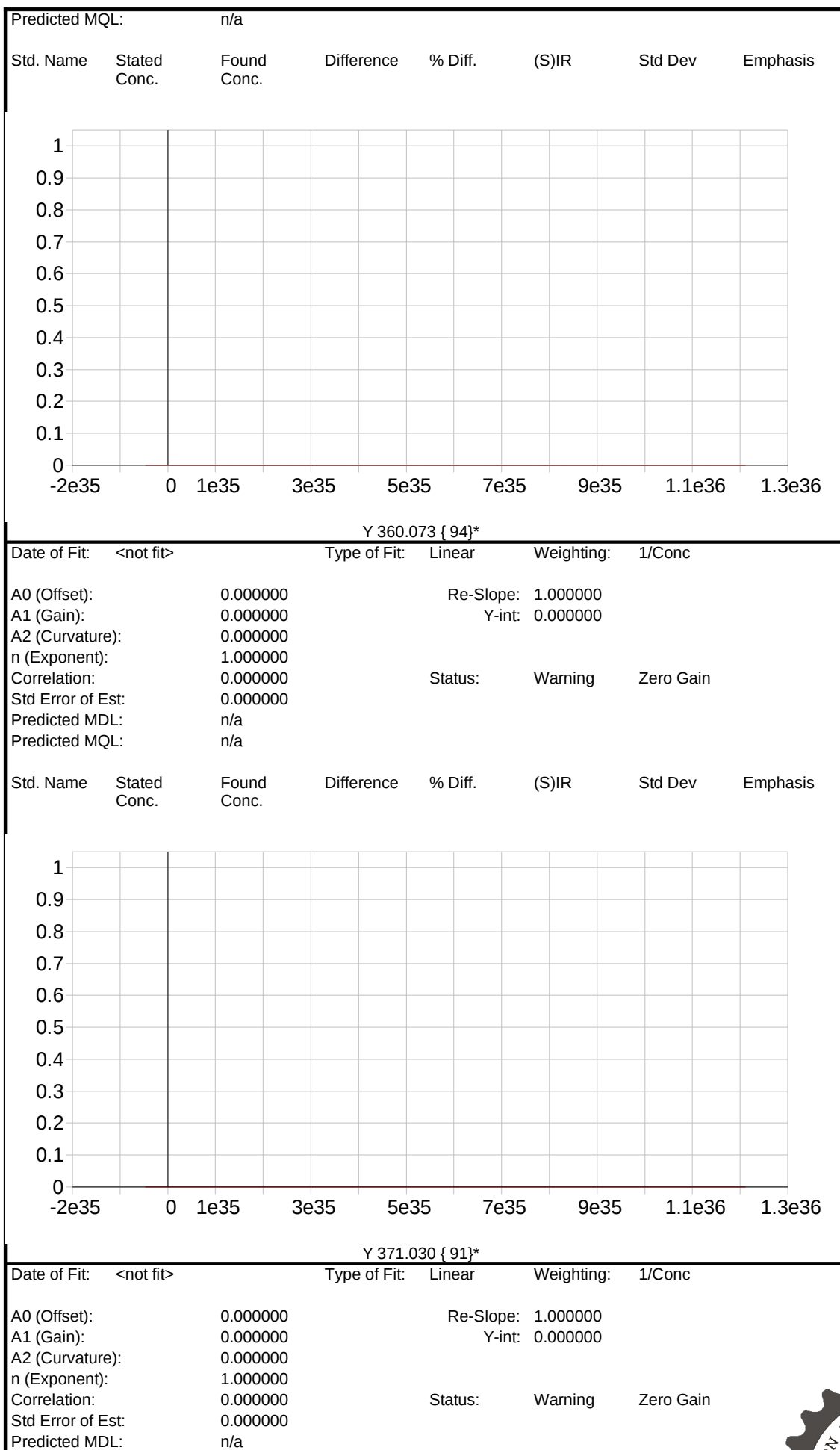
A0 (Offset): 0.000725 Re-Slope: 1.000000
A1 (Gain): 0.195073 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999803 Status: OK.
Std Error of Est: 0.000132
Predicted MDL: 0.000802
Predicted MQL: 0.002674

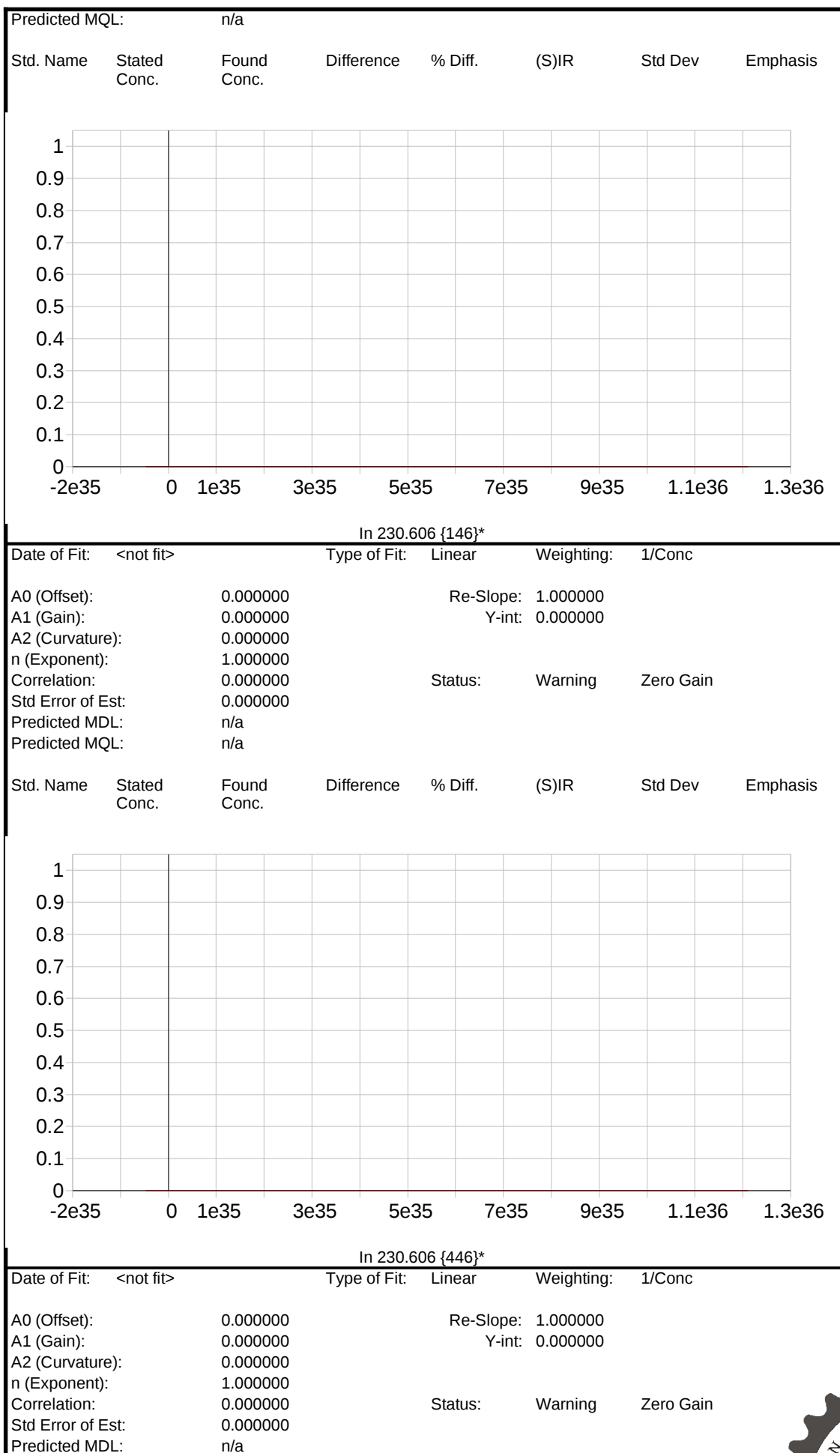
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00073	.000	1
S1	.04000	.03682	-.003	-7.96	.00791	.000	1
S3	2.5000	2.4529	-.047	-1.89	.47930	.001	1
S4	5.0000	4.8803	-.120	-2.39	.95290	.001	1
S5	10.000	10.170	.170	1.70	1.9850	.001	1

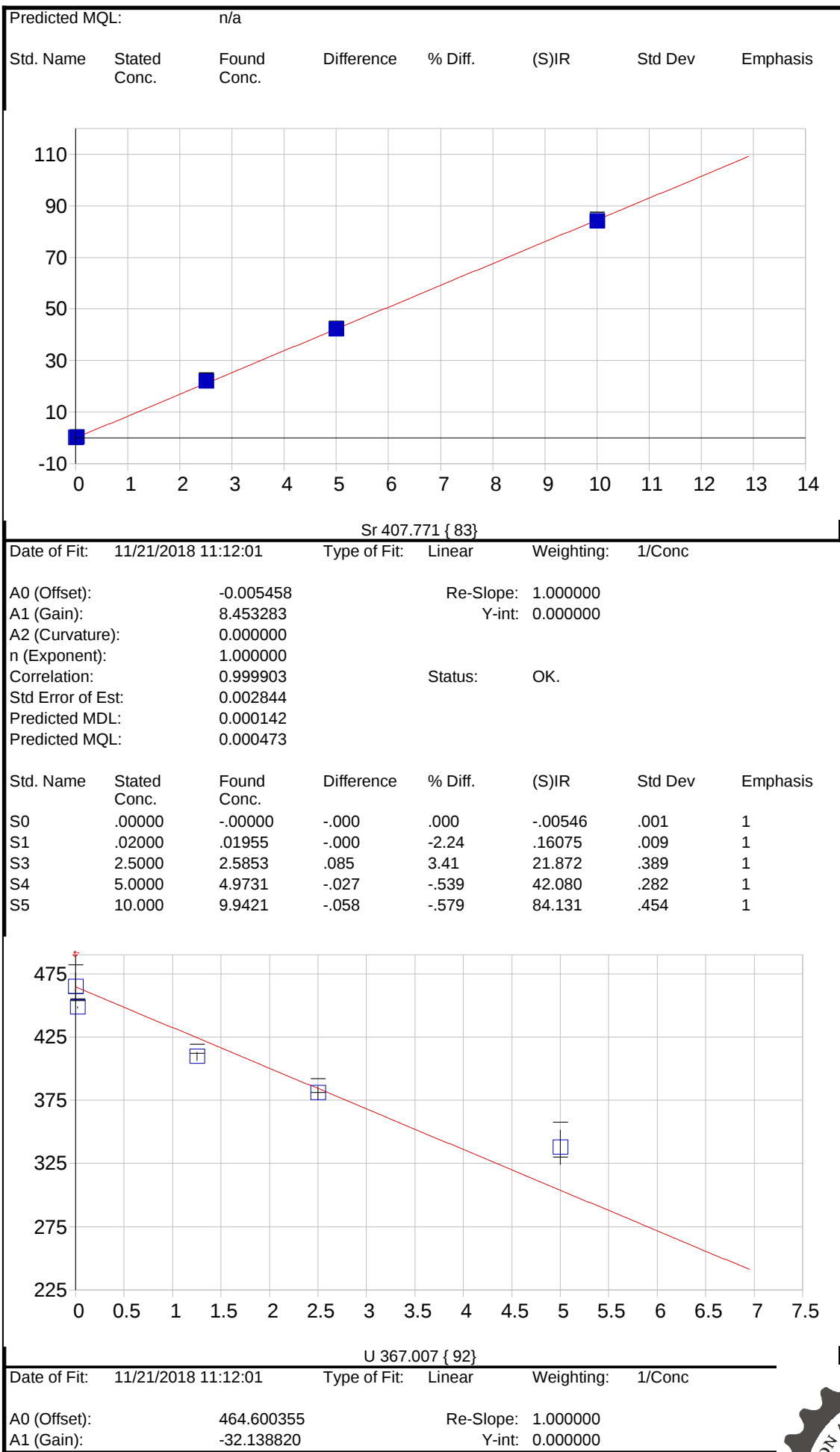


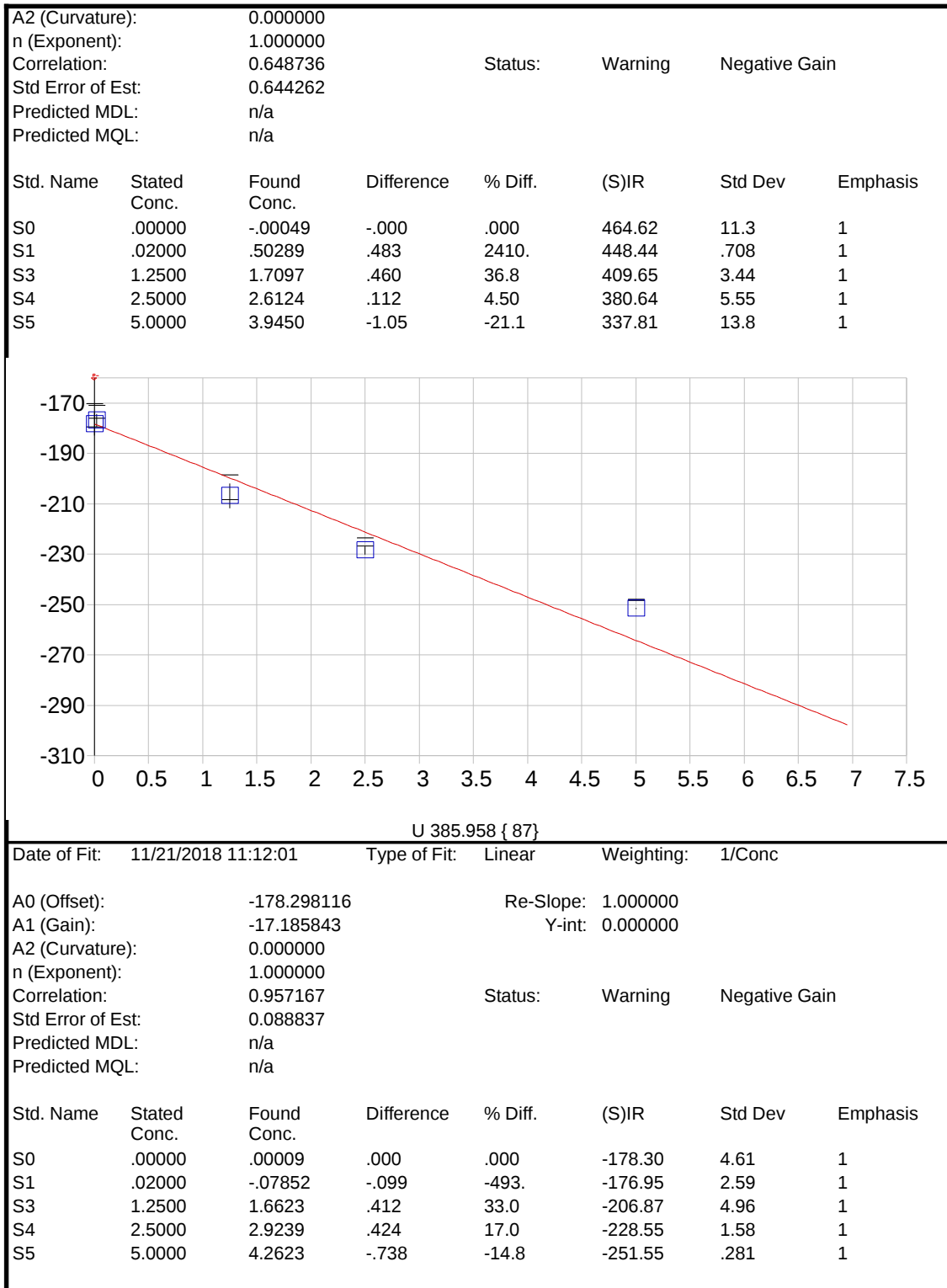












Sample Name: S0 Acquired: 11/21/2018 10:48:30 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00009	-.00046	.00378	-.00011	.00047	-.00008	.06989
Stddev	.00012	.00019	.00009	.00019	.00014	.00007	.00011
%RSD	129.90	41.047	2.3105	170.29	30.105	80.616	.16397

#1	.00018	-.00032	.00371	.00002	.00037	-.00004	.06981
#2	.00001	-.00059	.00384	-.00025	.00058	-.00013	.06997

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00007	-.00098	.00054	.00003	.00000	-.00026	-.00817
Stddev	.00004	.00004	.00042	.00003	.00004	.00051	.00315
%RSD	58.652	4.0615	78.386	95.164	1941.7	193.79	38.519

#1	.00010	-.00096	.00084	.00001	.00003	-.00063	-.00595
#2	.00004	-.00101	.00024	.00005	-.00002	.00010	-.01040

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00026	.00003	-.00617	.00009	.06295	-.00003	.21337
Stddev	.00001	.00016	.00010	.00000	.00071	.00002	.01626
%RSD	2.6663	595.83	1.6096	3.3422	1.1233	70.781	7.6196

#1	.00026	.00014	-.00624	.00009	.06345	-.00001	.22487
#2	.00026	-.00008	-.00610	.00008	.06245	-.00004	.20188

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.02646	.00019	.00020	.00040	.01650	.00073	.00335
Stddev	.00185	.00015	.00026	.00005	.00078	.00004	.00039
%RSD	6.9929	82.197	133.99	12.878	4.7325	4.9757	11.515

#1	-.02776	.00008	.00001	.00036	.01705	.00070	.00363
#2	-.02515	.00030	.00038	.00044	.01595	.00075	.00308

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.03151	-.0028	-.00546	464.62	-178.30
Stddev	.00161	.0003	.00110	11.34	4.61
%RSD	5.1135	9.850	20.130	2.4416	2.5856

#1	.03037	-.0026	-.00468	472.64	-175.04
#2	.03264	-.0030	-.00623	456.59	-181.56



Sample Name: S0 Acquired: 11/21/2018 10:48:30 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3513.5	48203.	4434.6	106.93	3707.0
Stddev	41.4	368.	43.7	.63	48.1
%RSD	1.1781	.76286	.98513	.58462	1.2988
#1	3484.2	48463.	4403.7	106.49	3673.0
#2	3542.8	47943.	4465.5	107.38	3741.1



Sample Name: S1 Acquired: 11/21/2018 10:52:33 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00109	.00601	.00667	.00113	.00755	.00067	.54082
Stddev	.00004	.00014	.00009	.00019	.00000	.00005	.02108
%RSD	3.8508	2.2951	1.3940	16.868	.03843	7.4325	3.8973

#1	.00106	.00592	.00674	.00100	.00755	.00070	.55573
#2	.00112	.00611	.00661	.00127	.00755	.00063	.52592

Elem	Be2348	Cd2265	Cr2677	Co2286	Cu2247	Fe2404	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00580	.01727	.00184	.03459	.01273	.14534	.02762
Stddev	.00003	.00040	.00015	.00100	.00041	.02310	.00006
%RSD	.49105	2.3015	8.1302	2.8809	3.2222	15.896	.22332

#1	.00582	.01699	.00173	.03388	.01244	.16168	.02766
#2	.00578	.01755	.00194	.03529	.01302	.12901	.02758

Elem	Ni2316	Ag3280	V_2924	Zn2138	Mo2020	B_2496	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01972	.00181	.00924	3.5841	.15131	.00497	.00135
Stddev	.00060	.00005	.00006	.0154	.00331	.00038	.00008
%RSD	3.0283	3.0289	.64306	.42824	2.1846	7.6146	5.7517

#1	.01930	.00185	.00929	3.5733	.14897	.00524	.00130
#2	.02014	.00177	.00920	3.5950	.15365	.00470	.00141

Elem	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.17377	.00791	.01493	.06406	-.0010	.16075	448.44
Stddev	.00004	.00011	.00119	.00280	.0001	.00925	.71
%RSD	.02292	1.3520	7.9857	4.3656	13.77	5.7552	.15784

#1	.17374	.00783	.01578	.06603	-.0011	.16729	448.94
#2	.17380	.00798	.01409	.06208	-.0009	.15421	447.94

Elem	U_3859
Units	Cts/S
Avg	-176.95
Stddev	2.59
%RSD	1.4619

#1	-178.78
#2	-175.12



Sample Name: S1 Acquired: 11/21/2018 10:52:33 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3442.2	47294.	4398.0	105.10	3610.4
Stddev	4.1	122.	40.9	1.46	1.2
%RSD	.11823	.25742	.93047	1.3915	.03462
#1	3439.3	47208.	4426.9	104.06	3611.3
#2	3445.1	47380.	4369.1	106.13	3609.5



Sample Name: S2 Acquired: 11/21/2018 10:56:37 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ca3736	Mg2790	Na5895	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.07847	.01809	.63764	.17748
Stddev	.00023	.00005	.00328	.00310
%RSD	.28932	.27677	.51467	1.7451

#1	.07863	.01805	.63532	.17967
#2	.07831	.01812	.63996	.17529

Int. Std.	Y_3710
Units	Cts/S
Avg	4481.9
Stddev	10.8
%RSD	.24024

#1	4474.3
#2	4489.5



Sample Name: S3 Acquired: 11/21/2018 11:00:34 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14539	.42790	.73434	.18221	.37405	.03548	23.614
Stddev	.00005	.00174	.00124	.00034	.00069	.00023	.414
%RSD	.03102	.40578	.16933	.18761	.18538	.64421	1.7540

#1	.14535	.42667	.73346	.18197	.37454	.03532	23.906
#2	.14542	.42913	.73522	.18245	.37356	.03565	23.321

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.13253	4.3221	.49690	.09384	1.4897	.44525	3.8595
Stddev	.00009	.0210	.00639	.00003	.0046	.00085	.0040
%RSD	.07166	.48588	1.2863	.02920	.30875	.19012	.10364

#1	.13246	4.3073	.50142	.09386	1.4864	.44466	3.8623
#2	.13260	4.3370	.49238	.09382	1.4929	.44585	3.8567

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.7565	.11284	.85516	.12277	3.7122	.29310	110.52
Stddev	.0022	.00203	.00212	.00015	.0713	.00087	1.03
%RSD	.12544	1.8010	.24806	.12369	1.9201	.29519	.93020

#1	1.7580	.11427	.85366	.12266	3.7626	.29371	111.25
#2	1.7549	.11140	.85666	.12287	3.6618	.29249	109.80

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.2835	2.1190	.12028	.12854	1.1197	.47930	.75199
Stddev	.0184	.0075	.00108	.00022	.0215	.00073	.01333
%RSD	1.4354	.35424	.90060	.17336	1.9195	.15196	1.7729

#1	1.2965	2.1137	.12105	.12838	1.1349	.47878	.76142
#2	1.2704	2.1243	.11952	.12870	1.1045	.47981	.74256

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.7184	.2466	21.872	409.65	-206.87
Stddev	.0872	.0002	.389	3.44	4.96
%RSD	1.8492	.0889	1.7776	.83899	2.3959

#1	4.7801	.2465	22.147	407.22	-203.36
#2	4.6567	.2468	21.597	412.08	-210.37



Sample Name: S3 Acquired: 11/21/2018 11:00:34 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3271.4	44946.	4235.8	98.084	3289.1
Stddev	6.0	68.	82.9	1.309	.1
%RSD	.18458	.15192	1.9562	1.3341	.00406
#1	3267.1	44898.	4177.2	97.158	3289.0
#2	3275.6	44995.	4294.4	99.009	3289.2



Sample Name: S4 Acquired: 11/21/2018 11:04:21 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.28870	.84355	1.4550	.36013	.74037	.07079	45.394
Stddev	.00008	.00034	.0020	.00078	.00107	.00054	.228
%RSD	.02653	.03986	.13896	.21753	.14492	.75883	.50220

#1	.28876	.84332	1.4535	.36069	.74113	.07041	45.233
#2	.28865	.84379	1.4564	.35958	.73961	.07117	45.555

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.26111	8.6189	.95563	.18287	2.9647	.86789	7.5448
Stddev	.00003	.0028	.00054	.00026	.0014	.00059	.1134
%RSD	.01055	.03201	.05604	.14342	.04539	.06764	1.5027

#1	.26110	8.6209	.95526	.18305	2.9638	.86830	7.4646
#2	.26113	8.6170	.95601	.18268	2.9657	.86747	7.6250

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.4129	.21481	1.6934	.24056	7.0789	.57353	215.26
Stddev	.0010	.00261	.0009	.00006	.0466	.00025	.76
%RSD	.02897	1.2128	.05316	.02574	.65809	.04286	.35234

#1	3.4122	.21297	1.6928	.24051	7.0459	.57370	214.73
#2	3.4136	.21665	1.6940	.24060	7.1118	.57336	215.80

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.4898	4.1472	.23192	.26036	2.1216	.95290	1.4461
Stddev	.0144	.0012	.00149	.00004	.0059	.00073	.0064
%RSD	.57873	.02805	.64363	.01519	.27708	.07667	.44412

#1	2.4796	4.1464	.23086	.26039	2.1258	.95342	1.4416
#2	2.5000	4.1480	.23297	.26033	2.1175	.95239	1.4507

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.0656	.5032	42.080	380.64	-228.55
Stddev	.0421	.0023	.282	5.55	1.58
%RSD	.46401	.4476	.67027	1.4568	.69102

#1	9.0358	.5048	41.880	376.72	-229.67
#2	9.0953	.5016	42.279	384.56	-227.43



Sample Name: S4 Acquired: 11/21/2018 11:04:21 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3261.8	44903.	4364.1	98.757	3209.4
Stddev	1.8	61.	5.8	.306	4.3
%RSD	.05467	.13630	.13199	.31016	.13522
#1	3260.5	44860.	4368.2	98.973	3206.4
#2	3263.1	44946.	4360.1	98.540	3212.5



Sample Name: S5 Acquired: 11/21/2018 11:08:09 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.59520	1.7277	3.0172	.73721	1.5279	.14644	92.100
Stddev	.00018	.0042	.0051	.00179	.0036	.00123	2.089
%RSD	.03038	.24127	.16762	.24295	.23511	.83724	2.2686

#1	.59532	1.7307	3.0208	.73847	1.5304	.14557	90.623
#2	.59507	1.7248	3.0136	.73594	1.5253	.14731	93.578

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.53372	17.953	1.9411	.36860	6.1783	1.7474	15.115
Stddev	.00396	.044	.0190	.00325	.0092	.0024	.097
%RSD	.74103	.24422	.97959	.88146	.14978	.13915	.64458

#1	.53093	17.984	1.9277	.36630	6.1849	1.7491	15.184
#2	.53652	17.922	1.9546	.37090	6.1718	1.7457	15.047

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.8635	.43506	3.5203	.49114	14.430	1.1708	429.06
Stddev	.0362	.00134	.0025	.00190	.070	.0041	4.15
%RSD	.52747	.30888	.07105	.38663	.48485	.34977	.96775

#1	6.8379	.43411	3.5185	.48979	14.380	1.1679	432.00
#2	6.8891	.43601	3.5221	.49248	14.479	1.1737	426.13

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.1592	8.4523	.47403	.56258	4.2862	1.9850	2.9272
Stddev	.0448	.0201	.00543	.00032	.0046	.0007	.0092
%RSD	.86830	.23782	1.1449	.05743	.10622	.03415	.31249

#1	5.1276	8.4666	.47019	.56235	4.2830	1.9854	2.9207
#2	5.1909	8.4381	.47786	.56281	4.2895	1.9845	2.9337

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	18.517	1.077	84.131	337.81	-251.55
Stddev	.141	.001	.454	13.77	.28
%RSD	.75920	.0928	.53973	4.0765	.11165

#1	18.418	1.078	83.810	328.08	-251.75
#2	18.617	1.076	84.452	347.55	-251.35



Sample Name: S5 Acquired: 11/21/2018 11:08:09 Type: Cal
Method: P4-ICP2(v2596) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3106.1	42783.	4228.5	95.928	2957.6
Stddev	9.9	171.	22.1	1.006	8.2
%RSD	.31969	.40072	.52297	1.0484	.27691
#1	3099.1	42904.	4244.2	95.217	2951.8
#2	3113.1	42662.	4212.9	96.640	2963.4



Sample Name: ICV01 Acquired: 11/21/2018 11:21:04 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0102	1.0396	.99938	1.0179	1.0002	2.4970	F .52902
Stddev	.1021	.1033	.10313	.1038	.1027	.0252	.00027
%RSD	10.106	9.9365	10.319	10.194	10.262	1.0087	.05195
#1	1.0824	1.1127	1.0723	1.0913	1.0728	2.4792	.52883
#2	.93800	.96659	.92645	.94453	.92766	2.5148	.52922

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49745	.48657	10.393	.50750	.49908	.50082	5.0696
Stddev	.00097	.05117	.004	.00053	.05332	.05113	.1286
%RSD	.19581	10.517	.03902	.10523	10.685	10.209	2.5358
#1	.49677	.52276	10.390	.50788	.53679	.53697	4.9787
#2	.49814	.45039	10.396	.50713	.46138	.46467	5.1605

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52112	6.1791	.50265	.50966	10.241	.50893	1.0419
Stddev	.00095	.0115	.05358	.00039	.023	.00124	.0035
%RSD	.18205	.18623	10.660	.07695	.22788	.24344	.33550
#1	.52045	6.1873	.54054	.50993	10.257	.50981	1.0394
#2	.52179	6.1710	.46476	.50938	10.224	.50806	1.0444

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.208	2.5680	2.6016	F .00061	2.5745	2.4780	2.6167
Stddev	.030	.2689	.0242	.00350	.0151	.2607	.0097
%RSD	.29839	10.472	.93101	574.94	.58507	10.519	.37135
#1	10.186	2.7582	2.6187	.00309	2.5851	2.6623	2.6235
#2	10.229	2.3778	2.5844	-.00187	2.5638	2.2937	2.6098

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.00220	F .0015	F .00650	F 1.9970	F 1.7605
Stddev	.00068	.0013	.00007	.1421	.0894
%RSD	30.949	91.31	1.0743	7.1136	5.0768
#1	-.00172	.0005	.00654	2.0975	1.6973
#2	-.00269	.0024	.00645	1.8966	1.8237



Sample Name: ICV01 Acquired: 11/21/2018 11:21:04 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3350.1	45693.	4345.1	102.07	3464.0
Stddev	310.7	26.	16.1	1.55	328.6
%RSD	9.2749	.05727	.37075	1.5187	9.4857
#1	3130.4	45674.	4333.7	103.16	3231.7
#2	3569.8	45711.	4356.5	100.97	3696.3



Sample Name: LLICV01 Acquired: 11/21/2018 11:24:55 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01930	.04422	.01149	.01908	.05575	.11653	.11216
Stddev	.00129	.00030	.00030	.00146	.00038	.00085	.00108
%RSD	6.6870	.66780	2.5732	7.6720	.68708	.72963	.96284

#1	.01838	.04443	.01170	.01804	.05548	.11714	.11140
#2	.02021	.04401	.01128	.02011	.05602	.11593	.11292

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00642	.00597	2.1737	.01085	.03323	.02137	.10135
Stddev	.00002	.00001	.0210	.00014	.00010	.00006	.01061
%RSD	.25194	.24961	.96634	1.3160	.31490	.30241	10.467

#1	.00644	.00596	2.1886	.01075	.03330	.02132	.09384
#2	.00641	.00598	2.1588	.01095	.03315	.02141	.10885

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02309	2.2094	.04332	.01022	2.0962	.04494	.04507
Stddev	.00005	.0464	.00018	.00019	.0009	.00018	.00027
%RSD	.23493	2.0985	.42105	1.8574	.04411	.40743	.60692

#1	.02313	2.1767	.04319	.01009	2.0955	.04507	.04526
#2	.02305	2.2422	.04345	.01036	2.0968	.04481	.04488

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0622	.21034	.11085	F .01343	.43364	.04175	.04493
Stddev	.0227	.00006	.00546	.00124	.00440	.00028	.00054
%RSD	1.1006	.02688	4.9223	9.2198	1.0137	.66127	1.2044

#1	2.0462	.21038	.10699	.01430	.43675	.04156	.04455
#2	2.0783	.21030	.11471	.01255	.43053	.04195	.04532

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01954	.0182	.02116	F 1.6058	F .43941
Stddev	.00027	.0001	.00000	.0851	.18000
%RSD	1.3903	.3079	.00409	5.2976	40.965

#1	.01934	.0182	.02116	1.6659	.31213
#2	.01973	.0183	.02116	1.5456	.56669



Sample Name: LLICV01 Acquired: 11/21/2018 11:24:55 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3373.7	46434.	4359.5	104.82	3601.5
Stddev	10.4	53.	3.6	1.03	13.3
%RSD	.30806	.11320	.08257	.97965	.37017
#1	3366.4	46397.	4357.0	104.10	3592.1
#2	3381.0	46471.	4362.1	105.55	3611.0



Sample Name: ICB01 Acquired: 11/21/2018 11:28:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	-.00085	-.00167	-.00302	-.00090	.00518	.00092
Stddev	.00140	.00033	.00002	.00100	.00025	.00606	.00001
%RSD	1737.5	38.808	1.3611	32.950	27.684	116.88	.91081

#1	.00107	-.00109	-.00165	-.00232	-.00107	.00090	.00091
#2	-.00091	-.00062	-.00168	-.00373	-.00072	.00947	.00092

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00011	-.01874	-.00000	.00009	-.00001	-.00623
Stddev	.00012	.00004	.01272	.00050	.00001	.00005	.00306
%RSD	509.19	40.088	67.861	10507.	9.5077	446.48	49.210

#1	-.00006	.00014	-.00975	.00035	.00009	-.00005	-.00839
#2	.00011	.00008	-.02774	-.00036	.00008	.00002	-.00406

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	-.00671	.00012	-.00011	-.07103	-.00029	-.00101
Stddev	.00002	.06769	.00029	.00009	.00255	.00025	.00008
%RSD	25.234	1008.5	247.54	85.678	3.5910	85.703	8.3857

#1	-.00006	-.05457	-.00009	-.00004	-.07283	-.00012	-.00107
#2	-.00009	.04115	.00033	-.00017	-.06922	-.00047	-.00095

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.04429	-.00014	.00349	-.00613	.00233	-.00051	-.00028
Stddev	.00958	.00011	.00061	.00197	.00024	.00032	.00124
%RSD	21.625	77.850	17.496	32.086	10.345	63.247	445.60

#1	-.05107	-.00006	.00306	-.00752	.00250	-.00028	.00060
#2	-.03752	-.00022	.00392	-.00474	.00216	-.00074	-.00115

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00402	-.0020	-.00013	F 1.7920	F<.00000
Stddev	.00113	.0000	.00004	.5528	.21241
%RSD	28.209	.8349	28.821	30.851	88.144

#1	-.00322	-.0020	-.00011	1.4011	-.09078
#2	-.00482	-.0020	-.00016	2.1829	-.39117



Sample Name: ICB01 Acquired: 11/21/2018 11:28:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3363.1	46655.	4350.6	103.45	3608.7
Stddev	.0	170.	15.7	2.96	8.2
%RSD	.00103	.36428	.36185	2.8614	.22606
#1	3363.1	46775.	4361.8	105.55	3603.0
#2	3363.1	46535.	4339.5	101.36	3614.5



Sample Name: CRI01 Acquired: 11/21/2018 11:33:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01905	.04372	.01034	.02061	.05568	.11163	.10948
Stddev	.00122	.00177	.00064	.00059	.00112	.00085	.00211
%RSD	6.3901	4.0551	6.1651	2.8702	2.0148	.76431	1.9305

#1	.01991	.04497	.00989	.02019	.05489	.11223	.10798
#2	.01819	.04246	.01079	.02103	.05648	.11103	.11097

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00654	.00595	2.1545	.01108	.03318	.02139	.09885
Stddev	.00009	.00016	.0175	.00057	.00079	.00018	.00605
%RSD	1.4524	2.6276	.81087	5.1217	2.3900	.82589	6.1241

#1	.00660	.00607	2.1421	.01148	.03374	.02126	.09457
#2	.00647	.00584	2.1669	.01068	.03262	.02151	.10313

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02315	2.2484	.04372	.01035	2.0474	.04580	.04544
Stddev	.00020	.0047	.00044	.00053	.0460	.00019	.00051
%RSD	.86359	.20735	.99820	5.1377	2.2468	.41223	1.1208

#1	.02330	2.2451	.04403	.01073	2.0149	.04593	.04508
#2	.02301	2.2517	.04341	.00998	2.0799	.04567	.04580

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0655	.20971	.11589	.01557	.42538	.04092	.04316
Stddev	.0705	.00338	.00496	.00260	.00672	.00142	.00079
%RSD	3.4137	1.6119	4.2758	16.724	1.5796	3.4603	1.8243

#1	2.0156	.21210	.11239	.01373	.42063	.04193	.04260
#2	2.1153	.20732	.11940	.01741	.43014	.03992	.04372

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01736	.0174	.02088	F 1.8268	F .18115
Stddev	.00161	.0014	.00046	.4750	.35034
%RSD	9.2776	8.010	2.2115	26.002	193.40

#1	.01622	.0184	.02056	2.1627	-.06658
#2	.01850	.0164	.02121	1.4909	.42888



Sample Name: CRI01 Acquired: 11/21/2018 11:33:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3378.2	45949.	4428.3	103.90	3609.2
Stddev	63.4	190.	77.6	.89	76.7
%RSD	1.8756	.41408	1.7519	.85382	2.1248
#1	3333.4	45815.	4483.2	104.53	3555.0
#2	3423.0	46084.	4373.5	103.27	3663.4



Sample Name: ICSA01 Acquired: 11/21/2018 11:37:05 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00399	-.00987	-.00787	-.00818	.00685	288.71	.00918
Stddev	.00153	.00229	.00166	.00108	.00175	3.81	.00062
%RSD	38.313	23.260	21.119	13.228	25.593	1.3214	6.7784

#1	.00507	-.00824	-.00669	-.00742	.00561	286.01	.00874
#2	.00291	-.01149	-.00905	-.00895	.00809	291.41	.00962

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00220	.00139	267.39	.05909	.00109	-.01233	105.44
Stddev	.00004	.00004	5.69	.00088	.00009	.00004	.60
%RSD	1.8794	2.9046	2.1285	1.4966	8.5014	.30824	.57329

#1	.00217	.00137	263.37	.05846	.00115	-.01236	105.87
#2	.00223	.00142	271.41	.05971	.00102	-.01231	105.02

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01993	271.74	-.00546	-.00567	.28784	.00257	.00214
Stddev	.00012	2.88	.00031	.00075	.01188	.00013	.00001
%RSD	.58987	1.0594	5.6401	13.172	4.1283	5.1801	.27192

#1	.01985	269.70	-.00568	-.00514	.27944	.00266	.00214
#2	.02001	273.78	-.00524	-.00619	.29625	.00247	.00214

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01628	.00005	-.02291	F .11659	.01300	.00803	.00158
Stddev	.00883	.00001	.00434	.00214	.00136	.00086	.00282
%RSD	54.234	28.272	18.938	1.8394	10.453	10.682	178.07

#1	.01004	.00006	-.01984	.11810	.01396	.00742	-.00041
#2	.02252	.00004	-.02597	.11507	.01204	.00864	.00358

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00290	.0043	-.00591	F 4.1121	F 4.9598
Stddev	.00071	.0022	.00156	.0566	.0329
%RSD	24.529	52.50	26.353	1.3764	.66299

#1	.00240	.0058	-.00701	4.0721	4.9365
#2	.00341	.0027	-.00481	4.1521	4.9831



Sample Name: ICSA01 Acquired: 11/21/2018 11:37:05 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2900.9	39573.	4094.0	90.139	2776.6
Stddev	7.5	269.	41.7	.673	7.8
%RSD	.25823	.67883	1.0177	.74656	.27972
#1	2895.6	39763.	4123.4	89.663	2771.1
#2	2906.2	39383.	4064.5	90.615	2782.1



Sample Name: ICSAB01 Acquired: 11/21/2018 11:49:16 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10720	.09517	.04388	.04014	.64046	272.42	.54305
Stddev	.00123	.00143	.00225	.00053	.00105	1.47	.00134
%RSD	1.1442	1.5023	5.1338	1.3300	.16319	.53969	.24757

#1	.10633	.09416	.04547	.04051	.64120	271.38	.54400
#2	.10806	.09618	.04229	.03976	.63973	273.46	.54210

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.55017	1.0052	253.74	.55934	.50729	.47537	100.43
Stddev	.00594	.0022	1.12	.00583	.00035	.00017	.59
%RSD	1.0797	.21963	.44110	1.0432	.06833	.03602	.58883

#1	.54597	1.0067	252.95	.55522	.50704	.47549	100.84
#2	.55437	1.0036	254.54	.56347	.50753	.47525	100.01

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.53256	259.80	.99459	.21108	-.00108	.51844	1.0546
Stddev	.00435	.18	.00005	.00355	.00614	.00346	.0045
%RSD	.81611	.07055	.00482	1.6832	566.74	.66761	.42418

#1	.52948	259.67	.99463	.20857	-.00543	.51600	1.0514
#2	.53563	259.93	.99456	.21360	.00326	.52089	1.0577

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04249	-.00052	-.02575	.00419	.00083	.00486	-.00087
Stddev	.04750	.00051	.00106	.00742	.00055	.00003	.00048
%RSD	111.80	97.842	4.1111	177.23	66.547	.67251	54.820

#1	.00890	-.00016	-.02500	.00943	.00122	.00488	-.00121
#2	.07608	-.00088	-.02650	-.00106	.00044	.00484	-.00053

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00166	F .0026	F -.00627	F 3.9360	F 5.0259
Stddev	.00325	.0002	.00002	.1424	.1992
%RSD	195.91	8.242	.37698	3.6176	3.9641

#1	.00396	.0027	-.00625	4.0367	4.8850
#2	-.00064	.0024	-.00628	3.8353	5.1668



Sample Name: ICSAB01 Acquired: 11/21/2018 11:49:16 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2965.3	40801.	4178.7	92.413	2859.9
Stddev	11.2	267.	18.7	.303	12.6
%RSD	.37932	.65380	.44835	.32762	.44184
#1	2957.3	40989.	4192.0	92.628	2851.0
#2	2973.2	40612.	4165.5	92.199	2868.8



Sample Name: CCV01 Acquired: 11/21/2018 11:53:16 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0837	5.0831	5.0470	5.1434	5.1636	9.7879	9.9805
Stddev	.1358	.1423	.1477	.1376	.1337	.0315	.0286
%RSD	2.6703	2.7988	2.9272	2.6752	2.5897	.32195	.28661

#1	5.1797	5.1837	5.1515	5.2406	5.2582	9.7656	10.001
#2	4.9877	4.9825	4.9426	5.0461	5.0690	9.8101	9.9602

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24745	2.5004	24.956	.96762	2.5080	1.2020	4.9323
Stddev	.00279	.0707	.003	.01043	.0734	.0315	.0162
%RSD	1.1292	2.8273	.01007	1.0784	2.9274	2.6207	.32865

#1	.24547	2.5504	24.954	.96024	2.5599	1.2243	4.9208
#2	.24942	2.4504	24.957	.97500	2.4561	1.1798	4.9437

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4648	24.336	2.5060	1.2152	24.367	2.4570	2.5072
Stddev	.0239	.146	.0715	.0055	.064	.0156	.0009
%RSD	.97150	.59839	2.8535	.45335	.26160	.63404	.03431

#1	2.4479	24.439	2.5566	1.2113	24.412	2.4460	2.5066
#2	2.4818	24.233	2.4555	1.2191	24.321	2.4680	2.5078

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.646	5.1363	4.9801	5.0079	5.0394	4.9855	4.9276
Stddev	.062	.1313	.0154	.1229	.0125	.1350	.0307
%RSD	.25257	2.5573	.30926	2.4543	.24773	2.7071	.62351

#1	24.690	5.2291	4.9910	5.0948	5.0482	5.0809	4.9493
#2	24.602	5.0434	4.9692	4.9210	5.0306	4.8901	4.9059

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.0025	4.998	4.9545	F 3.3010	F 2.5034
Stddev	.0137	.144	.0208	.0743	.5044
%RSD	.27416	2.881	.41965	2.2516	20.147

#1	5.0122	5.100	4.9692	3.3535	2.1467
#2	4.9928	4.896	4.9398	3.2484	2.8600



Sample Name: CCV01 Acquired: 11/21/2018 11:53:16 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3154.0	44489.	4363.8	98.888	3133.8
Stddev	71.2	191.	4.4	.483	77.5
%RSD	2.2559	.42848	.10101	.48826	2.4745
#1	3103.7	44624.	4366.9	99.230	3079.0
#2	3204.3	44354.	4360.7	98.547	3188.7



Sample Name: LLCCV01 Acquired: 11/21/2018 12:01:07 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLCCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02234	.04649	.01125	.01933	.05762	.10807	.11618
Stddev	.00585	.00043	.00033	.00169	.00013	.01099	.00060
%RSD	26.165	.91959	2.9661	8.7567	.22036	10.165	.51265

#1	.01821	.04679	.01101	.02053	.05753	.11584	.11576
#2	.02648	.04619	.01148	.01813	.05771	.10031	.11660

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00670	.00618	2.2846	.01052	.03417	.02211	.10411
Stddev	.00011	.00002	.0068	.00022	.00024	.00102	.00496
%RSD	1.6387	.26238	.29706	2.1364	.70908	4.6291	4.7674

#1	.00662	.00617	2.2798	.01037	.03400	.02138	.10761
#2	.00678	.00619	2.2894	.01068	.03434	.02283	.10060

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02361	2.3195	.04452	.01062	2.1377	.04632	.04636
Stddev	.00014	.0420	.00002	.00064	.0140	.00005	.00033
%RSD	.57441	1.8103	.04063	6.0452	.65448	.10225	.72101

#1	.02351	2.3492	.04453	.01016	2.1476	.04629	.04612
#2	.02371	2.2898	.04451	.01107	2.1278	.04635	.04659

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.1067	.21814	F .12212	.01746	.45037	.04244	.04652
Stddev	.0048	.00137	.00720	.00139	.00241	.00065	.00059
%RSD	.22873	.62928	5.8956	7.9581	.53602	1.5364	1.2773

#1	2.1101	.21717	.11703	.01844	.45208	.04198	.04694
#2	2.1032	.21911	.12721	.01647	.44867	.04290	.04610

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01845	.0189	.02191	F 2.1966	F<.00000
Stddev	.00004	.0006	.00024	.4109	.29858
%RSD	.22427	3.236	1.0876	18.706	584.25

#1	.01848	.0193	.02208	1.9061	-.26223
#2	.01842	.0184	.02175	2.4872	.16002



Sample Name: LLCCV01 Acquired: 11/21/2018 12:01:07 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLCCV01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3297.1	45160.	4275.2	102.32	3518.5
Stddev	6.4	117.	21.4	.00	2.4
%RSD	.19464	.25970	.50168	.00157	.06744
#1	3301.7	45243.	4260.0	102.32	3520.2
#2	3292.6	45077.	4290.4	102.32	3516.8



Sample Name: CCB01 Acquired: 11/21/2018 12:05:11 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00156	-.00079	-.00275	-.00288	-.00073	.00874	.00093
Stddev	.00017	.00044	.00076	.00212	.00017	.00226	.00014
%RSD	10.972	55.897	27.747	73.674	23.586	25.889	15.026

#1	-.00168	-.00048	-.00221	-.00138	-.00085	.00714	.00084
#2	-.00144	-.00110	-.00329	-.00438	-.00061	.01034	.00103

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00006	-.02135	.00024	.00007	.00023	-.00350
Stddev	.00009	.00003	.01364	.00005	.00005	.00043	.00422
%RSD	170.92	60.945	63.873	22.180	68.823	186.95	120.55

#1	.00012	.00003	-.03099	.00021	.00010	.00053	-.00649
#2	-.00001	.00008	-.01171	.00028	.00004	-.00007	-.00052

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	-.00400	-.00020	-.00028	-.09704	-.00005	-.00129
Stddev	.00001	.03041	.00010	.00060	.00515	.00028	.00013
%RSD	8.8178	760.14	48.092	211.43	5.3120	524.75	10.054

#1	-.00009	-.02551	-.00013	-.00071	-.09340	-.00025	-.00120
#2	-.00010	.01750	-.00027	.00014	-.10069	.00015	-.00138

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.02564	.00011	-.00013	-.00276	.00507	-.00105	.00131
Stddev	.02709	.00008	.00277	.00060	.00019	.00025	.00162
%RSD	105.63	77.711	2157.3	21.734	3.7442	23.678	123.13

#1	-.04480	.00005	.00183	-.00319	.00521	-.00087	.00017
#2	-.00649	.00016	-.00208	-.00234	.00494	-.00122	.00246

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00559	-.0011	-.00016	F 1.8437	F<.00000
Stddev	.00065	.0008	.00008	.0667	.13218
%RSD	11.574	74.51	46.418	3.6192	21.415

#1	-.00604	-.0005	-.00011	1.7965	-.52376
#2	-.00513	-.0017	-.00022	1.8909	-.71069



Sample Name: CCB01 Acquired: 11/21/2018 12:05:11 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3357.4	46869.	4375.2	103.16	3618.0
Stddev	2.0	268.	23.8	1.04	6.0
%RSD	.05988	.57124	.54362	1.0126	.16470
#1	3358.8	46679.	4392.0	103.90	3622.3
#2	3355.9	47058.	4358.4	102.42	3613.8



Sample Name: LR CHECK2 Acquired: 11/21/2018 12:08:20 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00055	-.01563	238.59	.01486	-.03171	-.27318	94.321	-.00114
Stddev	.00085	.00214	1.54	.00248	.00087	.01048	.258	.00002
%RSD	153.73	13.699	.64419	16.703	2.7353	3.8350	.27334	1.4613

#1	-.00116	-.01715	237.51	.01661	-.03110	-.26578	94.139	-.00112
#2	.00005	-.01412	239.68	.01310	-.03233	-.28059	94.503	-.00115

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00666	.18766	-.12851	-.00375	234.03	-.80489	40.766	-.12239
Stddev	.00017	.00451	.00064	.00029	3.90	.00642	.630	.04972
%RSD	2.6218	2.4015	.49854	7.6415	1.6651	.79707	1.5457	40.627

#1	-.00654	.18447	-.12806	-.00354	231.27	-.80036	41.211	-.08723
#2	-.00679	.19084	-.12896	-.00395	236.78	-.80943	40.320	-.15755

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	45.051	.00806	.15742	-.00437	35.005	.16885	-.00346	.00011
Stddev	.362	.00031	.00920	.00003	.717	.00350	.00039	.01067
%RSD	.80322	3.8531	5.8464	.65815	2.0475	2.0701	11.357	9738.2

#1	44.795	.00784	.16393	-.00439	35.512	.17132	-.00318	-.00744
#2	45.307	.00828	.15091	-.00435	34.498	.16638	-.00373	.00766

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05620	-.00803	.00061	.01877	-.00625	.0206	.00298	1.6074
Stddev	.00111	.00175	.00055	.00212	.00154	.0052	.00002	.4812
%RSD	1.9804	21.778	90.317	11.283	24.615	25.14	.66839	29.937

#1	.05541	-.00927	.00101	.01727	-.00734	.0169	.00299	1.9477
#2	.05698	-.00679	.00022	.02026	-.00516	.0242	.00296	1.2671

Elem	U_3859
Units	ppm
Avg	.75996
Stddev	.04110
%RSD	5.4087

#1	.73089
#2	.78902



Sample Name: LR CHECK2 Acquired: 11/21/2018 12:08:20 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3424.1	48496.	4596.9	104.59	3596.6
Stddev	22.4	677.	19.0	1.12	24.2
%RSD	.65421	1.3963	.41434	1.0694	.67276
#1	3439.9	48017.	4610.4	103.80	3613.8
#2	3408.2	48975.	4583.4	105.38	3579.5



Sample Name: LR CHECK1 Acquired: 11/21/2018 12:12:51 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01538	-.08781	-.06638	-.19321	.06249	2075.9	.00680	.00444
Stddev	.00036	.00563	.01192	.01604	.00228	13.5	.00071	.00021
%RSD	2.3127	6.4171	17.958	8.3021	3.6527	.65236	10.486	4.7551

#1	-.01563	-.09179	-.05795	-.20455	.06410	2066.4	.00731	.00429
#2	-.01513	-.08382	-.07481	-.18187	.06088	2085.5	.00630	.00459

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02173	1962.0	.12826	.04211	-.52453	825.62	.03354	1836.9
Stddev	.00270	20.9	.00207	.00043	.01570	17.90	.00049	13.3
%RSD	12.445	1.0677	1.6127	1.0220	2.9926	2.1683	1.4684	.72303

#1	.02365	1976.8	.12680	.04181	-.51343	812.96	.03319	1846.3
#2	.01982	1947.2	.12972	.04242	-.53563	838.28	.03388	1827.5

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12121	-.06657	1876.0	.00543	.10180	958.87	.01655	-.34247
Stddev	.00333	.00086	51.8	.00005	.00184	13.39	.00142	.04261
%RSD	2.7462	1.2975	2.7597	.95179	1.8062	1.3968	8.5733	12.442

#1	.12357	-.06719	1912.6	.00547	.10050	968.34	.01755	-.37260
#2	.11886	-.06596	1839.4	.00539	.10310	949.40	.01555	-.31234

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45546	.01385	.05262	-.05549	.04565	.0649	-.88998	11.816
Stddev	.00312	.00838	.00102	.00144	.00378	.0010	.01990	.286
%RSD	.68439	60.469	1.9396	2.5959	8.2773	1.559	2.2365	2.4208

#1	.45326	.01978	.05334	-.05651	.04298	.0642	-.87591	12.018
#2	.45766	.00793	.05190	-.05447	.04832	.0656	-.90406	11.613

Elem	U_3859
Units	ppm
Avg	<.00000
Stddev	.98522
%RSD	.47572

#1	-206.40
#2	-207.80



Sample Name: LR CHECK1 Acquired: 11/21/2018 12:12:51 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2225.5	31626.	3842.2	78.714	1805.4
Stddev	12.8	347.	25.1	1.749	16.5
%RSD	.57683	1.0981	.65396	2.2219	.91143
#1	2216.4	31871.	3824.4	79.951	1793.7
#2	2234.6	31380.	3859.9	77.477	1817.0



Sample Name: J5763-01 Acquired: 11/21/2018 12:17:15 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03138	-.01308	.57329	-.00105	.00403	139.27	.87679
Stddev	.00102	.00102	.00653	.00092	.00141	.01	.00347
%RSD	3.2575	7.7652	1.1395	87.894	35.028	.00984	.39627

#1	.03210	-.01380	.57791	-.00170	.00303	139.28	.87433
#2	.03066	-.01236	.56868	-.00040	.00503	139.26	.87924

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00722	-.00316	160.93	.26992	.22178	.26330	290.54
Stddev	.00009	.00088	.65	.00026	.00081	.00734	7.94
%RSD	1.2289	27.782	.40617	.09489	.36674	2.7876	2.7342

#1	.00715	-.00254	160.46	.27010	.22236	.26849	284.92
#2	.00728	-.00378	161.39	.26974	.22121	.25811	296.16

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.4973	55.358	.24489	-.00446	10.615	.39978	.82638
Stddev	.0000	.661	.00048	.00133	.170	.00145	.01900
%RSD	.00021	1.1940	.19675	29.877	1.6035	.36272	2.2992

#1	4.4973	54.891	.24523	-.00541	10.736	.39875	.81294
#2	4.4973	55.826	.24455	-.00352	10.495	.40080	.83981

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.451	.00558	.10104	8.0424	2.2691	.03592	4.6303
Stddev	.014	.00044	.00799	.0197	.0247	.00007	.0052
%RSD	.08260	7.8122	7.9084	.24455	1.0884	.18611	.11203

#1	17.461	.00527	.09539	8.0563	2.2516	.03587	4.6266
#2	17.441	.00588	.10669	8.0285	2.2865	.03597	4.6339

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18417	7.715	.37617	<.00000	F<.00000
Stddev	.00190	.023	.00540	.07253	.01620
%RSD	1.0297	.2999	1.4366	1.1552	.02922

#1	.18283	7.731	.37999	-6.2274	-55.430
#2	.18551	7.699	.37235	-6.3300	-55.453



Sample Name: J5763-01 Acquired: 11/21/2018 12:17:15 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3664.5	51304.	5301.4	98.020	3006.1
Stddev	15.3	220.	5.3	2.106	18.5
%RSD	.41705	.42884	.10008	2.1484	.61396
#1	3653.6	51148.	5305.2	99.509	2993.1
#2	3675.3	51460.	5297.7	96.531	3019.2



Sample Name: J5763-03 Acquired: 11/21/2018 12:21:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06550	-.01248	.23931	-.00543	.00946	261.86	.62197
Stddev	.00131	.00023	.00271	.00071	.00141	1.42	.00491
%RSD	1.9981	1.8300	1.1342	13.024	14.889	.54075	.78949

#1	.06642	-.01232	.23739	-.00593	.01046	262.86	.62545
#2	.06457	-.01265	.24123	-.00493	.00847	260.86	.61850

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00929	-.00560	52.560	.25044	.09093	.15537	328.89
Stddev	.00003	.00047	.431	.00109	.00036	.00439	3.97
%RSD	.35009	8.4796	.81984	.43567	.39420	2.8278	1.2058

#1	.00927	-.00593	52.865	.24966	.09067	.15227	331.70
#2	.00931	-.00526	52.256	.25121	.09118	.15848	326.09

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8492	33.541	.18270	-.01141	9.0171	.55432	.57142
Stddev	.0028	.163	.00172	.00027	.0621	.00084	.00758
%RSD	.14903	.48679	.94094	2.3478	.68841	.15217	1.3270

#1	1.8511	33.656	.18148	-.01122	9.0610	.55372	.57678
#2	1.8472	33.425	.18391	-.01160	8.9732	.55492	.56605

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6446	.00625	.00979	5.8408	2.3290	.01294	1.2958
Stddev	.0957	.00002	.00369	.0020	.0220	.00050	.0099
%RSD	.99262	.29025	37.747	.03348	.94454	3.8668	.76577

#1	9.7123	.00624	.00718	5.8422	2.3134	.01329	1.3029
#2	9.5769	.00626	.01240	5.8394	2.3446	.01258	1.2888

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.13887	5.430	-.06896	<.00000	F<.00000
Stddev	.00087	.010	.00219	.02934	1.0317
%RSD	.62741	.1809	3.1733	.31278	1.3792

#1	.13949	5.423	-.07051	-9.4008	-74.076
#2	.13826	5.437	-.06741	-9.3593	-75.535



Sample Name: J5763-03 Acquired: 11/21/2018 12:21:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3481.5	48387.	4987.7	100.59	3033.0
Stddev	7.5	40.	23.4	1.21	7.6
%RSD	.21487	.08357	.46862	1.1988	.24896
#1	3486.7	48358.	4971.1	99.733	3038.3
#2	3476.2	48416.	5004.2	101.44	3027.6



Sample Name: J5775-01 Acquired: 11/21/2018 12:25:08 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TR-05-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13817	-.00869	.85812	.01636	.00669	91.012	.47221
Stddev	.00320	.00030	.00703	.00038	.00107	.299	.00041
%RSD	2.3167	3.4976	.81875	2.3028	15.941	.32804	.08722

#1	.13590	-.00891	.85315	.01609	.00594	90.801	.47191
#2	.14043	-.00848	.86309	.01663	.00744	91.223	.47250

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00738	.00501	157.57	.37934	.10613	1.5277	254.39
Stddev	.00003	.00048	.31	.00536	.00181	.0139	.63
%RSD	.38801	9.5844	.19653	1.4125	1.7029	.91158	.24775

#1	.00736	.00467	157.35	.37555	.10485	1.5179	254.84
#2	.00740	.00535	157.78	.38313	.10740	1.5376	253.95

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3925	49.138	.38525	.00247	78.353	.28883	2.1026
Stddev	.0133	.016	.00460	.00001	.027	.00275	.0054
%RSD	.55404	.03181	1.1943	.60241	.03499	.95354	.25573

#1	2.3831	49.149	.38200	.00248	78.372	.28689	2.0988
#2	2.4019	49.127	.38850	.00246	78.334	.29078	2.1064

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.890	.01069	.15402	F 133.43	2.3685	.23101	1.9189
Stddev	.028	.00015	.00864	1.05	.0169	.00106	.0084
%RSD	.15074	1.4479	5.6098	.79057	.71304	.45917	.43856

#1	18.870	.01080	.16013	132.69	2.3565	.23026	1.9248
#2	18.910	.01058	.14791	134.18	2.3804	.23176	1.9129

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.22438	7.420	.33688	<.00000	F<.00000
Stddev	.00021	.066	.00064	.10640	1.0699
%RSD	.09468	.8886	.18911	2.0986	2.7611

#1	.22423	7.374	.33643	-4.9949	-37.993
#2	.22453	7.467	.33733	-5.1454	-39.506



Sample Name: J5775-01 Acquired: 11/21/2018 12:25:08 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TR-05-111918 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3468.8	49123.	4991.5	99.576	2995.5
Stddev	12.3	276.	10.1	.065	18.3
%RSD	.35486	.56180	.20281	.06507	.61055
#1	3477.5	49318.	4998.6	99.530	3008.4
#2	3460.1	48928.	4984.3	99.622	2982.5



Sample Name: J6010-01 Acquired: 11/21/2018 12:28:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FS-RT3786 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05670	-.01969	2.0725	.00839	.01106	217.42	1.1049
Stddev	.00298	.00058	.0163	.00432	.00056	2.01	.0064
%RSD	5.2508	2.9339	.78694	51.519	5.0371	.92422	.57694

#1	.05881	-.02010	2.0841	.00534	.01146	216.00	1.1004
#2	.05460	-.01928	2.0610	.01145	.01067	218.84	1.1094

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00930	-.00213	122.86	.27493	.19096	.58892	402.13
Stddev	.00002	.00121	.99	.00098	.00136	.01286	7.28
%RSD	.25622	56.755	.80327	.35811	.71203	2.1843	1.8101

#1	.00931	-.00127	122.16	.27423	.19192	.59802	396.98
#2	.00928	-.00298	123.55	.27562	.19000	.57983	407.28

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8669	87.180	.31731	-.00101	4.8827	.53099	2.7033
Stddev	.0426	.598	.00127	.00006	.0353	.00306	.0520
%RSD	.87484	.68582	.39905	6.0721	.72237	.57537	1.9245

#1	4.8368	86.757	.31821	-.00105	4.8577	.52883	2.6665
#2	4.8970	87.602	.31642	-.00096	4.9076	.53315	2.7401

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.0657	.01001	.82740	2.6406	2.2659	.09249	4.4321
Stddev	.0995	.00031	.01540	.0142	.0048	.00122	.0174
%RSD	1.2341	3.1050	1.8612	.53654	.21211	1.3222	.39223

#1	7.9953	.01023	.81651	2.6507	2.2693	.09163	4.4198
#2	8.1361	.00979	.83829	2.6306	2.2625	.09336	4.4444

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.15514	6.357	-.14271	<.00000	F<.00000
Stddev	.00156	.051	.00614	.28862	.68479
%RSD	1.0066	.8095	4.3034	2.4996	.68389

#1	.15404	6.393	-.13837	-11.751	-99.648
#2	.15625	6.320	-.14705	-11.342	-100.62



Sample Name: J6010-01 Acquired: 11/21/2018 12:28:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FS-RT3786 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3961.7	55601.	5738.7	95.766	2915.2
Stddev	35.8	280.	26.9	1.646	26.8
%RSD	.90488	.50273	.46922	1.7188	.91868
#1	3936.3	55799.	5757.7	96.930	2896.3
#2	3987.0	55403.	5719.6	94.602	2934.2



Sample Name: J5980-01DUP Acquired: 11/21/2018 12:37:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00543	-.00310	.00679	.00459	-.00174	.96927	.20455
Stddev	.00162	.00025	.00081	.00301	.00023	.00808	.00029
%RSD	29.850	7.9893	11.886	65.653	13.032	.83348	.14017

#1	.00429	-.00327	.00736	.00246	-.00158	.97498	.20475
#2	.00658	-.00292	.00622	.00672	-.00190	.96356	.20435

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00004	162.99	.00261	.00116	.00692	1.2225
Stddev	.00004	.00003	1.30	.00017	.00014	.00012	.0317
%RSD	475.87	90.010	.79944	6.3972	11.728	1.8039	2.5959

#1	.00002	-.00001	162.07	.00249	.00125	.00683	1.2001
#2	-.00004	-.00006	163.91	.00272	.00106	.00700	1.2449

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05546	13.206	.00564	-.00049	113.29	.00369	.06021
Stddev	.00042	.059	.00025	.00039	.24	.00065	.00137
%RSD	.75600	.44381	4.3969	79.693	.20963	17.669	2.2792

#1	.05576	13.165	.00582	-.00076	113.45	.00415	.05924
#2	.05517	13.247	.00547	-.00021	113.12	.00323	.06118

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.261	.00703	.08592	F 20.528	F 13.504	-.00759	.04186
Stddev	.024	.00016	.00263	.101	.064	.00092	.00149
%RSD	.22960	2.3295	3.0629	.49361	.47399	12.190	3.5664

#1	10.278	.00691	.08778	20.600	13.459	-.00824	.04081
#2	10.245	.00714	.08406	20.457	13.550	-.00693	.04292

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01021	.0928	.40163	5.9019	1.4598
Stddev	.00053	.0015	.00216	.1087	.8012
%RSD	5.2316	1.584	.53724	1.8412	54.882

#1	.00983	.0917	.40316	5.9788	.89329
#2	.01059	.0938	.40011	5.8251	2.0263



Sample Name: J5980-01DUP Acquired: 11/21/2018 12:37:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3085.4	43402.	4314.4	98.086	3161.1
Stddev	22.3	638.	4.0	1.859	14.3
%RSD	.72143	1.4693	.09335	1.8953	.45379
#1	3069.6	42952.	4311.6	99.401	3151.0
#2	3101.1	43853.	4317.3	96.772	3171.2



Sample Name: J5980-01 Acquired: 11/21/2018 12:41:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TSDUP Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00700	-.00460	.00540	.00747	-.00234	1.0050	.20846
Stddev	.00273	.00083	.00054	.00339	.00099	.0064	.00227
%RSD	38.981	18.116	9.9351	45.405	42.205	.63253	1.0873

#1	.00893	-.00401	.00502	.00507	-.00164	1.0005	.20686
#2	.00507	-.00519	.00577	.00987	-.00303	1.0095	.21006

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00004	165.68	.00246	.00090	.00687	1.2414
Stddev	.00003	.00005	3.86	.00027	.00009	.00041	.0179
%RSD	234.11	123.21	2.3268	10.978	9.6299	5.9211	1.4398

#1	-.00001	-.00001	162.95	.00265	.00096	.00715	1.2288
#2	.00003	-.00007	168.41	.00227	.00083	.00658	1.2541

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05829	13.527	.00577	-.00012	115.06	.00431	.05996
Stddev	.00068	.183	.00040	.00010	1.80	.00028	.00054
%RSD	1.1735	1.3508	6.9627	82.537	1.5673	6.5119	.90764

#1	.05781	13.397	.00548	-.00005	113.79	.00411	.05958
#2	.05878	13.656	.00605	-.00019	116.34	.00451	.06035

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.404	.00740	.07547	F 20.814	F 13.764	-.00771	.04342
Stddev	.165	.00002	.00512	.116	.277	.00075	.00109
%RSD	1.5861	.32250	6.7789	.55558	2.0159	9.7794	2.5116

#1	10.287	.00738	.07185	20.896	13.567	-.00824	.04419
#2	10.521	.00741	.07909	20.732	13.960	-.00717	.04265

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01129	.0945	.40914	6.5184	1.4424
Stddev	.00205	.0001	.00606	.1099	.4378
%RSD	18.165	.1034	1.4812	1.6855	30.353

#1	.00984	.0944	.40486	6.4407	1.1329
#2	.01274	.0945	.41343	6.5961	1.7520



Sample Name: J5980-01 Acquired: 11/21/2018 12:41:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TSDUP Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3062.1	42093.	4282.3	98.750	3136.8
Stddev	32.6	173.	56.0	.844	32.6
%RSD	1.0647	.41087	1.3074	.85441	1.0388
#1	3039.1	42216.	4321.9	99.346	3113.8
#2	3085.2	41971.	4242.7	98.153	3159.9



Sample Name: J5980-01LX5 Acquired: 11/21/2018 12:45:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00248	-.00160	.00062	.00186	-.00183	.34211	.04209	.00004
Stddev	.00006	.00081	.00013	.00036	.00079	.00350	.00018	.00009
%RSD	2.3160	50.528	20.987	19.109	43.268	1.0242	.43635	217.60

#1	.00244	-.00103	.00053	.00161	-.00239	.34459	.04222	.00010
#2	.00252	-.00217	.00072	.00211	-.00127	.33963	.04196	-.00002

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	33.110	.00079	.00022	.00117	.27918	.01167	2.7210
Stddev	.00000	.051	.00014	.00009	.00055	.00778	.00002	.0886
%RSD	16.624	.15477	17.725	41.148	46.740	2.7859	.20929	3.2574

#1	.00002	33.147	.00069	.00016	.00078	.27368	.01169	2.6583
#2	.00003	33.074	.00088	.00029	.00156	.28468	.01165	2.7837

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00129	-.00008	22.493	.00066	.01137	2.1232	.00126	.01244
Stddev	.00015	.00015	.003	.00017	.00034	.0369	.00013	.00535
%RSD	11.778	184.49	.01189	26.193	3.0118	1.7356	10.162	42.983

#1	.00118	.00002	22.492	.00054	.01161	2.0971	.00136	.01622
#2	.00140	-.00019	22.495	.00078	.01113	2.1492	.00117	.00866

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.9059	3.2613	-.00195	.01645	.00191	.0165	.08142	3.0726
Stddev	.1001	.0256	.00065	.00483	.00057	.0002	.00003	.1709
%RSD	2.5626	.78492	33.455	29.377	29.983	1.395	.03752	5.5631

#1	3.9766	3.2432	-.00241	.01986	.00232	.0166	.08144	3.1935
#2	3.8351	3.2794	-.00149	.01303	.00151	.0163	.08140	2.9517

Elem	U_3859
Units	ppm
Avg	.11576
Stddev	.69612
%RSD	601.34

#1	-.37647
#2	.60799



Sample Name: J5980-01LX5 Acquired: 11/21/2018 12:45:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3302.0	45731.	4440.1	103.50	3510.7
Stddev	68.7	96.	19.4	1.05	71.1
%RSD	2.0803	.21039	.43636	1.0184	2.0246
#1	3253.5	45663.	4426.4	102.75	3460.5
#2	3350.6	45799.	4453.8	104.25	3561.0



Sample Name: J5980-01MS Acquired: 11/21/2018 12:49:04 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TSMS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.76071	1.7223	.88853	1.8672	.78392	3.2295	.40615
Stddev	.00624	.0130	.00935	.0111	.00465	.0239	.00101
%RSD	.82047	.75468	1.0523	.59479	.59282	.73898	.24820

#1	.76512	1.7315	.89514	1.8750	.78720	3.2126	.40543
#2	.75630	1.7131	.88192	1.8593	.78063	3.2464	.40686

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18824	.17397	169.76	.36461	.18257	.28650	4.0177
Stddev	.00062	.00081	.46	.00083	.00149	.00102	.0135
%RSD	.33066	.46284	.27181	.22875	.81453	.35575	.33535

#1	.18780	.17453	169.43	.36402	.18362	.28722	4.0082
#2	.18868	.17340	170.09	.36520	.18152	.28578	4.0272

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24855	15.339	.44900	.06408	118.98	.28347	.24577
Stddev	.00004	.008	.00250	.00019	.04	.00119	.00110
%RSD	.01758	.05254	.55663	.29423	.03465	.41929	.44862

#1	.24858	15.345	.45076	.06421	119.01	.28263	.24655
#2	.24852	15.333	.44723	.06395	118.95	.28431	.24499

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.796	.40200	.35648	F 20.869	F 14.988	.62955	.24058
Stddev	.036	.00178	.00365	.140	.005	.00737	.00020
%RSD	.18352	.44241	1.0232	.67260	.03425	1.1705	.08212

#1	19.771	.40326	.35906	20.968	14.985	.63476	.24072
#2	19.822	.40075	.35390	20.770	14.992	.62434	.24044

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20891	5.507	.59533	6.1814	.76998
Stddev	.00144	.033	.00085	.0643	1.0336
%RSD	.69003	.5968	.14226	1.0407	134.24

#1	.20993	5.530	.59593	6.2269	1.5009
#2	.20789	5.484	.59473	6.1359	.03909



Sample Name: J5980-01MS Acquired: 11/21/2018 12:49:04 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TSMS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3068.3	42992.	4315.8	99.444	3139.1
Stddev	8.4	141.	23.2	.178	11.8
%RSD	.27525	.32754	.53775	.17879	.37535
#1	3062.3	42892.	4299.4	99.318	3130.7
#2	3074.3	43091.	4332.2	99.570	3147.4



Sample Name: CCV02 Acquired: 11/21/2018 12:52:53 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.1851	5.0437	5.1038	5.2177	5.3005	10.392	9.8295
Stddev	.0804	.0813	.0778	.0806	.0776	.054	.5101
%RSD	1.5500	1.6122	1.5247	1.5444	1.4635	.52169	5.1898

#1	5.1283	4.9862	5.0487	5.1607	5.2457	10.430	10.190
#2	5.2420	5.1012	5.1588	5.2746	5.3554	10.353	9.4688

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24842	2.4861	25.448	.93799	2.5187	1.2917	4.6742
Stddev	.00079	.0409	1.144	.00427	.0403	.0188	.2629
%RSD	.31937	1.6445	4.4946	.45509	1.5983	1.4567	5.6236

#1	.24786	2.4571	26.257	.93497	2.4902	1.2784	4.8601
#2	.24898	2.5150	24.639	.94100	2.5471	1.3050	4.4883

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5049	23.099	2.4714	1.2021	23.235	2.3811	2.4437
Stddev	.0024	1.175	.0384	.0013	1.192	.0055	.1189
%RSD	.09682	5.0852	1.5537	.11137	5.1314	.23009	4.8648

#1	2.5032	23.930	2.4442	1.2030	24.078	2.3850	2.5277
#2	2.5067	22.269	2.4985	1.2012	22.392	2.3772	2.3596

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.413	5.0709	4.8067	4.9468	4.8099	4.9680	4.7994
Stddev	1.099	.0708	.2049	.0838	.2263	.0794	.2349
%RSD	4.6927	1.3965	4.2618	1.6938	4.7047	1.5989	4.8948

#1	24.190	5.0208	4.9516	4.8876	4.9699	4.9119	4.9655
#2	22.636	5.1209	4.6619	5.0061	4.6499	5.0242	4.6332

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.8722	5.001	4.8018	F 3.2806	F 2.2950
Stddev	.2472	.078	.2487	.3680	.2391
%RSD	5.0736	1.559	5.1798	11.217	10.417

#1	5.0470	4.946	4.9777	3.5408	2.4640
#2	4.6974	5.056	4.6260	3.0204	2.1259



Sample Name: CCV02 Acquired: 11/21/2018 12:52:53 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3148.3	45140.	4585.8	103.92	3164.8
Stddev	31.8	137.	204.7	5.47	37.7
%RSD	1.0106	.30368	4.4647	5.2678	1.1902
#1	3170.8	45043.	4441.1	100.05	3191.4
#2	3125.8	45237.	4730.6	107.79	3138.2



Sample Name: CCB02 Acquired: 11/21/2018 12:56:39 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00077	.00003	.00005	-.00000	.00116	-.00054
Stddev	.00106	.00140	.00139	.00141	.00154	.00005	.00060
%RSD	523.18	182.73	4105.6	2794.7	219350.	4.6885	112.26

#1	-.00055	-.00022	-.00095	-.00094	.00109	.00112	-.00096
#2	.00096	.00175	.00102	.00104	-.00109	.00120	-.00011

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00008	-.00686	.00001	.00000	-.00016	-.00509
Stddev	.00003	.00005	.02893	.00034	.00002	.00035	.00059
%RSD	139.37	60.334	421.64	2448.8	5112.1	222.78	11.677

#1	.00000	.00011	.01360	.00026	.00001	-.00040	-.00551
#2	.00005	.00005	-.02732	-.00023	-.00001	.00009	-.00467

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	-.00497	.00018	-.00016	.00420	-.00028	-.00137
Stddev	.00002	.01161	.00015	.00019	.00844	.00041	.00006
%RSD	28.254	233.53	83.192	122.87	200.97	148.66	4.4313

#1	-.00006	-.01318	.00007	-.00029	-.00177	-.00057	-.00141
#2	-.00009	.00324	.00028	-.00002	.01016	.00001	-.00132

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04700	.00036	.00070	-.00179	.00410	-.00095	.00044
Stddev	.00016	.00005	.00001	.00017	.00210	.00010	.00165
%RSD	.34373	14.048	1.1208	9.7286	51.167	10.318	376.78

#1	.04688	.00033	.00069	-.00166	.00558	-.00102	.00160
#2	.04711	.00040	.00070	-.00191	.00261	-.00088	-.00073

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00296	-.0024	-.00008	F 1.6308	F<.00000
Stddev	.00134	.0001	.00012	.2717	.20173
%RSD	45.136	3.517	150.13	16.659	81.300

#1	-.00391	-.0023	.00000	1.4387	-.10549
#2	-.00202	-.0024	-.00016	1.8229	-.39078



Sample Name: CCB02 Acquired: 11/21/2018 12:56:39 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3318.8	47222.	4536.2	108.32	3613.7
Stddev	25.5	292.	20.3	.85	33.8
%RSD	.76840	.61856	.44745	.78928	.93522
#1	3336.9	47428.	4550.6	107.72	3637.6
#2	3300.8	47015.	4521.9	108.93	3589.8



Sample Name: J5980-01MSD Acquired: 11/21/2018 13:00:44 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TSMSD Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.76319	1.7400	.89451	1.8725	.79177	3.1763	.41014
Stddev	.00042	.0046	.00081	.0059	.00088	.0766	.00292
%RSD	.05504	.26556	.09106	.31566	.11145	2.4099	.71105

#1	.76289	1.7367	.89394	1.8767	.79239	3.2305	.41220
#2	.76349	1.7433	.89509	1.8684	.79115	3.1222	.40807

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18578	.17509	171.93	.35858	.18395	.28814	3.9637
Stddev	.00465	.00013	1.73	.00895	.00010	.00071	.0515
%RSD	2.5013	.07667	1.0060	2.4957	.05303	.24743	1.2990

#1	.18907	.17500	173.16	.36491	.18388	.28864	4.0001
#2	.18250	.17519	170.71	.35225	.18402	.28764	3.9273

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24391	15.387	.45198	.06354	120.40	.27801	.24283
Stddev	.00513	.083	.00048	.00013	1.39	.00704	.00343
%RSD	2.1046	.54262	.10695	.21171	1.1517	2.5313	1.4112

#1	.24754	15.446	.45163	.06364	121.38	.28298	.24526
#2	.24028	15.328	.45232	.06345	119.42	.27303	.24041

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.978	.40393	.36172	F 21.069	F 14.984	.63202	.24167
Stddev	.237	.00032	.00695	.026	.192	.00382	.00408
%RSD	1.1843	.08022	1.9224	.12379	1.2793	.60471	1.6891

#1	20.145	.40370	.36664	21.088	15.119	.62932	.24456
#2	19.811	.40416	.35681	21.051	14.848	.63472	.23879

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20792	5.561	.59959	5.8336	.89548
Stddev	.00123	.001	.00750	.1932	.13537
%RSD	.59261	.0242	1.2509	3.3114	15.117

#1	.20705	5.562	.60490	5.9702	.99120
#2	.20879	5.560	.59429	5.6970	.79976



Sample Name: J5980-01MSD Acquired: 11/21/2018 13:00:44 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TSMSD Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3052.2	43879.	4290.9	100.72	3117.5
Stddev	15.0	869.	61.9	1.92	14.4
%RSD	.49254	1.9806	1.4432	1.9090	.46255
#1	3041.6	43265.	4247.2	99.363	3107.3
#2	3062.9	44494.	4334.7	102.08	3127.7



Sample Name: J5980-01A Acquired: 11/21/2018 13:04:33 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.69796	1.6216	.83290	1.6937	.72403	3.0354	.38660
Stddev	.01951	.0285	.01842	.0403	.01688	.0661	.02027
%RSD	2.7954	1.7567	2.2121	2.3794	2.3310	2.1766	5.2428
#1	.71176	1.6417	.84593	1.7222	.73596	3.0822	.40093
#2	.68416	1.6015	.81988	1.6652	.71209	2.9887	.37227

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17691	.16343	160.82	.34471	.17164	.26498	3.8054
Stddev	.00232	.00305	5.76	.00448	.00449	.00603	.1142
%RSD	1.3087	1.8636	3.5786	1.3000	2.6146	2.2740	3.0017
#1	.17527	.16559	164.89	.34155	.17481	.26924	3.8862
#2	.17855	.16128	156.75	.34788	.16847	.26072	3.7247

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23568	14.581	.42062	.06076	113.29	.26711	.23208
Stddev	.00331	.557	.00904	.00028	5.06	.00487	.00028
%RSD	1.4049	3.8206	2.1485	.45837	4.4672	1.8218	.12040
#1	.23334	14.975	.42701	.06056	116.87	.26366	.23188
#2	.23803	14.187	.41423	.06095	109.71	.27055	.23228

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.742	.37623	.34457	F 19.178	F 14.042	.59197	.22521
Stddev	.820	.00783	.00975	.477	.028	.01368	.00865
%RSD	4.3769	2.0809	2.8295	2.4878	.19765	2.3114	3.8426
#1	19.322	.38177	.35147	19.515	14.023	.60164	.23133
#2	18.162	.37070	.33768	18.840	14.062	.58229	.21909

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19639	5.093	.56597	5.7388	.71557
Stddev	.01047	.116	.02916	.4456	.64500
%RSD	5.3291	2.268	5.1514	7.7655	90.138
#1	.20379	5.175	.58659	5.4237	1.1717
#2	.18899	5.011	.54536	6.0539	.25949



Sample Name: J5980-01A Acquired: 11/21/2018 13:04:33 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3234.1	44590.	4435.1	102.64	3289.4
Stddev	62.4	302.	29.3	.15	69.2
%RSD	1.9299	.67779	.65950	.15089	2.1024
#1	3189.9	44804.	4414.4	102.75	3240.5
#2	3278.2	44377.	4455.8	102.53	3338.3



Sample Name: J5981-05DLX10 Acquired: 11/21/2018 13:08:24 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03231	-.00244	.06238	-.01601	.01417	.19116	.03387
Stddev	.00312	.00076	.00020	.00026	.00087	.00035	.00053
%RSD	9.6426	31.299	.31301	1.6427	6.1529	.18204	1.5625

#1	.03451	-.00190	.06252	-.01620	.01479	.19092	.03349
#2	.03011	-.00298	.06224	-.01583	.01355	.19141	.03424

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	-.00319	.06198	.12967	.01511	.74877	149.27
Stddev	.00001	.00018	.00041	.00041	.00009	.00943	.97
%RSD	1.2321	5.6948	.66923	.31273	.61714	1.2588	.64818

#1	.00051	-.00332	.06227	.12995	.01504	.74211	148.59
#2	.00052	-.00306	.06168	.12938	.01518	.75544	149.96

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07631	.03190	.12791	-.00693	.14730	.08064	.21714
Stddev	.00011	.03622	.00213	.00052	.00716	.00086	.00134
%RSD	.15022	113.54	1.6664	7.4726	4.8633	1.0622	.61717

#1	.07623	.00629	.12640	-.00730	.14223	.08125	.21619
#2	.07640	.05752	.12941	-.00656	.15237	.08004	.21808

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.44394	.02532	-.05978	F 296.77	.48255	-.02208	.42538
Stddev	.00084	.00044	.00213	2.28	.00120	.00111	.00100
%RSD	.18953	1.7193	3.5627	.76850	.24840	5.0373	.23595

#1	.44334	.02501	-.06129	295.16	.48340	-.02129	.42609
#2	.44453	.02563	-.05828	298.38	.48171	-.02287	.42467

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00212	.0793	-.16003	<.00000	F<.00000
Stddev	.00137	.0015	.00104	.25596	.20317
%RSD	64.625	1.924	.64794	4.1606	1.2173

#1	-.00308	.0782	-.15930	-5.9710	-16.547
#2	-.00115	.0804	-.16076	-6.3330	-16.834



Sample Name: J5981-05DLX10 Acquired: 11/21/2018 13:08:24 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3411.8	48641.	4575.6	107.02	3644.8
Stddev	26.4	20.	7.4	.59	16.1
%RSD	.77480	.04130	.16117	.54908	.44281
#1	3430.5	48655.	4570.4	107.43	3656.2
#2	3393.1	48626.	4580.8	106.60	3633.4



Sample Name: PB114968BL Acquired: 11/21/2018 13:12:24 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB114968BL Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00021	-.00011	-.00145	.00137	-.00024	.01062	-.00002
Stddev	.00037	.00161	.00100	.00045	.00060	.02396	.00078
%RSD	179.68	1520.1	68.499	32.730	252.71	225.55	3776.0

#1	.00006	.00103	-.00075	.00169	.00019	.02757	.00053
#2	-.00047	-.00124	-.00216	.00106	-.00067	-.00632	-.00057

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00006	-.00738	.00012	.00019	.00028	.00238
Stddev	.00003	.00002	.00787	.00003	.00006	.00026	.00239
%RSD	51.561	29.464	106.65	29.597	31.626	91.832	100.52

#1	.00004	.00007	-.01295	.00014	.00023	.00046	.00407
#2	.00009	.00004	-.00182	.00009	.00014	.00010	.00069

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	-.01724	.00033	.00016	-.02630	-.00009	-.00142
Stddev	.00001	.00931	.00020	.00028	.00301	.00007	.00013
%RSD	7.9411	54.039	61.434	176.99	11.434	78.884	8.9986

#1	-.00011	-.01065	.00047	.00036	-.02417	-.00014	-.00133
#2	-.00012	-.02382	.00018	-.00004	-.02842	-.00004	-.00151

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00336	-.00024	-.00048	F .02419	.00307	-.00116	.00200
Stddev	.01022	.00008	.00185	.00449	.00096	.00012	.00174
%RSD	304.18	32.455	384.18	18.581	31.164	10.738	86.781

#1	.01059	-.00030	-.00179	.02737	.00374	-.00107	.00077
#2	-.00387	-.00019	.00083	.02101	.00239	-.00125	.00323

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00380	-.0016	-.00010	F 1.3330	F .33426
Stddev	.00029	.0011	.00005	.3610	.11807
%RSD	7.5812	65.12	47.235	27.082	35.323

#1	-.00400	-.0024	-.00007	1.5883	.41775
#2	-.00359	-.0009	-.00013	1.0778	.25077



Sample Name: PB114968BL Acquired: 11/21/2018 13:12:24 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB114968BL Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3525.3	49187.	4520.2	105.97	3862.5
Stddev	34.3	682.	128.0	3.86	25.8
%RSD	.97274	1.3870	2.8322	3.6397	.66700
#1	3501.0	48704.	4429.7	103.24	3844.2
#2	3549.5	49669.	4610.7	108.70	3880.7



Sample Name: PB114968BS Acquired: 11/21/2018 13:16:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB114968BS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.75960	1.9059	.94681	1.9460	.79694	1.9440	.20458
Stddev	.00916	.0030	.00421	.0206	.00461	.0441	.00098
%RSD	1.2058	.15548	.44490	1.0596	.57811	2.2706	.47962

#1	.76607	1.9080	.94979	1.9605	.80020	1.9752	.20389
#2	.75312	1.9038	.94383	1.9314	.79368	1.9128	.20528

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19170	.18230	1.0460	.36812	.18939	.30789	2.8268
Stddev	.00272	.00057	.0104	.00495	.00060	.00212	.0604
%RSD	1.4195	.31299	.99389	1.3436	.31595	.68873	2.1367

#1	.19363	.18270	1.0386	.37162	.18981	.30939	2.8695
#2	.18978	.18189	1.0533	.36462	.18897	.30639	2.7841

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21075	1.8908	.46566	.06769	2.8508	.27546	.20121
Stddev	.00344	.0723	.00070	.00022	.0176	.00420	.00304
%RSD	1.6309	3.8226	.15085	.31950	.61925	1.5255	1.5107

#1	.21318	1.9419	.46615	.06754	2.8632	.27844	.20336
#2	.20832	1.8397	.46516	.06785	2.8383	.27249	.19906

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.4221	.39686	.29685	F .01069	.91981	.63944	.19652
Stddev	.0636	.00300	.00300	.00280	.00578	.00206	.00218
%RSD	.67484	.75658	1.0106	26.207	.62791	.32174	1.1075

#1	9.4671	.39899	.29897	.01267	.91573	.64089	.19498
#2	9.3772	.39474	.29473	.00871	.92390	.63798	.19806

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19471	5.145	.19298	.95099	F<.00000
Stddev	.00066	.009	.00046	.18802	.25473
%RSD	.34127	.1659	.23942	19.771	22.230

#1	.19518	5.151	.19331	1.0839	-.96579
#2	.19424	5.139	.19265	.81804	-1.3260



Sample Name: PB114968BS Acquired: 11/21/2018 13:16:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB114968BS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3426.8	48829.	4549.6	107.79	3691.9
Stddev	26.9	746.	9.4	1.51	6.2
%RSD	.78408	1.5280	.20565	1.4000	.16850
#1	3407.8	48301.	4556.3	106.72	3687.5
#2	3445.8	49356.	4543.0	108.86	3696.3



Sample Name: PB114971BL Acquired: 11/21/2018 13:20:21 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PBW Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	-.00023	-.00235	-.00327	-.00077	.01019	-.00011
Stddev	.00149	.00083	.00011	.00165	.00231	.00156	.00011
%RSD	2004.3	366.33	4.8437	50.493	300.31	15.335	96.773

#1	.00098	-.00081	-.00244	-.00444	-.00241	.00908	-.00019
#2	-.00113	.00036	-.00227	-.00210	.00087	.01129	-.00003

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	.00004	.00203	.00012	.00013	-.00008	.00078
Stddev	.00007	.00008	.00508	.00025	.00018	.00031	.01449
%RSD	1464.1	206.16	250.59	202.23	136.81	374.81	1865.5

#1	.00004	.00009	-.00157	.00030	.00000	-.00030	-.00947
#2	-.00005	-.00002	.00562	-.00005	.00026	.00014	.01103

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	-.02221	.00050	-.00008	-.04855	-.00015	-.00158
Stddev	.00004	.05341	.00043	.00009	.00074	.00013	.00000
%RSD	30.576	240.48	84.328	120.64	1.5186	85.706	.14642

#1	-.00010	-.05997	.00020	-.00001	-.04908	-.00006	-.00158
#2	-.00015	.01556	.00080	-.00014	-.04803	-.00024	-.00158

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00059	-.00024	-.01025	.00125	.00331	-.00142	.00094
Stddev	.00844	.00004	.00050	.00111	.00005	.00004	.00175
%RSD	1429.8	16.487	4.8951	89.004	1.6199	2.7741	186.12

#1	.00538	-.00022	-.00989	.00203	.00327	-.00139	-.00030
#2	-.00656	-.00027	-.01060	.00046	.00334	-.00145	.00218

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00384	-.0027	-.00008	F 1.3688	F .14314
Stddev	.00096	.0009	.00006	.0676	.00616
%RSD	25.041	34.68	71.460	4.9366	4.3065

#1	-.00316	-.0020	-.00004	1.3210	.14750
#2	-.00452	-.0034	-.00012	1.4166	.13878



Sample Name: PB114971BL Acquired: 11/21/2018 13:20:21 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PBW Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3427.2	48804.	4512.5	104.40	3758.8
Stddev	6.3	315.	8.9	.28	.0
%RSD	.18521	.64563	.19773	.27091	.00079
#1	3422.7	48582.	4518.8	104.60	3758.8
#2	3431.6	49027.	4506.2	104.20	3758.8



Sample Name: PB114971BS Acquired: 11/21/2018 13:24:24 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LCSW Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.75481	1.8867	.93893	1.9387	.78997	1.9149	.19982
Stddev	.00212	.0085	.00210	.0144	.00006	.0014	.00196
%RSD	.28068	.44959	.22401	.74102	.00819	.07336	.98180

#1	.75331	1.8807	.93745	1.9285	.79002	1.9159	.19843
#2	.75631	1.8927	.94042	1.9488	.78993	1.9139	.20121

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18812	.18080	1.0231	.36274	.18853	.30748	2.7638
Stddev	.00184	.00058	.0072	.00225	.00041	.00122	.0204
%RSD	.97968	.32164	.69893	.62162	.21689	.39697	.73693

#1	.18943	.18039	1.0181	.36433	.18824	.30661	2.7494
#2	.18682	.18121	1.0282	.36114	.18882	.30834	2.7782

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20272	1.8837	.46104	.06636	2.7792	.27220	.19625
Stddev	.00215	.0247	.00055	.00122	.0208	.00288	.00051
%RSD	1.0629	1.3109	.11989	1.8337	.74925	1.0573	.26061

#1	.20424	1.9012	.46065	.06722	2.7645	.27424	.19588
#2	.20120	1.8663	.46143	.06550	2.7940	.27017	.19661

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.1706	.39345	.28436	F .00001	.90010	.63281	.19018
Stddev	.0663	.00152	.00002	.00223	.00024	.00307	.00144
%RSD	.72268	.38565	.00591	18631.	.02621	.48583	.75929

#1	9.1238	.39238	.28437	-.00157	.90027	.63063	.18916
#2	9.2175	.39452	.28435	.00159	.89993	.63498	.19121

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19084	5.108	.18882	F 1.2020	F<.00000
Stddev	.00002	.006	.00137	.1023	.07272
%RSD	.01100	.1219	.72604	8.5089	7.6071

#1	.19086	5.103	.18785	1.2743	-1.0074
#2	.19083	5.112	.18979	1.1297	-.90457



Sample Name: PB114971BS Acquired: 11/21/2018 13:24:24 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LCSW Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3382.2	48848.	4583.7	108.74	3651.1
Stddev	8.1	576.	6.6	.24	7.3
%RSD	.23803	1.1796	.14410	.21873	.20066
#1	3387.9	48441.	4588.4	108.91	3656.3
#2	3376.5	49256.	4579.0	108.57	3645.9



Sample Name: PB114984BL Acquired: 11/21/2018 13:28:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB114984BL Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00029	.00001	-.00247	.00060	-.00078	.01162	-.00039
Stddev	.00018	.00000	.00056	.00036	.00079	.00586	.00081
%RSD	61.405	16.024	22.837	60.024	101.60	50.436	210.05

#1	-.00016	.00001	-.00207	.00034	-.00022	.01577	-.00096
#2	-.00041	.00001	-.00287	.00085	-.00134	.00748	.00019

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.00002	.00424	.00011	.00015	-.00030	-.01223
Stddev	.00002	.00001	.03186	.00001	.00009	.00010	.00418
%RSD	48.579	32.936	751.92	5.2853	59.160	31.678	34.149

#1	.00006	-.00002	-.01829	.00010	.00009	-.00037	-.00928
#2	.00003	-.00003	.02677	.00011	.00022	-.00023	-.01519

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	-.01321	.00063	-.00034	-.06873	.00009	-.00151
Stddev	.00002	.02936	.00005	.00042	.00174	.00001	.00007
%RSD	18.569	222.32	7.7658	124.75	2.5366	15.639	4.3162

#1	-.00013	.00755	.00066	-.00004	-.06996	.00008	-.00146
#2	-.00010	-.03397	.00059	-.00063	-.06750	.00009	-.00155

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.03927	-.00015	.00469	-.00213	.00216	-.00131	.00016
Stddev	.01415	.00005	.00219	.00315	.00027	.00013	.00134
%RSD	36.020	35.481	46.763	147.78	12.667	9.9198	828.41

#1	-.04927	-.00019	.00314	-.00436	.00236	-.00140	.00111
#2	-.02927	-.00012	.00624	.00010	.00197	-.00121	-.00079

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00577	-.0012	-.00008	F 1.6132	F<.00000
Stddev	.00050	.0003	.00004	.2004	.21396
%RSD	8.5971	22.22	51.313	12.419	89.065

#1	-.00541	-.0010	-.00011	1.4715	-.39151
#2	-.00612	-.0014	-.00005	1.7549	-.08894



Sample Name: PB114984BL Acquired: 11/21/2018 13:28:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB114984BL Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3376.8	47585.	4501.0	104.65	3709.2
Stddev	15.0	318.	25.6	1.39	11.8
%RSD	.44431	.66882	.56828	1.3237	.31904
#1	3387.4	47810.	4482.9	103.67	3717.6
#2	3366.2	47360.	4519.1	105.63	3700.9



Sample Name: PB114984BS Acquired: 11/21/2018 13:32:17 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB114984BS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.77896	1.9314	.96734	1.9875	.80979	1.9800	.20349
Stddev	.01796	.0382	.01925	.0490	.01760	.0072	.00255
%RSD	2.3057	1.9794	1.9900	2.4631	2.1740	.36244	1.2507

#1	.76626	1.9044	.95373	1.9529	.79734	1.9851	.20529
#2	.79166	1.9585	.98095	2.0221	.82224	1.9750	.20169

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19464	.18605	1.0496	.37210	.19460	.31448	2.8627
Stddev	.00031	.00308	.0352	.00047	.00322	.00658	.0788
%RSD	.15883	1.6566	3.3546	.12604	1.6525	2.0932	2.7517

#1	.19486	.18387	1.0745	.37177	.19232	.30983	2.9184
#2	.19442	.18823	1.0247	.37243	.19687	.31914	2.8070

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20784	1.8921	.47397	.06819	2.7933	.27835	.20561
Stddev	.00121	.0099	.01038	.00021	.0357	.00053	.00560
%RSD	.58415	.52335	2.1892	.31525	1.2780	.18994	2.7255

#1	.20870	1.8851	.46663	.06834	2.8185	.27873	.20957
#2	.20698	1.8991	.48131	.06804	2.7681	.27798	.20165

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.2699	.39606	.28406	F -.00607	.89274	.64095	.19074
Stddev	.1559	.00924	.00566	.00047	.01779	.01320	.00201
%RSD	1.6816	2.3342	1.9911	7.7564	1.9930	2.0599	1.0545

#1	9.3801	.38953	.28006	-.00640	.90532	.63161	.19216
#2	9.1596	.40260	.28806	-.00573	.88016	.65028	.18932

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19480	5.240	.19218	F 1.6395	F<.00000
Stddev	.00294	.107	.00277	.0967	.42191
%RSD	1.5078	2.044	1.4411	5.8976	29.791

#1	.19688	5.164	.19414	1.7079	-1.1179
#2	.19272	5.315	.19022	1.5712	-1.7146



Sample Name: PB114984BS Acquired: 11/21/2018 13:32:17 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB114984BS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3300.7	47327.	4512.2	104.23	3562.6
Stddev	63.4	399.	89.4	3.41	51.4
%RSD	1.9215	.84341	1.9817	3.2688	1.4421
#1	3345.5	47045.	4449.0	101.82	3598.9
#2	3255.8	47609.	4575.5	106.64	3526.2



Sample Name: PB114985BL Acquired: 11/21/2018 13:36:07 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00004	-.00223	-.00055	-.00074	.00144	-.00041
Stddev	.00155	.00042	.00030	.00048	.00006	.00676	.00007
%RSD	369.83	1003.5	13.403	87.077	8.3203	470.66	17.756

#1	.00152	-.00026	-.00244	-.00090	-.00069	.00622	-.00036
#2	-.00068	.00034	-.00202	-.00021	-.00078	-.00334	-.00047

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00003	-.01672	.00019	-.00005	-.00021	-.00059
Stddev	.00005	.00002	.00483	.00004	.00021	.00009	.01412
%RSD	406.27	88.771	28.911	21.320	390.57	43.238	2399.8

#1	-.00004	.00004	-.02013	.00016	-.00021	-.00015	-.01058
#2	.00002	.00001	-.01330	.00021	.00010	-.00028	.00940

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	-.02008	.00040	-.00031	-.09153	.00027	-.00162
Stddev	.00004	.00014	.00069	.00060	.00726	.00005	.00011
%RSD	36.903	.70561	173.57	193.72	7.9351	16.888	7.0648

#1	-.00015	-.02018	-.00009	.00011	-.08640	.00023	-.00154
#2	-.00009	-.01998	.00089	-.00073	-.09667	.00030	-.00170

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.03008	.00002	.00098	-.00108	.00139	-.00203	.00013
Stddev	.00362	.00000	.00529	.00143	.00044	.00028	.00102
%RSD	12.047	14.320	541.60	132.58	31.679	13.678	801.59

#1	-.03264	.00002	.00472	-.00007	.00108	-.00223	.00085
#2	-.02751	.00002	-.00276	-.00210	.00170	-.00183	-.00059

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00567	-.0017	-.00009	F 1.5698	F<.00000
Stddev	.00129	.0007	.00009	.2399	.50219
%RSD	22.678	43.45	103.80	15.280	230.43

#1	-.00658	-.0022	-.00015	1.7394	.13717
#2	-.00476	-.0012	-.00002	1.4002	-.57304



Sample Name: PB114985BL Acquired: 11/21/2018 13:36:07 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3324.5	48294.	4529.0	106.37	3685.7
Stddev	157.7	187.	2.0	1.40	166.4
%RSD	4.7429	.38687	.04393	1.3159	4.5136
#1	3213.0	48162.	4530.4	107.36	3568.1
#2	3436.0	48426.	4527.6	105.38	3803.3



Sample Name: CCV03 Acquired: 11/21/2018 13:40:12 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9986	4.7953	4.9498	4.9887	5.1237	10.207	9.8376
Stddev	.0939	.0673	.0729	.0844	.1048	.676	.0050
%RSD	1.8776	1.4028	1.4725	1.6921	2.0460	6.6249	.05093

#1	5.0650	4.8429	5.0013	5.0484	5.1978	9.7290	9.8411
#2	4.9322	4.7478	4.8983	4.9290	5.0496	10.685	9.8340

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24616	2.3827	25.443	.91353	2.4274	1.2307	4.5848
Stddev	.01589	.0381	.042	.05845	.0377	.0204	.0125
%RSD	6.4565	1.5987	.16690	6.3979	1.5540	1.6531	.27234

#1	.23492	2.4096	25.413	.87220	2.4541	1.2451	4.5759
#2	.25740	2.3558	25.473	.95485	2.4007	1.2163	4.5936

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4844	23.092	2.3474	1.1831	22.970	2.3079	2.4596
Stddev	.1585	.066	.0357	.0729	.026	.1440	.0013
%RSD	6.3790	.28672	1.5192	6.1655	.11521	6.2393	.05098

#1	2.3723	23.139	2.3726	1.1315	22.951	2.2060	2.4604
#2	2.5964	23.045	2.3221	1.2346	22.988	2.4097	2.4587

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.798	4.7988	4.7505	4.6167	4.7234	4.7704	4.8052
Stddev	.007	.0868	.0071	.0705	.0398	.0684	.0042
%RSD	.02921	1.8092	.14973	1.5278	.84311	1.4342	.08735

#1	22.802	4.8602	4.7556	4.6666	4.6953	4.8188	4.8022
#2	22.793	4.7374	4.7455	4.5669	4.7516	4.7220	4.8082

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.8465	4.731	4.7716	F 3.6138	F 2.4745
Stddev	.0005	.073	.0005	.5602	.2258
%RSD	.01101	1.544	.01091	15.502	9.1230

#1	4.8461	4.782	4.7720	3.2177	2.3149
#2	4.8469	4.679	4.7712	4.0099	2.6342



Sample Name: CCV03 Acquired: 11/21/2018 13:40:12 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3176.3	44629.	4448.0	101.26	3216.2
Stddev	50.0	2287.	31.9	.13	45.6
%RSD	1.5740	5.1254	.71806	.12359	1.4189
#1	3140.9	46246.	4425.4	101.35	3183.9
#2	3211.7	43011.	4470.6	101.17	3248.4



Sample Name: CCB03 Acquired: 11/21/2018 13:43:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00036	.00026	-.00248	-.00095	.00004	.00269	-.00068
Stddev	.00089	.00103	.00035	.00009	.00022	.00341	.00116
%RSD	248.74	394.18	14.227	9.0008	502.39	127.11	171.03

#1	.00027	-.00047	-.00272	-.00101	-.00011	.00027	-.00150
#2	-.00098	.00099	-.00223	-.00089	.00020	.00510	.00014

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00011	-.01605	.00007	.00005	-.00042	-.00061
Stddev	.00006	.00002	.00009	.00029	.00012	.00019	.00762
%RSD	293.67	17.007	.56719	402.88	217.96	45.166	1252.2

#1	-.00002	.00012	-.01599	.00028	-.00003	-.00055	.00478
#2	.00006	.00009	-.01612	-.00013	.00014	-.00028	-.00600

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.00972	.00047	-.00011	-.07523	-.00010	-.00158
Stddev	.00001	.01873	.00037	.00076	.00841	.00006	.00000
%RSD	10.437	192.62	78.258	693.50	11.176	65.039	.20863

#1	-.00010	.02297	.00021	.00043	-.08118	-.00014	-.00158
#2	-.00009	-.00352	.00073	-.00065	-.06929	-.00005	-.00158

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.03059	-.00007	.00697	-.00401	.00296	-.00128	.00043
Stddev	.01366	.00017	.00052	.00329	.00045	.00060	.00037
%RSD	44.653	240.80	7.4892	82.026	15.116	46.724	86.457

#1	-.02093	-.00019	.00734	-.00168	.00328	-.00085	.00017
#2	-.04025	.00005	.00660	-.00633	.00264	-.00170	.00070

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00552	-.0032	-.00004	F 1.1805	F<.00000
Stddev	.00151	.0006	.00003	.2424	.65118
%RSD	27.448	19.10	62.100	20.533	271.83

#1	-.00445	-.0028	-.00002	1.3519	-.70000
#2	-.00659	-.0036	-.00006	1.0091	.22090



Sample Name: CCB03 Acquired: 11/21/2018 13:43:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3346.3	48711.	4533.8	104.84	3687.2
Stddev	69.1	493.	36.9	.86	66.8
%RSD	2.0650	1.0112	.81399	.82312	1.8106
#1	3297.4	48362.	4507.7	104.23	3639.9
#2	3395.1	49059.	4559.9	105.45	3734.4



Sample Name: PB114985BS Acquired: 11/21/2018 13:48:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSA7712 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.79873	1.9588	.98176	2.0277	.83405	1.9917	.20953
Stddev	.04032	.0915	.04772	.1114	.04354	.0245	.00951
%RSD	5.0478	4.6709	4.8603	5.4962	5.2199	1.2301	4.5406

#1	.82724	2.0235	1.0155	2.1065	.86484	1.9744	.21625
#2	.77022	1.8941	.94802	1.9489	.80327	2.0090	.20280

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19521	.18819	1.0927	.37056	.19719	.31897	2.8802
Stddev	.00359	.00863	.0527	.00704	.00892	.01656	.1075
%RSD	1.8404	4.5882	4.8239	1.9009	4.5213	5.1901	3.7325

#1	.19267	.19430	1.1300	.36558	.20349	.33068	2.9563
#2	.19775	.18209	1.0554	.37554	.19089	.30727	2.8042

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20958	1.9278	.47883	.06815	2.8543	.27734	.20690
Stddev	.00403	.0858	.02177	.00155	.1455	.00453	.00967
%RSD	1.9212	4.4531	4.5459	2.2771	5.0990	1.6319	4.6756

#1	.20673	1.9885	.49422	.06705	2.9572	.27414	.21374
#2	.21242	1.8671	.46343	.06925	2.7514	.28054	.20006

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.3941	.40577	.29299	F -.00160	.91639	.65929	.19645
Stddev	.3698	.02096	.00724	.00078	.03344	.02976	.00906
%RSD	3.9367	5.1661	2.4728	48.790	3.6486	4.5143	4.6105

#1	9.6556	.42059	.29811	-.00215	.94004	.68034	.20286
#2	9.1326	.39094	.28787	-.00105	.89275	.63825	.19005

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19814	5.326	.19671	F 1.3373	F<.00000
Stddev	.00693	.253	.00904	.2089	.31178
%RSD	3.4973	4.754	4.5954	15.622	25.669

#1	.20304	5.505	.20310	1.1896	-1.4351
#2	.19324	5.147	.19032	1.4850	-.99413



Sample Name: PB114985BS Acquired: 11/21/2018 13:48:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSA7712 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3251.8	47630.	4460.2	104.22	3524.8
Stddev	152.9	659.	181.2	4.32	157.5
%RSD	4.7004	1.3837	4.0616	4.1481	4.4677
#1	3143.7	48096.	4332.1	101.16	3413.4
#2	3359.9	47164.	4588.3	107.27	3636.1



Sample Name: PB114985TB Acquired: 11/21/2018 13:51:53 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB7712 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00455	-.00183	-.00171	.00061	-.00030	.01363	-.00116
Stddev	.00094	.00057	.00027	.00046	.00107	.00989	.00012
%RSD	20.731	31.230	15.742	75.197	359.49	72.618	10.517

#1	-.00522	-.00223	-.00190	.00029	-.00106	.02062	-.00107
#2	-.00388	-.00142	-.00152	.00094	.00046	.00663	-.00125

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	-.00001	.00043	.00160	-.00017	-.00046	.00913
Stddev	.00001	.00007	.02061	.00030	.00015	.00022	.00425
%RSD	15.396	1235.9	4847.7	18.963	84.662	48.252	46.592

#1	-.00009	-.00006	-.01415	.00182	-.00007	-.00030	.00612
#2	-.00007	.00005	.01500	.00139	-.00028	-.00062	.01213

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.00513	.00278	.00134	F 263.01	-.00028	-.00019
Stddev	.00000	.02743	.00063	.00048	.37	.00008	.00015
%RSD	.42873	535.13	22.557	36.097	.14205	29.791	76.845

#1	-.00006	-.02452	.00233	.00100	263.28	-.00033	-.00009
#2	-.00006	.01427	.00322	.00169	262.75	-.00022	-.00029

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03794	.00024	.00126	-.00266	.00956	-.00039	.00055
Stddev	.02176	.00008	.00057	.00551	.00137	.00021	.00092
%RSD	57.336	34.200	45.429	207.31	14.340	52.855	166.92

#1	.02256	.00018	.00085	.00124	.01053	-.00025	-.00010
#2	.05333	.00030	.00166	-.00656	.00859	-.00054	.00120

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00358	-.0035	-.00010	F 2.5447	F 1.0419
Stddev	.00042	.0005	.00019	.1878	.5559
%RSD	11.627	13.14	187.46	7.3808	53.357

#1	-.00387	-.0032	.00003	2.6775	.64881
#2	-.00328	-.0038	-.00023	2.4119	1.4350



Sample Name: PB114985TB Acquired: 11/21/2018 13:51:53 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB7712 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3154.5	44280.	4484.5	102.46	3227.8
Stddev	3.5	267.	35.3	2.40	6.5
%RSD	.11008	.60262	.78724	2.3434	.20133
#1	3152.0	44091.	4459.6	100.76	3223.2
#2	3156.9	44468.	4509.5	104.15	3232.4



Sample Name: J5763-02 Acquired: 11/21/2018 13:56:04 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00093	-.00268	.00141	-.00011	-.00301	.06689	.10500	-.00001
Stddev	.00251	.00132	.00107	.00190	.00110	.01103	.00211	.00001
%RSD	269.66	49.468	76.151	1745.3	36.377	16.489	2.0110	82.555

#1	.00084	-.00174	.00217	.00124	-.00224	.07469	.10351	-.00000
#2	-.00271	-.00361	.00065	-.00145	-.00379	.05909	.10650	-.00002

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	52.423	.00007	.00510	.00527	.01833	.82383	1.3189
Stddev	.00004	.869	.00016	.00008	.00017	.00490	.00335	.0420
%RSD	28.187	1.6569	238.15	1.5387	3.2001	26.704	.40607	3.1805

#1	.00019	51.809	.00018	.00516	.00515	.02180	.82619	1.3486
#2	.00012	53.038	-.00005	.00505	.00539	.01487	.82146	1.2892

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00377	.00008	236.13	.00007	.02202	1.0470	.00003	.00701
Stddev	.00020	.00016	.60	.00024	.00052	.0147	.00032	.00092
%RSD	5.3670	214.85	.25369	320.04	2.3482	1.4014	1246.0	13.202

#1	.00391	.00019	235.70	.00024	.02165	1.0366	.00025	.00635
#2	.00362	-.00004	236.55	-.00009	.02239	1.0574	-.00020	.00766

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41610	.67115	-.00021	-.00093	-.00058	.0073	.22824	3.5531
Stddev	.00498	.00570	.00130	.00010	.00129	.0028	.00305	.3986
%RSD	1.1956	.84943	631.31	10.336	224.10	38.76	1.3368	11.218

#1	.41962	.66712	.00071	-.00100	-.00149	.0092	.22608	3.8349
#2	.41259	.67518	-.00113	-.00086	.00034	.0053	.23039	3.2712

Elem	U_3859
Units	ppm
Avg	1.6502
Stddev	.1926
%RSD	11.671

#1	1.7864
#2	1.5140



Sample Name: J5763-02 Acquired: 11/21/2018 13:56:04 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3102.3	44687.	4536.1	102.66	3164.9
Stddev	45.5	131.	33.3	2.33	55.9
%RSD	1.4663	.29412	.73392	2.2714	1.7662
#1	3070.1	44594.	4559.6	104.31	3125.3
#2	3134.5	44780.	4512.5	101.02	3204.4



Sample Name: J5763-02DUP Acquired: 11/21/2018 14:00:14 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	-.00254	.00136	.00367	-.00228	.05169	.10181	.00003
Stddev	.00013	.00072	.00002	.00276	.00038	.00366	.00076	.00000
%RSD	19.450	28.259	1.1717	75.227	16.664	7.0897	.75086	6.8408

#1	.00056	-.00203	.00137	.00172	-.00201	.04909	.10127	.00003
#2	.00075	-.00305	.00135	.00563	-.00255	.05428	.10235	.00002

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	50.990	.00026	.00504	.00502	.01472	.81557	1.2909
Stddev	.00003	.086	.00031	.00014	.00019	.00299	.01678	.0043
%RSD	53.941	.16795	119.42	2.8283	3.7553	20.337	2.0573	.33154

#1	.00008	50.930	.00004	.00514	.00515	.01260	.80371	1.2939
#2	.00003	51.051	.00048	.00494	.00489	.01684	.82744	1.2879

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00400	-.00004	229.91	.00041	.02054	1.0749	.00007	.00565
Stddev	.00019	.00063	.01	.00000	.00002	.0599	.00005	.00311
%RSD	4.8160	1734.2	.00397	.80664	.08127	5.5766	67.793	55.113

#1	.00386	-.00048	229.91	.00041	.02055	1.0325	.00004	.00345
#2	.00414	.00041	229.92	.00041	.02052	1.1173	.00011	.00785

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.40623	.65255	-.00030	-.00034	.00194	.0074	.22411	3.5112
Stddev	.00071	.00229	.00086	.00018	.00062	.0001	.00178	.1073
%RSD	.17449	.35018	290.85	53.352	32.074	1.725	.79546	3.0547

#1	.40573	.65417	.00031	-.00047	.00150	.0073	.22537	3.4354
#2	.40673	.65093	-.00090	-.00021	.00239	.0075	.22285	3.5871

Elem	U_3859
Units	ppm
Avg	1.1748
Stddev	.2458
%RSD	20.926

#1	1.3486
#2	1.0009



Sample Name: J5763-02DUP Acquired: 11/21/2018 14:00:14 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3136.2	44667.	4570.7	106.09	3190.5
Stddev	.7	860.	11.5	.48	.1
%RSD	.02269	1.9244	.25090	.44925	.00395
#1	3135.7	45275.	4562.6	106.43	3190.4
#2	3136.7	44060.	4578.9	105.76	3190.5



Sample Name: J5763-02LX5 Acquired: 11/21/2018 14:04:24 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00121	-.00101	-.00200	.00017	-.00013	.02426	.01979	-.00002
Stddev	.00076	.00027	.00043	.00192	.00053	.01323	.00043	.00004
%RSD	62.536	26.997	21.450	1096.3	400.98	54.537	2.1973	169.52

#1	-.00174	-.00120	-.00169	-.00118	-.00050	.03361	.02009	-.00005
#2	-.00067	-.00081	-.00230	.00153	.00024	.01490	.01948	.00000

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	10.737	.00008	.00101	.00116	.00380	.17211	.24469
Stddev	.00009	.119	.00003	.00031	.00022	.00184	.00224	.00496
%RSD	113.77	1.1110	39.057	30.447	19.352	48.368	1.3022	2.0258

#1	.00001	10.822	.00006	.00079	.00100	.00250	.17052	.24819
#2	.00014	10.653	.00011	.00123	.00132	.00510	.17369	.24118

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00085	-.00013	48.364	-.00004	.00341	.30949	-.00011	.00557
Stddev	.00011	.00005	.569	.00040	.00005	.01498	.00012	.00473
%RSD	13.003	40.035	1.1759	962.12	1.5449	4.8405	110.86	84.884

#1	.00077	-.00009	48.766	.00024	.00338	.29889	-.00019	.00223
#2	.00093	-.00017	47.962	-.00033	.00345	.32008	-.00002	.00892

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07591	.14658	-.00150	-.00102	-.00033	.0004	.04688	2.3114
Stddev	.00448	.00365	.00043	.00079	.00174	.0004	.00080	.1514
%RSD	5.9036	2.4890	28.438	76.781	533.23	102.3	1.6974	6.5490

#1	.07275	.14916	-.00119	-.00158	.00090	.0001	.04744	2.2043
#2	.07908	.14400	-.00180	-.00047	-.00155	.0006	.04632	2.4184

Elem	U_3859
Units	ppm
Avg	.21825
Stddev	.48346
%RSD	221.51

#1	-.12361
#2	.56011



Sample Name: J5763-02LX5 Acquired: 11/21/2018 14:04:24 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3248.1	47175.	4637.0	106.40	3449.1
Stddev	9.6	524.	45.3	.86	6.1
%RSD	.29629	1.1115	.97609	.80432	.17548
#1	3241.3	47546.	4605.0	107.01	3453.4
#2	3254.9	46805.	4669.0	105.80	3444.9



Sample Name: J5763-02MS Acquired: 11/21/2018 14:08:28 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.77100	1.7123	.91397	1.8957	.79405	2.0615	.30170	.18737	.17948
Stddev	.00223	.0027	.00014	.0104	.00435	.0243	.00255	.00262	.00035
%RSD	.28975	.15831	.01487	.54927	.54747	1.1762	.84589	1.3976	.19624

#1	.76943	1.7142	.91388	1.8883	.79098	2.0787	.29989	.18923	.17923
#2	.77258	1.7104	.91407	1.9030	.79712	2.0444	.30350	.18552	.17973

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	55.455	.34931	.19242	.28427	2.6757	1.0590	3.1105	.44983	.06421
Stddev	.322	.00266	.00047	.00073	.0512	.0172	.0238	.00086	.00140
%RSD	.58076	.76092	.24491	.25685	1.9133	1.6274	.76515	.19062	2.1810

#1	55.228	.35119	.19276	.28375	2.6395	1.0712	3.1273	.44923	.06520
#2	55.683	.34743	.19209	.28478	2.7119	1.0468	3.0936	.45044	.06322

Elem	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	247.83	.27169	.20907	10.128	.39007	.27331	.42656	1.4972	.64248
Stddev	1.37	.00414	.00069	.090	.00237	.01351	.00261	.0029	.00159
%RSD	.55341	1.5232	.33089	.89039	.60682	4.9417	.61150	.19520	.24786

#1	246.86	.27461	.20956	10.064	.38839	.26376	.42471	1.4952	.64360
#2	248.80	.26876	.20858	10.192	.39174	.28286	.42840	1.4993	.64135

Elem	Ti3361	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18843	.19466	5.484	.41617	3.8703	.53844
Stddev	.00179	.00199	.015	.00112	.1627	.23695
%RSD	.95143	1.0238	.2801	.27028	4.2028	44.007

#1	.18716	.19325	5.495	.41537	3.9853	.37089
#2	.18970	.19607	5.473	.41696	3.7553	.70598

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3092.3	44164.	4517.7	102.34	3156.2
Stddev	10.5	765.	13.5	.23	2.3
%RSD	.33889	1.7318	.29974	.22710	.07133

#1	3099.7	43624.	4508.1	102.18	3154.6
#2	3084.9	44705.	4527.2	102.51	3157.8



Sample Name: J5763-02MSD Acquired: 11/21/2018 14:16:27 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.76601	1.7030	.90724	1.8850	.79002	2.0329	.30137	.18361	.17827
Stddev	.00230	.0051	.00238	.0006	.00468	.0107	.00354	.00397	.00024
%RSD	.30085	.30206	.26227	.03230	.59288	.52364	1.1762	2.1597	.13296

#1	.76764	1.7066	.90893	1.8855	.78671	2.0254	.29886	.18080	.17844
#2	.76438	1.6993	.90556	1.8846	.79333	2.0405	.30387	.18641	.17811

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	55.813	.34253	.19090	.28417	2.6693	1.0419	3.1341	.44605	.06326
Stddev	1.089	.00824	.00086	.00002	.0686	.0203	.0561	.00080	.00102
%RSD	1.9510	2.4061	.45090	.00718	2.5710	1.9447	1.7915	.17895	1.6123

#1	55.043	.33670	.19151	.28416	2.6208	1.0276	3.0944	.44662	.06254
#2	56.583	.34835	.19029	.28419	2.7178	1.0562	3.1738	.44549	.06398

Elem	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	245.95	.26548	.20747	10.092	.38839	.27230	.42087	1.4892	.63568
Stddev	3.84	.00506	.00503	.116	.00127	.00472	.00561	.0370	.00133
%RSD	1.5633	1.9075	2.4255	1.1448	.32820	1.7350	1.3336	2.4857	.20874

#1	243.23	.26190	.20391	10.011	.38748	.27564	.42484	1.4631	.63662
#2	248.66	.26906	.21103	10.174	.38929	.26896	.41690	1.5154	.63474

Elem	Ti3361	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18821	.19603	5.416	.41494	4.0347	1.4222
Stddev	.00148	.00305	.003	.00696	.2445	.3201
%RSD	.78397	1.5563	.0527	1.6769	6.0608	22.504

#1	.18716	.19387	5.418	.41002	3.8618	1.1959
#2	.18925	.19818	5.414	.41986	4.2076	1.6486

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3104.5	44711.	4529.3	102.93	3182.1
Stddev	8.3	571.	64.1	2.45	7.3
%RSD	.26725	1.2769	1.4144	2.3812	.22957

#1	3110.4	45114.	4574.6	104.66	3177.0
#2	3098.6	44307.	4484.0	101.20	3187.3



Sample Name: J5763-02A Acquired: 11/21/2018 14:20:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.75829	1.6959	.91067	1.8731	.78492	2.0048	.30216	.18556	.17809
Stddev	.00434	.0052	.00440	.0194	.00688	.0256	.00103	.00071	.00152
%RSD	.57250	.30756	.48360	1.0383	.87600	1.2788	.34025	.38028	.85540
#1	.75522	1.6922	.90755	1.8594	.78006	2.0229	.30143	.18606	.17701
#2	.76136	1.6995	.91378	1.8869	.78978	1.9867	.30288	.18506	.17917

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	55.734	.34590	.19089	.28370	2.6706	1.0524	3.1521	.44502	.06279
Stddev	.439	.00153	.00070	.00149	.0151	.0058	.0383	.00210	.00058
%RSD	.78750	.44269	.36730	.52517	.56697	.55405	1.2154	.47139	.92731
#1	55.424	.34698	.19039	.28265	2.6598	1.0566	3.1250	.44353	.06320
#2	56.045	.34482	.19138	.28476	2.6813	1.0483	3.1792	.44650	.06238

Elem	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	247.35	.26927	.20954	10.151	.38622	.26510	.41744	1.5031	.63853
Stddev	2.37	.00232	.00017	.150	.00025	.00081	.00139	.0017	.00521
%RSD	.95891	.86193	.07939	1.4805	.06569	.30592	.33222	.11142	.81658
#1	245.68	.27091	.20966	10.044	.38640	.26453	.41842	1.5043	.63484
#2	249.03	.26762	.20943	10.257	.38605	.26568	.41646	1.5019	.64222

Elem	Ti3361	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18772	.19718	5.422	.41636	3.8608	1.3990
Stddev	.00136	.00326	.042	.00189	.1123	.5047
%RSD	.72252	1.6543	.7794	.45408	2.9080	36.078
#1	.18676	.19487	5.392	.41502	3.9402	1.0421
#2	.18868	.19948	5.451	.41769	3.7814	1.7559

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3111.1	44443.	4464.2	101.88	3174.3
Stddev	4.3	220.	20.0	.44	7.0
%RSD	.13752	.49449	.44734	.43038	.22087
#1	3114.2	44288.	4478.3	101.57	3179.3
#2	3108.1	44599.	4450.1	102.19	3169.4



Sample Name: J5763-04 Acquired: 11/21/2018 14:24:18 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00111	-.00342	.00674	.00172	-.00137	.14337	.09624	.00010
Stddev	.00006	.00063	.00055	.00018	.00031	.00576	.00061	.00004
%RSD	5.2970	18.432	8.1769	10.750	23.000	4.0195	.63581	39.183

#1	-.00115	-.00297	.00713	.00159	-.00114	.14744	.09667	.00007
#2	-.00106	-.00387	.00635	.00185	-.00159	.13929	.09581	.00013

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	26.874	.00004	.00288	.00696	.86339	.77309	.68272
Stddev	.00008	.007	.00005	.00016	.00048	.01464	.01574	.01427
%RSD	61.382	.02624	117.73	5.6730	6.9131	1.6953	2.0360	2.0899

#1	.00019	26.879	.00008	.00276	.00662	.85304	.76196	.67263
#2	.00008	26.869	.00001	.00299	.00730	.87374	.78422	.69281

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00367	-.00027	288.28	.00002	.02140	.93978	-.00007	.01403
Stddev	.00035	.00035	1.85	.00012	.00010	.02348	.00028	.00325
%RSD	9.5394	131.05	.64243	562.27	.45703	2.4984	372.21	23.183

#1	.00342	-.00052	286.97	-.00006	.02133	.92318	.00012	.01173
#2	.00391	-.00002	289.59	.00011	.02147	.95638	-.00027	.01633

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.32911	.76363	-.00136	.00071	.00389	.0053	.13220	3.7432
Stddev	.01425	.00046	.00032	.00030	.00093	.0001	.00057	.2926
%RSD	4.3284	.06085	23.230	42.190	23.871	2.642	.43219	7.8177

#1	.31904	.76395	-.00159	.00093	.00323	.0052	.13180	3.5362
#2	.33919	.76330	-.00114	.00050	.00454	.0054	.13260	3.9501

Elem	U_3859
Units	ppm
Avg	2.2442
Stddev	.7228
%RSD	32.205

#1	2.7553
#2	1.7332



Sample Name: J5763-04 Acquired: 11/21/2018 14:24:18 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: HR-06-111918 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3128.8	43967.	4549.0	101.90	3188.5
Stddev	79.2	648.	12.9	.61	84.9
%RSD	2.5317	1.4748	.28319	.59613	2.6641
#1	3184.8	44426.	4558.1	102.33	3248.5
#2	3072.8	43509.	4539.9	101.47	3128.4



Sample Name: J5775-02 Acquired: 11/21/2018 14:28:26 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TR-05-111918 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00148	-.00324	.00629	.00202	-.00072	.20105	.10685	.00002
Stddev	.00033	.00089	.00040	.00034	.00036	.00531	.00033	.00008
%RSD	22.171	27.307	6.3068	16.834	49.377	2.6400	.31317	385.18

#1	-.00171	-.00387	.00657	.00178	-.00047	.19730	.10661	.00008
#2	-.00125	-.00262	.00601	.00227	-.00097	.20480	.10709	-.00004

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	18.411	.00092	.00291	.00545	1.0676	.28276	1.8326
Stddev	.00004	.087	.00006	.00002	.00017	.0032	.00008	.0050
%RSD	608.79	.47303	6.4725	.56964	3.1782	.29855	.02998	.27458

#1	.00003	18.472	.00088	.00289	.00557	1.0653	.28270	1.8362
#2	-.00002	18.349	.00096	.00292	.00532	1.0698	.28282	1.8290

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00353	.00015	269.70	-.00039	.02148	1.0834	.00005	.00874
Stddev	.00022	.00019	.24	.00027	.00023	.0280	.00025	.00126
%RSD	6.1301	120.87	.08852	67.903	1.0618	2.5853	503.63	14.377

#1	.00338	.00002	269.54	-.00020	.02132	1.1032	.00022	.00963
#2	.00369	.00029	269.87	-.00058	.02164	1.0636	-.00013	.00785

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29220	.65556	-.00007	.00132	.00226	.0003	.11587	3.2728
Stddev	.00997	.00028	.00009	.00100	.00040	.0007	.00008	.1089
%RSD	3.4122	.04281	142.97	75.203	17.543	199.3	.06870	3.3285

#1	.28515	.65536	.00000	.00062	.00198	-.0001	.11581	3.1958
#2	.29925	.65576	-.00013	.00203	.00254	.0008	.11593	3.3499

Elem	U_3859
Units	ppm
Avg	1.4125
Stddev	.1616
%RSD	11.439

#1	1.2982
#2	1.5267



Sample Name: J5775-02 Acquired: 11/21/2018 14:28:26 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TR-05-111918 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3138.0	44576.	4535.8	101.27	3216.6
Stddev	.6	63.	6.9	.41	24.8
%RSD	.02061	.14026	.15242	.40465	.77219
#1	3137.5	44531.	4530.9	101.56	3234.2
#2	3138.4	44620.	4540.7	100.98	3199.1



Sample Name: CCV04 Acquired: 11/21/2018 14:32:34 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9763	4.6804	4.9011	4.8964	5.1130	10.056	9.7312
Stddev	.0316	.0425	.0334	.0394	.0377	.211	.0158
%RSD	.63587	.90866	.68113	.80369	.73681	2.0955	.16263

#1	4.9987	4.7105	4.9247	4.9242	5.1397	10.205	9.7200
#2	4.9539	4.6503	4.8775	4.8686	5.0864	9.9071	9.7424

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24080	2.3401	25.326	.91141	2.3936	1.2111	4.6029
Stddev	.00507	.0179	.038	.01348	.0168	.0085	.1200
%RSD	2.1039	.76633	.14862	1.4786	.69958	.70007	2.6069

#1	.24438	2.3528	25.300	.92094	2.4054	1.2171	4.5180
#2	.23722	2.3275	25.353	.90188	2.3817	1.2051	4.6877

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4254	22.702	2.2883	1.1511	24.324	2.2859	2.5071
Stddev	.0461	.089	.0194	.0151	.048	.0461	.0687
%RSD	1.9001	.39172	.84751	1.3090	.19845	2.0144	2.7388

#1	2.4580	22.639	2.3020	1.1618	24.290	2.3185	2.4585
#2	2.3928	22.764	2.2746	1.1405	24.359	2.2534	2.5556

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.913	4.6816	4.6627	F 4.4694	4.5655	4.6946	4.7169
Stddev	.057	.0426	.0053	.0116	.0006	.0256	.0085
%RSD	.22865	.90941	.11323	.26041	.01220	.54473	.18115

#1	24.873	4.7117	4.6590	4.4777	4.5651	4.7127	4.7230
#2	24.953	4.6515	4.6664	4.4612	4.5659	4.6765	4.7109

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.7927	4.622	4.6768	F 3.2631	F 2.2216
Stddev	.0185	.033	.0083	.3770	.2398
%RSD	.38522	.7130	.17804	11.554	10.792

#1	4.7797	4.645	4.6709	3.5297	2.0521
#2	4.8058	4.598	4.6827	2.9965	2.3911



Sample Name: CCV04 Acquired: 11/21/2018 14:32:34 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3196.5	45837.	4543.1	99.974	3263.5
Stddev	33.5	895.	12.2	2.489	28.8
%RSD	1.0468	1.9517	.26936	2.4898	.88361
#1	3172.8	45205.	4551.7	101.73	3243.1
#2	3220.1	46470.	4534.4	98.214	3283.9



Sample Name: CCB04 Acquired: 11/21/2018 14:36:19 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00086	.00040	-.00283	-.00129	-.00001	.01282	-.00005
Stddev	.00161	.00000	.00070	.00298	.00050	.00432	.00062
%RSD	186.15	.95961	24.837	230.98	3652.8	33.682	1195.7

#1	-.00200	.00041	-.00333	-.00340	.00034	.01587	.00039
#2	.00027	.00040	-.00233	.00082	-.00037	.00977	-.00049

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00006	-.01835	.00005	.00024	.00006	-.00027
Stddev	.00007	.00001	.03036	.00008	.00023	.00012	.00334
%RSD	525.04	10.671	165.50	155.14	97.056	200.87	1254.2

#1	-.00004	.00006	-.03982	.00011	.00008	-.00003	.00210
#2	.00006	.00007	.00312	-.00001	.00040	.00015	-.00263

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	.01299	.00078	-.00020	.03138	-.00009	-.00163
Stddev	.00001	.06253	.00035	.00001	.00321	.00004	.00003
%RSD	7.4223	481.51	44.484	5.3815	10.215	45.001	1.9457

#1	-.00007	.05720	.00054	-.00021	.02911	-.00012	-.00161
#2	-.00008	-.03123	.00103	-.00019	.03364	-.00006	-.00166

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05531	.00030	.00080	-.00509	.00146	-.00151	.00001
Stddev	.01553	.00026	.00322	.00266	.00236	.00042	.00020
%RSD	28.074	88.324	403.59	52.258	161.84	28.058	1598.9

#1	.04433	.00049	.00307	-.00697	.00313	-.00181	-.00013
#2	.06629	.00011	-.00148	-.00321	-.00021	-.00121	.00016

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00231	-.0030	-.00002	F 1.6771	F<.00000
Stddev	.00013	.0003	.00001	.5939	.24519
%RSD	5.8328	8.487	52.645	35.413	198.51

#1	-.00222	-.0031	-.00003	2.0970	-.29689
#2	-.00241	-.0028	-.00002	1.2571	.04986



Sample Name: CCB04 Acquired: 11/21/2018 14:36:19 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3327.2	47841.	4590.8	106.20	3689.4
Stddev	40.9	1160.	39.9	2.22	32.8
%RSD	1.2286	2.4256	.86941	2.0868	.88941
#1	3298.3	47021.	4562.6	104.63	3666.2
#2	3356.1	48662.	4619.0	107.76	3712.6



Sample Name: J6010-03 Acquired: 11/21/2018 14:40:23 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00099	-.00439	.05833	.00292	-.00118	.10455	.28105	.00001
Stddev	.00076	.00024	.00023	.00011	.00024	.00537	.01105	.00007
%RSD	76.291	5.4170	.38989	3.6219	20.092	5.1344	3.9328	625.75

#1	-.00046	-.00456	.05817	.00284	-.00135	.10834	.27324	.00006
#2	-.00153	-.00423	.05849	.00299	-.00101	.10075	.28887	-.00004

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00105	43.508	.00026	.00215	.02559	.02251	.33425	4.3961
Stddev	.00002	1.527	.00028	.00000	.00037	.00400	.00078	.1880
%RSD	1.6927	3.5102	106.79	.00453	1.4468	17.769	.23360	4.2773

#1	.00106	42.428	.00006	.00215	.02533	.01968	.33480	4.2632
#2	.00104	44.588	.00046	.00215	.02585	.02534	.33370	4.5291

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00406	-.00001	266.33	-.00043	.17209	.82601	.00021	.02067
Stddev	.00013	.00003	11.54	.00005	.00239	.03190	.00005	.00511
%RSD	3.1807	169.94	4.3325	11.401	1.3895	3.8623	22.945	24.725

#1	.00415	.00000	258.17	-.00039	.17040	.80345	.00018	.02429
#2	.00396	-.00003	274.49	-.00046	.17378	.84857	.00024	.01706

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22409	.80434	.00015	.00103	-.00032	.0062	.13528	3.9349
Stddev	.00549	.03341	.00003	.00083	.00047	.0021	.00398	.0917
%RSD	2.4501	4.1540	16.336	80.909	146.71	34.26	2.9448	2.3310

#1	.22798	.78071	.00014	.00044	-.00066	.0077	.13247	3.8700
#2	.22021	.82796	.00017	.00162	.00001	.0047	.13810	3.9997

Elem	U_3859
Units	ppm
Avg	1.9167
Stddev	.9216
%RSD	48.080

#1	2.5684
#2	1.2651



Sample Name: J6010-03 Acquired: 11/21/2018 14:40:23 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3068.7	43743.	4538.1	100.78	3130.6
Stddev	13.7	331.	135.0	1.21	23.8
%RSD	.44750	.75584	2.9749	1.2056	.76142
#1	3059.0	43509.	4633.6	101.63	3113.8
#2	3078.4	43977.	4442.7	99.916	3147.5



Sample Name: PB114999BL Acquired: 11/21/2018 14:44:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	.00077	-.00360	-.00303	-.00254	.01745	-.00042
Stddev	.00209	.00134	.00077	.00107	.00005	.00155	.00009
%RSD	2419.2	175.32	21.429	35.216	2.0794	8.8790	22.392

#1	.00139	-.00018	-.00415	-.00379	-.00258	.01854	-.00049
#2	-.00156	.00172	-.00306	-.00228	-.00251	.01635	-.00035

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00006	-.01111	.00050	-.00003	.00008	-.00499
Stddev	.00003	.00015	.01627	.00055	.00005	.00015	.00367
%RSD	302.79	256.10	146.43	111.74	146.89	186.54	73.552

#1	.00003	.00016	-.02262	.00089	-.00006	-.00003	-.00240
#2	-.00001	-.00005	.00039	.00010	.00000	.00019	-.00759

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	-.00385	.00051	-.00044	.07145	-.00039	-.00168
Stddev	.00001	.02504	.00019	.00009	.01189	.00021	.00008
%RSD	7.3090	650.47	36.704	20.587	16.646	52.816	4.6444

#1	-.00014	-.02156	.00038	-.00051	.07986	-.00025	-.00163
#2	-.00012	.01386	.00064	-.00038	.06304	-.00054	-.00174

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07554	-.00003	-.00150	-.00530	-.00002	-.00145	-.00024
Stddev	.01265	.00003	.00406	.00296	.00240	.00060	.00174
%RSD	16.749	96.975	269.94	55.875	9787.9	41.144	720.51

#1	.08448	-.00006	.00137	-.00321	-.00172	-.00103	.00099
#2	.06659	-.00001	-.00438	-.00739	.00167	-.00187	-.00147

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00148	-.0028	.00000	F 1.5753	F .14685
Stddev	.00058	.0002	.00005	.0805	.39544
%RSD	39.278	6.890	1539.6	5.1113	269.29

#1	-.00189	-.0026	.00004	1.5184	.42646
#2	-.00107	-.0029	-.00003	1.6323	-.13277



Sample Name: PB114999BL Acquired: 11/21/2018 14:44:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3338.8	47986.	4586.9	107.85	3697.7
Stddev	6.5	1048.	45.6	1.25	10.7
%RSD	.19326	2.1836	.99347	1.1578	.28880
#1	3343.4	48727.	4554.7	108.73	3705.3
#2	3334.3	47245.	4619.2	106.97	3690.2



Sample Name: PB114999BS Acquired: 11/21/2018 14:48:35 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.79451	1.9289	.97773	1.9791	.81863	2.0215	.22353
Stddev	.00365	.0017	.00159	.0063	.00621	.0120	.02310
%RSD	.45949	.08680	.16270	.31780	.75828	.59187	10.335

#1	.79710	1.9301	.97885	1.9836	.82301	2.0300	.20719
#2	.79193	1.9277	.97660	1.9747	.81424	2.0131	.23986

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19550	.18617	1.1389	.36445	.19594	.31420	3.0386
Stddev	.00107	.00073	.1158	.00307	.00092	.00158	.3599
%RSD	.54819	.39210	10.163	.84349	.46842	.50431	11.844

#1	.19626	.18669	1.0571	.36662	.19659	.31532	2.7841
#2	.19474	.18566	1.2208	.36227	.19529	.31308	3.2931

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20858	2.0918	.47057	.06852	3.1022	.27383	.21986
Stddev	.00148	.2409	.00211	.00071	.3354	.00261	.02368
%RSD	.70753	11.514	.44848	1.0391	10.811	.95196	10.771

#1	.20962	1.9215	.47207	.06903	2.8651	.27567	.20312
#2	.20753	2.2621	.46908	.06802	3.3394	.27199	.23661

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8685	.39139	.31110	F -.00609	.94558	.64602	.20927
Stddev	.9397	.00166	.03757	.00577	.08918	.00290	.01804
%RSD	9.5227	.42287	12.078	94.624	9.4317	.44845	8.6219

#1	9.2040	.39256	.28453	-.00202	.88252	.64807	.19651
#2	10.533	.39022	.33767	-.01017	1.0086	.64397	.22203

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21542	5.238	.20824	F 1.6025	F<.00000
Stddev	.02085	.019	.02061	.0808	.24170
%RSD	9.6785	.3630	9.8966	5.0428	19.147

#1	.20068	5.252	.19367	1.5453	-1.0915
#2	.23016	5.225	.22282	1.6596	-1.4333



Sample Name: PB114999BS Acquired: 11/21/2018 14:48:35 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3290.5	47528.	4238.5	99.327	3563.4
Stddev	6.2	460.	377.3	10.462	10.0
%RSD	.18700	.96772	8.9026	10.533	.28068
#1	3286.1	47203.	4505.3	106.73	3556.3
#2	3294.8	47853.	3971.7	91.930	3570.5



Sample Name: J5765-03 Acquired: 11/21/2018 14:52:25 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03275	-.01505	.36525	-.02837	.00760	134.09	.43521
Stddev	.00072	.00052	.00099	.00231	.00196	.57	.00165
%RSD	2.2118	3.4794	.27237	8.1590	25.780	.42246	.37843

#1	.03224	-.01468	.36595	-.03000	.00621	133.69	.43404
#2	.03326	-.01542	.36454	-.02673	.00898	134.49	.43637

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00776	-.00139	45.295	.30123	.14051	.38504	383.66
Stddev	.00015	.00052	.587	.00010	.00005	.00826	6.77
%RSD	1.9183	37.543	1.2953	.03330	.03310	2.1465	1.7652

#1	.00766	-.00102	44.880	.30130	.14048	.39089	378.87
#2	.00787	-.00175	45.710	.30115	.14054	.37920	388.45

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.8613	50.709	.15737	.00005	27.418	.36224	.87629
Stddev	.0012	.343	.00118	.00142	.217	.00135	.01410
%RSD	.03057	.67572	.75273	2930.1	.79019	.37271	1.6090

#1	3.8605	50.467	.15821	-.00096	27.265	.36319	.86632
#2	3.8622	50.952	.15653	.00105	27.571	.36128	.88626

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.912	.01743	.13975	5.8602	2.2515	.01930	3.6106
Stddev	.110	.00012	.00552	.0096	.0199	.00028	.0330
%RSD	1.0043	.68654	3.9463	.16369	.88446	1.4426	.91291

#1	10.834	.01751	.13585	5.8670	2.2374	.01950	3.5873
#2	10.989	.01735	.14365	5.8534	2.2656	.01910	3.6339

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10073	8.021	-.31696	<.00000	F<.00000
Stddev	.00127	.011	.00664	.36825	.62968
%RSD	1.2602	.1305	2.0954	1.9155	.49457

#1	.09984	8.028	-.31226	-18.964	-126.87
#2	.10163	8.013	-.32165	-19.485	-127.76



Sample Name: J5765-03 Acquired: 11/21/2018 14:52:25 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3992.3	58005.	5885.0	98.611	3059.9
Stddev	.2	18.	28.5	1.562	4.0
%RSD	.00546	.03093	.48363	1.5835	.13040
#1	3992.4	58018.	5905.1	99.715	3062.7
#2	3992.1	57993.	5864.9	97.507	3057.1



Sample Name: J5768-05 Acquired: 11/21/2018 14:56:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OK-03-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02013	-.01174	.11954	-.02747	.00437	123.13	.45204
Stddev	.00170	.00090	.00125	.00293	.00040	7.48	.01731
%RSD	8.4701	7.6356	1.0487	10.649	9.0890	6.0716	3.8299

#1	.02133	-.01237	.11866	-.02954	.00409	128.41	.46428
#2	.01892	-.01111	.12043	-.02540	.00465	117.84	.43980

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00488	-.00192	86.015	.17884	.12358	.25744	263.85
Stddev	.00034	.00061	3.177	.00970	.00073	.00353	6.39
%RSD	7.0137	32.078	3.6937	5.4219	.58785	1.3721	2.4200

#1	.00513	-.00235	88.261	.18569	.12409	.25494	268.37
#2	.00464	-.00148	83.768	.17198	.12307	.25994	259.34

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.5082	57.225	.23831	.00125	6.7044	.42150	.65551
Stddev	.2132	2.403	.00091	.00057	.2355	.02578	.01090
%RSD	6.0769	4.1994	.38259	45.618	3.5121	6.1160	1.6625

#1	3.6589	58.924	.23896	.00085	6.8709	.43973	.66322
#2	3.3574	55.526	.23767	.00166	6.5379	.40327	.64781

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.266	.00407	.27450	6.3759	2.9987	.01109	4.0731
Stddev	.404	.00017	.00650	.0263	.1619	.00002	.1434
%RSD	3.5898	4.1929	2.3683	.41187	5.3982	.14986	3.5199

#1	11.552	.00395	.26990	6.3945	3.1132	.01111	4.1745
#2	10.980	.00420	.27910	6.3573	2.8843	.01108	3.9717

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.12833	8.167	-.07979	<.00000	F<.00000
Stddev	.00680	.041	.00029	1.2434	1.0995
%RSD	5.3008	.5073	.36614	12.380	1.7044

#1	.13314	8.196	-.07958	-9.1639	-65.287
#2	.12352	8.137	-.07999	-10.922	-63.732



Sample Name: J5768-05 Acquired: 11/21/2018 14:56:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OK-03-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3699.7	55221.	5379.5	98.287	3118.0
Stddev	11.9	3015.	162.7	1.530	9.7
%RSD	.32300	5.4591	3.0244	1.5566	.31105
#1	3691.3	53089.	5264.5	97.205	3111.2
#2	3708.2	57353.	5494.6	99.369	3124.9



Sample Name: J5772-03 Acquired: 11/21/2018 15:00:20 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01007	-.01071	.11480	-.02981	.00485	120.87	.63928
Stddev	.00088	.00069	.00239	.00242	.00114	.32	.00312
%RSD	8.6941	6.4480	2.0841	8.1116	23.530	.26472	.48735

#1	.00945	-.01022	.11311	-.02810	.00565	121.09	.64149
#2	.01069	-.01120	.11649	-.03152	.00404	120.64	.63708

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00577	-.00158	68.735	.16122	.15067	.15925	265.35
Stddev	.00011	.00013	.309	.00170	.00054	.00019	.87
%RSD	1.9512	7.9211	.45014	1.0541	.35714	.12188	.32773

#1	.00585	-.00167	68.954	.16242	.15105	.15912	265.97
#2	.00569	-.00149	68.516	.16001	.15029	.15939	264.74

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.7157	75.602	.27659	-.00054	5.6425	.34923	.68594
Stddev	.0121	.484	.00032	.00009	.0443	.00254	.00103
%RSD	.32580	.63986	.11394	15.946	.78526	.72730	.15069

#1	3.7243	75.944	.27636	-.00061	5.6739	.35103	.68521
#2	3.7072	75.260	.27681	-.00048	5.6112	.34743	.68667

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7111	.00168	.50042	3.1037	3.0204	.01348	4.8067
Stddev	.0283	.00027	.00224	.0035	.0409	.00031	.0163
%RSD	.29136	16.138	.44743	.11253	1.3534	2.3115	.33977

#1	9.7311	.00187	.50200	3.1062	3.0493	.01326	4.8183
#2	9.6911	.00149	.49884	3.1013	2.9915	.01370	4.7952

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.23841	4.601	-.00771	<.00000	F<.00000
Stddev	.00051	.023	.00122	.10766	.97971
%RSD	.21383	.4908	15.813	.99574	1.4371

#1	.23805	4.617	-.00685	-10.736	-68.867
#2	.23877	4.585	-.00857	-10.889	-67.482



Sample Name: J5772-03 Acquired: 11/21/2018 15:00:20 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3711.1	53795.	5445.6	99.243	3122.4
Stddev	2.5	150.	22.5	.035	3.0
%RSD	.06868	.27848	.41310	.03552	.09728
#1	3709.3	53689.	5429.7	99.268	3120.2
#2	3712.9	53901.	5461.5	99.218	3124.5



Sample Name: J5772-05 Acquired: 11/21/2018 15:04:19 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01610	-.00823	.39796	-.03099	.00749	153.97	.65376
Stddev	.00161	.00162	.00625	.00741	.00150	1.71	.01724
%RSD	9.9886	19.658	1.5699	23.923	20.001	1.1129	2.6373

#1	.01724	-.00937	.40238	-.03623	.00643	152.76	.64157
#2	.01497	-.00708	.39354	-.02575	.00855	155.18	.66595

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00849	-.00055	27.412	.17326	.12828	.19223	265.82
Stddev	.00004	.00193	.780	.00103	.00046	.01249	15.64
%RSD	.49068	348.72	2.8460	.59629	.36127	6.4963	5.8846

#1	.00846	.00081	26.861	.17399	.12860	.20106	254.76
#2	.00852	-.00192	27.964	.17253	.12795	.18340	276.88

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.6208	50.700	.26614	-.00044	5.2268	.30245	.72653
Stddev	.0041	1.662	.00017	.00225	.1598	.00331	.03717
%RSD	.11303	3.2781	.06513	507.37	3.0566	1.0959	5.1166

#1	3.6179	49.525	.26627	-.00204	5.1139	.30479	.70025
#2	3.6237	51.875	.26602	.00115	5.3398	.30011	.75282

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7066	.00297	.19184	1.0014	4.0553	.01483	2.6309
Stddev	.2928	.00003	.01481	.0001	.0900	.00118	.0769
%RSD	3.0161	1.0615	7.7208	.01240	2.2182	7.9337	2.9214

#1	9.4996	.00299	.18137	1.0014	3.9916	.01400	2.5765
#2	9.9136	.00295	.20231	1.0013	4.1189	.01566	2.6852

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.30133	4.188	-.19701	<.00000	F<.00000
Stddev	.01075	.019	.01482	.07931	.87766
%RSD	3.5671	.4574	7.5214	.71482	1.3189

#1	.29373	4.201	-.18653	-11.151	-65.923
#2	.30894	4.174	-.20749	-11.039	-67.164



Sample Name: J5772-05 Acquired: 11/21/2018 15:04:19 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3658.3	52919.	5199.1	98.328	3151.3
Stddev	13.3	151.	105.2	4.921	18.3
%RSD	.36236	.28440	2.0230	5.0049	.58006
#1	3648.9	53025.	5273.5	101.81	3138.4
#2	3667.6	52813.	5124.8	94.848	3164.2



Sample Name: J5772-07 Acquired: 11/21/2018 15:08:17 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04615	-.00868	.09439	-.04039	.00787	141.75	.77252
Stddev	.00164	.00228	.00132	.00447	.00076	2.31	.01249
%RSD	3.5472	26.230	1.3980	11.078	9.6972	1.6266	1.6173

#1	.04731	-.00707	.09532	-.04356	.00733	140.12	.76369
#2	.04499	-.01030	.09345	-.03723	.00841	143.38	.78136

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00670	-.00293	16.551	.20721	.12764	-.03187	263.33
Stddev	.00002	.00073	.318	.00170	.00034	.00787	8.34
%RSD	.27776	24.845	1.9198	.82004	.26733	24.698	3.1663

#1	.00669	-.00242	16.326	.20601	.12740	-.02630	257.44
#2	.00672	-.00345	16.775	.20841	.12788	-.03744	269.23

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.9788	44.018	.21436	-.00283	6.0558	.35282	.55872
Stddev	.0472	.612	.00094	.00005	.1026	.00451	.01766
%RSD	1.1852	1.3907	.43683	1.7882	1.6934	1.2784	3.1608

#1	3.9455	43.585	.21370	-.00287	5.9833	.34963	.54623
#2	4.0122	44.451	.21503	-.00280	6.1283	.35601	.57121

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.208	.00367	.04515	4.0580	4.1669	.00674	3.2397
Stddev	.356	.00014	.00804	.0177	.1010	.00191	.0498
%RSD	2.1958	3.9342	17.810	.43666	2.4239	28.340	1.5386

#1	15.956	.00356	.03947	4.0455	4.0955	.00810	3.2044
#2	16.459	.00377	.05084	4.0706	4.2383	.00539	3.2749

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.31810	2.746	-.18675	<.00000	F<.00000
Stddev	.00654	.007	.00833	.17570	.21181
%RSD	2.0559	.2577	4.4609	1.6988	.31478

#1	.31348	2.741	-.18086	-10.467	-67.138
#2	.32273	2.751	-.19264	-10.219	-67.438



Sample Name: J5772-07 Acquired: 11/21/2018 15:08:17 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3430.0	50161.	5011.2	100.17	3182.0
Stddev	2.3	428.	72.7	2.81	.3
%RSD	.06709	.85232	1.4515	2.8009	.00810
#1	3428.4	50464.	5062.6	102.15	3182.2
#2	3431.6	49859.	4959.7	98.185	3181.8



Sample Name: J6014-01 Acquired: 11/21/2018 15:12:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05081	-.00449	.42385	-.00681	.00096	106.16	1.7529
Stddev	.00040	.00050	.00007	.00358	.00176	1.04	.0249
%RSD	.79122	11.039	.01588	52.502	183.91	.97565	1.4200

#1	.05053	-.00484	.42381	-.00934	.00220	105.43	1.7353
#2	.05110	-.00414	.42390	-.00428	-.00029	106.89	1.7705

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00652	.01198	17.808	.13552	.04947	.09118	122.74
Stddev	.00001	.00016	.172	.00180	.00042	.00136	1.78
%RSD	.10185	1.2975	.96827	1.3311	.85624	1.4887	1.4515

#1	.00653	.01209	17.687	.13424	.04917	.09214	121.48
#2	.00652	.01187	17.930	.13679	.04977	.09022	124.00

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5631	14.712	.10636	-.00025	.81003	.20013	3.6131
Stddev	.0139	.105	.00012	.00008	.00170	.00128	.0282
%RSD	.54148	.71159	.11583	30.801	.21048	.63981	.77960

#1	2.5533	14.638	.10627	-.00020	.80882	.19922	3.5932
#2	2.5729	14.786	.10644	-.00030	.81123	.20104	3.6330

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.8474	.00112	.00451	8.3822	4.8204	.06562	.78136
Stddev	.0147	.00010	.01209	.0073	.0138	.00067	.00531
%RSD	.38139	8.9478	267.99	.08698	.28682	1.0165	.67947

#1	3.8370	.00119	.01306	8.3874	4.8106	.06610	.77761
#2	3.8578	.00105	-.00404	8.3770	4.8302	.06515	.78512

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.17712	7.693	-.05859	<.00000	F<.00000
Stddev	.00372	.006	.00102	.21233	.24708
%RSD	2.1026	.0777	1.7342	3.7143	1.7271

#1	.17449	7.697	-.05787	-5.8666	-14.481
#2	.17976	7.689	-.05931	-5.5663	-14.131



Sample Name: J6014-01 Acquired: 11/21/2018 15:12:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3874.2	56476.	5662.5	103.67	3347.7
Stddev	13.7	261.	54.2	.74	5.3
%RSD	.35299	.46199	.95762	.71443	.15781
#1	3864.5	56660.	5700.8	104.19	3344.0
#2	3883.9	56291.	5624.1	103.15	3351.4



Sample Name: J6014-01DUP Acquired: 11/21/2018 15:16:12 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETS DU Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05137	-.00626	.42181	-.00252	.00275	106.41	1.7663
Stddev	.00068	.00248	.00262	.00325	.00179	.43	.0036
%RSD	1.3247	39.655	.62188	129.03	64.879	.40316	.20265

#1	.05185	-.00801	.42367	-.00482	.00149	106.11	1.7638
#2	.05089	-.00450	.41996	-.00022	.00402	106.71	1.7689

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00648	.01168	18.130	.13705	.04917	.09051	123.18
Stddev	.00006	.00063	.037	.00165	.00023	.00384	3.71
%RSD	.99460	5.3631	.20544	1.2026	.47560	4.2469	3.0124

#1	.00652	.01213	18.104	.13589	.04933	.09323	120.56
#2	.00643	.01124	18.156	.13822	.04900	.08780	125.80

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5739	14.870	.10605	-.00028	.81575	.20008	3.6615
Stddev	.0119	.049	.00098	.00010	.00335	.00196	.0970
%RSD	.46237	.32960	.92724	37.346	.41069	.97768	2.6495

#1	2.5655	14.905	.10674	-.00035	.81338	.19870	3.5929
#2	2.5823	14.835	.10535	-.00020	.81812	.20146	3.7301

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.8685	.00132	.00880	8.3617	5.6259	.06427	.79960
Stddev	.0024	.00005	.00059	.0513	.0048	.00193	.00238
%RSD	.06252	3.5636	6.6894	.61377	.08488	3.0064	.29813

#1	3.8702	.00135	.00838	8.3980	5.6225	.06563	.80129
#2	3.8668	.00128	.00922	8.3254	5.6293	.06290	.79792

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.17888	7.702	-.05946	<.00000	F<.00000
Stddev	.00006	.056	.00385	.09984	.09694
%RSD	.03131	.7236	6.4773	1.8156	.64528

#1	.17885	7.741	-.05673	-5.5696	-15.091
#2	.17892	7.663	-.06218	-5.4284	-14.954



Sample Name: J6014-01DUP Acquired: 11/21/2018 15:16:12 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETS DU Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3875.1	56067.	5553.0	102.43	3353.9
Stddev	19.6	196.	1.0	2.67	33.6
%RSD	.50541	.34884	.01808	2.6020	1.0006
#1	3861.3	56205.	5552.3	104.31	3330.2
#2	3889.0	55929.	5553.8	100.54	3377.6



Sample Name: CCV05 Acquired: 11/21/2018 15:49:05 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14220 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.2507	4.8915	5.1419	5.1492	5.3690	10.703	10.321
Stddev	.0054	.0238	.0139	.0131	.0083	.263	.011
%RSD	.10230	.48719	.27051	.25454	.15465	2.4583	.10710

#1	5.2469	4.8746	5.1321	5.1399	5.3632	10.889	10.313
#2	5.2545	4.9083	5.1517	5.1584	5.3749	10.517	10.328

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25612	2.4577	26.345	.93068	2.5233	1.2702	4.8801
Stddev	.00690	.0053	.086	.02886	.0046	.0038	.0984
%RSD	2.6959	.21753	.32766	3.1011	.18255	.29701	2.0165

#1	.26100	2.4539	26.284	.95109	2.5201	1.2676	4.8105
#2	.25124	2.4614	26.406	.91027	2.5266	1.2729	4.9497

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5727	23.843	2.4022	1.2236	23.685	2.3480	2.6404
Stddev	.0745	.019	.0073	.0318	.023	.0707	.0483
%RSD	2.8944	.08015	.30354	2.5963	.09763	3.0114	1.8274

#1	2.6253	23.830	2.3971	1.2461	23.669	2.3980	2.6063
#2	2.5200	23.857	2.4074	1.2012	23.701	2.2980	2.6745

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.097	4.8899	4.8652	4.7044	4.7676	4.9310	4.9985
Stddev	.151	.0140	.0106	.0034	.0269	.0070	.0229
%RSD	.65461	.28691	.21873	.07156	.56382	.14146	.45784

#1	22.990	4.8800	4.8577	4.7021	4.7486	4.9261	5.0147
#2	23.204	4.8998	4.8727	4.7068	4.7866	4.9359	4.9823

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.0361	4.884	4.9617	F 3.7713	F 2.6730
Stddev	.0141	.010	.0054	.5449	.0164
%RSD	.27935	.1958	.10951	14.448	.61485

#1	5.0262	4.878	4.9579	4.1566	2.6614
#2	5.0461	4.891	4.9655	3.3860	2.6846



Sample Name: CCV05 Acquired: 11/21/2018 15:49:05 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14220 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3142.9	44553.	4478.5	98.272	3200.3
Stddev	2.2	1213.	6.2	1.754	.6
%RSD	.07148	2.7229	.13930	1.7844	.01733
#1	3141.3	43695.	4483.0	99.512	3200.7
#2	3144.5	45411.	4474.1	97.033	3199.9



Sample Name: CCB05 Acquired: 11/21/2018 15:52:49 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14220 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	.00058	-.00218	-.00046	-.00009	F .02991	-.00046
Stddev	.00145	.00040	.00109	.00180	.00003	.00873	.00017
%RSD	226.36	67.906	50.059	390.62	38.755	29.177	36.228

#1	-.00038	.00030	-.00295	.00081	-.00006	.03608	-.00058
#2	.00166	.00087	-.00141	-.00173	-.00011	.02374	-.00034

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00007	-.00746	-.00025	-.00010	.00007	-.00148
Stddev	.00005	.00001	.01429	.00019	.00016	.00047	.00255
%RSD	370.38	16.397	191.62	75.428	172.21	687.93	171.60

#1	.00002	.00007	.00265	-.00012	.00002	.00040	-.00328
#2	-.00005	.00008	-.01756	-.00039	-.00021	-.00026	.00032

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	-.00526	.00050	-.00021	-.08885	-.00045	-.00153
Stddev	.00001	.02805	.00001	.00051	.00166	.00026	.00003
%RSD	4.3040	533.51	2.1179	243.81	1.8661	57.174	2.0425

#1	-.00018	.01457	.00051	-.00057	-.08767	-.00027	-.00155
#2	-.00019	-.02509	.00050	.00015	-.09002	-.00064	-.00151

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00120	.00071	-.00184	-.00479	.00420	-.00124	.00080
Stddev	.01845	.00013	.00232	.00209	.00118	.00038	.00065
%RSD	1537.6	18.156	125.77	43.684	27.995	30.990	81.189

#1	-.01184	.00080	-.00348	-.00626	.00337	-.00151	.00034
#2	.01424	.00062	-.00020	-.00331	.00503	-.00097	.00126

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00242	-.0034	-.00007	F 1.9662	F<.00000
Stddev	.00029	.0007	.00004	.2009	.98040
%RSD	11.810	21.86	56.436	10.217	386.37

#1	-.00262	-.0029	-.00010	1.8241	.43950
#2	-.00222	-.0039	-.00004	2.1082	-.94700



Sample Name: CCB05 Acquired: 11/21/2018 15:52:49 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14220 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3208.7	47648.	4507.9	104.26	3558.8
Stddev	64.6	35.	45.8	2.79	75.5
%RSD	2.0134	.07368	1.0158	2.6774	2.1216
#1	3254.4	47673.	4540.3	102.29	3612.2
#2	3163.0	47623.	4475.5	106.23	3505.4



Sample Name: J6014-01LX5 Acquired: 11/21/2018 15:56:53 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01146	-.00170	.08714	-.00589	.00085	26.036	.43077	.00163
Stddev	.00184	.00136	.00033	.00119	.00093	1.240	.00122	.00012
%RSD	16.011	80.021	.38309	20.255	108.82	4.7613	.28373	7.6419

#1	.01017	-.00074	.08738	-.00674	.00020	25.160	.42991	.00154
#2	.01276	-.00267	.08691	-.00505	.00151	26.913	.43164	.00172

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00239	4.4062	.03438	.01002	.02644	25.438	.65822	3.5950
Stddev	.00013	.0016	.00152	.00012	.00045	.074	.03475	.0254
%RSD	5.6164	.03558	4.4131	1.2189	1.7070	.29142	5.2792	.70682

#1	.00248	4.4073	.03330	.00994	.02612	25.386	.63365	3.6130
#2	.00229	4.4051	.03545	.01011	.02676	25.491	.68279	3.5770

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02233	-.00107	.11097	.04859	.76989	.90107	.00023	-.00299
Stddev	.00015	.00042	.00302	.00284	.00619	.00264	.00009	.00456
%RSD	.65502	39.493	2.7202	5.8359	.80367	.29286	37.895	152.47

#1	.02243	-.00077	.11311	.04659	.76552	.90294	.00017	-.00621
#2	.02223	-.00137	.10884	.05060	.77427	.89921	.00030	.00023

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6654	1.3086	.01237	.18540	.03863	1.553	-.00952	1.0740
Stddev	.0024	.0065	.00005	.00401	.00052	.001	.00002	.8072
%RSD	.14415	.49434	.42756	2.1616	1.3570	.0785	.16213	75.155

#1	1.6671	1.3132	.01233	.18256	.03826	1.554	-.00953	.50326
#2	1.6637	1.3040	.01241	.18823	.03900	1.553	-.00951	1.6448

Elem	U_3859
Units	ppm
Avg	6.8540
Stddev	.0459
%RSD	.66969

#1	6.8215
#2	6.8864



Sample Name: J6014-01LX5 Acquired: 11/21/2018 15:56:53 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3408.3	47739.	4772.9	104.56	3536.6
Stddev	5.5	2203.	23.0	.76	.1
%RSD	.16253	4.6142	.48176	.72543	.00362
#1	3412.2	49296.	4789.1	105.10	3536.5
#2	3404.4	46181.	4756.6	104.03	3536.7



Sample Name: J6014-01MS Acquired: 11/21/2018 16:00:53 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETSMS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.69975	1.8291	1.4050	1.5636	.10698	127.90	2.0609
Stddev	.00269	.0055	.0016	.0050	.00093	.42	.0083
%RSD	.38423	.30192	.11506	.31714	.86574	.32830	.40067
#1	.69785	1.8330	1.4062	1.5671	.10764	127.60	2.0551
#2	.70165	1.8252	1.4039	1.5601	.10633	128.20	2.0667

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16581	.19705	19.694	.43553	.25115	.32640	130.92
Stddev	.00074	.00037	.005	.00007	.00106	.00058	.33
%RSD	.44856	.18769	.02715	.01516	.42053	.17705	.25461
#1	.16529	.19731	19.690	.43548	.25190	.32681	130.68
#2	.16634	.19679	19.697	.43558	.25040	.32599	131.15

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7637	17.724	.58311	.05481	3.1692	.43521	3.9127
Stddev	.0019	.071	.00263	.00084	.0140	.00005	.0147
%RSD	.06923	.39965	.45050	1.5293	.44196	.01186	.37650
#1	2.7623	17.674	.58497	.05541	3.1593	.43517	3.9231
#2	2.7650	17.774	.58125	.05422	3.1791	.43525	3.9023

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.721	.30206	.17823	8.6804	4.3138	.66894	.91950
Stddev	.103	.00131	.00183	.0126	.0328	.00240	.00531
%RSD	.87685	.43392	1.0247	.14547	.75971	.35872	.57754
#1	11.648	.30299	.17952	8.6714	4.2906	.67064	.91574
#2	11.794	.30113	.17694	8.6893	4.3370	.66725	.92325

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.38704	F 13.22	.09888	<.00000	F<.00000
Stddev	.00320	.03	.00051	.26286	.58378
%RSD	.82699	.2339	.51545	4.8183	3.1695
#1	.38478	13.24	.09852	-5.6413	-18.006
#2	.38931	13.20	.09924	-5.2696	-18.832



Sample Name: J6014-01MS Acquired: 11/21/2018 16:00:53 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETSMS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3765.9	55091.	5465.6	98.498	3216.1
Stddev	4.4	72.	2.6	.281	7.7
%RSD	.11762	.13022	.04710	.28571	.23888
#1	3762.8	55040.	5467.4	98.299	3210.7
#2	3769.0	55141.	5463.7	98.697	3221.6



Sample Name: J6014-01MSD Acquired: 11/21/2018 16:04:45 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETSMS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.70227	1.8243	1.4051	1.5534	.10411	126.89	2.0487
Stddev	.01083	.0382	.0290	.0230	.00104	.52	.0084
%RSD	1.5424	2.0935	2.0665	1.4783	1.0035	.40992	.41065

#1	.70993	1.8513	1.4256	1.5696	.10484	126.52	2.0547
#2	.69461	1.7973	1.3845	1.5371	.10337	127.26	2.0428

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16495	.19708	19.527	.43294	.25085	.32781	127.52
Stddev	.00021	.00383	.043	.00220	.00423	.00656	1.67
%RSD	.12685	1.9457	.22146	.50714	1.6869	2.0024	1.3123

#1	.16510	.19979	19.557	.43449	.25384	.33245	128.71
#2	.16480	.19437	19.496	.43139	.24786	.32317	126.34

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7502	17.627	.57984	.05388	3.1355	.43246	3.8281
Stddev	.0019	.099	.01201	.00020	.0310	.00056	.0703
%RSD	.06902	.55918	2.0718	.37308	.98990	.13019	1.8373

#1	2.7489	17.696	.58834	.05374	3.1575	.43286	3.8779
#2	2.7516	17.557	.57135	.05402	3.1136	.43206	3.7784

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.576	.30079	.17424	8.6429	4.2977	.66766	.91321
Stddev	.043	.00416	.00108	.1896	.0076	.01402	.00737
%RSD	.37092	1.3834	.61868	2.1936	.17585	2.1003	.80704

#1	11.606	.30373	.17347	8.7769	4.3031	.67757	.91842
#2	11.545	.29785	.17500	8.5088	4.2924	.65774	.90800

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.38727	F 13.21	.10037	<.00000	F<.00000
Stddev	.00123	.31	.00075	.01428	1.0227
%RSD	.31755	2.382	.74781	.25868	5.7479

#1	.38814	13.43	.09984	-5.5084	-18.515
#2	.38640	12.99	.10090	-5.5285	-17.069



Sample Name: J6014-01MSD Acquired: 11/21/2018 16:04:45 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETSMS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3748.7	55225.	5475.3	100.27	3200.4
Stddev	50.9	76.	34.4	1.51	61.0
%RSD	1.3573	.13682	.62779	1.5081	1.9069
#1	3712.7	55279.	5451.0	99.198	3157.2
#2	3784.6	55172.	5499.6	101.34	3243.5



Sample Name: J6014-01A Acquired: 11/21/2018 16:08:37 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.71972	1.8692	1.4323	1.5898	.10758	128.46	2.0478
Stddev	.00714	.0254	.0108	.0311	.00097	.23	.0065
%RSD	.99142	1.3594	.75388	1.9587	.90393	.18224	.31842

#1	.71468	1.8513	1.4247	1.5678	.10689	128.30	2.0524
#2	.72477	1.8872	1.4399	1.6118	.10827	128.63	2.0432

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16590	.20147	19.470	.43506	.25660	.33647	128.36
Stddev	.00079	.00178	.058	.00302	.00214	.00531	.44
%RSD	.47541	.88242	.29807	.69418	.83579	1.5771	.34227

#1	.16646	.20021	19.511	.43719	.25508	.33272	128.67
#2	.16535	.20273	19.429	.43292	.25811	.34022	128.05

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7624	17.577	.59323	.05442	3.1491	.43323	3.8485
Stddev	.0136	.025	.00546	.00014	.0053	.00208	.0211
%RSD	.49171	.14285	.91973	.25605	.16810	.47917	.54851

#1	2.7720	17.560	.58937	.05452	3.1529	.43470	3.8634
#2	2.7528	17.595	.59709	.05433	3.1454	.43177	3.8336

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.674	.30669	.17484	8.8613	4.2962	.68146	.91500
Stddev	.011	.00455	.00206	.1206	.0501	.00683	.00092
%RSD	.09156	1.4824	1.1763	1.3604	1.1670	1.0025	.10075

#1	11.666	.30347	.17629	8.7761	4.3317	.67663	.91565
#2	11.681	.30990	.17338	8.9466	4.2608	.68629	.91435

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.38709	F 13.56	.09970	<.00000	F<.00000
Stddev	.00135	.18	.00010	.06330	.97061
%RSD	.34837	1.297	.10361	1.2124	5.4432

#1	.38614	13.44	.09977	-5.1764	-18.518
#2	.38804	13.69	.09963	-5.2659	-17.145



Sample Name: J6014-01A Acquired: 11/21/2018 16:08:37 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3675.4	54786.	5512.8	100.08	3132.2
Stddev	33.8	201.	36.6	.90	22.7
%RSD	.92072	.36738	.66350	.90255	.72629
#1	3699.3	54644.	5486.9	99.440	3148.2
#2	3651.4	54929.	5538.6	100.72	3116.1



Sample Name: J6017-01 Acquired: 11/21/2018 16:12:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: VW-RO-294-CO Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02526	-.02043	.99179	-.06114	.00715	218.34	10.217
Stddev	.00018	.00043	.00135	.00014	.00065	.07	.013
%RSD	.69796	2.0985	.13604	.22959	9.1580	.03308	.12283
#1	.02514	-.02013	.99274	-.06104	.00761	218.39	10.226
#2	.02538	-.02073	.99083	-.06124	.00669	218.29	10.208

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00787	.00605	1040.6	.72923	.12962	.41577	296.12
Stddev	.00011	.00022	4.0	.00706	.00034	.00031	.97
%RSD	1.4125	3.6014	.38890	.96764	.26448	.07521	.32717
#1	.00779	.00590	1043.5	.72424	.12937	.41554	296.81
#2	.00795	.00621	1037.8	.73422	.12986	.41599	295.44

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.5917	85.056	.23230	-.00093	6.8326	.48300	4.3350
Stddev	.0263	.027	.00027	.00072	.0082	.00558	.0023
%RSD	.57378	.03120	.11464	77.664	.12056	1.1547	.05239
#1	4.5731	85.074	.23249	-.00042	6.8268	.47906	4.3334
#2	4.6103	85.037	.23211	-.00144	6.8384	.48695	4.3366

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.184	.00540	.19149	F 26.156	.93529	.03208	6.3384
Stddev	.030	.00026	.00371	.200	.01341	.00091	.0116
%RSD	.22745	4.8769	1.9392	.76347	1.4337	2.8428	.18217
#1	13.163	.00559	.18886	26.297	.92581	.03144	6.3466
#2	13.205	.00521	.19412	26.015	.94477	.03273	6.3302

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19884	F 10.14	4.7536	10.282	F<.00000
Stddev	.00219	.02	.0043	.093	.15830
%RSD	1.1038	.2328	.08978	.90468	.25299
#1	.20039	10.16	4.7566	10.348	-62.684
#2	.19729	10.12	4.7506	10.216	-62.460



Sample Name: J6017-01 Acquired: 11/21/2018 16:12:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: VW-RO-294-CO Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3128.2	45416.	5018.5	89.260	2554.9
Stddev	10.3	185.	14.0	.070	11.7
%RSD	.33084	.40655	.27905	.07841	.45672
#1	3120.9	45546.	5028.4	89.309	2546.6
#2	3135.5	45285.	5008.6	89.210	2563.1



Sample Name: J6024-01 Acquired: 11/21/2018 16:16:26 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PS-SOIL Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30965	-.01385	16.098	-.04429	.01078	135.32	2.6116
Stddev	.00288	.00239	.071	.00347	.00148	.23	.0383
%RSD	.92884	17.238	.44199	7.8446	13.724	.16978	1.4660

#1	.31169	-.01554	16.149	-.04184	.00974	135.16	2.5845
#2	.30762	-.01216	16.048	-.04675	.01183	135.48	2.6386

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00585	.00377	182.80	.22605	.12720	.85939	265.42
Stddev	.00014	.00073	2.69	.00050	.00045	.00939	5.76
%RSD	2.3493	19.313	1.4715	.21974	.35470	1.0921	2.1691

#1	.00595	.00428	180.90	.22570	.12752	.86603	261.35
#2	.00576	.00325	184.70	.22640	.12689	.85276	269.49

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.6881	50.227	.24386	.00087	4.0658	.38198	2.7539
Stddev	.0152	.793	.00010	.00040	.0643	.00106	.0567
%RSD	.32381	1.5780	.04161	45.473	1.5823	.27734	2.0573

#1	4.6774	49.667	.24393	.00059	4.0203	.38273	2.7139
#2	4.6989	50.788	.24379	.00115	4.1113	.38124	2.7940

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.8331	.00340	.00065	3.8107	6.2154	.89691	5.0258
Stddev	.1090	.00002	.00582	.0163	.1015	.00174	.0850
%RSD	1.8692	.51764	900.57	.42677	1.6330	.19352	1.6913

#1	5.7560	.00339	-.00347	3.8222	6.1436	.89814	4.9657
#2	5.9102	.00341	.00476	3.7992	6.2871	.89569	5.0859

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.13306	F 10.04	.34522	<.00000	F<.00000
Stddev	.00204	.02	.00196	.19142	.81756
%RSD	1.5358	.1662	.56816	2.6094	1.1976

#1	.13162	10.05	.34384	-7.2003	-67.690
#2	.13451	10.03	.34661	-7.4710	-68.847



Sample Name: J6024-01 Acquired: 11/21/2018 16:16:26 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PS-SOIL Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3327.4	48798.	5077.2	98.079	2972.6
Stddev	14.6	105.	73.9	1.996	12.4
%RSD	.43967	.21559	1.4554	2.0352	.41772
#1	3317.0	48872.	5129.5	99.491	2963.8
#2	3337.7	48723.	5025.0	96.668	2981.3



Sample Name: PB115016BL Acquired: 11/21/2018 16:20:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB7714 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00126	-.00047	.00008	.00015	-.00076	.02166	-.00777
Stddev	.00294	.00103	.00019	.00131	.00106	.00151	.00038
%RSD	233.83	216.42	238.44	873.67	139.35	6.9620	4.8771

#1	.00082	.00025	.00022	.00108	-.00001	.02060	-.00751
#2	-.00333	-.00120	-.00006	-.00078	-.00151	.02273	-.00804

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00004	-.01386	-.00001	.00003	.00019	.00512
Stddev	.00004	.00000	.00093	.00008	.00009	.00010	.00057
%RSD	589.77	4.0027	6.7262	719.85	304.27	51.348	11.136

#1	-.00003	.00004	-.01320	.00005	-.00003	.00026	.00553
#2	.00002	.00004	-.01452	-.00007	.00009	.00012	.00472

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00346	.00048	-.00009	-.19402	-.00068	-.00025
Stddev	.00005	.00080	.00021	.00031	.00426	.00028	.00033
%RSD	147.05	23.077	43.125	322.92	2.1973	40.370	133.98

#1	-.00000	.00290	.00063	-.00031	-.19101	-.00088	-.00001
#2	.00007	.00403	.00033	.00012	-.19704	-.00049	-.00048

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03842	.00005	-.00439	-.00441	.00187	-.00141	-.00001
Stddev	.02686	.00003	.00551	.00030	.01899	.00070	.00091
%RSD	69.923	53.948	125.40	6.8858	1016.6	49.735	16260.

#1	.01942	.00003	-.00050	-.00462	.01529	-.00190	.00064
#2	.05741	.00007	-.00829	-.00419	-.01156	-.00091	-.00065

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01173	-.0027	.00003	F 1.8160	F<.00000
Stddev	.00025	.0002	.00003	.4107	.66610
%RSD	2.1354	8.057	96.150	22.616	131.27

#1	-.01191	-.0029	.00006	1.5256	-.97841
#2	-.01156	-.0026	.00001	2.1064	-.03641



Sample Name: PB115016BL Acquired: 11/21/2018 16:20:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB7714 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3181.2	46958.	9967.9	238.89	3566.9
Stddev	14.6	805.	852.8	20.03	13.9
%RSD	.46002	1.7140	8.5553	8.3845	.39037
#1	3170.9	47527.	9364.8	224.73	3557.1
#2	3191.6	46389.	10571.	253.05	3576.8



Sample Name: PB115016BS Acquired: 11/21/2018 16:24:28 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14221 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.83033	1.9782	1.0199	2.0806	.87214	2.1060	.22627
Stddev	.00279	.0077	.0004	.0001	.00048	.0090	.01160
%RSD	.33634	.38877	.03949	.00547	.05477	.42560	5.1253

#1	.82835	1.9836	1.0202	2.0806	.87248	2.1124	.23447
#2	.83230	1.9727	1.0196	2.0805	.87180	2.0997	.21807

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20412	.19242	1.1674	.37598	.20286	.32787	3.0214
Stddev	.00029	.00018	.0487	.00152	.00024	.00014	.1484
%RSD	.14339	.09204	4.1733	.40360	.11772	.04120	4.9120

#1	.20391	.19254	1.2018	.37705	.20269	.32778	3.1264
#2	.20433	.19229	1.1329	.37491	.20303	.32797	2.9165

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22364	2.0433	.48613	.07140	2.9926	.28023	.22043
Stddev	.00001	.1066	.00095	.00153	.1338	.00139	.01154
%RSD	.00635	5.2177	.19463	2.1485	4.4725	.49557	5.2354

#1	.22365	2.1187	.48546	.07248	3.0872	.28121	.22859
#2	.22363	1.9679	.48679	.07031	2.8979	.27925	.21227

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7566	.41217	.30401	F .00324	.95401	.68131	.21183
Stddev	.4605	.00080	.00873	.00388	.04946	.00175	.01054
%RSD	4.7195	.19445	2.8721	119.70	5.1841	.25749	4.9778

#1	10.082	.41274	.31018	.00050	.98898	.68007	.21929
#2	9.4310	.41160	.29783	.00598	.91904	.68255	.20437

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21565	5.417	.20929	F 1.8990	F<.00000
Stddev	.01138	.006	.01006	.0114	.48795
%RSD	5.2751	.1155	4.8079	.59741	38.205

#1	.22370	5.421	.21641	1.8910	-.93216
#2	.20761	5.412	.20218	1.9071	-1.6222



Sample Name: PB115016BS Acquired: 11/21/2018 16:24:28 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14221 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3167.5	46474.	4283.6	100.47	3476.2
Stddev	.2	201.	214.3	5.12	2.5
%RSD	.00735	.43299	5.0018	5.0964	.07272
#1	3167.7	46331.	4132.1	96.845	3474.4
#2	3167.4	46616.	4435.1	104.09	3478.0



Sample Name: PB115016TB Acquired: 11/21/2018 16:28:21 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14221 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00306	-.00239	-.00205	-.00149	.00103	.02413	-.00152
Stddev	.00332	.00064	.00040	.00107	.00053	.01377	.00026
%RSD	108.42	27.017	19.362	71.498	51.616	57.077	17.132

#1	-.00071	-.00284	-.00177	-.00074	.00065	.01439	-.00170
#2	-.00541	-.00193	-.00234	-.00225	.00140	.03387	-.00133

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	-.00004	.00408	.00045	-.00008	-.00040	.01307
Stddev	.00001	.00002	.00638	.00003	.00014	.00103	.00568
%RSD	206.65	63.127	156.45	7.3131	165.64	253.84	43.429

#1	-.00001	-.00005	-.00043	.00043	.00001	.00032	.01708
#2	.00000	-.00002	.00859	.00048	-.00018	-.00113	.00906

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00602	.00242	.00185	F 286.55	.00016	-.00029
Stddev	.00002	.01229	.00001	.00070	3.15	.00010	.00004
%RSD	29.972	204.06	.42369	37.796	1.0980	62.140	12.096

#1	.00005	.01472	.00241	.00235	288.78	.00023	-.00032
#2	.00008	-.00267	.00243	.00136	284.33	.00009	-.00027

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05076	.00020	.00334	.00183	.01012	-.00130	.00199
Stddev	.02977	.00008	.01213	.00009	.00102	.00061	.00021
%RSD	58.647	39.627	362.92	4.7495	10.029	46.926	10.462

#1	.02971	.00026	-.00524	.00177	.00941	-.00087	.00184
#2	.07181	.00014	.01192	.00189	.01084	-.00173	.00214

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00298	-.0042	.00002	F 3.3796	F .68061
Stddev	.00069	.0003	.00026	.5450	.44426
%RSD	23.070	6.223	1536.6	16.126	65.274

#1	-.00347	-.0044	-.00017	3.7649	.99475
#2	-.00249	-.0040	.00020	2.9942	.36647



Sample Name: PB115016TB Acquired: 11/21/2018 16:28:21 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14221 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3013.1	42321.	4379.1	100.21	3113.1
Stddev	3.3	1147.	50.8	1.32	9.0
%RSD	.10961	2.7100	1.1590	1.3150	.28797
#1	3010.8	41510.	4343.2	99.277	3106.8
#2	3015.5	43132.	4415.0	101.14	3119.5



Sample Name: J5765-04 Acquired: 11/21/2018 16:32:33 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00263	-.00259	.01512	-.00009	-.00090	.17946	.12562	.00008
Stddev	.00030	.00086	.00031	.00229	.00072	.00690	.00172	.00002
%RSD	11.593	33.171	2.0652	2574.0	79.678	3.8473	1.3697	23.539

#1	-.00241	-.00198	.01490	.00153	-.00141	.17458	.12440	.00010
#2	-.00284	-.00319	.01534	-.00171	-.00039	.18435	.12683	.00007

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	9.9314	.00071	.00594	.00996	.53031	.74157	1.5843
Stddev	.00001	.0674	.00015	.00008	.00007	.00410	.00750	.0559
%RSD	6.5574	.67840	20.682	1.4282	.70480	.77239	1.0119	3.5270

#1	.00018	9.8838	.00061	.00600	.00991	.53320	.73626	1.5447
#2	.00019	9.9791	.00082	.00588	.01001	.52741	.74687	1.6238

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00311	-.00042	274.02	.00011	.04870	.81842	-.00011	.01576
Stddev	.00026	.00076	3.91	.00023	.00053	.00644	.00013	.01060
%RSD	8.3461	183.25	1.4276	215.54	1.0820	.78734	116.28	67.271

#1	.00330	.00012	271.25	.00027	.04833	.82298	-.00021	.00826
#2	.00293	-.00096	276.79	-.00006	.04908	.81386	-.00002	.02325

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11912	.48464	-.00021	.00484	-.00188	.0016	.02136	3.2605
Stddev	.00192	.00813	.00005	.00208	.00067	.0003	.00002	.0782
%RSD	1.6093	1.6765	21.956	42.997	35.454	20.71	.10494	2.3971

#1	.11777	.47889	-.00017	.00631	-.00235	.0014	.02134	3.2052
#2	.12048	.49039	-.00024	.00337	-.00141	.0019	.02138	3.3158

Elem	U_3859
Units	ppm
Avg	1.3927
Stddev	.1805
%RSD	12.961

#1	1.2651
#2	1.5204



Sample Name: J5765-04 Acquired: 11/21/2018 16:32:33 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3043.9	44142.	4432.0	99.386	3124.7
Stddev	5.6	410.	16.8	.781	1.9
%RSD	.18425	.92967	.38015	.78585	.05993
#1	3047.9	44432.	4443.9	99.939	3126.0
#2	3039.9	43852.	4420.1	98.834	3123.4



Sample Name: CCV06 Acquired: 11/21/2018 16:50:49 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14223 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.2419	4.8604	5.1533	5.1009	5.3632	10.555	10.279
Stddev	.0371	.0211	.0192	.0389	.0237	.114	.005
%RSD	.70839	.43430	.37272	.76192	.44199	1.0820	.04960

#1	5.2682	4.8753	5.1669	5.1284	5.3800	10.635	10.283
#2	5.2157	4.8455	5.1397	5.0735	5.3465	10.474	10.276

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25071	2.4448	26.693	.90247	2.5116	1.2620	4.8872
Stddev	.00299	.0136	.246	.01214	.0153	.0049	.1552
%RSD	1.1939	.55573	.92274	1.3455	.60906	.38820	3.1761

#1	.25283	2.4544	26.519	.91106	2.5224	1.2655	4.7774
#2	.24859	2.4352	26.867	.89389	2.5008	1.2586	4.9969

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5328	23.879	2.3773	1.1968	23.482	2.2802	2.6984
Stddev	.0268	.327	.0148	.0146	.004	.0214	.0736
%RSD	1.0578	1.3709	.62383	1.2210	.01861	.93706	2.7286

#1	2.5518	23.648	2.3878	1.2072	23.485	2.2953	2.6463
#2	2.5139	24.111	2.3668	1.1865	23.479	2.2651	2.7505

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.846	4.8285	4.8460	4.6233	4.7560	4.9259	4.9709
Stddev	.021	.0188	.0243	.0286	.0069	.0296	.0091
%RSD	.09116	.39002	.50182	.61921	.14487	.60113	.18281

#1	22.831	4.8418	4.8288	4.6435	4.7512	4.9468	4.9644
#2	22.861	4.8152	4.8632	4.6030	4.7609	4.9049	4.9773

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.0325	4.825	4.9136	F 3.9647	F 2.2618
Stddev	.0017	.034	.0093	.3248	.0469
%RSD	.03334	.7072	.18965	8.1918	2.0714

#1	5.0336	4.849	4.9202	4.1943	2.2287
#2	5.0313	4.801	4.9070	3.7350	2.2949



Sample Name: CCV06 Acquired: 11/21/2018 16:50:49 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14223 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3095.1	44424.	4368.8	94.891	3163.9
Stddev	21.4	508.	6.5	2.443	23.2
%RSD	.69052	1.1445	.14949	2.5742	.73168
#1	3080.0	44064.	4373.4	96.618	3147.5
#2	3110.2	44783.	4364.2	93.164	3180.3



Sample Name: CCB06 Acquired: 11/21/2018 16:54:34 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14223 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00141	.00006	-.00263	-.00071	.00015	.01285	.00009
Stddev	.00003	.00015	.00005	.00155	.00157	.00127	.00101
%RSD	1.8440	265.90	1.8870	217.30	1035.5	9.9031	1178.5

#1	-.00142	.00016	-.00260	.00038	.00126	.01375	.00080
#2	-.00139	-.00005	-.00267	-.00181	-.00096	.01195	-.00063

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.00006	-.00215	.00003	-.00006	-.00047	.00177
Stddev	.00001	.00009	.01669	.00014	.00001	.00037	.00171
%RSD	58.179	160.37	775.58	443.30	21.789	78.851	96.605

#1	-.00003	-.00001	.00965	-.00007	-.00005	-.00073	.00056
#2	-.00001	.00012	-.01395	.00013	-.00007	-.00021	.00298

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.02913	.00053	-.00042	-.07505	-.00036	-.00141
Stddev	.00000	.03804	.00033	.00016	.00159	.00008	.00001
%RSD	5.3949	130.61	62.205	39.054	2.1158	22.259	.58251

#1	-.00006	-.00223	.00030	-.00053	-.07392	-.00042	-.00140
#2	-.00006	-.05603	.00076	-.00030	-.07617	-.00030	-.00141

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01425	.00060	.01097	-.00566	.00288	-.00091	-.00133
Stddev	.01804	.00030	.00492	.00121	.00022	.00003	.00072
%RSD	126.60	49.790	44.850	21.461	7.6955	2.7994	53.809

#1	-.00149	.00039	.01445	-.00480	.00272	-.00092	-.00082
#2	-.02700	.00082	.00749	-.00652	.00303	-.00089	-.00184

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00313	-.0040	.00003	F 2.0961	F .12461
Stddev	.00040	.0019	.00006	.0200	.23237
%RSD	12.865	48.80	192.63	.95350	186.48

#1	-.00342	-.0053	-.00001	2.1102	.28893
#2	-.00285	-.0026	.00007	2.0820	-.03970



Sample Name: CCB06 Acquired: 11/21/2018 16:54:34 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14223 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3260.8	47601.	4407.4	101.80	3653.8
Stddev	25.9	74.	46.7	.55	22.5
%RSD	.79573	.15535	1.0601	.54303	.61492
#1	3279.2	47549.	4374.3	101.41	3669.7
#2	3242.5	47654.	4440.4	102.20	3637.9



Sample Name: J5765-04DUP Acquired: 11/21/2018 16:58:38 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-.00252	.01479	.00113	-.00121	.17763	.12389	.00009
Stddev	.00039	.00020	.00072	.00009	.00072	.01106	.00241	.00002
%RSD	13789.	7.7630	4.8424	7.9407	59.493	6.2263	1.9480	26.390

#1	.00028	-.00239	.01530	.00107	-.00070	.16981	.12218	.00011
#2	-.00028	-.00266	.01429	.00120	-.00171	.18545	.12560	.00008

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	9.6990	.00019	.00613	.00934	.52385	.74965	1.5630
Stddev	.00007	.2940	.00011	.00031	.00036	.03335	.00380	.0974
%RSD	42.806	3.0314	57.634	5.0353	3.8730	6.3656	.50664	6.2323

#1	.00011	9.4911	.00011	.00635	.00960	.50027	.75234	1.4941
#2	.00021	9.9069	.00026	.00592	.00909	.54743	.74696	1.6319

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00325	.00003	273.48	-.00005	.04870	.76844	-.00006	.02899
Stddev	.00021	.00036	9.09	.00007	.00154	.03156	.00029	.00919
%RSD	6.3117	1265.1	3.3250	134.08	3.1550	4.1072	450.44	31.710

#1	.00340	.00029	267.05	-.00000	.04762	.74612	-.00027	.02249
#2	.00311	-.00023	279.91	-.00010	.04979	.79076	.00014	.03549

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11983	.47304	-.00058	.00277	-.00224	.0010	.02108	3.6761
Stddev	.00085	.00993	.00000	.00175	.00060	.0011	.00020	.3271
%RSD	.70745	2.0989	.05429	63.206	26.669	110.9	.95863	8.8974

#1	.11923	.46602	-.00058	.00153	-.00267	.0018	.02093	3.4448
#2	.12043	.48006	-.00058	.00401	-.00182	.0002	.02122	3.9074

Elem	U_3859
Units	ppm
Avg	1.2849
Stddev	.4318
%RSD	33.603

#1	.97957
#2	1.5902



Sample Name: J5765-04DUP Acquired: 11/21/2018 16:58:38 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3062.0	43531.	4471.5	99.614	3151.7
Stddev	45.2	98.	112.1	2.825	49.8
%RSD	1.4768	.22473	2.5061	2.8362	1.5807
#1	3030.0	43461.	4550.8	101.61	3116.5
#2	3094.0	43600.	4392.3	97.616	3186.9



Sample Name: J5765-04LX5 Acquired: 11/21/2018 17:02:47 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00190	.00022	.00156	-.00299	.00110	.04476	.02605	.00003
Stddev	.00054	.00014	.00023	.00129	.00211	.01065	.00017	.00008
%RSD	28.447	63.322	14.515	42.999	192.04	23.784	.64075	272.63

#1	-.00229	.00012	.00140	-.00390	.00259	.03723	.02617	-.00003
#2	-.00152	.00032	.00172	-.00208	-.00039	.05229	.02593	.00009

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	2.0940	.00024	.00132	.00200	.11359	.16010	.28678
Stddev	.00000	.0049	.00007	.00009	.00007	.01434	.00146	.00262
%RSD	26.177	.23419	30.328	6.4369	3.4748	12.621	.91320	.91417

#1	-.00000	2.0975	.00029	.00126	.00195	.12373	.15907	.28863
#2	-.00000	2.0905	.00019	.00138	.00205	.10345	.16114	.28493

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	-.00023	57.832	.00007	.00877	.23023	-.00015	-.00016
Stddev	.00008	.00068	.256	.00067	.00018	.01064	.00001	.00583
%RSD	15.495	289.75	.44286	930.16	2.0187	4.6201	9.5529	3534.9

#1	.00061	.00025	58.013	-.00040	.00889	.23775	-.00014	-.00429
#2	.00049	-.00072	57.651	.00055	.00864	.22270	-.00016	.00396

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01772	.10878	-.00073	-.00023	-.00063	-.0034	.00435	2.5499
Stddev	.00100	.00174	.00031	.00063	.00010	.0015	.00000	.5931
%RSD	5.6296	1.6001	43.039	279.00	15.513	42.25	.07727	23.258

#1	.01702	.11002	-.00095	-.00067	-.00070	-.0024	.00435	2.1306
#2	.01843	.10755	-.00051	.00022	-.00057	-.0045	.00435	2.9693

Elem	U_3859
Units	ppm
Avg	.01664
Stddev	.21722
%RSD	1305.3

#1	-.13695
#2	.17024



Sample Name: J5765-04LX5 Acquired: 11/21/2018 17:02:47 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3166.7	45624.	4492.3	103.59	3381.4
Stddev	13.2	315.	64.3	1.59	28.2
%RSD	.41558	.68979	1.4315	1.5316	.83335
#1	3157.4	45846.	4446.8	102.47	3361.5
#2	3176.0	45401.	4537.7	104.71	3401.3



Sample Name: J5765-04MS Acquired: 11/21/2018 17:06:51 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.81160	1.7845	.98504	1.9827	.81704	2.2926	.34020	.19634	.19024
Stddev	.00996	.0285	.01267	.0232	.01136	.0073	.00072	.00035	.00243
%RSD	1.2272	1.5982	1.2862	1.1712	1.3898	.31789	.21287	.17936	1.2760
#1	.80456	1.7644	.97608	1.9662	.80901	2.2977	.34071	.19609	.18853
#2	.81865	1.8047	.99400	1.9991	.82507	2.2874	.33968	.19659	.19196

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.443	.36638	.20629	.30399	3.4052	.97764	3.4722	.47287	.06669
Stddev	.020	.00131	.00273	.00235	.0204	.00194	.0431	.00666	.00034
%RSD	.17559	.35820	1.3240	.77254	.60001	.19846	1.2416	1.4092	.50951
#1	11.428	.36545	.20436	.30233	3.4196	.97626	3.5026	.46815	.06645
#2	11.457	.36731	.20823	.30565	3.3908	.97901	3.4417	.47758	.06693

Elem	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	286.96	.28155	.25369	10.296	.39742	.30771	.11861	1.3215	.66200
Stddev	2.12	.00119	.00011	.015	.00522	.00022	.00103	.0033	.01021
%RSD	.74040	.42400	.04174	.14282	1.3135	.07045	.86795	.25114	1.5426
#1	285.46	.28070	.25376	10.286	.39373	.30787	.11934	1.3192	.65477
#2	288.47	.28239	.25361	10.307	.40111	.30756	.11788	1.3239	.66922

Elem	Ti3361	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20085	.20868	5.651	.21418	3.1297	.57859
Stddev	.00369	.00071	.065	.00170	.2013	.15865
%RSD	1.8384	.34130	1.144	.79305	6.4304	27.421
#1	.20346	.20818	5.605	.21538	3.2720	.46641
#2	.19824	.20919	5.696	.21298	2.9874	.69077

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3029.3	43315.	4359.0	98.580	3104.1
Stddev	28.5	94.	14.0	.132	34.1
%RSD	.94009	.21607	.32031	.13368	1.0979
#1	3049.5	43249.	4368.9	98.486	3128.2
#2	3009.2	43381.	4349.1	98.673	3080.0



Sample Name: J5765-04MSD Acquired: 11/21/2018 17:10:47 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.81513	1.7941	.98997	1.9958	.82200	2.2847	.34610	.19484	.19130
Stddev	.00823	.0205	.01377	.0157	.00851	.0220	.00601	.00021	.00171
%RSD	1.0098	1.1405	1.3912	.78622	1.0350	.96361	1.7359	.10680	.89404
#1	.82095	1.8086	.99971	2.0069	.82801	2.2692	.34185	.19499	.19251
#2	.80931	1.7797	.98023	1.9847	.81598	2.3003	.35034	.19470	.19009

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.578	.36536	.20657	.30631	3.4658	.97216	3.5873	.47458	.06704
Stddev	.293	.00071	.00209	.00392	.0358	.00009	.0755	.00578	.00007
%RSD	2.5300	.19367	1.0135	1.2803	1.0317	.00964	2.1041	1.2179	.10393
#1	11.371	.36486	.20805	.30908	3.4405	.97209	3.5339	.47867	.06699
#2	11.786	.36586	.20509	.30353	3.4911	.97223	3.6407	.47049	.06708

Elem	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	286.33	.28113	.26039	10.522	.39866	.30993	.11854	1.3471	.66888
Stddev	4.34	.00065	.00132	.208	.00408	.00865	.00267	.0016	.00859
%RSD	1.5170	.23088	.50503	1.9728	1.0229	2.7913	2.2551	.12036	1.2841
#1	283.26	.28159	.25946	10.376	.40154	.30381	.12043	1.3460	.67495
#2	289.40	.28067	.26132	10.669	.39578	.31605	.11665	1.3483	.66281

Elem	Ti3361	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20398	.21444	5.682	.21737	3.1452	.32335
Stddev	.00158	.00607	.040	.00319	.1890	.28453
%RSD	.77547	2.8309	.6954	1.4659	6.0096	87.995
#1	.20286	.21015	5.710	.21512	3.2788	.12215
#2	.20509	.21873	5.654	.21962	3.0115	.52454

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3027.2	43514.	4291.3	96.692	3103.7
Stddev	43.8	40.	43.2	.211	37.7
%RSD	1.4463	.09207	1.0062	.21773	1.2152
#1	2996.3	43542.	4321.9	96.841	3077.0
#2	3058.2	43485.	4260.8	96.543	3130.4



Sample Name: J5765-04A Acquired: 11/21/2018 17:14:43 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NB-08-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.80806	1.7814	.98702	1.9687	.81063	2.2611	.33997	.19496	.19032
Stddev	.01083	.0359	.01813	.0281	.01387	.0101	.00099	.00047	.00313
%RSD	1.3406	2.0126	1.8366	1.4255	1.7107	.44459	.29265	.24092	1.6454
#1	.80040	1.7560	.97420	1.9489	.80083	2.2540	.33927	.19529	.18811
#2	.81572	1.8067	.99984	1.9885	.82044	2.2682	.34067	.19463	.19254

Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.457	.36368	.20598	.30217	3.3678	.97134	3.5457	.47240	.06647
Stddev	.118	.00090	.00391	.00525	.0475	.00132	.0557	.00855	.00055
%RSD	1.0288	.24827	1.8961	1.7358	1.4092	.13626	1.5720	1.8094	.82949
#1	11.373	.36304	.20322	.29847	3.4014	.97228	3.5063	.46636	.06686
#2	11.540	.36432	.20874	.30588	3.3342	.97041	3.5851	.47845	.06608

Elem	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	286.02	.27975	.25237	10.349	.39427	.30121	.11913	1.3372	.66440
Stddev	.66	.00060	.00244	.061	.00740	.00429	.00652	.0035	.01469
%RSD	.23008	.21383	.96492	.58869	1.8774	1.4239	5.4726	.26179	2.2106
#1	286.49	.28017	.25410	10.306	.38904	.29818	.11452	1.3347	.65401
#2	285.55	.27933	.25065	10.392	.39951	.30425	.12374	1.3396	.67478

Elem	Ti3361	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20280	.21007	5.646	.21267	3.2570	.90067
Stddev	.00217	.00178	.117	.00060	.3813	.15628
%RSD	1.0704	.84951	2.078	.28247	11.707	17.351
#1	.20434	.20881	5.563	.21224	3.5266	1.0112
#2	.20127	.21133	5.729	.21309	2.9874	.79017

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3063.6	43773.	4365.2	99.967	3126.5
Stddev	36.4	183.	13.4	1.274	42.4
%RSD	1.1888	.41786	.30601	1.2748	1.3567
#1	3089.4	43644.	4374.7	99.066	3156.5
#2	3037.9	43903.	4355.8	100.87	3096.5



Sample Name: J5768-06 Acquired: 11/21/2018 17:18:39 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OK-03-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	-.00448	.00645	.00239	-.00212	.10136	.09308	.00007
Stddev	.00096	.00021	.00025	.00380	.00087	.00458	.00083	.00002
%RSD	1951.4	4.6380	3.8838	158.60	40.852	4.5222	.88783	36.882

#1	-.00072	-.00462	.00627	-.00029	-.00151	.10460	.09250	.00005
#2	.00063	-.00433	.00662	.00508	-.00273	.09812	.09367	.00008

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	25.165	-.00009	.00914	.00789	.18688	.98772	3.4106
Stddev	.00003	.327	.00002	.00009	.00034	.00922	.03301	.0561
%RSD	16.865	1.3013	18.836	1.0157	4.3230	4.9351	3.3419	1.6446

#1	.00022	24.934	-.00010	.00908	.00765	.19340	1.0111	3.3709
#2	.00018	25.397	-.00008	.00921	.00813	.18036	.96438	3.4503

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00614	.00005	306.22	.00038	.02577	1.0878	.00006	.00986
Stddev	.00026	.00080	5.25	.00027	.00023	.0125	.00022	.00181
%RSD	4.1856	1529.7	1.7155	69.787	.88860	1.1525	384.65	18.304

#1	.00632	-.00051	309.93	.00019	.02593	1.0789	.00021	.00858
#2	.00596	.00062	302.50	.00057	.02561	1.0967	-.00010	.01114

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18120	.46378	-.00045	.00013	.00584	-.0015	.06909	3.5082
Stddev	.00860	.00269	.00044	.00202	.00096	.0000	.00015	.5944
%RSD	4.7468	.58060	98.158	1610.0	16.514	2.029	.21308	16.943

#1	.17511	.46569	-.00076	-.00130	.00516	-.0015	.06919	3.9285
#2	.18728	.46188	-.00014	.00155	.00652	-.0015	.06898	3.0879

Elem	U_3859
Units	ppm
Avg	2.0105
Stddev	.0764
%RSD	3.8006

#1	1.9565
#2	2.0645



Sample Name: J5768-06 Acquired: 11/21/2018 17:18:39 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OK-03-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2991.3	44699.	4463.9	100.42	3049.8
Stddev	52.1	1272.	17.5	1.25	62.9
%RSD	1.7422	2.8456	.39292	1.2483	2.0626
#1	3028.2	43800.	4476.3	99.530	3094.3
#2	2954.5	45599.	4451.5	101.30	3005.3



Sample Name: J5772-04 Acquired: 11/21/2018 17:22:48 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00148	-.00299	.00159	.00410	-.00143	.09015	.15877	.00011
Stddev	.00175	.00043	.00062	.00118	.00035	.00856	.00023	.00006
%RSD	118.16	14.220	39.136	28.903	24.390	9.4935	.14227	53.601

#1	-.00272	-.00329	.00115	.00326	-.00168	.08410	.15861	.00007
#2	-.00024	-.00269	.00202	.00493	-.00119	.09620	.15893	.00015

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	27.949	-.00022	.00366	.00732	.33231	1.3188	1.6249
Stddev	.00017	.134	.00038	.00035	.00004	.01010	.0011	.0255
%RSD	149.73	.48054	170.79	9.5427	.51971	3.0407	.08606	1.5716

#1	-.00001	27.854	.00005	.00341	.00729	.33946	1.3196	1.6430
#2	.00023	28.044	-.00049	.00390	.00735	.32517	1.3180	1.6069

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00321	-.00012	288.02	-.00007	.02722	.86699	.00006	.01730
Stddev	.00063	.00031	1.79	.00020	.00033	.03091	.00006	.00585
%RSD	19.484	265.08	.62029	300.41	1.2218	3.5654	98.877	33.834

#1	.00365	.00010	286.76	.00008	.02745	.84513	.00002	.01316
#2	.00277	-.00033	289.29	-.00021	.02698	.88885	.00011	.02144

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08947	.39268	.00017	-.00115	.00593	.0001	.09386	3.7384
Stddev	.00192	.00282	.00094	.00064	.00026	.0016	.00009	.1750
%RSD	2.1474	.71716	554.72	55.259	4.4585	1962.	.09262	4.6806

#1	.09083	.39069	-.00050	-.00160	.00612	-.0010	.09392	3.8622
#2	.08811	.39467	.00084	-.00070	.00575	.0012	.09380	3.6147

Elem	U_3859
Units	ppm
Avg	1.9836
Stddev	.0899
%RSD	4.5299

#1	1.9201
#2	2.0472



Sample Name: J5772-04 Acquired: 11/21/2018 17:22:48 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3010.6	43504.	4392.9	97.088	3071.2
Stddev	27.4	146.	11.6	.905	27.1
%RSD	.90938	.33512	.26515	.93192	.88304
#1	2991.2	43401.	4384.7	96.448	3052.1
#2	3029.9	43607.	4401.2	97.727	3090.4



Sample Name: J5772-06 Acquired: 11/21/2018 17:26:58 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00040	-.00360	.01243	.00086	-.00088	.07377	.08204	.00002
Stddev	.00209	.00105	.00068	.00379	.00047	.00180	.00467	.00002
%RSD	520.55	29.083	5.4499	441.16	53.722	2.4345	5.6863	107.55

#1	-.00188	-.00434	.01290	.00354	-.00121	.07250	.08534	.00003
#2	.00108	-.00286	.01195	-.00182	-.00054	.07504	.07874	.00000

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	6.2003	.00029	-.00005	.01731	.01423	.06936	.88816
Stddev	.00002	.2839	.00006	.00028	.00018	.00042	.00032	.04503
%RSD	5.2959	4.5791	19.834	580.96	1.0613	2.9620	.46572	5.0704

#1	.00030	6.4011	.00025	-.00025	.01718	.01453	.06959	.92000
#2	.00027	5.9996	.00033	.00015	.01744	.01393	.06913	.85631

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00164	-.00005	257.60	-.00011	.03702	.61792	.00002	.02059
Stddev	.00038	.00034	12.31	.00033	.00228	.00668	.00029	.00190
%RSD	23.018	627.36	4.7773	295.14	6.1669	1.0818	1724.9	9.2089

#1	.00191	.00018	266.30	.00012	.03863	.62265	-.00019	.02193
#2	.00137	-.00029	248.90	-.00035	.03540	.61320	.00022	.01925

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07749	.46935	-.00067	.00181	.00613	.0189	.02505	3.5677
Stddev	.00173	.02720	.00019	.00022	.00057	.0006	.00120	.2584
%RSD	2.2331	5.7947	28.066	12.304	9.3567	3.041	4.7890	7.2418

#1	.07626	.48858	-.00080	.00197	.00653	.0193	.02590	3.7503
#2	.07871	.45012	-.00054	.00166	.00572	.0185	.02420	3.3850

Elem	U_3859
Units	ppm
Avg	1.7418
Stddev	.2419
%RSD	13.890

#1	1.9129
#2	1.5708



Sample Name: J5772-06 Acquired: 11/21/2018 17:26:58 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3031.0	43443.	4490.4	101.18	3132.2
Stddev	2.2	291.	217.8	5.80	10.3
%RSD	.07200	.67089	4.8503	5.7369	.32988
#1	3032.6	43237.	4336.4	97.077	3139.5
#2	3029.5	43649.	4644.4	105.29	3124.9



Sample Name: J5772-08 Acquired: 11/21/2018 17:31:08 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00205	-.00376	-.00123	.00166	-.00227	.12329	.11535	.00007
Stddev	.00037	.00169	.00066	.00197	.00064	.00035	.00078	.00008
%RSD	17.841	45.017	53.879	119.04	28.022	.28254	.67838	118.61

#1	-.00231	-.00495	-.00076	.00026	-.00182	.12353	.11590	.00012
#2	-.00179	-.00256	-.00169	.00305	-.00272	.12304	.11480	.00001

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	7.2915	.00010	.00874	.00392	.06988	1.1355	1.1029
Stddev	.00001	.0369	.00017	.00018	.00037	.00489	.0026	.0387
%RSD	18.500	.50662	180.27	2.0793	9.3575	7.0021	.22541	3.5075

#1	-.00004	7.3176	-.00003	.00861	.00418	.07334	1.1337	1.0755
#2	-.00005	7.2653	.00022	.00887	.00366	.06642	1.1373	1.1302

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00339	.00010	276.45	-.00029	.04650	.64319	.00014	.01946
Stddev	.00026	.00079	.31	.00010	.00039	.02456	.00038	.00167
%RSD	7.6952	755.48	.11261	34.005	.84857	3.8189	269.36	8.5650

#1	.00358	.00066	276.23	-.00022	.04678	.66056	-.00013	.01828
#2	.00321	-.00045	276.67	-.00036	.04622	.62582	.00041	.02064

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17163	.27265	-.00083	.00234	.00592	-.0009	.02924	3.5796
Stddev	.00200	.00018	.00045	.00070	.00069	.0007	.00006	.0263
%RSD	1.1658	.06594	54.874	29.847	11.670	76.93	.19235	.73550

#1	.17022	.27278	-.00115	.00185	.00641	-.0014	.02928	3.5982
#2	.17305	.27253	-.00051	.00284	.00543	-.0004	.02920	3.5610

Elem	U_3859
Units	ppm
Avg	1.1947
Stddev	.3760
%RSD	31.470

#1	1.4606
#2	.92885



Sample Name: J5772-08 Acquired: 11/21/2018 17:31:08 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PL-01-112018 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3062.9	43508.	4312.3	97.633	3161.0
Stddev	20.0	55.	19.6	1.152	18.2
%RSD	.65376	.12586	.45421	1.1802	.57467
#1	3048.7	43470.	4298.5	96.818	3148.2
#2	3077.0	43547.	4326.2	98.448	3173.9



Sample Name: J6014-02 Acquired: 11/21/2018 17:35:17 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TS-BUCKETS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01101	-.00509	.00166	-.00061	-.00004	.29141	.19063	.00008
Stddev	.00401	.00056	.00064	.00130	.00113	.00795	.00792	.00002
%RSD	36.410	11.077	38.228	211.23	2973.4	2.7273	4.1527	28.828

#1	.01384	-.00549	.00121	-.00153	.00076	.28579	.18503	.00006
#2	.00817	-.00469	.00211	.00030	-.00083	.29703	.19622	.00010

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00052	6.7793	.00022	.00263	.00155	2.2402	.93482	.34146
Stddev	.00008	.3208	.00002	.00017	.00023	.1044	.00241	.01948
%RSD	15.156	4.7322	10.943	6.3662	14.602	4.6607	.25787	5.7060

#1	.00047	6.5524	.00020	.00251	.00139	2.1664	.93653	.35524
#2	.00058	7.0061	.00024	.00275	.00171	2.3141	.93312	.32768

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00325	.00005	269.52	.00239	.57162	.60888	.00006	.00419
Stddev	.00050	.00007	7.29	.00001	.02382	.03304	.00001	.01008
%RSD	15.251	129.02	2.7043	.37475	4.1668	5.4257	13.714	240.33

#1	.00290	.00010	264.36	.00239	.55478	.58552	.00007	-.00293
#2	.00360	.00000	274.67	.00240	.58846	.63224	.00005	.01132

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15488	.65254	-.00083	.00447	.00433	.0129	.01807	3.1221
Stddev	.00517	.01771	.00125	.00076	.00045	.0011	.00048	.4079
%RSD	3.3407	2.7144	151.59	16.907	10.353	8.807	2.6781	13.064

#1	.15122	.64001	.00006	.00394	.00401	.0137	.01773	2.8337
#2	.15853	.66506	-.00171	.00501	.00465	.0121	.01842	3.4105

Elem	U_3859
Units	ppm
Avg	1.4721
Stddev	.0858
%RSD	5.8312

#1	1.4114
#2	1.5328



Sample Name: J6014-02 Acquired: 11/21/2018 17:35:17 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TS-BUCKETS Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3046.5	43535.	4368.8	99.943	3158.7
Stddev	3.7	98.	129.4	3.783	15.2
%RSD	.12127	.22502	2.9616	3.7852	.48132
#1	3043.9	43466.	4460.3	102.62	3169.5
#2	3049.2	43604.	4277.3	97.268	3148.0



Sample Name: CCV07 Acquired: 11/21/2018 17:39:26 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14224 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.3407	4.9624	5.2583	5.2100	5.4663	10.431	10.137
Stddev	.1754	.1596	.1740	.1819	.1916	.473	.057
%RSD	3.2851	3.2173	3.3092	3.4918	3.5044	4.5339	.56268
#1	5.2166	4.8495	5.1353	5.0813	5.3308	10.765	10.177
#2	5.4647	5.0753	5.3814	5.3386	5.6017	10.096	10.097

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25140	2.4989	26.597	.90489	2.5682	1.2884	4.7762
Stddev	.01500	.0806	.041	.05577	.0862	.0446	.0072
%RSD	5.9651	3.2262	.15322	6.1636	3.3565	3.4637	.15058
#1	.26200	2.4419	26.626	.94433	2.5073	1.2568	4.7813
#2	.24080	2.5559	26.569	.86545	2.6292	1.3199	4.7711

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5407	23.565	2.4311	1.1987	23.039	2.2890	2.6827
Stddev	.1516	.153	.0807	.0718	.151	.1387	.0283
%RSD	5.9658	.64849	3.3192	5.9885	.65678	6.0577	1.0565
#1	2.6479	23.673	2.3741	1.2494	23.146	2.3871	2.7027
#2	2.4335	23.457	2.4882	1.1479	22.932	2.1910	2.6627

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.662	4.9408	4.8112	4.7429	4.7742	5.0310	4.9245
Stddev	.092	.1758	.0277	.1735	.0583	.1674	.0125
%RSD	.40609	3.5576	.57602	3.6590	1.2209	3.3284	.25437
#1	22.727	4.8165	4.8308	4.6202	4.8154	4.9126	4.9334
#2	22.597	5.0651	4.7916	4.8656	4.7330	5.1494	4.9156

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9840	4.931	4.8528	F 3.8574	F 2.4879
Stddev	.0238	.161	.0315	.8298	.2836
%RSD	.47796	3.273	.64901	21.513	11.401
#1	5.0008	4.817	4.8751	4.4441	2.2874
#2	4.9671	5.045	4.8305	3.2706	2.6885



Sample Name: CCV07 Acquired: 11/21/2018 17:39:26 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14224 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3059.1	44576.	4377.2	96.533	3122.5
Stddev	89.3	2249.	36.4	1.557	84.9
%RSD	2.9178	5.0450	.83204	1.6133	2.7192
#1	3122.3	42986.	4351.5	95.432	3182.5
#2	2996.0	46166.	4403.0	97.634	3062.5



Sample Name: CCB07 Acquired: 11/21/2018 17:56:31 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00132	-.00051	-.00359	-.00223	-.00003	.01253	-.00011
Stddev	.00122	.00016	.00046	.00003	.00024	.00134	.00026
%RSD	92.664	31.583	12.753	1.2487	734.87	10.684	236.59

#1	-.00045	-.00062	-.00391	-.00225	-.00020	.01158	-.00029
#2	-.00218	-.00039	-.00326	-.00221	.00014	.01347	.00007

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.00005	-.03110	.00020	.00022	-.00044	.00262
Stddev	.00003	.00007	.00488	.00005	.00010	.00024	.00128
%RSD	62.887	158.26	15.680	23.953	45.110	53.577	48.919

#1	.00003	-.00010	-.02765	.00016	.00015	-.00027	.00353
#2	.00007	.00001	-.03455	.00023	.00029	-.00061	.00171

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	-.04913	.00060	.00002	.12065	-.00011	-.00160
Stddev	.00000	.00785	.00037	.00005	.00856	.00019	.00007
%RSD	.35866	15.976	61.068	229.45	7.0938	182.55	4.3399

#1	-.00012	-.04358	.00034	-.00001	.12670	.00003	-.00155
#2	-.00012	-.05468	.00086	.00005	.11459	-.00024	-.00165

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11094	-.00018	.00447	-.00558	.00395	-.00162	.00078
Stddev	.01450	.00009	.00028	.00226	.00202	.00008	.00052
%RSD	13.067	49.218	6.3297	40.582	51.025	4.7961	66.103

#1	.10069	-.00012	.00427	-.00398	.00538	-.00156	.00115
#2	.12119	-.00025	.00467	-.00718	.00253	-.00167	.00042

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00155	-.0037	-.00006	F 2.0872	F<.00000
Stddev	.00144	.0006	.00001	.1749	.04639
%RSD	92.945	15.23	12.095	8.3779	66.656

#1	-.00257	-.0041	-.00007	1.9636	-.10241
#2	-.00053	-.0033	-.00006	2.2109	-.03680



Sample Name: CCB07 Acquired: 11/21/2018 17:56:31 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3258.3	47418.	4422.6	101.75	3647.2
Stddev	32.9	93.	20.3	.73	34.6
%RSD	1.0086	.19677	.45989	.72025	.94866
#1	3235.1	47484.	4436.9	102.26	3622.7
#2	3281.6	47352.	4408.2	101.23	3671.6



Sample Name: PB115026BS Acquired: 11/21/2018 18:00:36 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.79327	1.8954	.97476	1.9661	.82219	2.0222	.20505
Stddev	.01881	.0503	.03057	.0428	.01961	.0180	.00587
%RSD	2.3708	2.6559	3.1365	2.1755	2.3846	.88965	2.8650

#1	.77997	1.8598	.95314	1.9359	.80833	2.0095	.20090
#2	.80657	1.9310	.99638	1.9964	.83606	2.0350	.20920

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19747	.18409	1.0592	.36626	.19399	.31186	2.7456
Stddev	.00063	.00509	.0369	.00017	.00572	.00779	.1232
%RSD	.31797	2.7647	3.4844	.04750	2.9478	2.4975	4.4858

#1	.19792	.18049	1.0331	.36614	.18994	.30635	2.6585
#2	.19703	.18768	1.0853	.36638	.19803	.31737	2.8327

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21201	1.8889	.46105	.06833	2.8195	.27221	.20729
Stddev	.00028	.0143	.01347	.00025	.0606	.00055	.00700
%RSD	.13439	.75935	2.9215	.35942	2.1486	.20152	3.3746

#1	.21181	1.8990	.45152	.06850	2.7767	.27259	.20235
#2	.21222	1.8787	.47057	.06815	2.8624	.27182	.21224

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.9548	.38815	.27611	F -.00978	.87095	.64412	.19094
Stddev	.1586	.00872	.00747	.00194	.00231	.02142	.00412
%RSD	1.7706	2.2455	2.7047	19.847	.26480	3.3262	2.1586

#1	8.8427	.38199	.27083	-.01115	.86932	.62897	.18803
#2	9.0669	.39431	.28139	-.00840	.87258	.65927	.19386

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19764	F 5.148	.19013	F 1.7769	F<.00000
Stddev	.00220	.150	.00394	.3436	.13812
%RSD	1.1155	2.920	2.0743	19.335	13.392

#1	.19608	5.042	.18735	1.5340	-.93364
#2	.19920	5.255	.19292	2.0198	-1.1290



Sample Name: PB115026BS Acquired: 11/21/2018 18:00:36 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3298.6	47156.	4538.8	105.38	3605.2
Stddev	57.5	15.	47.7	3.12	86.1
%RSD	1.7426	.03170	1.0512	2.9584	2.3876
#1	3339.2	47167.	4572.6	107.59	3666.1
#2	3257.9	47146.	4505.1	103.18	3544.4



Sample Name: PB115026BL Acquired: 11/21/2018 18:04:27 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00126	-.00008	-.00427	-.00038	.00008	.00634	-.00076
Stddev	.00104	.00083	.00057	.00175	.00271	.00386	.00015
%RSD	82.703	1089.4	13.380	455.25	3340.2	60.980	19.990

#1	-.00052	.00051	-.00468	.00085	.00200	.00907	-.00066
#2	-.00200	-.00066	-.00387	-.00162	-.00183	.00360	-.00087

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00005	-.00399	.00004	-.00003	.00006	.00405
Stddev	.00006	.00008	.01360	.00004	.00005	.00021	.00714
%RSD	280.23	171.26	340.89	100.46	167.22	371.68	176.40

#1	.00007	-.00001	-.01360	.00007	-.00006	.00020	-.00100
#2	-.00002	.00011	.00563	.00001	.00000	-.00009	.00910

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	-.00896	.00029	-.00020	-.01249	-.00033	-.00177
Stddev	.00004	.02068	.00059	.00054	.00225	.00033	.00007
%RSD	35.268	230.66	206.30	274.28	18.005	99.346	3.8119

#1	-.00015	.00566	.00070	.00018	-.01090	-.00010	-.00172
#2	-.00009	-.02359	-.00013	-.00057	-.01408	-.00056	-.00182

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00082	-.00003	-.00136	-.00641	-.00073	-.00186	-.00064
Stddev	.02200	.00058	.00545	.00070	.00011	.00105	.00086
%RSD	2674.8	1801.0	400.29	10.881	14.564	56.483	135.82

#1	.01473	-.00044	-.00521	-.00690	-.00065	-.00260	-.00003
#2	-.01638	.00038	.00249	-.00592	-.00080	-.00112	-.00125

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00370	-.0024	-.00010	F 1.8459	F .45552
Stddev	.00070	.0002	.00002	.1313	.39452
%RSD	18.830	7.175	18.082	7.1133	86.607

#1	-.00419	-.0025	-.00011	1.7530	.73449
#2	-.00321	-.0023	-.00009	1.9387	.17656



Sample Name: PB115026BL Acquired: 11/21/2018 18:04:27 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3239.1	48152.	4474.9	102.17	3620.4
Stddev	47.3	114.	3.3	.20	53.1
%RSD	1.4610	.23594	.07355	.19819	1.4661
#1	3272.6	48232.	4472.5	102.31	3658.0
#2	3205.7	48071.	4477.2	102.03	3582.9



Sample Name: PB115004BS Acquired: 11/21/2018 18:08:32 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.83105	1.9535	1.0295	1.9852	.86952	2.1727	.22739
Stddev	.00006	.0329	.0139	.0119	.00099	.0220	.00677
%RSD	.00684	1.6851	1.3467	.59971	.11391	1.0111	2.9757

#1	.83109	1.9302	1.0197	1.9767	.86882	2.1882	.23217
#2	.83101	1.9768	1.0393	1.9936	.87022	2.1572	.22260

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20018	.19387	F 1.2189	.39509	.21013	.32725	3.1370
Stddev	.00274	.00255	.0607	.00544	.00310	.00151	.1248
%RSD	1.3672	1.3152	4.9786	1.3776	1.4742	.46159	3.9776

#1	.20212	.19207	1.2618	.39894	.20794	.32618	3.2253
#2	.19825	.19568	1.1759	.39125	.21232	.32832	3.0488

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22672	2.0976	.49179	.07001	3.0010	.29745	.22292
Stddev	.00341	.0831	.00794	.00059	.0970	.00528	.00948
%RSD	1.5021	3.9599	1.6153	.84180	3.2308	1.7749	4.2542

#1	.22913	2.1563	.48618	.07042	3.0695	.30118	.22963
#2	.22431	2.0388	.49741	.06959	2.9324	.29371	.21621

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.5041	.42711	.31323	F .12388	.91058	.68865	.21224
Stddev	.3134	.00327	.02456	.00356	.03874	.01039	.00724
%RSD	3.2972	.76456	7.8406	2.8763	4.2544	1.5090	3.4135

#1	9.7257	.42480	.33059	.12136	.93798	.68130	.21736
#2	9.2826	.42942	.29586	.12640	.88319	.69600	.20712

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21222	F 5.328	.20594	F 2.1374	F<.00000
Stddev	.00511	.076	.00737	.1792	.47230
%RSD	2.4085	1.430	3.5787	8.3847	25.847

#1	.21583	5.275	.21115	2.2641	-1.4933
#2	.20860	5.382	.20073	2.0107	-2.1613



Sample Name: PB115004BS Acquired: 11/21/2018 18:08:32 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3227.7	46913.	4493.2	102.48	3541.1
Stddev	13.3	634.	143.9	4.40	42.2
%RSD	.41223	1.3509	3.2027	4.2929	1.1919
#1	3237.1	46465.	4391.4	99.366	3571.0
#2	3218.3	47361.	4594.9	105.59	3511.3



Sample Name: J5993-01 Acquired: 11/21/2018 18:12:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180925-WCC Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13536	-.00828	.86798	-.02163	.01009	90.160	.46757
Stddev	.00246	.00055	.00351	.00314	.00249	1.286	.00758
%RSD	1.8159	6.6828	.40399	14.504	24.665	1.4266	1.6206

#1	.13363	-.00789	.87046	-.02384	.01185	89.251	.46221
#2	.13710	-.00868	.86550	-.01941	.00833	91.070	.47293

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00738	.00858	155.59	.35620	.10724	1.4857	247.18
Stddev	.00005	.00078	3.00	.00409	.00015	.0146	6.77
%RSD	.70806	9.1058	1.9292	1.1495	.14103	.98222	2.7386

#1	.00735	.00913	153.46	.35331	.10713	1.4960	242.40
#2	.00742	.00803	157.71	.35910	.10735	1.4753	251.97

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3782	47.092	.36659	.00787	75.199	.26818	2.2302
Stddev	.0203	.484	.00057	.00081	1.107	.00319	.0552
%RSD	.85355	1.0277	.15663	10.316	1.4720	1.1882	2.4768

#1	2.3639	46.749	.36700	.00729	74.416	.26593	2.1912
#2	2.3926	47.434	.36619	.00844	75.981	.27043	2.2693

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.890	.00999	.14127	F 123.39	2.1858	.23366	1.8931
Stddev	.324	.00021	.00004	.77	.0443	.00072	.0220
%RSD	1.9159	2.0633	.02507	.62321	2.0246	.30990	1.1599

#1	16.662	.00984	.14124	123.93	2.1545	.23417	1.8776
#2	17.119	.01013	.14129	122.85	2.2171	.23315	1.9087

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21614	7.189	.31962	<.00000	F<.00000
Stddev	.00162	.029	.00128	.05595	.86680
%RSD	.75104	.4065	.40038	.76772	1.5455

#1	.21499	7.209	.31871	-7.3278	-55.473
#2	.21729	7.168	.32052	-7.2486	-56.699



Sample Name: J5993-01 Acquired: 11/21/2018 18:12:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180925-WCC Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3356.9	48998.	4990.8	94.936	2966.9
Stddev	20.3	388.	59.6	2.266	16.7
%RSD	.60607	.79232	1.1950	2.3874	.56196
#1	3342.6	49273.	5033.0	96.539	2955.1
#2	3371.3	48724.	4948.6	93.333	2978.7



Sample Name: J5993-02 Acquired: 11/21/2018 18:16:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180926-WCC Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0338	-.00763	2.7825	.00669	.02301	128.62	1.4521
Stddev	.0115	.00147	.0388	.00216	.00190	.83	.0000
%RSD	1.1122	19.302	1.3928	32.345	8.2372	.64512	.00019

#1	1.0257	-.00659	2.7551	.00516	.02435	129.20	1.4521
#2	1.0419	-.00867	2.8099	.00822	.02167	128.03	1.4521

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01030	.03532	31.354	.99499	.13740	3.6777	338.66
Stddev	.00016	.00109	.235	.00044	.00143	.0424	3.14
%RSD	1.5757	3.0896	.75085	.04447	1.0439	1.1524	.92706

#1	.01041	.03454	31.521	.99468	.13638	3.6477	340.88
#2	.01018	.03609	31.188	.99531	.13841	3.7077	336.44

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9352	53.199	.60124	.02183	60.901	.40453	4.2668
Stddev	.0054	.033	.00875	.00028	.069	.00021	.0300
%RSD	.18428	.06280	1.4555	1.2802	.11369	.05276	.70224

#1	2.9390	53.176	.59505	.02202	60.950	.40438	4.2880
#2	2.9314	53.223	.60743	.02163	60.852	.40468	4.2456

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.992	.01181	.12143	F 128.95	1.6632	1.8875	1.9555
Stddev	.018	.00027	.00125	2.16	.0079	.0209	.0084
%RSD	.08558	2.2495	1.0254	1.6732	.47374	1.1058	.42889

#1	21.005	.01162	.12055	127.43	1.6687	1.8727	1.9496
#2	20.979	.01200	.12231	130.48	1.6576	1.9022	1.9615

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.28447	F 14.35	.04062	<.00000	F<.00000
Stddev	.00045	.24	.00328	.52173	.85019
%RSD	.15850	1.658	8.0849	3.5457	.81957

#1	.28415	14.18	.03830	-14.345	-104.34
#2	.28478	14.51	.04295	-15.083	-103.14



Sample Name: J5993-02 Acquired: 11/21/2018 18:16:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180926-WCC Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3529.0	51752.	5271.4	97.532	3012.0
Stddev	14.8	197.	9.5	1.094	26.5
%RSD	.41928	.38024	.17928	1.1218	.88051
#1	3539.5	51613.	5264.7	96.758	3030.7
#2	3518.5	51891.	5278.1	98.305	2993.2



Sample Name: J5993-03 Acquired: 11/21/2018 18:20:08 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180927-WCC Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1625	-.00989	3.1076	.03430	.02846	130.65	1.9194
Stddev	.0129	.00029	.0540	.00090	.00372	.16	.0143
%RSD	1.1068	2.9109	1.7364	2.6371	13.063	.12015	.74226

#1	1.1534	-.01010	3.0694	.03366	.02584	130.76	1.9094
#2	1.1716	-.00969	3.1457	.03494	.03109	130.54	1.9295

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01120	.04566	34.828	.93243	.13932	3.7402	386.17
Stddev	.00006	.00079	.320	.00587	.00264	.0504	6.05
%RSD	.54014	1.7314	.92002	.62922	1.8957	1.3480	1.5658

#1	.01116	.04510	34.602	.93658	.13746	3.7046	381.89
#2	.01124	.04622	35.055	.92829	.14119	3.7759	390.44

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7731	55.092	.67368	.03105	59.360	.45911	5.5114
Stddev	.0105	.401	.01078	.00015	.441	.00220	.0757
%RSD	.37711	.72792	1.5998	.47320	.74314	.48004	1.3738

#1	2.7805	54.808	.66605	.03095	59.048	.45755	5.4579
#2	2.7657	55.375	.68130	.03116	59.672	.46067	5.5650

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.668	.01474	.13422	F 146.05	1.6681	1.8008	2.3728
Stddev	.144	.00019	.01005	2.25	.0271	.0291	.0100
%RSD	.66500	1.2688	7.4902	1.5401	1.6269	1.6153	.42260

#1	21.567	.01461	.12711	144.46	1.6490	1.7803	2.3658
#2	21.770	.01488	.14133	147.64	1.6873	1.8214	2.3799

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.28565	F 16.96	-.00599	<.00000	F<.00000
Stddev	.00382	.25	.00376	.21971	1.9396
%RSD	1.3387	1.492	62.875	1.3216	1.5475

#1	.28295	16.78	-.00332	-16.469	-123.97
#2	.28836	17.13	-.00865	-16.780	-126.71



Sample Name: J5993-03 Acquired: 11/21/2018 18:20:08 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180927-WCC Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3617.0	52863.	5324.0	94.810	3020.1
Stddev	32.6	310.	26.7	1.062	33.7
%RSD	.90168	.58650	.50097	1.1201	1.1172
#1	3640.0	52644.	5342.9	95.560	3044.0
#2	3593.9	53082.	5305.2	94.059	2996.3



Sample Name: J5993-04 Acquired: 11/21/2018 18:24:04 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180928-AME Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11834	-.01381	.67073	-.03436	.00852	132.32	.60960
Stddev	.00136	.00122	.00586	.00210	.00158	.20	.00070
%RSD	1.1480	8.8717	.87415	6.1228	18.501	.14860	.11546

#1	.11738	-.01467	.67488	-.03288	.00741	132.46	.60910
#2	.11930	-.01294	.66658	-.03585	.00964	132.19	.61009

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00914	.00958	763.54	.40005	.10951	1.1250	286.71
Stddev	.00015	.00022	2.99	.00269	.00047	.0018	1.11
%RSD	1.6317	2.2734	.39203	.67124	.42663	.15594	.38871

#1	.00925	.00974	761.43	.40194	.10984	1.1263	287.50
#2	.00904	.00943	765.66	.39815	.10918	1.1238	285.92

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.9656	59.252	.33582	.00677	67.808	.31725	2.8914
Stddev	.0049	.019	.00216	.00047	.109	.00171	.0143
%RSD	.12373	.03272	.64199	7.0204	.16094	.54046	.49540

#1	3.9690	59.238	.33734	.00643	67.731	.31846	2.9015
#2	3.9621	59.265	.33430	.00710	67.885	.31603	2.8813

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.920	.01933	.19380	F 187.20	1.5559	.16674	3.3710
Stddev	.083	.00070	.00518	1.58	.0064	.00284	.0037
%RSD	.30717	3.6033	2.6746	.84165	.41225	1.7015	.11077

#1	26.861	.01884	.19014	188.31	1.5604	.16874	3.3684
#2	26.978	.01982	.19747	186.08	1.5514	.16473	3.3737

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.23075	8.870	3.7109	3.4196	F<.00000
Stddev	.00029	.070	.0069	.4806	.23108
%RSD	.12383	.7837	.18639	14.055	.35985

#1	.23054	8.919	3.7060	3.0798	-64.054
#2	.23095	8.820	3.7158	3.7595	-64.381



Sample Name: J5993-04 Acquired: 11/21/2018 18:24:04 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180928-AME Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3166.0	45803.	4895.5	89.720	2695.3
Stddev	9.7	83.	11.4	.635	28.6
%RSD	.30575	.18156	.23265	.70784	1.0625
#1	3159.2	45744.	4903.5	89.270	2675.0
#2	3172.9	45861.	4887.4	90.169	2715.5



Sample Name: J6017-02 Acquired: 11/21/2018 18:28:01 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: VW-RO-294-CO Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00057	-.00339	-.00096	.00310	-.00165	-.04981	.10990	-.00001
Stddev	.00131	.00052	.00087	.00254	.00204	.00331	.00147	.00001
%RSD	231.24	15.353	90.983	82.007	123.60	6.6459	1.3384	44.777

#1	-.00149	-.00376	-.00034	.00490	-.00021	-.04747	.10886	-.00002
#2	.00036	-.00302	-.00158	.00130	-.00310	-.05215	.11094	-.00001

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	186.39	.01109	-.00002	-.00004	-.05010	.04681	4.5650
Stddev	.00003	1.87	.00005	.00002	.00042	.00607	.00022	.0073
%RSD	42.946	1.0019	.45277	96.837	1032.8	12.123	.48050	.16049

#1	-.00005	185.07	.01112	-.00001	-.00034	-.05440	.04665	4.5702
#2	-.00009	187.71	.01105	-.00003	.00026	-.04581	.04697	4.5598

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.00019	287.31	.00102	.06611	6.5394	.00044	.07719
Stddev	.00014	.00031	.99	.00058	.00004	.0339	.00022	.00146
%RSD	17.937	161.91	.34436	56.110	.05572	.51907	51.113	1.8969

#1	.00066	.00041	288.01	.00143	.06608	6.5154	.00028	.07615
#2	.00085	-.00003	286.62	.00062	.06613	6.5634	.00060	.07822

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.6788	4.3421	-.00208	-.00433	.00822	.0136	1.0381	7.0321
Stddev	.0547	.0060	.00024	.00067	.00035	.0021	.0025	.0525
%RSD	1.1692	.13811	11.598	15.559	4.2261	15.50	.24310	.74609

#1	4.7175	4.3379	-.00225	-.00386	.00797	.0150	1.0363	6.9950
#2	4.6401	4.3464	-.00191	-.00481	.00847	.0121	1.0399	7.0692

Elem	U_3859
Units	ppm
Avg	2.9069
Stddev	.0969
%RSD	3.3333

#1	2.9754
#2	2.8384



Sample Name: J6017-02 Acquired: 11/21/2018 18:28:01 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: VW-RO-294-CO Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2952.6	42122.	4340.2	99.704	3030.9
Stddev	30.3	49.	3.9	.246	32.2
%RSD	1.0266	.11643	.09071	.24634	1.0616
#1	2931.2	42088.	4337.5	99.530	3008.2
#2	2974.0	42157.	4343.0	99.877	3053.7



Sample Name: J6024-02 Acquired: 11/21/2018 18:32:08 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PS-SOIL Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00356	.26493	-.00102	-.00215	.03954	.19489	-.00001
Stddev	.00004	.00125	.00390	.00231	.00068	.00158	.00071	.00002
%RSD	18.087	35.017	1.4731	226.72	31.489	3.9933	.36526	204.62

#1	.00020	-.00445	.26217	.00061	-.00167	.04066	.19438	-.00003
#2	.00025	-.00268	.26769	-.00265	-.00263	.03843	.19539	.00001

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	97.409	.00068	.00123	.00855	-.02196	.20034	1.4454
Stddev	.00001	1.501	.00008	.00003	.00008	.00155	.00077	.0396
%RSD	1.9070	1.5407	11.615	2.0566	.95329	7.0820	.38546	2.7367

#1	.00044	96.348	.00063	.00125	.00850	-.02306	.20088	1.4175
#2	.00045	98.470	.00074	.00122	.00861	-.02086	.19979	1.4734

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00310	-.00058	268.30	-.00012	.14256	.94985	-.00020	.01916
Stddev	.00014	.00048	2.13	.00004	.00222	.01535	.00017	.00004
%RSD	4.5961	81.565	.79369	33.693	1.5568	1.6156	85.525	.21247

#1	.00300	-.00025	266.79	-.00009	.14099	.93900	-.00008	.01919
#2	.00320	-.00092	269.80	-.00015	.14412	.96070	-.00032	.01914

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2666	6.0531	-.00017	-.00173	.00450	.0020	.28425	5.2072
Stddev	.0119	.0341	.00034	.00201	.00008	.0003	.00297	.1221
%RSD	.94175	.56315	196.18	116.51	1.8239	16.89	1.0459	2.3446

#1	1.2581	6.0290	-.00042	-.00315	.00444	.0023	.28215	5.1209
#2	1.2750	6.0772	.00007	-.00030	.00456	.0018	.28636	5.2935

Elem	U_3859
Units	ppm
Avg	2.5973
Stddev	.1404
%RSD	5.4048

#1	2.4980
#2	2.6965



Sample Name: J6024-02 Acquired: 11/21/2018 18:32:08 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PS-SOIL Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3026.6	43264.	4375.8	99.128	3126.0
Stddev	23.5	88.	26.8	.977	31.8
%RSD	.77744	.20359	.61298	.98593	1.0177
#1	3043.2	43326.	4394.8	99.819	3148.5
#2	3009.9	43201.	4356.9	98.437	3103.5



Sample Name: PB115004BL Acquired: 11/21/2018 18:36:17 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	-.00023	-.00275	-.00199	-.00198	.01285	-.00036
Stddev	.00056	.00065	.00127	.00105	.00060	.00044	.00016
%RSD	303.01	282.49	46.263	52.786	30.113	3.4560	44.825

#1	.00058	-.00069	-.00365	-.00125	-.00240	.01317	-.00048
#2	-.00021	.00023	-.00185	-.00273	-.00156	.01254	-.00025

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00001	.01342	-.00004	.00001	-.00015	.00800
Stddev	.00003	.00000	.01724	.00034	.00012	.00014	.00512
%RSD	429.20	59.307	128.47	911.44	1191.3	94.354	63.905

#1	-.00001	-.00000	.00123	.00020	-.00007	-.00005	.00439
#2	.00003	-.00001	.02562	-.00028	.00009	-.00025	.01162

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	-.00821	.00033	.00034	.08478	-.00023	-.00117
Stddev	.00002	.00237	.00015	.00029	.00439	.00004	.00004
%RSD	17.197	28.867	45.418	86.069	5.1816	17.521	3.2079

#1	-.00010	-.00654	.00044	.00013	.08168	-.00026	-.00119
#2	-.00008	-.00989	.00023	.00055	.08789	-.00020	-.00114

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04182	-.00013	-.00445	-.00351	.00320	-.00091	.00075
Stddev	.03488	.00023	.00061	.00005	.00217	.00080	.00040
%RSD	83.413	172.39	13.751	1.2843	67.871	87.671	52.630

#1	.01715	.00003	-.00402	-.00354	.00167	-.00147	.00047
#2	.06648	-.00029	-.00489	-.00347	.00474	-.00035	.00103

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00150	-.0037	-.00008	F 1.7609	F<.00000
Stddev	.00099	.0003	.00001	.0822	.27553
%RSD	65.691	8.364	9.6499	4.6689	75.081

#1	-.00081	-.0039	-.00007	1.8191	-.17215
#2	-.00220	-.0035	-.00009	1.7028	-.56181



Sample Name: PB115004BL Acquired: 11/21/2018 18:36:17 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3267.6	48202.	4476.0	103.86	3651.7
Stddev	6.2	56.	38.4	2.32	4.4
%RSD	.18856	.11579	.85847	2.2297	.12097
#1	3263.3	48242.	4448.8	102.23	3654.8
#2	3272.0	48163.	4503.2	105.50	3648.6



Sample Name: CCV08 Acquired: 11/21/2018 18:48:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.2854	4.8564	5.1815	5.1115	5.3924	10.241	10.209
Stddev	.0090	.0075	.0111	.0057	.0204	.039	.034
%RSD	.17000	.15524	.21501	.11136	.37747	.38086	.33055
#1	5.2917	4.8511	5.1736	5.1155	5.4068	10.268	10.185
#2	5.2790	4.8617	5.1893	5.1075	5.3780	10.213	10.233

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24792	2.4574	26.489	.99211	2.5306	1.2648	4.7612
Stddev	.00168	.0056	.041	.00770	.0028	.0013	.1420
%RSD	.67619	.22956	.15444	.77649	.11166	.09913	2.9828
#1	.24910	2.4534	26.460	.99756	2.5286	1.2656	4.8617
#2	.24673	2.4613	26.518	.98666	2.5326	1.2639	4.6608

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4967	23.717	2.3816	1.1775	23.224	2.4821	2.7007
Stddev	.0181	.078	.0053	.0111	.098	.0145	.0507
%RSD	.72575	.33073	.22403	.94099	.41996	.58392	1.8786
#1	2.5095	23.773	2.3778	1.1854	23.155	2.4924	2.7366
#2	2.4839	23.662	2.3854	1.1697	23.293	2.4719	2.6648

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.151	4.8246	4.7730	4.5971	4.7034	4.9509	4.9584
Stddev	.134	.0063	.0200	.0050	.0114	.0096	.0110
%RSD	.53277	.12972	.41821	.10902	.24219	.19344	.22149
#1	25.056	4.8290	4.7589	4.6006	4.6953	4.9442	4.9662
#2	25.246	4.8202	4.7872	4.5935	4.7114	4.9577	4.9507

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9857	4.838	4.8770	F 3.6225	F 2.5313
Stddev	.0216	.001	.0119	.0970	.6729
%RSD	.43265	.0166	.24387	2.6790	26.583
#1	4.9705	4.838	4.8686	3.6911	2.0555
#2	5.0010	4.837	4.8854	3.5538	3.0071



Sample Name: CCV08 Acquired: 11/21/2018 18:48:13 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3100.8	45372.	4367.5	96.071	3177.6
Stddev	7.7	239.	12.0	1.859	1.6
%RSD	.24856	.52656	.27567	1.9347	.04916
#1	3095.3	45203.	4376.0	94.757	3178.7
#2	3106.2	45541.	4359.0	97.385	3176.5



Sample Name: CCB08 Acquired: 11/21/2018 18:52:00 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00093	.00031	-.00238	-.00137	-.00190	.00747	-.00118
Stddev	.00192	.00032	.00029	.00066	.00024	.01192	.00085
%RSD	206.87	103.34	12.402	48.191	12.738	159.48	71.797

#1	-.00043	.00054	-.00217	-.00091	-.00207	-.00095	-.00178
#2	.00229	.00008	-.00258	-.00184	-.00173	.01590	-.00058

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00007	-.00751	-.00006	.00003	-.00028	.00287
Stddev	.00004	.00007	.01579	.00022	.00002	.00008	.00594
%RSD	68.037	90.340	210.27	392.08	84.253	26.951	206.53

#1	.00003	.00012	.00365	-.00021	.00005	-.00023	.00707
#2	.00009	.00003	-.01867	.00010	.00001	-.00033	-.00132

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.01836	.00083	-.00037	-.03519	-.00044	-.00127
Stddev	.00005	.06589	.00017	.00015	.00245	.00024	.00006
%RSD	34.893	358.78	20.213	40.415	6.9644	55.050	5.0468

#1	-.00018	-.02823	.00071	-.00027	-.03345	-.00027	-.00123
#2	-.00011	.06496	.00094	-.00048	-.03692	-.00061	-.00132

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03290	.00041	.01338	-.00246	.00485	-.00139	-.00170
Stddev	.01019	.00014	.00508	.00303	.00216	.00098	.00031
%RSD	30.978	35.118	37.958	123.03	44.474	70.372	18.142

#1	.02569	.00051	.01698	-.00461	.00638	-.00208	-.00149
#2	.04010	.00031	.00979	-.00032	.00333	-.00070	-.00192

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00334	-.0044	-.00006	F 1.5924	F<.00000
Stddev	.00131	.0010	.00015	.7097	.49088
%RSD	39.132	23.17	239.39	44.567	1203.9

#1	-.00242	-.0051	.00004	1.0906	.30633
#2	-.00427	-.0037	-.00017	2.0942	-.38788



Sample Name: CCB08 Acquired: 11/21/2018 18:52:00 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3267.5	47865.	4489.3	102.23	3648.8
Stddev	26.9	19.	3.7	.79	36.3
%RSD	.82264	.03946	.08298	.77656	.99573
#1	3286.5	47851.	4486.7	102.79	3674.5
#2	3248.5	47878.	4492.0	101.67	3623.2



Sample Name: J5993-05 Acquired: 11/21/2018 18:56:05 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180929-AME Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0648	-.01392	2.7516	.01654	.02852	153.98	1.4702
Stddev	.0096	.00256	.0109	.00297	.00043	.27	.0005
%RSD	.90353	18.379	.39476	17.978	1.5121	.17390	.03194

#1	1.0716	-.01211	2.7592	.01444	.02882	153.80	1.4705
#2	1.0580	-.01573	2.7439	.01865	.02821	154.17	1.4699

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01169	.04067	471.23	.99758	.13695	3.4134	354.50
Stddev	.00010	.00003	1.04	.00585	.00054	.0236	5.54
%RSD	.88353	.07884	.22005	.58647	.39439	.69018	1.5633

#1	.01177	.04069	470.50	1.0017	.13733	3.4300	358.42
#2	.01162	.04065	471.97	.99345	.13657	3.3967	350.58

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2712	61.554	.56122	.02531	59.894	.44916	4.9676
Stddev	.0019	.249	.00246	.00034	.109	.00063	.1080
%RSD	.05950	.40400	.43909	1.3304	.18147	.14057	2.1738

#1	3.2726	61.378	.56296	.02555	59.817	.44871	5.0439
#2	3.2698	61.730	.55947	.02507	59.971	.44961	4.8912

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.601	.01178	.15054	F 165.53	2.0982	1.7446	2.7300
Stddev	.076	.00040	.00478	1.19	.0017	.0062	.0024
%RSD	.26513	3.3987	3.1783	.71729	.07843	.35763	.08606

#1	28.547	.01206	.15392	166.37	2.0971	1.7490	2.7283
#2	28.655	.01150	.14716	164.69	2.0994	1.7402	2.7316

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.30031	F 16.91	2.2409	<.00000	F<.00000
Stddev	.00209	.12	.0091	.18024	1.5056
%RSD	.69729	.7291	.40710	2.7731	1.4370

#1	.29882	16.99	2.2345	-6.3721	-103.71
#2	.30179	16.82	2.2474	-6.6270	-105.84



Sample Name: J5993-05 Acquired: 11/21/2018 18:56:05 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180929-AME Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3370.7	49347.	5163.1	91.061	2744.9
Stddev	23.7	47.	8.8	1.944	23.6
%RSD	.70281	.09447	.17124	2.1347	.86114
#1	3354.0	49314.	5156.8	89.687	2728.2
#2	3387.5	49380.	5169.3	92.436	2761.6



Sample Name: J5993-06 Acquired: 11/21/2018 19:00:01 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180930-AME Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1959	-.01895	3.1604	.02928	.03266	173.98	1.9850
Stddev	.0078	.00149	.0095	.00425	.00056	.72	.0136
%RSD	.65649	7.8698	.30197	14.523	1.7281	.41178	.68475
#1	1.1904	-.02000	3.1536	.03228	.03305	174.48	1.9946
#2	1.2015	-.01789	3.1671	.02627	.03226	173.47	1.9754

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01230	.04863	503.92	.93980	.14561	3.5321	380.05
Stddev	.00027	.00083	3.81	.01292	.00034	.0266	3.24
%RSD	2.2123	1.7128	.75675	1.3746	.23658	.75354	.85141
#1	.01250	.04804	506.62	.94894	.14585	3.5133	382.34
#2	.01211	.04922	501.22	.93067	.14536	3.5509	377.77

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2399	68.060	.66956	.02841	62.052	.53057	5.2961
Stddev	.0430	.441	.00218	.00003	.316	.00585	.0634
%RSD	1.3257	.64857	.32585	.12053	.50861	1.1024	1.1977
#1	3.2703	68.372	.66802	.02844	62.275	.53470	5.3410
#2	3.2096	67.748	.67110	.02839	61.828	.52643	5.2513

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.528	.01410	.19657	F 170.21	2.6708	1.6062	3.5469
Stddev	.115	.00038	.01483	.62	.0216	.0040	.0055
%RSD	.37564	2.6681	7.5426	.36185	.80976	.25118	.15406
#1	30.609	.01384	.20705	169.78	2.6861	1.6034	3.5431
#2	30.447	.01437	.18609	170.65	2.6556	1.6091	3.5508

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.32702	F 19.29	2.4154	<.00000	F<.00000
Stddev	.00394	.05	.0144	.09376	.26327
%RSD	1.2034	.2847	.59507	1.3226	.22779
#1	.32423	19.25	2.4255	-7.1556	-115.39
#2	.32980	19.33	2.4052	-7.0230	-115.76



Sample Name: J5993-06 Acquired: 11/21/2018 19:00:01 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180930-AME Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3357.4	49671.	5269.9	90.644	2692.9
Stddev	11.3	501.	59.9	1.219	.2
%RSD	.33629	1.0088	1.1374	1.3445	.00628
#1	3365.4	49317.	5227.5	89.783	2693.0
#2	3349.4	50025.	5312.3	91.506	2692.8



Sample Name: J6000-01 Acquired: 11/21/2018 19:03:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FS-12072-119 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22354	-.01446	2.8125	-.06701	.01401	172.07	1.0628
Stddev	.00012	.00036	.0415	.00391	.00021	.47	.0036
%RSD	.05427	2.4843	1.4767	5.8316	1.4894	.27357	.33612

#1	.22345	-.01421	2.7831	-.06425	.01386	172.40	1.0654
#2	.22362	-.01471	2.8419	-.06978	.01415	171.74	1.0603

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00799	.02541	54.259	.20784	.21958	2.1060	423.03
Stddev	.00001	.00124	.318	.00307	.00222	.0267	1.24
%RSD	.18117	4.8754	.58686	1.4749	1.0109	1.2697	.29277

#1	.00800	.02454	54.033	.21001	.21802	2.0871	423.91
#2	.00798	.02629	54.484	.20567	.22115	2.1249	422.16

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.3723	56.478	.22582	.00381	2.4906	.88977	4.7637
Stddev	.0204	.681	.00295	.00047	.0112	.00277	.0114
%RSD	.46776	1.2062	1.3048	12.334	.44977	.31092	.23884

#1	4.3867	55.996	.22374	.00347	2.4827	.89172	4.7556
#2	4.3578	56.960	.22790	.00414	2.4986	.88781	4.7717

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.0178	.00214	.03037	1.3786	1.8096	.06514	2.6736
Stddev	.0229	.00004	.00950	.0183	.0137	.00095	.0064
%RSD	.38074	1.7383	31.280	1.3296	.75572	1.4551	.23940

#1	6.0016	.00217	.03709	1.3657	1.7999	.06447	2.6691
#2	6.0340	.00212	.02366	1.3916	1.8193	.06581	2.6781

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.17564	9.214	.70522	<.00000	F<.00000
Stddev	.00063	.090	.00147	.06158	2.2828
%RSD	.35790	.9745	.20911	.32040	1.4385

#1	.17519	9.151	.70418	-19.175	-157.07
#2	.17608	9.278	.70626	-19.262	-160.30



Sample Name: J6000-01 Acquired: 11/21/2018 19:03:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FS-12072-119 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3735.6	54604.	5463.0	94.836	3031.5
Stddev	25.8	14.	35.9	.047	27.2
%RSD	.69194	.02578	.65790	.04961	.89813
#1	3753.8	54614.	5488.5	94.803	3050.8
#2	3717.3	54594.	5437.6	94.869	3012.3



Sample Name: J6003-03 Acquired: 11/21/2018 19:08:00 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: NON-UST-03R- Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00791	-.01279	.08357	-.04928	.00718	141.67	.58425
Stddev	.00108	.00003	.00136	.00107	.00360	.64	.00274
%RSD	13.695	.20060	1.6245	2.1780	50.073	.45062	.46932

#1	.00715	-.01277	.08261	-.05004	.00464	142.13	.58619
#2	.00868	-.01281	.08453	-.04852	.00972	141.22	.58231

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00729	-.00124	14.455	.15347	.16583	.05860	271.91
Stddev	.00006	.00029	.036	.00004	.00184	.00276	.66
%RSD	.78478	23.026	.24876	.02473	1.1099	4.7136	.24208

#1	.00733	-.00144	14.481	.15345	.16453	.05665	272.38
#2	.00725	-.00104	14.430	.15350	.16713	.06055	271.45

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.4517	44.068	.22682	.00165	3.5952	.21508	.94235
Stddev	.0042	.301	.00403	.00061	.0306	.00036	.00809
%RSD	.12073	.68208	1.7745	37.135	.85084	.16866	.85868

#1	3.4547	44.280	.22398	.00122	3.6168	.21483	.93663
#2	3.4488	43.855	.22967	.00209	3.5736	.21534	.94808

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.096	.00190	.04402	1.1080	2.1926	.00998	2.1679
Stddev	.055	.00011	.00513	.0078	.0076	.00043	.0100
%RSD	.36489	5.7684	11.650	.70405	.34651	4.2820	.46176

#1	15.135	.00182	.04039	1.1025	2.1873	.01028	2.1750
#2	15.057	.00198	.04764	1.1135	2.1980	.00968	2.1608

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.25398	3.553	-.18900	<.00000	F<.00000
Stddev	.00140	.032	.00030	.01518	.81667
%RSD	.55041	.8980	.15840	.11541	.99616

#1	.25497	3.530	-.18921	-13.162	-82.560
#2	.25300	3.575	-.18878	-13.140	-81.405



Sample Name: J6003-03 Acquired: 11/21/2018 19:08:00 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NON-UST-03R- Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3767.7	55353.	5553.5	98.773	3137.3
Stddev	19.1	53.	9.4	.244	18.7
%RSD	.50689	.09570	.16945	.24686	.59739
#1	3781.3	55315.	5546.8	98.946	3150.6
#2	3754.2	55390.	5560.1	98.601	3124.1



Sample Name: J6003-03DUP Acquired: 11/21/2018 19:11:58 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NON-UST-03R- Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00500	-.01099	.08312	-.04672	.00747	140.08	.58806
Stddev	.00197	.00169	.00120	.00018	.00086	1.82	.00316
%RSD	39.507	15.333	1.4412	.37925	11.448	1.3005	.53688
#1	.00360	-.00980	.08396	-.04685	.00687	141.37	.58583
#2	.00639	-.01218	.08227	-.04660	.00808	138.80	.59029
Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00727	-.00170	14.392	.15139	.16477	.05268	274.73
Stddev	.00020	.00043	.141	.00277	.00311	.00382	7.74
%RSD	2.7106	25.212	.97925	1.8271	1.8848	7.2440	2.8185
#1	.00713	-.00140	14.292	.15334	.16257	.05538	269.26
#2	.00741	-.00201	14.492	.14943	.16697	.04998	280.21
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.4043	44.515	.22422	.00208	3.6090	.21271	.94525
Stddev	.0562	.188	.00376	.00160	.0034	.00228	.02945
%RSD	1.6514	.42338	1.6787	76.826	.09374	1.0718	3.1154
#1	3.4441	44.382	.22156	.00095	3.6066	.21432	.92442
#2	3.3646	44.648	.22688	.00321	3.6114	.21110	.96607
Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.069	.00148	.04320	1.0885	2.1599	.00959	2.1746
Stddev	.092	.00006	.00332	.0196	.0101	.00022	.0101
%RSD	.61215	4.2690	7.6758	1.8004	.46702	2.2863	.46312
#1	15.004	.00152	.04086	1.0747	2.1528	.00975	2.1675
#2	15.135	.00143	.04555	1.1024	2.1671	.00944	2.1817
Elem	Li6707	P_1774	Sr4077	U_3670	U_3859		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.25589	3.525	-.19150	<.00000	F<.00000		
Stddev	.00125	.050	.00841	.33425	.26448		
%RSD	.48675	1.407	4.3901	2.5309	.32402		
#1	.25501	3.490	-.18556	-12.970	-81.813		
#2	.25677	3.560	-.19744	-13.443	-81.439		



Sample Name: J6003-03DUP Acquired: 11/21/2018 19:11:58 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NON-UST-03R- Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3782.2	55760.	5518.1	97.545	3150.3
Stddev	27.0	825.	28.6	2.662	31.8
%RSD	.71305	1.4794	.51799	2.7286	1.0092
#1	3801.3	55176.	5538.3	99.427	3172.8
#2	3763.2	56343.	5497.9	95.663	3127.8



Sample Name: J6003-03LX5 Acquired: 11/21/2018 19:15:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00216	-.00197	.01527	-.01443	.00153	32.708	.13969	.00177
Stddev	.00077	.00084	.00180	.00349	.00006	.021	.00026	.00000
%RSD	35.433	42.545	11.793	24.162	4.0780	.06477	.18385	.18790

#1	.00162	-.00138	.01655	-.01690	.00149	32.693	.13951	.00177
#2	.00270	-.00257	.01400	-.01197	.00158	32.723	.13987	.00177

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00075	3.6023	.03764	.03286	.02474	55.278	.84944	10.824
Stddev	.00021	.0196	.00012	.00003	.00080	.369	.00815	.083
%RSD	27.287	.54414	.32159	.10457	3.2264	.66785	.95954	.76449

#1	-.00061	3.6162	.03773	.03284	.02530	55.017	.84368	10.765
#2	-.00090	3.5885	.03756	.03288	.02417	55.539	.85520	10.882

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04556	-.00082	.80972	.05091	.19981	3.5944	.00044	-.00468
Stddev	.00019	.00021	.00406	.00020	.00127	.0047	.00001	.00632
%RSD	.41931	25.835	.50127	.38841	.63587	.13092	3.1618	134.95

#1	.04543	-.00067	.80685	.05077	.19891	3.5911	.00043	-.00915
#2	.04570	-.00097	.81259	.05105	.20071	3.5978	.00045	-.00021

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21295	.55004	-.00039	.52559	.05727	.6877	-.03426	<.00000
Stddev	.00306	.00611	.00030	.00124	.00038	.0019	.00049	.20282
%RSD	1.4347	1.1117	75.605	.23566	.66203	.2835	1.4345	17.386

#1	.21511	.55436	-.00060	.52471	.05754	.6891	-.03391	-1.3100
#2	.21079	.54571	-.00018	.52646	.05701	.6863	-.03460	-1.0232

Elem	U_3859
Units	ppm
Avg	1.7298
Stddev	.1034
%RSD	5.9784

#1	1.6567
#2	1.8029



Sample Name: J6003-03LX5 Acquired: 11/21/2018 19:15:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3368.4	49468.	4762.9	101.76	3463.7
Stddev	18.5	152.	15.2	.53	29.3
%RSD	.55045	.30750	.31931	.52146	.84613
#1	3355.3	49575.	4773.6	102.13	3443.0
#2	3381.5	49360.	4752.1	101.38	3484.5



Sample Name: J6003-04 Acquired: 11/21/2018 19:19:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: J6003-03MS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.65885	1.8284	1.0723	1.4369	.14177	149.53	.76005
Stddev	.00416	.0065	.0031	.0044	.00053	.96	.00122
%RSD	.63142	.35746	.29029	.30315	.37249	.64245	.15995
#1	.66180	1.8330	1.0745	1.4400	.14140	148.85	.76091
#2	.65591	1.8238	1.0701	1.4339	.14214	150.21	.75919

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16996	.18757	18.715	.43122	.35704	.31071	235.91
Stddev	.00145	.00089	.023	.00477	.00052	.00325	4.71
%RSD	.85352	.47445	.12230	1.1071	.14575	1.0457	1.9982
#1	.16893	.18820	18.699	.42784	.35741	.31300	232.58
#2	.17099	.18694	18.731	.43459	.35667	.30841	239.24

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.1305	45.576	.68672	.05647	5.8501	.41665	1.3816
Stddev	.0229	.183	.00125	.00060	.0106	.00350	.0170
%RSD	.55411	.40094	.18133	1.0695	.18139	.84103	1.2270
#1	4.1143	45.447	.68761	.05605	5.8426	.41417	1.3696
#2	4.1467	45.706	.68584	.05690	5.8576	.41913	1.3936

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.623	.28376	.22133	1.0905	2.8364	.64640	2.1480
Stddev	.019	.00078	.00151	.0065	.0160	.00106	.0139
%RSD	.08527	.27424	.68199	.59414	.56362	.16448	.64790
#1	22.609	.28431	.22026	1.0951	2.8477	.64715	2.1578
#2	22.636	.28321	.22240	1.0859	2.8251	.64565	2.1382

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.41376	9.618	.01178	<.00000	F<.00000
Stddev	.00069	.066	.00499	.20151	1.1032
%RSD	.16794	.6891	42.380	1.8532	1.6899
#1	.41425	9.665	.01531	-10.731	-64.502
#2	.41326	9.572	.00825	-11.016	-66.062



Sample Name: J6003-04 Acquired: 11/21/2018 19:19:57 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: J6003-03MS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3763.9	54724.	5483.6	98.325	3141.6
Stddev	5.2	58.	22.1	1.426	10.8
%RSD	.13688	.10547	.40280	1.4506	.34353
#1	3760.2	54765.	5468.0	99.334	3133.9
#2	3767.5	54683.	5499.2	97.316	3149.2



Sample Name: J6003-05 Acquired: 11/21/2018 19:23:49 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: J6003-03MSD Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.66255	1.8522	1.0826	1.4467	.14381	148.30	.76430
Stddev	.00740	.0258	.0154	.0086	.00220	1.25	.00561
%RSD	1.1173	1.3930	1.4243	.59800	1.5281	.84244	.73367
#1	.65732	1.8339	1.0717	1.4406	.14225	149.18	.76826
#2	.66779	1.8704	1.0935	1.4528	.14536	147.41	.76033

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16927	.18972	18.760	.43227	.36191	.30824	242.33
Stddev	.00004	.00342	.097	.00005	.00562	.00342	.29
%RSD	.02170	1.8007	.51767	.01138	1.5533	1.1111	.11799
#1	.16924	.18731	18.828	.43231	.35794	.30582	242.53
#2	.16929	.19214	18.691	.43224	.36589	.31067	242.13

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.0746	46.067	.69361	.05710	5.8836	.41453	1.4222
Stddev	.0579	.403	.01080	.00094	.0445	.00057	.0049
%RSD	1.4209	.87535	1.5564	1.6411	.75658	.13720	.34448
#1	4.1155	46.353	.68597	.05644	5.9150	.41493	1.4187
#2	4.0336	45.782	.70124	.05776	5.8521	.41413	1.4257

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.794	.28568	.23929	1.1091	2.8623	.65605	2.1677
Stddev	.119	.00159	.00071	.0170	.0008	.00811	.0008
%RSD	.52307	.55684	.29586	1.5353	.02753	1.2368	.03792
#1	22.879	.28455	.23879	1.0970	2.8617	.65031	2.1671
#2	22.710	.28680	.23979	1.1211	2.8628	.66179	2.1683

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.41807	9.754	.00702	<.00000	F<.00000
Stddev	.00093	.151	.00173	.36245	2.1474
%RSD	.22311	1.544	24.639	3.2038	3.3043
#1	.41741	9.648	.00825	-11.057	-63.471
#2	.41873	9.861	.00580	-11.569	-66.508



Sample Name: J6003-05 Acquired: 11/21/2018 19:23:49 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: J6003-03MSD Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3740.6	55047.	5442.5	95.692	3099.4
Stddev	21.0	354.	29.8	.005	39.4
%RSD	.56046	.64256	.54833	.00539	1.2702
#1	3755.4	54797.	5421.4	95.688	3127.3
#2	3725.8	55297.	5463.6	95.695	3071.6



Sample Name: J6003-03A Acquired: 11/21/2018 19:27:45 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.65801	1.8387	1.0694	1.4340	.14313	148.20	.76349
Stddev	.00248	.0012	.0021	.0028	.00267	1.31	.00856
%RSD	.37717	.06240	.19181	.19829	1.8660	.88474	1.1218
#1	.65626	1.8396	1.0680	1.4361	.14124	147.28	.75744
#2	.65977	1.8379	1.0709	1.4320	.14502	149.13	.76955

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16878	.18787	18.735	.42814	.35794	.30688	240.01
Stddev	.00124	.00063	.314	.00330	.00008	.00454	4.50
%RSD	.73212	.33449	1.6763	.77126	.02330	1.4799	1.8768
#1	.16790	.18743	18.513	.42581	.35799	.30367	243.20
#2	.16965	.18832	18.957	.43048	.35788	.31009	236.83

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.0922	45.872	.68693	.05609	5.8766	.41212	1.3995
Stddev	.0338	.658	.00074	.00099	.0681	.00484	.0385
%RSD	.82491	1.4353	.10730	1.7714	1.1586	1.1749	2.7510
#1	4.0683	45.407	.68745	.05679	5.8284	.40869	1.4268
#2	4.1161	46.338	.68641	.05539	5.9247	.41554	1.3723

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.855	.28367	.22043	1.0900	2.8349	.64957	2.1423
Stddev	.310	.00040	.00458	.0042	.0375	.00181	.0169
%RSD	1.3550	.14076	2.0774	.38534	1.3233	.27818	.78726
#1	22.636	.28339	.22367	1.0871	2.8084	.65084	2.1304
#2	23.074	.28395	.21719	1.0930	2.8614	.64829	2.1542

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.41392	9.637	.00896	<.00000	F<.00000
Stddev	.00706	.047	.00830	.47715	.13775
%RSD	1.7052	.4848	92.583	4.2767	.21770
#1	.40893	9.671	.00309	-11.494	-63.180
#2	.41891	9.604	.01483	-10.820	-63.375



Sample Name: J6003-03A Acquired: 11/21/2018 19:27:45 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3764.0	55257.	5468.5	97.072	3130.3
Stddev	6.4	129.	19.3	2.667	5.3
%RSD	.17122	.23257	.35249	2.7473	.17089
#1	3768.5	55348.	5482.1	95.187	3126.5
#2	3759.4	55166.	5454.8	98.958	3134.1



Sample Name: J6003-07 Acquired: 11/21/2018 19:31:38 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NON-UST-03R- Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03593	-.01323	.09727	-.03924	.00949	135.87	.58618
Stddev	.00147	.00098	.00032	.00258	.00055	1.13	.01090
%RSD	4.0944	7.4017	.32862	6.5635	5.7977	.83433	1.8591

#1	.03697	-.01392	.09750	-.03742	.00910	136.67	.59388
#2	.03489	-.01253	.09705	-.04107	.00988	135.07	.57847

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00816	-.00102	49.096	.15883	.15270	.09294	307.98
Stddev	.00011	.00033	.590	.00072	.00179	.00307	7.41
%RSD	1.3707	32.990	1.2010	.45102	1.1723	3.3067	2.4067

#1	.00824	-.00125	49.513	.15933	.15396	.09077	313.22
#2	.00808	-.00078	48.679	.15832	.15143	.09511	302.74

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.959	52.618	.24165	.00484	4.3060	.25764	6.7472
Stddev	.078	.536	.00301	.00086	.0547	.00018	.1766
%RSD	.55761	1.0190	1.2458	17.803	1.2712	.07092	2.6171

#1	14.014	52.997	.24378	.00545	4.3447	.25751	6.8720
#2	13.904	52.239	.23952	.00423	4.2673	.25777	6.6223

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.348	.00319	.06853	3.6411	1.8238	.01253	2.6133
Stddev	.224	.00025	.01056	.0450	.0121	.00073	.0247
%RSD	1.3716	7.9405	15.405	1.2348	.66645	5.8224	.94671

#1	16.506	.00301	.07599	3.6729	1.8324	.01304	2.6308
#2	16.189	.00337	.06106	3.6093	1.8152	.01201	2.5958

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.26818	4.969	-.16062	<.00000	F<.00000
Stddev	.00230	.054	.00482	.32759	2.3030
%RSD	.85671	1.085	2.9999	2.2953	2.4288

#1	.26981	5.007	-.16403	-14.041	-93.192
#2	.26656	4.931	-.15721	-14.504	-96.449



Sample Name: J6003-07 Acquired: 11/21/2018 19:31:38 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NON-UST-03R- Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3817.4	55866.	5626.0	95.783	3064.1
Stddev	29.4	489.	86.3	2.314	24.0
%RSD	.77068	.87445	1.5336	2.4156	.78273
#1	3796.6	55520.	5565.0	94.147	3047.1
#2	3838.2	56211.	5687.0	97.419	3081.0



Sample Name: CCV09 Acquired: 11/21/2018 19:35:42 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.2411	4.8616	5.1702	5.0543	5.3716	10.228	10.116
Stddev	.0072	.0013	.0049	.0150	.0085	.042	.040
%RSD	.13804	.02633	.09501	.29732	.15789	.40797	.39539

#1	5.2360	4.8625	5.1737	5.0437	5.3656	10.258	10.088
#2	5.2462	4.8607	5.1667	5.0649	5.3776	10.199	10.144

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24914	2.4527	25.992	1.0035	2.5264	1.2621	4.7758
Stddev	.00097	.0003	.529	.0015	.0055	.0020	.0573
%RSD	.38964	.01397	2.0364	.14856	.21737	.16087	1.2007

#1	.24982	2.4529	25.618	1.0046	2.5225	1.2606	4.8163
#2	.24845	2.4524	26.366	1.0024	2.5303	1.2635	4.7352

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5076	23.395	2.3804	1.1863	23.137	2.5084	2.7091
Stddev	.0071	.268	.0015	.0002	.106	.0036	.0037
%RSD	.28167	1.1451	.06215	.01388	.45863	.14342	.13774

#1	2.5125	23.206	2.3794	1.1864	23.062	2.5109	2.7065
#2	2.5026	23.585	2.3814	1.1862	23.212	2.5058	2.7118

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.015	4.8268	4.7077	4.5701	4.7085	4.9426	4.8961
Stddev	.195	.0076	.0408	.0216	.0559	.0032	.0252
%RSD	.77941	.15667	.86776	.47290	1.1868	.06543	.51459

#1	24.877	4.8214	4.6788	4.5854	4.6690	4.9403	4.8782
#2	25.153	4.8321	4.7366	4.5548	4.7480	4.9449	4.9139

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9383	4.814	4.8426	F 3.6472	F 2.4695
Stddev	.0391	.005	.0132	.1986	.3794
%RSD	.79125	.1018	.27266	5.4438	15.362

#1	4.9106	4.810	4.8333	3.7876	2.2013
#2	4.9659	4.817	4.8519	3.5068	2.7378



Sample Name: CCV09 Acquired: 11/21/2018 19:35:42 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3111.3	45205.	4399.6	95.569	3183.7
Stddev	5.7	223.	52.8	.046	.3
%RSD	.18297	.49262	1.2004	.04855	.00856
#1	3115.3	45048.	4436.9	95.602	3183.8
#2	3107.3	45363.	4362.2	95.536	3183.5



Sample Name: CCB09 Acquired: 11/21/2018 19:39:28 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00119	-.00018	-.00227	-.00236	-.00165	.01428	-.00005
Stddev	.00048	.00026	.00104	.00078	.00046	.00473	.00070
%RSD	40.122	143.19	45.955	33.138	27.607	33.135	1373.5

#1	.00085	-.00037	-.00153	-.00181	-.00133	.01093	.00045
#2	.00153	.00000	-.00300	-.00291	-.00198	.01763	-.00055

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00009	.00824	.00013	-.00001	-.00009	.00059
Stddev	.00006	.00005	.01825	.00000	.00028	.00026	.00514
%RSD	105.51	55.606	221.49	1.1903	2041.2	278.30	864.72

#1	.00002	.00005	.02114	.00013	-.00021	.00009	-.00304
#2	.00010	.00012	-.00466	.00013	.00018	-.00028	.00423

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	-.03303	.00074	-.00022	-.08839	-.00019	-.00105
Stddev	.00000	.01087	.00038	.00045	.00567	.00012	.00004
%RSD	4.2799	32.914	51.440	203.38	6.4180	65.483	3.8315

#1	-.00009	-.04071	.00100	.00010	-.08438	-.00010	-.00102
#2	-.00010	-.02534	.00047	-.00054	-.09241	-.00028	-.00107

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00438	.00045	.00355	-.00498	.00574	-.00108	.00087
Stddev	.00884	.00014	.00398	.00036	.00038	.00024	.00125
%RSD	201.89	30.425	111.96	7.1732	6.6847	22.624	143.58

#1	-.01063	.00035	.00074	-.00473	.00601	-.00090	.00176
#2	.00187	.00055	.00637	-.00523	.00547	-.00125	-.00001

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00424	-.0034	.00003	F 1.6324	F<.00000
Stddev	.00137	.0003	.00003	.0792	.61037
%RSD	32.221	8.605	84.782	4.8532	304.16

#1	-.00521	-.0032	.00001	1.6884	.23092
#2	-.00327	-.0036	.00005	1.5764	-.63227



Sample Name: CCB09 Acquired: 11/21/2018 19:39:28 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3290.2	48109.	4469.2	103.11	3685.7
Stddev	49.9	140.	2.0	.43	65.9
%RSD	1.5180	.29126	.04401	.41769	1.7888
#1	3254.8	48010.	4470.6	103.42	3639.1
#2	3325.5	48208.	4467.8	102.81	3732.3



Sample Name: J6003-15 Acquired: 11/21/2018 19:43:34 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NON-UST-05A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00261	-.00949	.10879	-.04043	.00645	110.07	1.2207
Stddev	.00160	.00027	.00083	.00049	.00037	.29	.0092
%RSD	61.322	2.8398	.76098	1.2168	5.7633	.26338	.75539

#1	.00148	-.00930	.10820	-.04078	.00672	109.87	1.2272
#2	.00374	-.00968	.10937	-.04009	.00619	110.28	1.2141

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00942	-.00165	32.315	.17983	.14178	.05789	283.54
Stddev	.00005	.00049	.064	.00009	.00042	.00252	3.26
%RSD	.48094	29.593	.19686	.04906	.29766	4.3467	1.1492

#1	.00945	-.00130	32.360	.17977	.14207	.05967	281.24
#2	.00939	-.00199	32.270	.17990	.14148	.05611	285.85

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.4962	51.802	.25991	.00056	2.1940	.22869	.82180
Stddev	.0055	.296	.00027	.00082	.0051	.00002	.01252
%RSD	.08476	.57050	.10401	146.93	.23082	.00858	1.5232

#1	6.5001	52.011	.26011	-.00002	2.1976	.22868	.81295
#2	6.4923	51.593	.25972	.00114	2.1904	.22870	.83066

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.380	.00108	.02418	.38848	1.5209	.01082	2.2273
Stddev	.062	.00009	.00596	.00158	.0180	.00031	.0120
%RSD	.35471	8.6688	24.663	.40732	1.1854	2.8888	.53708

#1	17.424	.00101	.01996	.38960	1.5336	.01060	2.2357
#2	17.336	.00115	.02839	.38736	1.5081	.01104	2.2188

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.31242	6.569	-.16364	<.00000	F<.00000
Stddev	.00037	.022	.00440	.16099	.56563
%RSD	.11980	.3401	2.6894	1.2258	.70839

#1	.31268	6.584	-.16053	-13.247	-80.247
#2	.31215	6.553	-.16675	-13.020	-79.447



Sample Name: J6003-15 Acquired: 11/21/2018 19:43:34 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NON-UST-05A Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3690.3	53716.	5240.1	96.809	3146.8
Stddev	14.7	125.	21.6	1.275	18.0
%RSD	.39717	.23180	.41292	1.3170	.57238
#1	3679.9	53804.	5224.8	97.711	3134.0
#2	3700.6	53628.	5255.4	95.907	3159.5



Sample Name: J6006-01 Acquired: 11/21/2018 19:47:40 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-WALL- Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05129	-.04620	.10339	.01175	.00048	296.11	5.3904
Stddev	.00171	.00042	.00128	.00028	.00070	.74	.0001
%RSD	3.3355	.91776	1.2403	2.4005	146.44	.24927	.00182

#1	.05250	-.04590	.10430	.01195	.00097	295.58	5.3905
#2	.05008	-.04650	.10249	.01155	-.00002	296.63	5.3904

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03708	.00537	1423.4	.10037	.06526	-.00247	87.317
Stddev	.00008	.00002	5.7	.00011	.00106	.00083	.589
%RSD	.21806	.30791	.39981	.10478	1.6261	33.567	.67433

#1	.03702	.00539	1419.3	.10029	.06601	-.00306	87.734
#2	.03713	.00536	1427.4	.10044	.06451	-.00188	86.901

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.404	277.94	.02822	.00813	17.263	.16446	1.0565
Stddev	.004	.04	.00035	.00035	.018	.00042	.0077
%RSD	.03665	.01433	1.2576	4.3105	.10210	.25366	.73061

#1	11.401	277.97	.02847	.00837	17.251	.16416	1.0620
#2	11.407	277.91	.02797	.00788	17.276	.16475	1.0511

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.369	.00072	.45844	F 123.96	.43395	-.01468	7.2673
Stddev	.030	.00018	.00167	.37	.00429	.00165	.0107
%RSD	.15701	24.490	.36506	.29474	.98941	11.205	.14656

#1	19.347	.00060	.45962	124.22	.43092	-.01584	7.2748
#2	19.390	.00085	.45726	123.70	.43699	-.01352	7.2598

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.29087	3.419	3.6430	^ *****	29.037
Stddev	.00068	.002	.0104	-----	1.301
%RSD	.23449	.0517	.28434	-----	4.4806

#1	.29039	3.420	3.6504	^ -----	28.117
#2	.29135	3.418	3.6357	^ -----	29.957



Sample Name: J6006-01 Acquired: 11/21/2018 19:47:40 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: RS-CON-WALL- Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6153.2	89777.	10198.	78.938	2141.7
Stddev	8.7	98.	18.	.599	6.9
%RSD	.14173	.10883	.17313	.75894	.32188
#1	6147.1	89846.	10185.	78.515	2136.8
#2	6159.4	89707.	10210.	79.362	2146.6



Sample Name: J6006-03 Acquired: 11/21/2018 19:51:56 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-WALL- Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04998	-.05995	.84368	.01724	.01363	311.75	6.2812
Stddev	.00197	.00440	.00126	.00246	.00169	2.00	.0273
%RSD	3.9362	7.3385	.14956	14.246	12.398	.64093	.43451

#1	.05137	-.05684	.84457	.01551	.01243	310.34	6.2619
#2	.04859	-.06306	.84279	.01898	.01482	313.16	6.3005

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03533	.02531	1594.0	.19109	.18869	-.42475	750.38
Stddev	.00045	.00036	3.5	.00086	.00123	.00097	.73
%RSD	1.2727	1.4409	.22264	.45027	.65385	.22885	.09744

#1	.03501	.02557	1591.5	.19048	.18781	-.42544	750.90
#2	.03565	.02505	1596.5	.19169	.18956	-.42406	749.86

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.405	306.76	.10643	.03965	28.161	.18408	3.0884
Stddev	.087	1.31	.00068	.00064	.148	.00067	.0075
%RSD	.64560	.42862	.63891	1.6246	.52575	.36175	.24134

#1	13.344	305.83	.10691	.04010	28.056	.18361	3.0936
#2	13.466	307.69	.10595	.03919	28.266	.18456	3.0831

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.298	.01122	.90882	F 166.56	.77780	-.02328	9.7418
Stddev	.213	.00020	.00453	.43	.00266	.00153	.0251
%RSD	.65997	1.8136	.49812	.25523	.34206	6.5755	.25770

#1	32.147	.01108	.90562	166.26	.77592	-.02220	9.7241
#2	32.449	.01137	.91202	166.86	.77968	-.02436	9.7596

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.32258	4.182	3.5612	^ *****	^ *****
Stddev	.00150	.008	.0109	-----	-----
%RSD	.46513	.1888	.30515	-----	-----

#1	.32152	4.176	3.5535	^ -----	^ -----
#2	.32364	4.188	3.5688	^ -----	^ -----



Sample Name: J6006-03 Acquired: 11/21/2018 19:51:56 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-WALL- Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4842.5	70883.	8146.7	74.595	2011.5
Stddev	3.7	189.	32.4	.117	3.8
%RSD	.07563	.26633	.39807	.15683	.19093
#1	4839.9	71017.	8169.6	74.512	2008.8
#2	4845.1	70750.	8123.7	74.677	2014.2



Sample Name: J6006-05 Acquired: 11/21/2018 19:56:10 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-FLOOR Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06727	-.02136	.73222	-.06946	.00866	199.52	1.1944
Stddev	.00339	.00129	.00070	.00041	.00250	1.24	.0023
%RSD	5.0374	6.0424	.09537	.59578	28.849	.62225	.19443

#1	.06487	-.02044	.73173	-.06975	.01042	198.65	1.1960
#2	.06967	-.02227	.73271	-.06917	.00689	200.40	1.1927

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00987	.07955	1731.3	.36383	.13486	1.3919	260.13
Stddev	.00002	.00095	11.7	.00186	.00014	.0077	3.95
%RSD	.21365	1.1927	.67834	.51054	.10652	.55428	1.5179

#1	.00989	.07887	1723.0	.36251	.13496	1.3865	262.92
#2	.00986	.08022	1739.7	.36514	.13475	1.3974	257.34

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.3703	107.68	.19893	-.00300	11.453	.24935	2.3513
Stddev	.0052	.58	.00017	.00083	.023	.00010	.0408
%RSD	.11815	.53550	.08543	27.665	.19799	.03840	1.7371

#1	4.3740	107.27	.19881	-.00241	11.437	.24928	2.3801
#2	4.3667	108.09	.19905	-.00359	11.469	.24941	2.3224

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.958	.00567	.19612	F 47.583	1.1737	.01494	4.6037
Stddev	.053	.00028	.01317	.058	.0062	.00125	.0172
%RSD	.18918	5.0269	6.7145	.12218	.52683	8.3641	.37305

#1	27.921	.00547	.20543	47.542	1.1780	.01406	4.6158
#2	27.996	.00587	.18681	47.624	1.1693	.01582	4.5916

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.23802	7.167	8.7939	30.475	F<.00000
Stddev	.00074	.019	.0371	.549	.62228
%RSD	.31030	.2698	.42144	1.8015	1.6275

#1	.23750	7.154	8.7677	30.087	-37.796
#2	.23854	7.181	8.8201	30.863	-38.676



Sample Name: J6006-05 Acquired: 11/21/2018 19:56:10 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-FLOOR Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2957.8	41917.	4625.2	86.954	2499.7
Stddev	6.4	77.	7.7	1.573	.9
%RSD	.21685	.18271	.16566	1.8087	.03661
#1	2962.4	41971.	4619.8	85.842	2500.3
#2	2953.3	41863.	4630.6	88.066	2499.0



Sample Name: J6013-01 Acquired: 11/21/2018 20:00:19 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: DISPOSAL-WAS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02709	-.01576	.34349	-.03168	.00734	157.28	.75078
Stddev	.00005	.00034	.00523	.00109	.00019	.01	.00133
%RSD	.19196	2.1743	1.5232	3.4550	2.6399	.00879	.17675

#1	.02706	-.01552	.34719	-.03091	.00747	157.27	.75172
#2	.02713	-.01600	.33979	-.03246	.00720	157.29	.74984

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00804	-.00040	82.153	.23784	.14369	.07993	365.97
Stddev	.00005	.00033	.194	.00123	.00170	.00070	2.87
%RSD	.65045	81.996	.23633	.51575	1.1796	.87802	.78444

#1	.00800	-.00017	82.016	.23870	.14489	.08043	368.00
#2	.00808	-.00063	82.291	.23697	.14249	.07943	363.94

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.7597	47.944	.22466	.00249	20.845	.40140	2.6118
Stddev	.0145	.022	.00310	.00001	.043	.00356	.0180
%RSD	.21501	.04646	1.3819	.31244	.20414	.88784	.69000

#1	6.7494	47.929	.22685	.00249	20.875	.40392	2.6245
#2	6.7699	47.960	.22246	.00250	20.815	.39888	2.5990

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.9124	.00409	.05839	3.4964	2.4417	.02095	3.4285
Stddev	.0379	.00039	.01092	.0428	.0525	.00202	.0060
%RSD	.47877	9.4421	18.700	1.2249	2.1513	9.6493	.17414

#1	7.8857	.00436	.06611	3.5267	2.4788	.02237	3.4327
#2	7.9392	.00382	.05067	3.4661	2.4045	.01952	3.4243

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.13249	9.311	-.13386	<.00000	F<.00000
Stddev	.00112	.130	.00214	.60287	2.8835
%RSD	.84722	1.399	1.6003	4.1260	2.5512

#1	.13328	9.403	-.13538	-15.038	-115.07
#2	.13169	9.219	-.13235	-14.185	-110.99



Sample Name: J6013-01 Acquired: 11/21/2018 20:00:19 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: DISPOSAL-WAS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3870.0	55522.	5566.0	93.459	3042.4
Stddev	34.8	.	2.2	.548	39.9
%RSD	.89837	.00012	.03876	.58673	1.3105
#1	3845.4	55522.	5567.6	93.072	3014.2
#2	3894.6	55522.	5564.5	93.847	3070.6



Sample Name: J5993-07 Acquired: 11/21/2018 20:04:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180899-FIE Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.00052	-.00412	-.00436	-.00008	.01804	.00176	.00001
Stddev	.00098	.00080	.00058	.00102	.00098	.00650	.00086	.00002
%RSD	134.03	154.32	14.155	23.495	1202.0	36.019	49.038	343.58

#1	.00142	-.00005	-.00371	-.00364	.00061	.02264	.00115	.00002
#2	.00004	.00108	-.00453	-.00509	-.00077	.01345	.00237	-.00001

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.01801	.00023	.00000	.00005	.00029	-.00014	.02257
Stddev	.00000	.00801	.00011	.00014	.00004	.00858	.00002	.00396
%RSD	.42338	44.492	47.912	583860.	68.784	2969.2	16.563	17.551

#1	.00011	.01234	.00031	-.00010	.00003	.00635	-.00016	.02537
#2	.00011	.02367	.00015	.00010	.00008	-.00578	-.00013	.01977

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.00013	-.11238	-.00021	.01080	-.07822	-.00010	.01015
Stddev	.00028	.00005	.00488	.00014	.00075	.03512	.00010	.01740
%RSD	37.699	37.803	4.3419	67.036	6.9877	44.900	101.08	171.38

#1	.00054	.00017	-.11583	-.00011	.01027	-.05339	-.00017	.02246
#2	.00093	.00010	-.10893	-.00031	.01133	-.10306	-.00003	-.00215

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00198	.00628	-.00246	-.00028	-.00939	-.0022	.00009	.83627
Stddev	.00084	.00032	.00037	.00136	.00037	.0003	.00004	.02742
%RSD	42.268	5.1552	15.099	480.41	3.9790	14.00	44.511	3.2794

#1	.00139	.00651	-.00220	-.00125	-.00966	-.0025	.00006	.85566
#2	.00257	.00605	-.00272	.00068	-.00913	-.0020	.00012	.81688

Elem	U_3859
Units	ppm
Avg	.59753
Stddev	.35700
%RSD	59.745

#1	.34510
#2	.84997



Sample Name: J5993-07 Acquired: 11/21/2018 20:04:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180899-FIE Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3462.6	49640.	4525.1	106.46	3918.7
Stddev	6.0	621.	196.5	5.24	14.4
%RSD	.17412	1.2507	4.3417	4.9212	.36695
#1	3458.3	49201.	4664.0	110.16	3908.5
#2	3466.8	50079.	4386.2	102.75	3928.8



Sample Name: J5994-01 Acquired: 11/21/2018 20:08:27 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180923-SIT Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00195	-.00291	-.00009	.00138	-.00243	1.0489	.06651
Stddev	.00104	.00269	.00009	.00061	.00130	.0331	.00324
%RSD	53.510	92.381	104.51	44.347	53.457	3.1518	4.8651

#1	.00268	-.00101	-.00016	.00181	-.00335	1.0723	.06880
#2	.00121	-.00481	-.00002	.00094	-.00151	1.0255	.06422

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	-.00005	23.105	.02936	.00067	.00549	1.4909
Stddev	.00000	.00002	.807	.00028	.00004	.00071	.1090
%RSD	7.2610	43.899	3.4926	.93867	6.4336	12.873	7.3139

#1	.00005	-.00006	23.676	.02955	.00064	.00499	1.5681
#2	.00006	-.00003	22.535	.02916	.00070	.00599	1.4138

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08326	9.0816	.01081	-.00011	23.983	.00403	.03122
Stddev	.00016	.4702	.00013	.00045	1.180	.00038	.00194
%RSD	.18782	5.1771	1.2322	428.18	4.9200	9.4882	6.2274

#1	.08315	9.4140	.01071	.00021	24.817	.00376	.03259
#2	.08337	8.7491	.01090	-.00043	23.149	.00430	.02984

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.6635	.00098	.05206	5.0780	F 10.229	-.00248	.03280
Stddev	.2571	.00002	.00377	.0570	.430	.00022	.00091
%RSD	4.5404	2.4986	7.2409	1.1227	4.2026	9.0314	2.7628

#1	5.8453	.00099	.05472	5.0377	10.533	-.00232	.03344
#2	5.4817	.00096	.04939	5.1183	9.9251	-.00264	.03216

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00158	.2300	.13153	2.9513	1.4769
Stddev	.00054	.0034	.00692	.0134	.1063
%RSD	33.795	1.484	5.2614	.45315	7.1961

#1	-.00196	.2276	.13643	2.9418	1.4017
#2	-.00120	.2324	.12664	2.9607	1.5520



Sample Name: J5994-01 Acquired: 11/21/2018 20:08:27 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180923-SIT Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3297.9	46474.	4525.3	102.88	3516.2
Stddev	19.6	266.	180.8	6.80	18.3
%RSD	.59565	.57169	3.9949	6.6109	.52150
#1	3311.8	46286.	4397.5	98.075	3529.2
#2	3284.0	46661.	4653.2	107.69	3503.2



Sample Name: J5994-02 Acquired: 11/21/2018 20:12:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180924-FIE Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	.00018	-.00418	-.00030	-.00137	.04904	.00420	.00004
Stddev	.00111	.00081	.00013	.00068	.00065	.00282	.00046	.00001
%RSD	944.66	461.27	3.0427	230.10	47.549	5.7592	10.833	17.754

#1	.00067	.00075	-.00427	.00019	-.00183	.04704	.00388	.00003
#2	-.00090	-.00040	-.00409	-.00078	-.00091	.05104	.00452	.00004

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.03428	.00027	.00004	.00002	.00094	-.00016	-.05079
Stddev	.00003	.00540	.00021	.00010	.00023	.00083	.00000	.03001
%RSD	99.079	15.755	75.676	265.92	1009.4	88.192	2.5642	59.081

#1	.00005	.03810	.00013	.00011	-.00014	.00035	-.00016	-.02957
#2	.00001	.03046	.00042	-.00003	.00018	.00153	-.00015	-.07201

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00094	-.00020	-.09612	-.00029	.01053	-.08439	-.00023	.01220
Stddev	.00002	.00049	.00557	.00017	.00002	.02194	.00000	.00480
%RSD	1.6484	248.17	5.7912	59.300	.18999	26.002	1.3039	39.374

#1	.00093	-.00054	-.09219	-.00041	.01055	-.09990	-.00023	.01559
#2	.00096	.00015	-.10006	-.00017	.01052	-.06887	-.00022	.00880

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00097	.02952	-.00256	-.00106	-.00905	-.0014	.00013	1.0256
Stddev	.00107	.00161	.00018	.00074	.00069	.0014	.00008	.6427
%RSD	109.82	5.4563	7.1884	69.444	7.6802	99.74	60.261	62.662

#1	.00022	.03066	-.00269	-.00158	-.00954	-.0024	.00019	.57119
#2	.00172	.02838	-.00243	-.00054	-.00855	-.0004	.00008	1.4801

Elem	U_3859
Units	ppm
Avg	.37927
Stddev	.27019
%RSD	71.239

#1	.57032
#2	.18822



Sample Name: J5994-02 Acquired: 11/21/2018 20:12:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 20180924-FIE Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3466.4	50360.	4529.6	106.22	3922.4
Stddev	23.0	1756.	25.5	.42	14.6
%RSD	.66475	3.4861	.56348	.39184	.37215
#1	3482.7	51602.	4511.5	105.93	3932.7
#2	3450.1	49119.	4547.6	106.52	3912.0



Sample Name: J5996-14 Acquired: 11/21/2018 20:16:35 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-05-B Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00594	-.00798	.09203	-.02106	.00598	97.416	1.1925
Stddev	.00094	.00123	.00062	.00154	.00067	.558	.0098
%RSD	15.896	15.476	.67464	7.3282	11.170	.57309	.82285

#1	.00661	-.00711	.09159	-.02215	.00551	97.811	1.1995
#2	.00528	-.00885	.09247	-.01997	.00645	97.021	1.1856

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00864	-.00297	46.866	.17478	.13344	.03000	239.71
Stddev	.00010	.00052	.285	.00180	.00042	.00231	4.62
%RSD	1.1324	17.581	.60881	1.0323	.31631	7.7101	1.9254

#1	.00857	-.00333	47.068	.17606	.13374	.02836	242.97
#2	.00871	-.00260	46.664	.17350	.13314	.03163	236.44

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.0030	48.431	.30404	-.00018	2.3064	.21496	.71809
Stddev	.0470	.266	.00298	.00016	.0160	.00171	.01586
%RSD	.58719	.54825	.97911	86.350	.69405	.79356	2.2084

#1	8.0362	48.618	.30614	-.00029	2.3178	.21616	.72931
#2	7.9698	48.243	.30193	-.00007	2.2951	.21375	.70688

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.535	.00352	.05724	.28662	2.4794	.00947	1.9726
Stddev	.110	.00020	.00877	.00370	.0192	.00110	.0130
%RSD	.62707	5.7293	15.328	1.2910	.77328	11.569	.66111

#1	17.613	.00338	.06344	.28923	2.4930	.01025	1.9819
#2	17.458	.00366	.05104	.28400	2.4658	.00870	1.9634

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.27639	6.795	-.14681	<.00000	F<.00000
Stddev	.00123	.040	.00478	.00969	.89147
%RSD	.44322	.5917	3.2554	.10515	1.7817

#1	.27725	6.824	-.15019	-9.2262	-49.404
#2	.27552	6.767	-.14343	-9.2125	-50.665



Sample Name: J5996-14 Acquired: 11/21/2018 20:16:35 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-05-B Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3770.3	53814.	5240.3	95.037	3187.8
Stddev	18.3	380.	39.1	1.881	16.0
%RSD	.48601	.70556	.74677	1.9788	.50052
#1	3757.4	53546.	5212.7	93.707	3176.5
#2	3783.3	54083.	5268.0	96.366	3199.0



Sample Name: J5996-17 Acquired: 11/21/2018 20:20:37 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-B Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02077	-.01079	2.1865	-.02550	.00800	130.74	1.4695
Stddev	.00116	.00035	.0257	.00092	.00269	1.58	.0069
%RSD	5.5939	3.2212	1.1734	3.6036	33.607	1.2123	.46703

#1	.02159	-.01104	2.2046	-.02485	.00610	131.86	1.4743
#2	.01995	-.01054	2.1683	-.02615	.00990	129.61	1.4646

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01021	.00966	115.00	.24369	.18712	.73726	283.25
Stddev	.00020	.00078	1.01	.00128	.00247	.00796	.42
%RSD	1.9290	8.0245	.88209	.52383	1.3179	1.0793	.14763

#1	.01035	.01021	115.72	.24459	.18887	.74289	282.96
#2	.01007	.00912	114.28	.24279	.18538	.73163	283.55

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.1129	65.564	.65845	.00074	6.4427	.30861	3.7052
Stddev	.0300	.378	.00579	.00021	.0132	.00054	.0005
%RSD	.49141	.57685	.87878	28.060	.20406	.17360	.01288

#1	6.1342	65.831	.66254	.00059	6.4520	.30899	3.7049
#2	6.0917	65.296	.65436	.00088	6.4334	.30823	3.7056

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.482	.00953	.10070	7.9988	2.6130	.10940	2.7644
Stddev	.099	.00010	.01031	.0647	.0203	.00106	.0101
%RSD	.53586	1.0003	10.243	.80871	.77805	.96800	.36351

#1	18.552	.00946	.09341	8.0445	2.6274	.11015	2.7715
#2	18.412	.00960	.10800	7.9530	2.5987	.10865	2.7573

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.31459	F 14.14	.08616	<.00000	F<.00000
Stddev	.00016	.17	.00184	.57039	1.4507
%RSD	.04939	1.235	2.1362	5.8970	2.0512

#1	.31470	14.26	.08746	-9.2693	-71.748
#2	.31448	14.02	.08486	-10.076	-69.697



Sample Name: J5996-17 Acquired: 11/21/2018 20:20:37 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-B Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3790.4	53955.	5420.7	96.108	3047.5
Stddev	22.2	524.	18.8	.276	28.7
%RSD	.58474	.97155	.34646	.28714	.94194
#1	3774.7	53585.	5407.4	96.303	3027.2
#2	3806.0	54326.	5434.0	95.913	3067.8



Sample Name: CCV10 Acquired: 11/21/2018 20:24:40 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14217 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.1810	4.9912	5.1793	5.0620	5.3023	10.104	10.087
Stddev	.1639	.1519	.1633	.1568	.1587	.018	.023
%RSD	3.1640	3.0437	3.1522	3.0983	2.9922	.17930	.22894

#1	5.0651	4.8838	5.0639	4.9511	5.1901	10.092	10.103
#2	5.2969	5.0986	5.2948	5.1729	5.4145	10.117	10.071

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25085	2.4950	26.443	1.0364	2.5346	1.2721	4.8526
Stddev	.00122	.0755	.059	.0063	.0777	.0402	.0282
%RSD	.48440	3.0243	.22407	.60619	3.0661	3.1626	.58095

#1	.24999	2.4417	26.485	1.0319	2.4796	1.2437	4.8726
#2	.25171	2.5484	26.401	1.0408	2.5895	1.3006	4.8327

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5247	24.076	2.4385	1.2013	23.686	2.6050	2.6958
Stddev	.0104	.182	.0710	.0061	.043	.0094	.0460
%RSD	.41287	.75542	2.9126	.50717	.18077	.36060	1.7077

#1	2.5173	23.947	2.3882	1.1970	23.716	2.5984	2.7284
#2	2.5320	24.204	2.4887	1.2057	23.656	2.6117	2.6633

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.094	4.9606	4.8851	4.7150	4.9733	4.9991	4.9299
Stddev	.010	.1621	.0293	.1319	.0295	.1488	.0060
%RSD	.03810	3.2668	.59928	2.7977	.59375	2.9757	.12182

#1	26.101	4.8460	4.8644	4.6217	4.9942	4.8939	4.9341
#2	26.087	5.0752	4.9058	4.8083	4.9524	5.1043	4.9256

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9585	4.907	4.9046	F 3.6123	F 2.9729
Stddev	.0204	.155	.0044	.1364	.1246
%RSD	.41248	3.155	.09055	3.7754	4.1916

#1	4.9730	4.798	4.9078	3.5159	2.8848
#2	4.9441	5.017	4.9015	3.7087	3.0610



Sample Name: CCV10 Acquired: 11/21/2018 20:24:40 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14217 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3173.9	45412.	4338.4	96.140	3201.2
Stddev	91.2	161.	30.1	1.889	87.6
%RSD	2.8748	.35535	.69267	1.9648	2.7364
#1	3238.4	45526.	4317.1	94.805	3263.2
#2	3109.3	45298.	4359.6	97.476	3139.3



Sample Name: CCB10 Acquired: 11/21/2018 20:28:26 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14217 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00124	.00029	-.00256	-.00070	-.00064	.00387	.00027
Stddev	.00268	.00046	.00042	.00274	.00043	.00602	.00002
%RSD	215.79	162.69	16.453	393.38	66.753	155.41	5.8642

#1	-.00314	-.00004	-.00226	.00124	-.00094	-.00038	.00026
#2	.00065	.00061	-.00286	-.00263	-.00034	.00813	.00029

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00018	-.00925	.00040	.00011	-.00060	-.00701
Stddev	.00009	.00008	.01031	.00045	.00004	.00034	.00412
%RSD	161.70	44.892	111.46	110.79	36.531	57.224	58.748

#1	.00012	.00012	-.00196	.00009	.00008	-.00084	-.00992
#2	-.00001	.00023	-.01654	.00072	.00014	-.00036	-.00410

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	-.02835	.00047	.00009	-.06709	-.00031	-.00111
Stddev	.00001	.02986	.00029	.00004	.01317	.00011	.00005
%RSD	16.782	105.34	63.008	41.269	19.633	35.060	4.3045

#1	-.00006	-.00723	.00067	.00012	-.07641	-.00038	-.00107
#2	-.00005	-.04947	.00026	.00007	-.05778	-.00023	-.00114

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00965	.00057	.00568	-.00353	.00505	-.00098	.00095
Stddev	.00950	.00027	.01340	.00021	.00039	.00062	.00060
%RSD	98.449	48.116	236.07	5.9140	7.6410	63.524	62.423

#1	-.00293	.00077	-.00380	-.00338	.00532	-.00054	.00053
#2	-.01637	.00038	.01516	-.00368	.00478	-.00142	.00138

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00284	-.0025	-.00006	F 1.7818	F<.00000
Stddev	.00173	.0014	.00005	.4523	.60700
%RSD	61.012	55.63	85.613	25.386	1027.3

#1	-.00406	-.0015	-.00009	2.1017	-.48830
#2	-.00161	-.0035	-.00002	1.4620	.37013



Sample Name: CCB10 Acquired: 11/21/2018 20:28:26 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14217 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3379.4	48040.	4381.0	102.04	3733.8
Stddev	8.6	45.	18.2	.16	24.6
%RSD	.25402	.09294	.41620	.15750	.65968
#1	3385.4	48072.	4393.9	101.93	3751.2
#2	3373.3	48009.	4368.1	102.15	3716.4



Sample Name: J5996-25 Acquired: 11/21/2018 20:32:32 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09229	-.03218	.60041	-.03627	.02084	200.42	.77543
Stddev	.00269	.00060	.00150	.00556	.00170	1.65	.00696
%RSD	2.9112	1.8610	.25046	15.324	8.1619	.82081	.89717

#1	.09039	-.03175	.59935	-.03234	.02205	199.26	.78035
#2	.09419	-.03260	.60147	-.04020	.01964	201.58	.77051

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00906	.00202	442.38	.20445	.24106	.62809	513.88
Stddev	.00005	.00169	4.21	.00114	.00052	.01252	17.36
%RSD	.52531	83.702	.95156	.55535	.21547	1.9936	3.3786

#1	.00910	.00082	445.35	.20365	.24143	.61923	526.15
#2	.00903	.00321	439.40	.20525	.24069	.63694	501.60

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.527	111.48	.50486	.00417	17.944	.81052	19.207
Stddev	.247	.61	.00176	.00274	.196	.00577	.718
%RSD	.86636	.54331	.34897	65.682	1.0907	.71180	3.7358

#1	28.352	111.90	.50611	.00610	18.082	.80644	19.715
#2	28.702	111.05	.50362	.00223	17.806	.81459	18.700

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.3607	.00358	1.6688	F 19.183	1.1313	.03292	F 11.204
Stddev	.0806	.00039	.0131	.023	.0099	.00142	.116
%RSD	.96382	10.920	.78491	.12246	.87329	4.3072	1.0387

#1	8.4176	.00331	1.6780	19.200	1.1383	.03392	11.286
#2	8.3037	.00386	1.6595	19.167	1.1244	.03192	11.122

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.17268	7.287	.86306	<.00000	F<.00000
Stddev	.00283	.005	.00417	.29278	1.5135
%RSD	1.6415	.0665	.48355	2.5234	.93362

#1	.17469	7.291	.86011	-11.810	-161.04
#2	.17068	7.284	.86602	-11.396	-163.18



Sample Name: J5996-25 Acquired: 11/21/2018 20:32:32 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-A Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3576.4	50968.	5234.4	88.406	2757.0
Stddev	5.4	325.	66.7	3.332	5.7
%RSD	.15075	.63769	1.2751	3.7690	.20780
#1	3572.6	51198.	5187.2	86.050	2753.0
#2	3580.2	50738.	5281.6	90.762	2761.1



Sample Name: J5996-25DUP Acquired: 11/21/2018 20:36:36 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-ADUP Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09009	-.03053	.57404	-.03503	.01997	200.81	.76182
Stddev	.00036	.00301	.00077	.00130	.00239	.48	.00488
%RSD	.40397	9.8736	.13455	3.7005	11.983	.23925	.64027
#1	.09035	-.03266	.57350	-.03411	.01827	200.47	.76527
#2	.08983	-.02840	.57459	-.03595	.02166	201.15	.75837

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00933	.00390	447.41	.20846	.24199	.64345	498.06
Stddev	.00001	.00142	5.49	.00089	.00055	.00576	11.05
%RSD	.12994	36.381	1.2263	.42616	.22711	.89582	2.2190
#1	.00932	.00290	451.29	.20784	.24238	.63937	505.88
#2	.00933	.00490	443.53	.20909	.24160	.64753	490.25

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.670	110.59	.49240	.00131	17.808	.81089	18.483
Stddev	.098	.96	.00224	.00223	.125	.00290	.510
%RSD	.36775	.86623	.45529	170.42	.70055	.35814	2.7600
#1	26.739	111.27	.49399	.00288	17.897	.81295	18.843
#2	26.601	109.91	.49082	-.00027	17.720	.80884	18.122

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.2311	.00409	1.5333	F 19.809	1.1231	.03240	F 11.086
Stddev	.0864	.00002	.0174	.002	.0057	.00156	.045
%RSD	1.0503	.58551	1.1334	.00956	.51151	4.8298	.40209
#1	8.2923	.00407	1.5456	19.810	1.1271	.03129	11.118
#2	8.1700	.00411	1.5210	19.807	1.1190	.03351	11.055

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.17084	7.424	.88947	<.00000	F<.00000
Stddev	.00212	.006	.00454	.10535	.21314
%RSD	1.2385	.0785	.51004	.92753	.13414
#1	.16934	7.428	.88626	-11.432	-158.74
#2	.17233	7.420	.89268	-11.283	-159.05



Sample Name: J5996-25DUP Acquired: 11/21/2018 20:36:36 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-ADUP Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3574.0	51197.	5300.6	91.035	2740.7
Stddev	3.3	29.	63.2	2.505	1.4
%RSD	.09312	.05669	1.1926	2.7521	.05068
#1	3571.6	51176.	5255.9	89.263	2739.7
#2	3576.3	51217.	5345.3	92.806	2741.7



Sample Name: J5996-25LX5 Acquired: 11/21/2018 20:40:39 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01852	-.00875	.11155	-.00893	.00176	42.838	.17890
Stddev	.00047	.00013	.00013	.00444	.00099	.022	.00341
%RSD	2.5166	1.4925	.11461	49.760	56.332	.05224	1.9075

#1	.01819	-.00866	.11164	-.01207	.00106	42.854	.18131
#2	.01885	-.00885	.11146	-.00579	.00246	42.822	.17648

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00205	-.00121	105.39	.04894	.04469	.16950	99.916
Stddev	.00013	.00025	1.66	.00013	.00008	.00018	2.247
%RSD	6.1732	20.681	1.5744	.26300	.17069	.10525	2.2489

#1	.00196	-.00138	106.56	.04903	.04475	.16937	101.50
#2	.00214	-.00103	104.22	.04885	.04464	.16963	98.327

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.4780	26.651	.09175	-.00100	4.0071	.18935	4.1718
Stddev	.0753	.321	.00019	.00046	.0415	.00113	.1146
%RSD	1.0064	1.2054	.20348	46.521	1.0352	.59466	2.7469

#1	7.4248	26.878	.09188	-.00132	4.0364	.19015	4.2529
#2	7.5312	26.424	.09162	-.00067	3.9777	.18856	4.0908

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8259	.00042	.35092	3.4295	.28090	.00630	2.6337
Stddev	.0113	.00040	.00035	.0181	.00002	.00019	.0314
%RSD	.62087	95.668	.09899	.52745	.00689	2.9671	1.1931

#1	1.8339	.00071	.35067	3.4423	.28089	.00644	2.6560
#2	1.8179	.00014	.35116	3.4167	.28091	.00617	2.6115

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03491	1.320	.22107	<.00000	F<.00000
Stddev	.00018	.003	.00260	.27208	.06158
%RSD	.52647	.2006	1.1745	36.215	3.4616

#1	.03478	1.322	.22291	-.94370	-1.7354
#2	.03504	1.318	.21923	-.55892	-1.8225



Sample Name: J5996-25LX5 Acquired: 11/21/2018 20:40:39 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-A Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3386.0	47846.	4567.2	97.306	3314.7
Stddev	9.9	159.	77.5	2.511	.7
%RSD	.29168	.33332	1.6973	2.5801	.01986
#1	3379.0	47733.	4512.3	95.531	3314.3
#2	3392.9	47959.	4622.0	99.081	3315.2



Sample Name: J5996-25MS Acquired: 11/21/2018 20:44:41 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.71527	1.8428	1.4844	1.5173	.09569	219.68	.89103
Stddev	.00665	.0013	.0038	.0146	.00288	.18	.00134
%RSD	.92979	.07190	.25819	.95984	3.0082	.08398	.15074

#1	.71998	1.8418	1.4817	1.5276	.09773	219.55	.89198
#2	.71057	1.8437	1.4871	1.5070	.09366	219.81	.89008

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18010	.19597	405.80	.52178	.43870	.92932	484.27
Stddev	.00006	.00074	3.08	.00256	.00188	.01033	.35
%RSD	.03110	.37785	.75829	.49049	.42880	1.1112	.07143

#1	.18014	.19650	403.63	.52359	.44003	.93662	484.52
#2	.18006	.19545	407.98	.51997	.43737	.92201	484.03

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.829	107.44	1.0168	.06040	23.125	1.0278	14.271
Stddev	.204	.19	.0008	.00014	.021	.0022	.036
%RSD	1.2147	.17625	.08111	.23381	.09175	.21210	.25123

#1	16.685	107.31	1.0162	.06050	23.110	1.0293	14.245
#2	16.974	107.58	1.0174	.06030	23.140	1.0262	14.296

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.975	.29626	1.6079	F 16.378	1.7376	.65624	F 11.251
Stddev	.033	.00316	.0006	.041	.0014	.00148	.000
%RSD	.19642	1.0650	.04051	.25237	.08251	.22521	.00359

#1	16.951	.29850	1.6075	16.408	1.7366	.65519	11.251
#2	16.999	.29403	1.6084	16.349	1.7386	.65728	11.252

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34830	F 13.04	.92097	<.00000	F<.00000
Stddev	.00079	.04	.00080	.45896	.94425
%RSD	.22600	.2985	.08716	4.3400	.63613

#1	.34774	13.01	.92154	-10.900	-147.77
#2	.34885	13.06	.92041	-10.251	-149.11



Sample Name: J5996-25MS Acquired: 11/21/2018 20:44:41 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-A Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3628.1	51017.	5201.3	89.775	2786.1
Stddev	28.1	8.	26.5	.129	1.1
%RSD	.77400	.01557	.51013	.14418	.03964
#1	3608.2	51023.	5220.1	89.867	2786.9
#2	3647.9	51012.	5182.5	89.684	2785.3



Sample Name: J5996-25MSD Acquired: 11/21/2018 20:48:40 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-AMSD Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.71232	1.8501	1.4870	1.5284	.09336	217.60	.88204
Stddev	.00561	.0116	.0138	.0055	.00128	2.08	.01156
%RSD	.78768	.62583	.92537	.36051	1.3738	.95720	1.3103
#1	.71629	1.8583	1.4968	1.5323	.09427	216.13	.87386
#2	.70835	1.8419	1.4773	1.5245	.09245	219.08	.89021

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17904	.19637	401.26	.52090	.44022	.93750	483.10
Stddev	.00236	.00260	4.12	.00603	.00337	.01447	6.46
%RSD	1.3159	1.3247	1.0271	1.1582	.76467	1.5433	1.3366
#1	.17738	.19821	398.34	.51663	.44260	.94773	478.53
#2	.18071	.19453	404.17	.52516	.43784	.92727	487.66

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.592	106.52	1.0222	.06019	22.954	1.0233	14.217
Stddev	.187	1.13	.0082	.00039	.278	.0118	.218
%RSD	1.1271	1.0583	.79952	.64961	1.2096	1.1527	1.5340
#1	16.459	105.73	1.0280	.05992	22.757	1.0149	14.063
#2	16.724	107.32	1.0164	.06047	23.150	1.0316	14.372

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.922	.29750	1.5820	F 16.422	1.7288	.65566	F 11.143
Stddev	.185	.00255	.0075	.071	.0420	.00585	.127
%RSD	1.0945	.85562	.47120	.43042	2.4309	.89252	1.1433
#1	16.791	.29930	1.5767	16.472	1.6990	.65980	11.053
#2	17.053	.29570	1.5873	16.372	1.7585	.65152	11.233

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34416	F 13.05	.91052	<.00000	F<.00000
Stddev	.00351	.11	.01218	.23989	.92784
%RSD	1.0209	.8376	1.3375	2.2441	.63418
#1	.34167	13.12	.90191	-10.860	-145.65
#2	.34664	12.97	.91913	-10.520	-146.96



Sample Name: J5996-25MSD Acquired: 11/21/2018 20:48:40 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-AMSD Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3616.1	51344.	5245.8	90.173	2785.2
Stddev	24.4	472.	69.1	1.444	20.8
%RSD	.67547	.91882	1.3181	1.6019	.74826
#1	3598.8	51678.	5294.7	91.195	2770.4
#2	3633.4	51010.	5196.9	89.152	2799.9



Sample Name: J5996-25A Acquired: 11/21/2018 20:52:38 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.70920	1.8314	1.4706	1.5169	.09567	219.63	.89737
Stddev	.01047	.0017	.0063	.0061	.00002	1.14	.00688
%RSD	1.4763	.09046	.42965	.40468	.02356	.51677	.76717
#1	.70179	1.8326	1.4661	1.5213	.09568	220.44	.90224
#2	.71660	1.8302	1.4750	1.5126	.09565	218.83	.89250

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18004	.19298	407.73	.52402	.43450	.92744	487.40
Stddev	.00035	.00302	3.37	.00151	.00102	.02019	24.10
%RSD	.19590	1.5666	.82685	.28766	.23586	2.1769	4.9444
#1	.18029	.19084	410.12	.52509	.43378	.91316	504.44
#2	.17979	.19511	405.35	.52296	.43523	.94171	470.36

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.664	108.19	1.0122	.06074	23.271	1.0301	14.260
Stddev	.161	.70	.0016	.00384	.159	.0035	.650
%RSD	.96417	.64288	.15635	6.3156	.68137	.33719	4.5595
#1	16.778	108.68	1.0110	.06345	23.383	1.0326	14.720
#2	16.551	107.70	1.0133	.05803	23.159	1.0277	13.801

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.083	.29706	1.6062	F 16.314	1.7486	.64954	F 11.308
Stddev	.143	.00070	.0582	.042	.0184	.00114	.078
%RSD	.83643	.23652	3.6250	.25951	1.0509	.17590	.68741
#1	17.184	.29656	1.6474	16.285	1.7616	.64874	11.363
#2	16.982	.29755	1.5650	16.344	1.7356	.65035	11.253

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34993	F 12.96	.92557	<.00000	F<.00000
Stddev	.00003	.01	.01637	.23463	1.5354
%RSD	.00902	.0451	1.7692	2.1387	1.0538
#1	.34995	12.96	.91399	-11.136	-144.61
#2	.34991	12.96	.93714	-10.805	-146.79



Sample Name: J5996-25A Acquired: 11/21/2018 20:52:38 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: AOC1-06-A Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3628.1	51115.	5184.5	89.584	2799.0
Stddev	3.1	302.	38.7	4.269	8.5
%RSD	.08606	.59002	.74618	4.7650	.30388
#1	3625.9	50902.	5157.1	86.566	2793.0
#2	3630.3	51329.	5211.8	92.603	2805.0



Sample Name: J6012-01 Acquired: 11/21/2018 20:56:36 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-18 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11194	.00277	39.629	.11278	F -1.4795	49.853	2.8884
Stddev	.00230	.00404	.079	.01655	.0091	.065	.0908
%RSD	2.0560	145.75	.19860	14.676	.61397	.12959	3.1448

#1	.11357	.00563	39.684	.12449	-1.4859	49.898	2.9526
#2	.11031	-.00008	39.573	.10108	-1.4731	49.807	2.8241

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00057	.55211	69.536	F 8.5778	1.3338	F 589.74	F 1745.2
Stddev	.00026	.00474	2.478	.0080	.0029	.59	52.0
%RSD	46.117	.85846	3.5630	.09298	.21856	.09950	2.9796

#1	.00038	.54876	71.288	8.5721	1.3358	590.16	1782.0
#2	.00076	.55546	67.784	8.5834	1.3317	589.33	1708.4

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.5461	18.753	F 963.65	.21758	832.22	.05333	F 151.71
Stddev	.0183	.514	6.09	.00746	23.20	.00009	6.14
%RSD	.21411	2.7392	.63223	3.4299	2.7881	.17765	4.0454

#1	8.5591	19.116	967.95	.22286	848.63	.05340	156.05
#2	8.5332	18.390	959.34	.21230	815.82	.05327	147.37

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	74.706	.06555	F 53.290	F 905.21	4.7533	5.9966	1.0724
Stddev	2.311	.00103	1.322	2.56	.1354	.0086	.0189
%RSD	3.0933	1.5666	2.4812	.28254	2.8493	.14341	1.7641

#1	76.340	.06627	54.225	907.01	4.8491	6.0026	1.0858
#2	73.072	.06482	52.355	903.40	4.6576	5.9905	1.0590

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19970	F 153.8	F -1.4158	<.00000	^ *****
Stddev	.00364	.3	.0408	.35830	-----
%RSD	1.8246	.1849	2.8793	1.7790	-----

#1	.20228	154.0	-1.4446	-19.887	^ -----
#2	.19712	153.6	-1.3870	-20.394	^ -----



Sample Name: J6012-01 Acquired: 11/21/2018 20:56:36 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-18 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2596.7	40117.	4169.4	44.549	2196.4
Stddev	6.1	192.	148.4	1.435	6.7
%RSD	.23633	.47976	3.5582	3.2206	.30620
#1	2592.4	39980.	4064.5	43.535	2191.7
#2	2601.0	40253.	4274.3	45.564	2201.2



Sample Name: J6012-03 Acquired: 11/21/2018 21:01:00 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29253	.03044	F 998.07	.32176	F 58.648	56.145	.48385
Stddev	.09780	.04369	340.01	.18490	22.828	4.352	.00870
%RSD	33.431	143.54	34.067	57.467	38.924	7.7516	1.7978

#1	.22338	.06134	757.65	.45250	42.506	59.222	.49000
#2	.36169	-.00046	1238.5	.19101	74.790	53.067	.47770

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00518	^ *****	9.6978	F 80.813	.85618	236.19	F 1670.7
Stddev	.00043	-----	.9208	7.814	.33932	80.08	404.8
%RSD	8.3739	-----	9.4946	9.6692	39.632	33.905	24.226

#1	-.00548	^ -----	9.0467	86.338	.61624	179.57	1956.9
#2	-.00487	^ -----	10.349	75.287	1.0961	292.82	1384.5

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6958	3.9806	F 882.06	.27154	322.53	.13485	F 303.29
Stddev	.1260	.0149	295.02	.05513	6.93	.01655	78.55
%RSD	7.4280	.37373	33.447	20.302	2.1493	12.270	25.899

#1	1.7849	3.9701	673.45	.31052	327.43	.14655	358.84
#2	1.6068	3.9911	1090.7	.23255	317.63	.12315	247.75

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	443.42	.02970	F 56.097	F 835.48	1.9624	4.5806	.36941
Stddev	7.32	.01192	1.522	310.60	.1228	1.7848	.19904
%RSD	1.6513	40.144	2.7136	37.177	6.2571	38.964	53.880

#1	448.60	.02127	57.173	615.85	2.0492	3.3186	.22867
#2	438.25	.03813	55.020	1055.1	1.8756	5.8427	.51015

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.11002	F 35.44	F -1.5689	<.00000	F<.00000
Stddev	.00292	13.96	.4405	1.7133	1.5319
%RSD	2.6556	39.38	28.079	17.481	1.6304

#1	.11208	25.57	-1.8804	-8.5893	-92.877
#2	.10795	45.30	-1.2574	-11.012	-95.043



Sample Name: J6012-03 Acquired: 11/21/2018 21:01:00 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-19 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3344.3	49691.	4202.7	25.902	2952.6
Stddev	1088.4	4098.	84.8	6.288	1007.8
%RSD	32.544	8.2474	2.0186	24.277	34.134
#1	4113.9	46793.	4142.7	21.456	3665.3
#2	2574.7	52589.	4262.7	30.348	2240.0



Sample Name: J6012-05 Acquired: 11/21/2018 21:05:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17960	-.02540	1.2858	.02381	F -1.7640	.60206	4.7579
Stddev	.00058	.00126	.0207	.00240	.0086	.01646	.0268
%RSD	.32560	4.9527	1.6066	10.096	.48673	2.7343	.56322
#1	.17919	-.02629	1.3004	.02211	-1.7700	.61370	4.7769
#2	.18002	-.02451	1.2712	.02551	-1.7579	.59042	4.7390

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00601	^ *****	3.4547	F 5.5435	1.5019	F 478.63	45.843
Stddev	.00003	-----	.0186	.0406	.0189	.55	.516
%RSD	.43873	-----	.53729	.73182	1.2575	.11537	1.1260
#1	-.00603	^ -----	3.4678	5.5722	1.5153	478.24	46.208
#2	-.00599	^ -----	3.4415	5.5148	1.4886	479.02	45.478

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.67022	.20930	F 946.24	.01011	988.50	.03543	19.133
Stddev	.00433	.06494	3.27	.00138	19.90	.00000	.329
%RSD	.64556	31.027	.34538	13.637	2.0132	.01319	1.7210
#1	.67328	.25522	948.55	.01108	1002.6	.03544	19.366
#2	.66716	.16338	943.93	.00914	974.43	.03543	18.900

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.7241	.14760	F 261.42	F 16.328	.54484	.02707	.29110
Stddev	.0527	.00029	1.40	.193	.00396	.00038	.00322
%RSD	.78379	.19745	.53456	1.1831	.72603	1.4055	1.1073
#1	6.6869	.14780	262.41	16.465	.54764	.02734	.28882
#2	6.7614	.14739	260.44	16.191	.54205	.02680	.29338

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03972	F 244.2	.02257	4.6324	19.541
Stddev	.00174	2.8	.00051	.0523	.257
%RSD	4.3818	1.158	2.2738	1.1298	1.3139
#1	.03849	246.2	.02221	4.6694	19.723
#2	.04095	242.2	.02294	4.5954	19.360



Sample Name: J6012-05 Acquired: 11/21/2018 21:05:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-20 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.1	39069.	4142.7	46.659	2485.1
Stddev	21.3	184.	25.1	.733	36.0
%RSD	.79422	.46979	.60653	1.5712	1.4503
#1	2665.1	38939.	4124.9	46.140	2459.6
#2	2695.2	39199.	4160.4	47.177	2510.6



Sample Name: J6012-07 Acquired: 11/21/2018 21:09:41 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-21 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k -.15797	k .04587	k 1.4889	k -.19326	k 2.4709	48.897	.84854
Stddev	.00291	.00082	.0037	.00088	.0137	.126	.00033
%RSD	1.8418	1.7817	.24942	.45436	.55495	.25711	.03874

#1	k -.15591	k .04644	k 1.4862	k -.19264	k 2.4612	48.986	.84878
#2	k -.16003	k .04529	k 1.4915	k -.19388	k 2.4806	48.808	.84831

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	^ *****	74.026	kF 200.34	k .30823	kF 505.59	k 555.88
Stddev	.00001	----	.497	.05	.00006	2.45	14.88
%RSD	6.2210	----	.67078	.02525	.01936	.48438	2.6773

#1	.00016	-.18144	73.675	k 200.38	k .30819	k 503.86	k 545.35
#2	.00015	^ ----	74.377	k 200.31	k .30827	k 507.32	k 566.40

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7762	41.058	kF 707.81	k -.04052	99.440	^ *****	k 27.776
Stddev	.0024	.092	1.58	.00043	.074	----	.834
%RSD	.08743	.22507	.22314	1.0628	.07431	----	3.0014

#1	2.7779	41.123	k 708.93	k -.04022	99.492	^ ----	k 27.187
#2	2.7745	40.993	k 706.70	k -.04082	99.387	^ ----	k 28.366

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	194.04	.02215	kF 80.264	kF 176.15	kF -1.6973	k .27764	k .15925
Stddev	.08	.00008	.052	.64	.0210	.00101	.00198
%RSD	.04357	.36975	.06430	.36521	1.2341	.36337	1.2433

#1	194.10	.02209	k 80.228	k 176.60	k -1.6825	k .27692	k .16065
#2	193.98	.02220	k 80.301	k 175.69	k -1.7122	k .27835	k .15785

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20334	kF 33.43	k .73626	<.00000	F<.00000
Stddev	.00111	.05	.00012	.35550	.40148
%RSD	.54664	.1430	.01673	7.4875	.62711

#1	.20412	k 33.46	k .73635	-4.4966	-64.305
#2	.20255	k 33.39	k .73617	-4.9994	-63.737



Sample Name: J6012-07 Acquired: 11/21/2018 21:09:41 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-21 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2554.7	49830.	5042.6	64.686	2548.5
Stddev	6.4	135.	15.8	1.883	8.5
%RSD	.25033	.27012	.31386	2.9111	.33235
#1	2559.3	49735.	5053.8	66.017	2542.5
#2	2550.2	49925.	5031.4	63.354	2554.5



Sample Name: CCV11 Acquired: 11/21/2018 21:21:58 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0027	4.9373	5.0275	4.9575	5.1125	9.8740	10.044
Stddev	.0042	.0362	.0261	.0057	.0163	.0272	.007
%RSD	.08329	.73369	.51816	.11553	.31886	.27517	.06911

#1	4.9998	4.9116	5.0091	4.9535	5.1010	9.8932	10.049
#2	5.0057	4.9629	5.0460	4.9616	5.1240	9.8547	10.039

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24783	2.4442	26.272	1.0477	2.4672	1.2453	4.9305
Stddev	.00079	.0138	.192	.0050	.0142	.0067	.0356
%RSD	.31843	.56570	.73129	.47274	.57625	.54178	.72175

#1	.24839	2.4345	26.136	1.0512	2.4571	1.2405	4.9054
#2	.24727	2.4540	26.408	1.0442	2.4773	1.2501	4.9557

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5002	24.267	2.4064	1.1975	23.933	2.6375	2.7212
Stddev	.0054	.009	.0137	.0041	.007	.0029	.0061
%RSD	.21679	.03776	.56714	.34372	.03096	.11148	.22443

#1	2.5041	24.260	2.3968	1.2005	23.938	2.6396	2.7169
#2	2.4964	24.273	2.4161	1.1946	23.928	2.6354	2.7255

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.674	4.9242	5.0392	4.7167	5.1497	4.8812	4.9456
Stddev	.024	.0160	.0254	.0063	.0494	.0286	.0197
%RSD	.08963	.32542	.50402	.13468	.95908	.58615	.39729

#1	26.657	4.9128	5.0212	4.7122	5.1148	4.8610	4.9317
#2	26.690	4.9355	5.0572	4.7212	5.1847	4.9014	4.9595

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.9253	4.854	4.9255	F 3.2641	F 2.6531
Stddev	.0043	.036	.0003	.2669	.1226
%RSD	.08643	.7333	.00507	8.1775	4.6207

#1	4.9223	4.828	4.9254	3.0753	2.7398
#2	4.9283	4.879	4.9257	3.4528	2.5665



Sample Name: CCV11 Acquired: 11/21/2018 21:21:58 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3296.6	45974.	4300.6	94.958	3297.8
Stddev	4.7	266.	3.6	.226	14.2
%RSD	.14210	.57884	.08352	.23768	.43200
#1	3299.9	45786.	4303.1	95.117	3307.9
#2	3293.3	46163.	4298.1	94.798	3287.7



Sample Name: CCB11 Acquired: 11/21/2018 21:25:44 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00070	-.00018	F .00662	-.00247	-.00007	F .02529	-.00009
Stddev	.00106	.00106	.00079	.00101	.00173	.00095	.00006
%RSD	152.74	573.14	11.968	41.084	2626.9	3.7412	69.526

#1	-.00145	.00056	.00718	-.00175	-.00129	.02596	-.00013
#2	.00006	-.00093	.00606	-.00318	.00116	.02462	-.00004

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00008	-.00712	.00021	.00021	.00051	-.00255
Stddev	.00003	.00013	.00252	.00022	.00004	.00009	.00487
%RSD	42.913	155.87	35.409	107.75	21.407	17.772	191.37

#1	.00008	-.00001	-.00890	.00036	.00024	.00058	.00090
#2	.00004	.00017	-.00533	.00005	.00018	.00045	-.00599

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	-.01686	.00076	-.00022	-.01214	-.00055	F .01496
Stddev	.00003	.01018	.00021	.00029	.00845	.00037	.00084
%RSD	17.884	60.369	28.044	128.60	69.618	67.652	5.6186

#1	-.00017	-.00966	.00061	-.00002	-.01811	-.00029	.01555
#2	-.00014	-.02406	.00091	-.00042	-.00616	-.00082	.01436

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04688	.00031	F .07806	F .01499	.00410	-.00091	.00178
Stddev	.03261	.00002	.00370	.00280	.00285	.00060	.00031
%RSD	69.550	5.7620	4.7407	18.668	69.342	65.147	17.406

#1	.02383	.00029	.08067	.01697	.00612	-.00134	.00199
#2	.06994	.00032	.07544	.01301	.00209	-.00049	.00156

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00082	-.0012	-.00015	F 1.2014	F .34041
Stddev	.00052	.0015	.00009	.1468	.22456
%RSD	63.672	129.1	60.840	12.220	65.967

#1	-.00045	-.0023	-.00009	1.0976	.18162
#2	-.00118	-.0001	-.00022	1.3052	.49920



Sample Name: CCB11 Acquired: 11/21/2018 21:25:44 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3493.7	48719.	4393.9	100.94	3814.1
Stddev	28.5	184.	38.6	1.96	33.9
%RSD	.81549	.37743	.87963	1.9423	.88980
#1	3473.6	48849.	4366.6	99.555	3790.1
#2	3513.9	48589.	4421.2	102.33	3838.1



Sample Name: J6012-09 Acquired: 11/21/2018 21:29:49 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-22 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k -.09731	k .00928	^ *****	k .11027	kF -1.3593	k 26.776	.70772
Stddev	.00113	.00261	----	.00802	.0042	.201	.00264
%RSD	1.1589	28.143	----	7.2761	.30658	.74982	.37339

#1	k -.09652	k .01113	^ ----	k .11594	k -1.3622	k 26.917	.70585
#2	k -.09811	k .00743	^ ----	k .10459	k -1.3563	k 26.634	.70959

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00925	^ *****	k 17.681	kF 154.83	k 1.8370	kF 1040.5	k 592.80
Stddev	.00029	----	.026	1.17	.0038	4.0	43.99
%RSD	3.1317	----	.14491	.75632	.20860	.38585	7.4211

#1	-.00904	^ ----	k 17.699	k 155.66	k 1.8397	k 1043.3	k 561.69
#2	-.00945	^ ----	k 17.663	k 154.00	k 1.8343	k 1037.7	k 623.90

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8752	13.537	F 982.25	k -.00875	169.69	k -.35786	kF 125.88
Stddev	.0076	.009	3.50	.00116	.63	.00224	10.49
%RSD	.40751	.06771	.35613	13.230	.37300	.62566	8.3355

#1	1.8806	13.543	984.72	k -.00957	169.24	k -.35944	k 118.46
#2	1.8698	13.530	979.78	k -.00793	170.14	k -.35627	k 133.30

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	112.90	.25207	kF 41.038	kF 93.672	kF -1.7759	k .01830	k .13808
Stddev	.43	.00144	.131	.279	.0094	.00057	.00080
%RSD	.37806	.57103	.31941	.29809	.52790	3.1076	.58022

#1	112.60	.25309	k 40.945	k 93.870	k -1.7693	k .01870	k .13751
#2	113.20	.25106	k 41.130	k 93.475	k -1.7825	k .01790	k .13864

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03912	k 6.719	k .22862	3.9970	35.069
Stddev	.00079	.001	.00057	.1964	.239
%RSD	2.0114	.0117	.24748	4.9134	.68203

#1	.03857	k 6.719	k .22822	3.8581	35.238
#2	.03968	k 6.718	k .22902	4.1359	34.900



Sample Name: J6012-09 Acquired: 11/21/2018 21:29:49 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-22 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2244.7	43811.	4442.7	16.668	2743.2
Stddev	19.4	302.	29.5	1.291	9.0
%RSD	.86510	.68996	.66488	7.7478	.32952
#1	2231.0	43598.	4463.6	17.581	2736.8
#2	2258.4	44025.	4421.8	15.755	2749.6



Sample Name: J6012-11 Acquired: 11/21/2018 21:33:56 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-23 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00975	-.01553	.80785	.00687	F -1.5265	3.6921	.41858
Stddev	.00088	.00029	.00618	.00137	.0082	.0338	.00043
%RSD	9.0572	1.8950	.76509	19.978	.53623	.91640	.10264

#1	-.01037	-.01574	.81222	.00590	-1.5207	3.7160	.41888
#2	-.00912	-.01532	.80348	.00784	-1.5323	3.6681	.41827

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00522	^ *****	9.5257	F 69.800	.43043	48.550	262.49
Stddev	.00003	-----	.0294	.167	.00302	.276	8.93
%RSD	.59091	-----	.30835	.23863	.70275	.56894	3.4006

#1	-.00519	^ -----	9.5465	69.682	.43257	48.745	256.18
#2	-.00524	^ -----	9.5049	69.918	.42829	48.354	268.80

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.90974	4.3237	F 883.89	.00201	873.01	.09079	20.934
Stddev	.00412	.0764	7.57	.00175	3.87	.00101	1.095
%RSD	.45246	1.7662	.85699	87.189	.44302	1.1099	5.2296

#1	.90683	4.2697	889.25	.00077	875.75	.09151	20.160
#2	.91265	4.3777	878.54	.00324	870.28	.09008	21.708

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	44.391	.02777	F 347.19	F 851.92	.54682	-.09949	.35628
Stddev	.093	.00070	.35	5.28	.00688	.00155	.00426
%RSD	.21052	2.5279	.10086	.61989	1.2577	1.5615	1.1967

#1	44.457	.02728	347.44	855.65	.55168	-.10059	.35929
#2	44.325	.02827	346.94	848.18	.54196	-.09839	.35326

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02881	5.691	-.18282	<.00000	17.544
Stddev	.00007	.011	.01016	.08165	.248
%RSD	.23527	.1863	5.5571	144.59	1.4135

#1	.02877	5.698	-.17563	.00127	17.719
#2	.02886	5.683	-.19000	-.11420	17.368



Sample Name: J6012-11 Acquired: 11/21/2018 21:33:56 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-23 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2909.2	41894.	4324.7	53.512	2607.9
Stddev	19.1	75.	20.8	2.004	20.5
%RSD	.65735	.17810	.48021	3.7450	.78448
#1	2895.7	41841.	4339.4	54.929	2593.4
#2	2922.7	41946.	4310.0	52.095	2622.4



Sample Name: J6012-13 Acquired: 11/21/2018 21:38:06 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-24 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k -.34335	k -.00174	k 1.6416	k -.13012	k 1.0619	k 16.256	.83505
Stddev	.01502	.00138	.0025	.00442	.0298	.130	.00475
%RSD	4.3752	79.299	.15163	3.3980	2.8030	.79900	.56927

#1	k -.33273	k -.00076	k 1.6434	k -.12699	k 1.0408	k 16.164	.83169
#2	k -.35397	k -.00271	k 1.6398	k -.13324	k 1.0829	k 16.348	.83841

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00416	-.14567	15.916	F 295.28	k .67957	kF 429.69	k 249.62
Stddev	.00001	.00146	.137	.89	.00155	2.66	13.43
%RSD	.22901	1.0032	.86344	.30015	.22772	.61954	5.3816

#1	-.00417	-.14670	15.819	295.90	k .67847	k 431.57	k 259.11
#2	-.00415	-.14464	16.013	294.65	k .68066	k 427.81	k 240.12

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2795	9.3992	kF 684.98	k -.02958	877.70	^ *****	kF 37.267
Stddev	.0036	.0176	4.32	.00071	13.67	----	2.168
%RSD	.27863	.18698	.63139	2.4102	1.5578	----	5.8177

#1	1.2821	9.3868	k 681.93	k -.02908	887.36	^ ----	k 38.801
#2	1.2770	9.4116	k 688.04	k -.03008	868.03	^ ----	k 35.734

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	234.36	.04637	kF 77.368	kF 344.28	k 5.4249	k .31632	k -.07357
Stddev	.94	.00119	.395	.59	.0371	.00227	.00479
%RSD	.40198	2.5736	.51076	.17162	.68407	.71653	6.5168

#1	233.69	.04553	k 77.089	k 344.70	k 5.4512	k .31472	k -.07018
#2	235.03	.04722	k 77.648	k 343.86	k 5.3987	k .31792	k -.07696

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04143	k 9.219	k .23649	<.00000	31.827
Stddev	.00153	.015	.00273	.09259	.666
%RSD	3.6940	.1595	1.1562	15.029	2.0924

#1	.04034	k 9.208	k .23842	-.55059	31.356
#2	.04251	k 9.229	k .23455	-.68153	32.298



Sample Name: J6012-13 Acquired: 11/21/2018 21:38:06 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-24 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1883.9	41161.	4300.3	68.679	2504.5
Stddev	5.4	156.	12.0	4.044	3.8
%RSD	.28707	.37874	.27839	5.8887	.15249
#1	1887.7	41051.	4291.8	65.819	2501.8
#2	1880.0	41271.	4308.8	71.539	2507.2



Sample Name: J6012-15 Acquired: 11/21/2018 21:42:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-25 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.08729	-.01156	1.0620	-.02965	-.81383	1.5356	.38501
Stddev	.00200	.00032	.0062	.00089	.05022	.0623	.00405
%RSD	2.2902	2.7268	.58280	3.0111	6.1713	4.0596	1.0508

#1	-.08870	-.01178	1.0577	-.02902	-.84935	1.5797	.38215
#2	-.08588	-.01133	1.0664	-.03029	-.77832	1.4915	.38787

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00388	-.15854	64.376	F 159.15	.71513	F 356.42	177.18
Stddev	.00002	.00093	1.389	1.52	.00615	3.85	4.61
%RSD	.43266	.58799	2.1581	.95778	.86052	1.0804	2.6012

#1	-.00389	-.15788	63.393	160.23	.71078	353.70	180.44
#2	-.00386	-.15920	65.358	158.07	.71948	359.15	173.92

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.89092	1.5455	F 697.83	-.00447	602.65	.09674	F 58.276
Stddev	.01151	.0149	9.53	.00106	9.34	.00375	1.463
%RSD	1.2923	.96339	1.3652	23.809	1.5494	3.8755	2.5105

#1	.89906	1.5350	691.09	-.00372	596.05	.09939	59.311
#2	.88277	1.5560	704.57	-.00522	609.26	.09409	57.242

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	55.871	.03640	F 492.83	F 300.14	.55473	.21349	.28440
Stddev	1.024	.00057	9.76	1.47	.03758	.00371	.00281
%RSD	1.8321	1.5681	1.9800	.49099	6.7739	1.7370	.98685

#1	55.147	.03680	485.93	299.10	.58131	.21087	.28241
#2	56.595	.03600	499.73	301.18	.52816	.21612	.28638

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03684	6.811	.07394	1.1460	31.225
Stddev	.00116	.033	.01010	.7206	1.129
%RSD	3.1583	.4888	13.666	62.877	3.6168

#1	.03601	6.788	.06679	1.6555	30.427
#2	.03766	6.835	.08108	.63646	32.024



Sample Name: J6012-15 Acquired: 11/21/2018 21:42:22 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-25 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2495.1	42723.	4234.9	66.830	2669.9
Stddev	16.7	515.	92.0	1.620	18.2
%RSD	.66767	1.2050	2.1715	2.4239	.68013
#1	2506.9	42359.	4300.0	65.685	2682.8
#2	2483.3	43087.	4169.9	67.976	2657.1



Sample Name: J6012-17 Acquired: 11/21/2018 21:46:44 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-26 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.03120	-.00855	.94089	-.03625	-.49124	26.508	.47993
Stddev	.00365	.00153	.00215	.00401	.01440	.198	.00371
%RSD	11.688	17.841	.22885	11.072	2.9323	.74583	.77259

#1	-.02862	-.00963	.93937	-.03909	-.50142	26.648	.48255
#2	-.03378	-.00747	.94241	-.03341	-.48105	26.368	.47731

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	-.06963	562.40	F 94.362	.42200	F 417.65	398.82
Stddev	.00013	.00019	5.11	.640	.00024	.60	4.23
%RSD	28.577	.27056	.90921	.67851	.05725	.14465	1.0599

#1	.00055	-.06976	566.01	94.814	.42183	417.23	401.81
#2	.00036	-.06950	558.78	93.909	.42217	418.08	395.83

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.2591	59.424	F 437.43	-.00279	875.87	.13166	9.5074
Stddev	.0053	.755	3.09	.00022	15.86	.00335	.1004
%RSD	.23368	1.2697	.70548	7.9864	1.8105	2.5469	1.0560

#1	2.2628	59.957	435.25	-.00263	887.08	.13403	9.5784
#2	2.2554	58.890	439.62	-.00294	864.66	.12928	9.4364

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	126.53	.01618	F 21.373	F 186.63	8.1182	.11068	.30589
Stddev	1.52	.00030	.146	.90	.0248	.00172	.00434
%RSD	1.2047	1.8340	.68273	.48176	.30492	1.5565	1.4193

#1	127.61	.01639	21.476	186.00	8.1357	.11190	.30282
#2	125.45	.01597	21.270	187.27	8.1007	.10946	.30896

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.06703	F 13.69	.41885	11.938	F<.00000
Stddev	.00266	.05	.00536	.037	.72440
%RSD	3.9658	.3954	1.2799	.30817	1.5456

#1	.06515	13.65	.42264	11.964	-46.357
#2	.06891	13.73	.41506	11.912	-47.382



Sample Name: J6012-17 Acquired: 11/21/2018 21:46:44 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: NS-26 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2664.0	43097.	4548.3	75.537	2349.6
Stddev	1.9	294.	44.0	.786	.1
%RSD	.07083	.68118	.96678	1.0411	.00627
#1	2662.6	42889.	4517.2	74.981	2349.5
#2	2665.3	43305.	4579.4	76.094	2349.7



Sample Name: J6012-19 Acquired: 11/21/2018 21:50:59 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PLATING-11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13740	.35144	23.508	2.0325	F -2.0546	111.20	1.2437
Stddev	.01287	.17931	1.711	.8173	.0291	.18	.0034
%RSD	9.3673	51.021	7.2778	40.211	1.4179	.16025	.27760

#1	.14650	.47823	22.298	2.6104	-2.0340	111.08	1.2462
#2	.12830	.22465	24.718	1.4546	-2.0752	111.33	1.2413

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00980	F -1.2349	F -10.755	F 76.207	1.2378	25.570	F 10553.
Stddev	.00019	.3048	7.071	.365	.0456	2.985	2674.
%RSD	1.9552	24.680	65.747	.47868	3.6850	11.674	25.336

#1	.00967	-1.4504	-15.754	75.949	1.2056	23.460	12444.
#2	.00994	-1.0194	-5.7548	76.464	1.2701	27.681	8662.8

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.6947	2.7900	F 1191.9	.87444	310.14	.20311	F 238.95
Stddev	.0010	.0005	44.5	.34266	2.98	.00071	63.91
%RSD	.01263	.01916	3.7371	39.186	.96174	.35134	26.745

#1	7.6940	2.7904	1160.4	1.1167	312.25	.20261	284.14
#2	7.6954	2.7896	1223.4	.63214	308.03	.20362	193.76

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	206.03	.30535	F 273.60	F 1528.4	1.2171	.78149	.68040
Stddev	1.20	.00768	5.21	54.2	.0059	.03332	.03114
%RSD	.58432	2.5165	1.9051	3.5436	.48409	4.2636	4.5772

#1	206.88	.29992	277.29	1490.1	1.2130	.75793	.65838
#2	205.18	.31079	269.92	1566.7	1.2213	.80505	.70242

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02997	F 12.89	F -11.362	<.00000	^ *****
Stddev	.00022	.52	2.941	.67408	-----
%RSD	.72697	4.044	25.888	.75307	-----

#1	.03013	12.52	-13.442	-89.034	^ -----
#2	.02982	13.26	-9.2819	-89.987	^ -----



Sample Name: J6012-19 Acquired: 11/21/2018 21:50:59 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PLATING-11 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2745.7	39798.	4223.6	20.684	1957.0
Stddev	51.9	64.	30.2	5.260	66.2
%RSD	1.8907	.16074	.71476	25.433	3.3818
#1	2782.4	39753.	4202.3	16.964	2003.8
#2	2709.0	39843.	4244.9	24.403	1910.2



Sample Name: J5999-01 Acquired: 11/21/2018 21:55:23 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: SSSI-1114-S- Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00064	-.00292	.00910	-.00234	-.00016	.26434	.15884	.00004
Stddev	.00009	.00008	.00037	.00145	.00104	.00830	.00138	.00011
%RSD	13.782	2.7416	4.0453	62.037	641.18	3.1417	.87120	311.51

#1	-.00071	-.00298	.00936	-.00131	-.00090	.25847	.15786	.00011
#2	-.00058	-.00287	.00884	-.00337	.00058	.27022	.15982	-.00004

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	2.5431	.00323	.00034	.01874	.33401	.04207	.88516
Stddev	.00001	.0199	.00028	.00005	.00013	.01394	.00058	.00311
%RSD	35.846	.78438	8.6230	15.785	.66997	4.1729	1.3673	.35146

#1	.00001	2.5290	.00342	.00030	.01865	.34387	.04167	.88736
#2	.00002	2.5572	.00303	.00038	.01883	.32416	.04248	.88296

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01324	-.00061	251.95	.00023	.10691	1.2548	.00046	.40580
Stddev	.00171	.00021	4.26	.00030	.00081	.0291	.00019	.01120
%RSD	12.930	33.821	1.6901	133.16	.75419	2.3192	41.577	2.7605

#1	.01445	-.00075	248.94	.00001	.10748	1.2342	.00032	.41372
#2	.01203	-.00046	254.96	.00044	.10634	1.2754	.00059	.39788

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94535	.61307	-.00142	.00500	.01673	.0175	.04790	2.4224
Stddev	.02155	.00780	.00055	.00065	.00076	.0004	.00006	.1468
%RSD	2.2797	1.2730	38.710	12.983	4.5514	2.485	.12517	6.0606

#1	.96059	.60756	-.00181	.00546	.01727	.0172	.04794	2.5262
#2	.93011	.61859	-.00103	.00454	.01619	.0178	.04786	2.3186

Elem	U_3859
Units	ppm
Avg	2.0488
Stddev	.0857
%RSD	4.1806

#1	1.9882
#2	2.1094



Sample Name: J5999-01 Acquired: 11/21/2018 21:55:23 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: SSSI-1114-S- Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3291.6	44302.	4252.1	99.005	3353.2
Stddev	13.1	184.	10.2	.958	21.4
%RSD	.39806	.41541	.23999	.96744	.63872
#1	3300.9	44432.	4259.3	98.327	3368.4
#2	3282.4	44172.	4244.9	99.682	3338.1



Sample Name: J5999-02 Acquired: 11/21/2018 21:59:34 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: SSSI-1114-S- Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00407	-.00234	.01191	-.00238	-.00011	.14797	.17810	.00003
Stddev	.00126	.00041	.00124	.00238	.00074	.02244	.01236	.00006
%RSD	30.980	17.489	10.420	99.891	699.53	15.165	6.9398	226.96

#1	-.00318	-.00205	.01278	-.00407	-.00063	.13210	.16936	-.00002
#2	-.00496	-.00263	.01103	-.00070	.00042	.16384	.18684	.00007

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	2.8201	.00185	.00041	.01615	.22769	.03297	1.1660
Stddev	.00007	.1774	.00006	.00005	.00022	.01791	.00071	.1272
%RSD	98.495	6.2916	3.4216	12.057	1.3503	7.8649	2.1547	10.912

#1	.00013	2.6946	.00180	.00045	.01600	.21503	.03347	1.0760
#2	.00002	2.9455	.00189	.00038	.01631	.24035	.03247	1.2560

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00571	-.00020	235.08	.00017	.12839	1.0472	.00014	.25130
Stddev	.00026	.00044	14.03	.00051	.00565	.0544	.00004	.01256
%RSD	4.6163	217.09	5.9697	307.04	4.4016	5.1907	32.164	4.9971

#1	.00590	.00011	225.16	.00052	.12439	1.0088	.00011	.24242
#2	.00552	-.00051	245.00	-.00019	.13239	1.0856	.00017	.26018

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3003	.42990	-.00112	.00128	.01105	.0328	.05112	2.5919
Stddev	.0255	.02226	.00057	.00050	.00251	.0005	.00313	.3266
%RSD	1.9579	5.1772	51.508	38.572	22.676	1.657	6.1318	12.600

#1	1.3183	.41416	-.00071	.00093	.00928	.0332	.04891	2.8228
#2	1.2823	.44564	-.00152	.00164	.01282	.0324	.05334	2.3609

Elem	U_3859
Units	ppm
Avg	2.2941
Stddev	.4182
%RSD	18.228

#1	1.9984
#2	2.5898



Sample Name: J5999-02 Acquired: 11/21/2018 21:59:34 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: SSSI-1114-S- Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3267.5	45266.	4414.1	101.58	3319.8
Stddev	66.4	883.	205.3	4.46	72.0
%RSD	2.0334	1.9499	4.6521	4.3951	2.1700
#1	3220.5	44642.	4559.3	104.73	3268.9
#2	3314.5	45890.	4268.9	98.420	3370.8



Sample Name: J5999-03 Acquired: 11/21/2018 22:03:43 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: SSSI-1114-S- Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00322	-.00232	.00938	.00088	-.00113	.15834	.32553	.00004
Stddev	.00110	.00175	.00005	.00261	.00125	.00505	.00124	.00000
%RSD	34.146	75.627	.48202	297.45	110.65	3.1918	.38145	1.3287

#1	-.00399	-.00108	.00934	-.00097	-.00201	.16191	.32465	.00004
#2	-.00244	-.00356	.00941	.00272	-.00025	.15477	.32641	.00004

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	3.8245	.00209	.00098	.01326	.21012	.04239	1.0766
Stddev	.00005	.0497	.00044	.00000	.00043	.00061	.00010	.0502
%RSD	129.62	1.3007	21.181	.45011	3.2500	.29183	.23317	4.6638

#1	.00007	3.8597	.00178	.00098	.01357	.20969	.04246	1.1121
#2	.00000	3.7893	.00240	.00098	.01296	.21056	.04232	1.0411

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00687	-.00054	274.80	-.00009	.29130	1.3174	.00025	.28661
Stddev	.00009	.00037	2.01	.00047	.00310	.0339	.00002	.00627
%RSD	1.2535	68.444	.73189	511.23	1.0649	2.5719	7.8826	2.1879

#1	.00693	-.00028	273.38	-.00043	.28911	1.3413	.00023	.28217
#2	.00680	-.00080	276.22	.00024	.29350	1.2934	.00026	.29104

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7961	.60000	-.00086	.00113	.01297	.0286	.07871	2.5755
Stddev	.0561	.00135	.00060	.00044	.00038	.0015	.00051	.0201
%RSD	3.1260	.22540	70.049	38.823	2.9602	5.230	.64195	.78086

#1	1.8358	.60096	-.00128	.00082	.01270	.0297	.07836	2.5613
#2	1.7564	.59905	-.00043	.00144	.01324	.0276	.07907	2.5897

Elem	U_3859
Units	ppm
Avg	2.0778
Stddev	.3554
%RSD	17.102

#1	1.8265
#2	2.3291



Sample Name: J5999-03 Acquired: 11/21/2018 22:03:43 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: SSSI-1114-S- Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3242.9	44432.	4262.3	96.435	3271.4
Stddev	93.6	146.	.8	1.506	110.1
%RSD	2.8857	.32864	.01765	1.5615	3.3668
#1	3176.7	44328.	4262.8	97.500	3193.5
#2	3309.1	44535.	4261.8	95.370	3349.2



Sample Name: J6000-02 Acquired: 11/21/2018 22:07:52 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FS-12072-119 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00108	-.00356	.00958	-.00210	-.00054	.20701	.09997	.00005
Stddev	.00164	.00045	.00014	.00146	.00135	.00427	.00417	.00003
%RSD	151.61	12.642	1.4372	69.413	252.25	2.0649	4.1762	65.286

#1	.00008	-.00387	.00968	-.00107	-.00149	.21003	.09702	.00008
#2	-.00224	-.00324	.00948	-.00313	.00042	.20398	.10292	.00003

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00152	10.278	.00222	.00079	.02491	.10087	.21933	1.1611
Stddev	.00005	.373	.00063	.00010	.00010	.01219	.00888	.0219
%RSD	3.6076	3.6247	28.292	12.239	.41809	12.088	4.0467	1.8842

#1	.00148	10.014	.00178	.00072	.02499	.09224	.21305	1.1457
#2	.00156	10.541	.00267	.00086	.02484	.10949	.22560	1.1766

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00221	-.00088	246.96	-.00008	.09850	.85160	-.00007	.16554
Stddev	.00006	.00001	6.46	.00037	.00145	.03392	.00030	.01178
%RSD	2.8893	1.6356	2.6165	447.97	1.4708	3.9829	455.09	7.1183

#1	.00226	-.00087	242.39	-.00035	.09747	.82761	.00015	.15720
#2	.00217	-.00089	251.53	.00018	.09952	.87558	-.00028	.17387

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07040	.56032	-.00069	.00391	.00734	.0078	.03609	3.2336
Stddev	.00471	.01558	.00018	.00079	.00128	.0012	.00121	.5402
%RSD	6.6929	2.7808	25.644	20.249	17.399	15.92	3.3398	16.705

#1	.07373	.54931	-.00081	.00447	.00644	.0086	.03524	2.8516
#2	.06707	.57134	-.00056	.00335	.00824	.0069	.03694	3.6155

Elem	U_3859
Units	ppm
Avg	2.4971
Stddev	.0603
%RSD	2.4145

#1	2.5397
#2	2.4544



Sample Name: J6000-02 Acquired: 11/21/2018 22:07:52 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FS-12072-119 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3274.0	43628.	4356.8	98.942	3306.2
Stddev	.8	1399.	76.6	1.705	13.3
%RSD	.02423	3.2061	1.7593	1.7233	.40218
#1	3273.4	44617.	4411.0	100.15	3296.8
#2	3274.5	42639.	4302.6	97.736	3315.6



Sample Name: CCV12 Acquired: 11/21/2018 22:12:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB7716 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0703	5.0625	5.1133	5.0240	5.1619	9.9185	10.003
Stddev	.0535	.0561	.0620	.0575	.0428	.1689	.016
%RSD	1.0551	1.1082	1.2120	1.1446	.82908	1.7024	.15681

#1	5.1081	5.1022	5.1571	5.0647	5.1922	9.7991	10.014
#2	5.0325	5.0228	5.0694	4.9834	5.1317	10.038	9.9921

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24982	2.5081	26.591	1.0684	2.5239	1.2713	4.9180
Stddev	.00097	.0307	.128	.0033	.0299	.0140	.1787
%RSD	.38907	1.2224	.48008	.30545	1.1837	1.1022	3.6329

#1	.24913	2.5298	26.501	1.0661	2.5450	1.2812	5.0444
#2	.25050	2.4864	26.681	1.0707	2.5028	1.2614	4.7917

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5288	24.689	2.4739	1.2101	23.848	2.7011	2.7139
Stddev	.0086	.200	.0307	.0003	.051	.0069	.1282
%RSD	.33933	.80819	1.2420	.02847	.21511	.25371	4.7247

#1	2.5227	24.548	2.4956	1.2099	23.884	2.6963	2.8046
#2	2.5349	24.830	2.4521	1.2104	23.812	2.7060	2.6232

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.083	5.0583	5.1417	4.8002	5.2299	5.0179	4.9702
Stddev	.160	.0553	.0054	.0514	.0261	.0623	.0338
%RSD	.59139	1.0926	.10527	1.0703	.49978	1.2417	.68057

#1	27.196	5.0974	5.1456	4.8366	5.2483	5.0619	4.9463
#2	26.969	5.0192	5.1379	4.7639	5.2114	4.9738	4.9941

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.8909	4.974	4.9342	F 3.1997	F 3.1390
Stddev	.0102	.059	.0043	.1145	.1945
%RSD	.20816	1.176	.08825	3.5770	6.1973

#1	4.8981	5.015	4.9373	3.1188	3.2766
#2	4.8837	4.933	4.9312	3.2807	3.0014



Sample Name: CCV12 Acquired: 11/21/2018 22:12:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB7716 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3274.0	45731.	4259.5	95.750	3254.2
Stddev	25.9	114.	29.6	4.297	32.5
%RSD	.79224	.24956	.69557	4.4872	.99996
#1	3255.7	45811.	4238.5	92.712	3231.2
#2	3292.4	45650.	4280.4	98.788	3277.3



Sample Name: CCB12 Acquired: 11/21/2018 22:15:48 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FS-RT3786 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00208	-.00011	-.00120	-.00393	-.00091	-.00250	.00051
Stddev	.00207	.00178	.00080	.00023	.00078	.00223	.00005
%RSD	99.646	1589.1	66.228	5.7897	86.028	88.924	9.7444

#1	-.00354	.00115	-.00064	-.00409	-.00036	-.00408	.00048
#2	-.00061	-.00137	-.00176	-.00377	-.00146	-.00093	.00055

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00010	-.00972	.00009	-.00005	.00003	.00032
Stddev	.00004	.00003	.00704	.00005	.00005	.00053	.00140
%RSD	2212.6	26.920	72.447	56.649	92.725	1834.5	433.23

#1	-.00003	.00011	-.01470	.00012	-.00002	.00040	-.00067
#2	.00003	.00008	-.00474	.00005	-.00008	-.00034	.00132

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.02395	.00091	.00055	.19595	-.00054	.00593
Stddev	.00003	.01342	.00020	.00016	.00875	.00011	.00005
%RSD	28.451	56.029	21.756	29.099	4.4677	19.502	.83131

#1	-.00012	.03344	.00077	.00043	.20214	-.00047	.00596
#2	-.00008	.01446	.00105	.00066	.18976	-.00062	.00589

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23009	.00050	F .13531	F .01523	.00652	-.00091	.00150
Stddev	.03587	.00042	.01373	.00185	.00087	.00080	.00129
%RSD	15.590	83.958	10.144	12.151	13.388	88.311	86.219

#1	.25546	.00079	.12561	.01654	.00590	-.00034	.00059
#2	.20473	.00020	.14502	.01392	.00714	-.00148	.00241

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00169	-.0004	-.00008	F .93919	F .80499
Stddev	.00059	.0009	.00013	.19062	.66055
%RSD	34.590	205.3	173.79	20.297	82.057

#1	.00211	.0002	.00002	1.0740	1.2721
#2	.00128	-.0011	-.00017	.80440	.33791



Sample Name: CCB12 Acquired: 11/21/2018 22:15:48 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FS-RT3786 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3505.4	49223.	4278.8	99.492	3821.5
Stddev	130.6	938.	50.2	.583	140.2
%RSD	3.7244	1.9050	1.1737	.58634	3.6699
#1	3413.1	49886.	4314.3	99.080	3722.3
#2	3597.7	48560.	4243.3	99.905	3920.6



Sample Name: J6006-02 Acquired: 11/21/2018 22:19:54 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-WALL- Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00187	-.00386	.00067	.00297	-.00235	-.02850	.08329
Stddev	.00405	.00094	.00000	.00006	.00118	.00745	.00163
%RSD	216.97	24.371	.35421	2.0967	50.159	26.156	1.9584

#1	-.00100	-.00320	.00067	.00292	-.00319	-.03377	.08444
#2	.00474	-.00453	.00067	.00301	-.00152	-.02323	.08213

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-.00014	191.04	.00064	.00017	.00003	-.02126
Stddev	.00002	.00005	3.80	.00034	.00013	.00029	.01382
%RSD	984.22	32.644	1.9891	53.694	76.810	1137.0	64.995

#1	-.00001	-.00011	193.73	.00088	.00027	-.00018	-.03104
#2	.00001	-.00018	188.35	.00039	.00008	.00023	-.01149

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25460	9.9554	.00156	-.00065	256.74	.00201	.01617
Stddev	.00007	.0215	.00051	.00030	7.94	.00004	.00054
%RSD	.02818	.21627	32.832	45.814	3.0934	2.1229	3.3118

#1	.25455	9.9706	.00193	-.00044	262.35	.00198	.01655
#2	.25465	9.9401	.00120	-.00086	251.12	.00204	.01580

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9424	.00050	.16005	F 11.729	5.0542	-.00405	-.00351
Stddev	.0070	.00009	.00767	.123	.1311	.00103	.00062
%RSD	.14121	18.044	4.7941	1.0502	2.5937	25.437	17.671

#1	4.9473	.00044	.15462	11.642	5.1468	-.00332	-.00307
#2	4.9375	.00057	.16547	11.816	4.9615	-.00477	-.00395

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01601	.0125	.57063	6.8247	4.3304
Stddev	.00048	.0026	.01192	.1779	.2648
%RSD	2.9907	21.17	2.0894	2.6072	6.1153

#1	.01634	.0144	.57906	6.6989	4.1431
#2	.01567	.0106	.56220	6.9505	4.5176



Sample Name: J6006-02 Acquired: 11/21/2018 22:19:54 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-WALL- Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3175.8	43312.	4186.5	94.517	3184.9
Stddev	5.9	110.	92.0	2.902	11.2
%RSD	.18709	.25464	2.1976	3.0705	.35302
#1	3180.0	43234.	4121.4	92.465	3192.8
#2	3171.6	43390.	4251.5	96.569	3176.9



Sample Name: J6006-04 Acquired: 11/21/2018 22:24:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-WALL- Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	-.00437	.00077	.00142	-.00224	-.03899	.07681
Stddev	.00335	.00151	.00045	.00329	.00124	.01099	.00524
%RSD	622.73	34.603	58.938	231.68	55.650	28.176	6.8276

#1	-.00183	-.00544	.00045	.00375	-.00312	-.04676	.08052
#2	.00290	-.00330	.00109	-.00091	-.00136	-.03122	.07310

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	-.00007	175.50	.00055	.00039	-.00004	-.00619
Stddev	.00000	.00007	7.68	.00021	.00000	.00070	.00087
%RSD	12.117	94.436	4.3735	37.278	.82506	1725.7	13.971

#1	-.00004	-.00012	180.93	.00041	.00039	-.00054	-.00681
#2	-.00003	-.00002	170.08	.00070	.00038	.00046	-.00558

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30992	8.9416	.00209	-.00035	246.17	.00119	.02738
Stddev	.00483	.4485	.00023	.00021	8.82	.00018	.00140
%RSD	1.5600	5.0158	10.934	60.486	3.5829	14.663	5.1009

#1	.31334	9.2588	.00225	-.00051	252.41	.00132	.02837
#2	.30650	8.6245	.00193	-.00020	239.93	.00107	.02639

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.4290	.00009	.14502	F 11.277	5.0885	-.00361	-.00115
Stddev	.2300	.00013	.03061	.140	.2159	.00068	.00075
%RSD	4.2358	134.41	21.107	1.2413	4.2436	18.712	65.041

#1	5.5916	.00000	.16667	11.178	5.2412	-.00409	-.00168
#2	5.2664	.00018	.12338	11.376	4.9358	-.00313	-.00062

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01643	.0157	.56625	6.8453	3.4901
Stddev	.00011	.0025	.03371	.1026	.6031
%RSD	.65601	15.70	5.9537	1.4986	17.280

#1	.01651	.0174	.59009	6.7727	3.9165
#2	.01636	.0139	.54241	6.9178	3.0637



Sample Name: J6006-04 Acquired: 11/21/2018 22:24:02 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-WALL- Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3184.2	42785.	4324.5	98.432	3198.2
Stddev	20.2	568.	184.5	4.691	23.5
%RSD	.63476	1.3280	4.2673	4.7658	.73613
#1	3198.5	42383.	4194.0	95.115	3214.9
#2	3169.9	43186.	4455.0	101.75	3181.6



Sample Name: J6006-06 Acquired: 11/21/2018 22:28:11 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-FLOOR Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00147	-.00341	-.00098	.00182	-.00312	-.01985	.05328	-.00002
Stddev	.00109	.00153	.00008	.00070	.00143	.01767	.00023	.00003
%RSD	74.600	44.983	7.9949	38.195	45.766	89.028	.43636	161.20
#1	.00069	-.00233	-.00104	.00232	-.00211	-.03234	.05312	.00000
#2	.00224	-.00450	-.00093	.00133	-.00414	-.00735	.05345	-.00004

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00097	141.47	.00254	.00059	.00178	-.03927	.03933	2.6026
Stddev	.00003	1.32	.00044	.00010	.00003	.00326	.00143	.0829
%RSD	3.5698	.93582	17.339	16.808	1.9585	8.3029	3.6394	3.1837
#1	.00095	140.53	.00223	.00066	.00176	-.04157	.03832	2.5440
#2	.00099	142.40	.00285	.00052	.00181	-.03696	.04034	2.6612

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00310	-.00079	253.62	.00027	.02196	2.7830	.00020	.12936
Stddev	.00008	.00017	1.61	.00019	.00021	.0569	.00011	.00289
%RSD	2.4694	20.898	.63558	71.215	.96361	2.0430	55.745	2.2328
#1	.00304	-.00068	252.48	.00040	.02181	2.7428	.00028	.12732
#2	.00315	-.00091	254.76	.00013	.02211	2.8232	.00012	.13141

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5715	5.2667	-.00049	-.00183	.01149	.0031	.76386	5.1813
Stddev	.0104	.0147	.00075	.00144	.00107	.0007	.01362	.4864
%RSD	.40314	.27955	153.65	78.887	9.3093	23.29	1.7837	9.3880
#1	2.5788	5.2563	-.00102	-.00285	.01073	.0036	.75423	4.8374
#2	2.5641	5.2771	.00004	-.00081	.01224	.0026	.77350	5.5253

Elem	U_3859
Units	ppm
Avg	3.3742
Stddev	.0768
%RSD	2.2772
#1	3.3199
#2	3.4285



Sample Name: J6006-06 Acquired: 11/21/2018 22:28:11 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: RS-CON-FLOOR Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3183.4	44261.	4231.1	96.624	3203.6
Stddev	.7	1254.	9.5	.539	14.3
%RSD	.02141	2.8333	.22468	.55770	.44604
#1	3183.9	45148.	4237.8	97.005	3193.5
#2	3182.9	43374.	4224.4	96.243	3213.7



Sample Name: J6053-01 Acquired: 11/21/2018 22:32:20 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14218 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00503	-.00281	.00346	.00198	-.00314	-.05623	.16982
Stddev	.00136	.00059	.00163	.00293	.00063	.01091	.00096
%RSD	27.062	21.117	47.255	148.03	19.986	19.404	.56447

#1	.00406	-.00323	.00230	-.00009	-.00359	-.06394	.16915
#2	.00599	-.00239	.00461	.00405	-.00270	-.04851	.17050

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00011	211.76	.00070	-.00049	.00184	-.07470
Stddev	.00009	.00001	.35	.00018	.00014	.00026	.00170
%RSD	910.89	13.191	.16636	26.422	28.369	14.372	2.2695

#1	-.00005	-.00012	211.51	.00057	-.00059	.00202	-.07350
#2	.00007	-.00010	212.01	.00083	-.00039	.00165	-.07590

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00065	80.357	-.00019	-.00043	947.50	.00104	.03442
Stddev	.00003	.453	.00010	.00022	11.25	.00020	.00090
%RSD	3.9129	.56370	51.855	50.749	1.1872	19.553	2.6258

#1	.00063	80.037	-.00027	-.00027	955.46	.00118	.03505
#2	.00067	80.677	-.00012	-.00058	939.55	.00089	.03378

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	34.206	.02245	.45699	F 89.522	F 16.072	-.03209	-.00359
Stddev	.226	.00013	.00039	.299	.022	.00056	.00046
%RSD	.65935	.57913	.08507	.33346	.13957	1.7464	12.946

#1	34.047	.02236	.45672	89.310	16.056	-.03249	-.00326
#2	34.366	.02254	.45727	89.733	16.087	-.03170	-.00392

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02692	.0726	1.2283	7.8124	6.3208
Stddev	.00114	.0007	.0017	.5120	.6593
%RSD	4.2222	1.030	.14059	6.5542	10.431

#1	.02612	.0720	1.2271	7.4503	6.7870
#2	.02773	.0731	1.2295	8.1744	5.8545



Sample Name: J6053-01 Acquired: 11/21/2018 22:32:20 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14218 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3082.1	40448.	4184.7	93.585	2951.0
Stddev	21.3	970.	7.4	1.522	22.6
%RSD	.68972	2.3984	.17629	1.6267	.76610
#1	3097.2	41134.	4189.9	92.508	2967.0
#2	3067.1	39762.	4179.5	94.661	2935.0



Sample Name: J6020-02 Acquired: 11/21/2018 22:36:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01798	-.00212	.00004	.00080	-.00363	-.03265	.32193
Stddev	.00028	.00147	.00066	.00046	.00100	.00586	.00096
%RSD	1.5305	69.116	1638.5	56.910	27.661	17.956	.29860

#1	.01778	-.00109	-.00043	.00112	-.00292	-.03679	.32125
#2	.01817	-.00316	.00051	.00048	-.00434	-.02850	.32261

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	-.00011	161.20	.00539	-.00040	.00036	-.04195
Stddev	.00000	.00003	.16	.00033	.00000	.00013	.01760
%RSD	23.932	28.940	.10137	6.0981	.99910	36.510	41.949

#1	-.00002	-.00009	161.09	.00562	-.00039	.00045	-.05440
#2	-.00001	-.00014	161.32	.00516	-.00040	.00027	-.02951

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00172	65.003	.00097	-.00071	54.716	.00728	.01657
Stddev	.00006	.060	.00009	.00013	.327	.00003	.00030
%RSD	3.5502	.09275	9.1048	18.361	.59849	.44305	1.8124

#1	.00167	64.961	.00103	-.00080	54.947	.00730	.01678
#2	.00176	65.046	.00091	-.00062	54.484	.00725	.01636

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4460	.00135	.48493	F 28.353	F 27.642	-.01079	-.00493
Stddev	.0179	.00055	.00124	.047	.165	.00021	.00141
%RSD	.73091	40.402	.25492	.16458	.59867	1.9223	28.709

#1	2.4334	.00096	.48581	28.386	27.759	-.01094	-.00593
#2	2.4587	.00174	.48406	28.320	27.525	-.01064	-.00393

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02533	.0603	2.3071	5.4973	2.8089
Stddev	.00005	.0007	.0082	.0368	.6005
%RSD	.20628	1.130	.35381	.66920	21.378

#1	.02530	.0599	2.3129	5.4713	3.2335
#2	.02537	.0608	2.3013	5.5233	2.3843



Sample Name: J6020-02 Acquired: 11/21/2018 22:36:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3359.2	46341.	4420.9	100.54	3421.0
Stddev	21.0	75.	22.5	1.49	3.5
%RSD	.62529	.16245	.50795	1.4783	.10339
#1	3374.1	46288.	4405.0	99.490	3423.5
#2	3344.4	46394.	4436.8	101.59	3418.5



Sample Name: J6020-02DUP Acquired: 11/21/2018 22:40:33 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1DUP Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01859	-.00201	.00007	.00083	-.00335	-.03521	.32604
Stddev	.00427	.00068	.00100	.00144	.00156	.00631	.00137
%RSD	22.947	33.727	1485.6	174.35	46.503	17.918	.41882

#1	.01557	-.00153	.00077	-.00019	-.00225	-.03075	.32508
#2	.02160	-.00249	-.00064	.00184	-.00445	-.03967	.32701

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-.00002	165.54	.00454	-.00021	.00036	-.04901
Stddev	.00006	.00003	.81	.00004	.00004	.00008	.00596
%RSD	311.66	115.41	.48679	.86182	17.015	22.300	12.160

#1	.00006	-.00000	164.97	.00457	-.00019	.00031	-.04480
#2	-.00002	-.00004	166.11	.00452	-.00024	.00042	-.05323

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00185	65.636	.00106	-.00083	56.236	.00772	.01741
Stddev	.00004	.372	.00013	.00003	.208	.00039	.00030
%RSD	2.0077	.56611	11.876	3.3388	.37067	5.0444	1.7229

#1	.00182	65.373	.00115	-.00081	56.089	.00800	.01762
#2	.00187	65.899	.00098	-.00085	56.383	.00745	.01720

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4239	.00142	.47887	F 28.823	F 28.408	-.01043	-.00392
Stddev	.0146	.00010	.01853	.159	.041	.00104	.00039
%RSD	.60093	6.8073	3.8693	.55138	.14508	9.9475	9.8972

#1	2.4136	.00135	.46577	28.711	28.437	-.01117	-.00364
#2	2.4342	.00148	.49197	28.936	28.379	-.00970	-.00419

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02527	.0614	2.3536	5.3728	2.1721
Stddev	.00115	.0012	.0106	.1119	.0652
%RSD	4.5376	1.885	.45173	2.0828	3.0037

#1	.02608	.0606	2.3460	5.4520	2.2183
#2	.02445	.0622	2.3611	5.2937	2.1260



Sample Name: J6020-02DUP Acquired: 11/21/2018 22:40:33 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1DUP Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3349.3	46065.	4321.3	97.169	3401.9
Stddev	20.8	171.	5.6	1.248	20.8
%RSD	.61964	.37063	.12946	1.2843	.61134
#1	3364.0	45944.	4325.2	96.286	3416.6
#2	3334.6	46186.	4317.3	98.051	3387.2



Sample Name: J6020-02LX5 Acquired: 11/21/2018 22:44:36 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00565	-.00191	-.00049	-.00028	-.00298	.00402	.07124	.00006
Stddev	.00039	.00058	.00014	.00150	.00035	.01635	.00027	.00005
%RSD	6.8375	30.054	29.119	530.30	11.656	406.79	.37910	92.852
#1	.00537	-.00151	-.00039	.00078	-.00322	.01558	.07143	.00002
#2	.00592	-.00232	-.00059	-.00134	-.00273	-.00754	.07105	.00010

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	36.101	.00095	.00018	-.00016	-.01464	.00034	14.219
Stddev	.00007	.078	.00057	.00016	.00041	.00721	.00004	.098
%RSD	255.57	.21603	60.318	85.817	253.23	49.224	11.478	.69070
#1	.00008	36.156	.00136	.00007	-.00045	-.00955	.00037	14.288
#2	-.00002	36.046	.00055	.00030	.00013	-.01974	.00031	14.149

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	-.00047	12.056	.00178	.01655	1.0133	.00045	.17204
Stddev	.00022	.00030	.003	.00013	.00044	.0427	.00004	.00512
%RSD	125.28	63.389	.02464	7.3597	2.6829	4.2175	8.9404	2.9750
#1	-.00002	-.00068	12.059	.00169	.01687	1.0435	.00047	.17566
#2	-.00034	-.00026	12.054	.00188	.01624	.98305	.00042	.16842

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.8402	6.1964	-.00373	.00160	.01668	.0103	.49638	3.3970
Stddev	.0121	.0142	.00019	.00042	.00123	.0002	.00121	.1550
%RSD	.20706	.22935	5.0248	26.474	7.3912	1.514	.24392	4.5636
#1	5.8488	6.2064	-.00359	.00130	.01756	.0102	.49724	3.5066
#2	5.8317	6.1864	-.00386	.00190	.01581	.0105	.49553	3.2874

Elem	U_3859
Units	ppm
Avg	2.1705
Stddev	.4627
%RSD	21.316
#1	1.8434
#2	2.4977



Sample Name: J6020-02LX5 Acquired: 11/21/2018 22:44:36 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3407.1	46476.	4222.4	95.904	3579.3
Stddev	2.4	9.	6.3	.092	.1
%RSD	.06967	.01925	.14967	.09548	.00342
#1	3408.8	46470.	4218.0	95.968	3579.4
#2	3405.5	46483.	4226.9	95.839	3579.2



Sample Name: J6020-02MS Acquired: 11/21/2018 22:48:40 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1MS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.73387	1.7356	.86906	1.7877	.72863	1.7759	.47420
Stddev	.00602	.0025	.00033	.0199	.00619	.0034	.01006
%RSD	.82091	.14642	.03802	1.1152	.84952	.19168	2.1214

#1	.72961	1.7374	.86882	1.7736	.72425	1.7783	.48131
#2	.73813	1.7338	.86929	1.8018	.73300	1.7735	.46709

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18745	.17140	147.57	.35605	.17182	.26988	2.6128
Stddev	.00041	.00007	2.85	.00032	.00038	.00031	.0396
%RSD	.22017	.04037	1.9324	.08991	.22071	.11407	1.5162

#1	.18716	.17135	149.59	.35582	.17155	.26966	2.6408
#2	.18775	.17145	145.55	.35628	.17209	.27010	2.5848

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18627	60.227	.42159	.06437	52.654	.27773	.21658
Stddev	.00031	.863	.00135	.00096	.992	.00087	.00373
%RSD	.16703	1.4327	.32038	1.4871	1.8835	.31234	1.7212

#1	.18649	60.838	.42063	.06369	53.355	.27712	.21922
#2	.18605	59.617	.42254	.06504	51.952	.27834	.21395

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.347	.37100	.70846	F 25.035	F 25.972	.59919	.17602
Stddev	.210	.00169	.01750	.005	.522	.00153	.00118
%RSD	1.8528	.45537	2.4697	.02167	2.0096	.25547	.66880

#1	11.495	.36981	.72083	25.031	26.341	.59811	.17518
#2	11.198	.37220	.69608	25.038	25.603	.60027	.17685

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20036	5.325	2.2696	5.3977	2.3715
Stddev	.00413	.012	.0395	.4457	.2995
%RSD	2.0588	.2276	1.7385	8.2569	12.630

#1	.20327	5.316	2.2975	5.0826	2.1597
#2	.19744	5.333	2.2417	5.7129	2.5833



Sample Name: J6020-02MS Acquired: 11/21/2018 22:48:40 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1MS Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3319.0	45890.	4250.9	97.203	3386.0
Stddev	9.2	116.	81.4	1.679	4.6
%RSD	.27854	.25269	1.9141	1.7269	.13529
#1	3325.6	45972.	4193.4	96.016	3382.8
#2	3312.5	45808.	4308.4	98.390	3389.3



Sample Name: J6020-02MSD Acquired: 11/21/2018 22:52:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1MSD Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.73186	1.7289	.86344	1.7774	.72257	1.7486	.47233
Stddev	.00202	.0014	.00332	.0089	.00108	.0192	.00180
%RSD	.27589	.08315	.38464	.50337	.14882	1.0988	.38146

#1	.73329	1.7299	.86109	1.7838	.72181	1.7622	.47360
#2	.73043	1.7279	.86579	1.7711	.72333	1.7351	.47105

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18546	.17018	148.22	.35458	.17129	.26782	2.6062
Stddev	.00137	.00013	.88	.00163	.00017	.00137	.0681
%RSD	.73805	.07862	.59069	.45849	.10148	.51064	2.6140

#1	.18643	.17027	147.60	.35572	.17141	.26878	2.6543
#2	.18450	.17008	148.84	.35343	.17116	.26685	2.5580

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18490	59.915	.41992	.06363	52.528	.27546	.21594
Stddev	.00150	.095	.00011	.00150	.082	.00248	.00328
%RSD	.80970	.15774	.02552	2.3603	.15629	.90101	1.5185

#1	.18596	59.848	.42000	.06469	52.586	.27721	.21826
#2	.18384	59.982	.41985	.06257	52.470	.27370	.21362

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.360	.36673	.70470	F 25.007	F 26.089	.59473	.17346
Stddev	.026	.00097	.00070	.046	.076	.00023	.00240
%RSD	.22840	.26525	.09881	.18395	.28974	.03827	1.3816

#1	11.342	.36742	.70420	25.039	26.035	.59457	.17516
#2	11.378	.36604	.70519	24.974	26.142	.59490	.17177

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20192	5.311	2.2626	5.4394	1.6416
Stddev	.00014	.003	.0048	.5070	.2966
%RSD	.06990	.0533	.21230	9.3210	18.069

#1	.20202	5.313	2.2660	5.7980	1.8514
#2	.20182	5.309	2.2592	5.0809	1.4319



Sample Name: J6020-02MSD Acquired: 11/21/2018 22:52:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1MSD Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3340.0	46108.	4221.0	97.282	3395.3
Stddev	18.0	497.	4.5	1.622	6.5
%RSD	.53923	1.0783	.10596	1.6676	.19254
#1	3327.3	45756.	4224.1	96.135	3390.7
#2	3352.7	46459.	4217.8	98.429	3400.0



Sample Name: J6020-02A Acquired: 11/21/2018 22:56:21 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.74366	1.7382	.87043	1.7988	.73483	1.7381	.47287
Stddev	.00307	.0116	.00542	.0001	.00195	.0030	.00106
%RSD	.41255	.66707	.62298	.00718	.26478	.17105	.22430

#1	.74149	1.7300	.86660	1.7987	.73345	1.7360	.47212
#2	.74583	1.7464	.87427	1.7989	.73620	1.7402	.47362

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18714	.17121	146.93	.35460	.17211	.27121	2.6206
Stddev	.00000	.00084	.80	.00030	.00126	.00039	.0233
%RSD	.00257	.49269	.54115	.08591	.73219	.14449	.88979

#1	.18714	.17062	146.37	.35438	.17122	.27148	2.6371
#2	.18715	.17181	147.49	.35481	.17300	.27093	2.6041

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18591	59.983	.42136	.06393	52.570	.27609	.21947
Stddev	.00008	.201	.00280	.00011	.023	.00011	.00257
%RSD	.04261	.33447	.66460	.16445	.04373	.03804	1.1722

#1	.18585	60.124	.41938	.06400	52.586	.27617	.22129
#2	.18597	59.841	.42334	.06385	52.553	.27602	.21765

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.375	.37181	.70020	F 24.991	F 26.109	.59961	.17726
Stddev	.029	.00078	.00860	.250	.020	.00034	.00084
%RSD	.25219	.20911	1.2281	.99899	.07634	.05713	.47231

#1	11.355	.37126	.70628	24.815	26.095	.59937	.17666
#2	11.395	.37236	.69412	25.168	26.123	.59985	.17785

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20219	5.330	2.2658	5.1071	2.2710
Stddev	.00120	.041	.0023	.2281	.1165
%RSD	.59165	.7591	.10317	4.4671	5.1316

#1	.20134	5.301	2.2675	4.9457	2.1886
#2	.20304	5.358	2.2642	5.2684	2.3534



Sample Name: J6020-02A Acquired: 11/21/2018 22:56:21 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW9-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3305.1	45817.	4218.0	96.057	3383.0
Stddev	6.2	144.	3.6	1.014	26.8
%RSD	.18839	.31524	.08514	1.0556	.79281
#1	3309.5	45715.	4220.6	95.340	3402.0
#2	3300.7	45919.	4215.5	96.774	3364.1



Sample Name: CCV13 Acquired: 11/21/2018 23:00:12 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14229 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8823	4.8795	4.9095	4.8533	4.9638	9.5675	9.8860
Stddev	.0072	.0174	.0106	.0080	.0057	.0383	.0047
%RSD	.14642	.35656	.21592	.16545	.11426	.40059	.04752

#1	4.8874	4.8918	4.9170	4.8590	4.9678	9.5946	9.8827
#2	4.8773	4.8672	4.9020	4.8476	4.9598	9.5404	9.8894

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24468	2.4098	26.178	1.0525	2.4142	1.2310	4.9221
Stddev	.00211	.0055	.004	.0068	.0082	.0012	.0897
%RSD	.86257	.22682	.01618	.64787	.33821	.09875	1.8230

#1	.24617	2.4137	26.181	1.0573	2.4200	1.2318	4.8586
#2	.24319	2.4060	26.175	1.0477	2.4085	1.2301	4.9855

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4788	24.389	2.3810	1.1904	23.808	2.6589	F 2.7651
Stddev	.0199	.118	.0074	.0032	.007	.0161	.0447
%RSD	.80305	.48539	.31064	.26872	.03111	.60635	1.6181

#1	2.4928	24.305	2.3863	1.1926	23.803	2.6703	2.7334
#2	2.4647	24.472	2.3758	1.1881	23.813	2.6475	2.7967

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.087	4.9188	4.9706	4.6952	5.2968	4.8053	4.8740
Stddev	.037	.0034	.0160	.0268	.0067	.0173	.0056
%RSD	.13529	.06971	.32118	.57157	.12739	.36024	.11455

#1	27.061	4.9212	4.9593	4.7142	5.2920	4.8175	4.8779
#2	27.113	4.9163	4.9818	4.6762	5.3016	4.7930	4.8700

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.8206	4.787	4.8782	F 3.2569	F 3.4667
Stddev	.0156	.009	.0094	.0384	.5548
%RSD	.32317	.1867	.19269	1.1797	16.004

#1	4.8096	4.793	4.8849	3.2841	3.8590
#2	4.8316	4.781	4.8716	3.2297	3.0744



Sample Name: CCV13 Acquired: 11/21/2018 23:00:12 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV14229 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3343.9	45876.	4185.4	92.104	3343.9
Stddev	5.6	250.	3.2	1.325	13.0
%RSD	.16684	.54452	.07675	1.4381	.38733
#1	3340.0	45699.	4183.1	93.041	3334.7
#2	3347.9	46052.	4187.6	91.168	3353.0



Sample Name: CCB13 Acquired: 11/21/2018 23:03:58 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14229 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00065	-.00097	-.00327	-.00006	.00207	.00092
Stddev	.00250	.00066	.00054	.00173	.00158	.00255	.00072
%RSD	3097.1	101.99	55.733	53.091	2736.6	123.56	77.668

#1	-.00169	.00018	-.00135	-.00204	.00106	.00387	.00042
#2	.00185	.00111	-.00059	-.00449	-.00118	.00026	.00143

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00015	-.00832	.00006	.00015	.00022	.00361
Stddev	.00003	.00012	.00578	.00010	.00012	.00049	.00994
%RSD	184.13	82.284	69.453	155.27	76.439	222.20	275.60

#1	-.00001	.00023	-.00423	.00013	.00007	-.00013	.01064
#2	.00004	.00006	-.01240	-.00001	.00023	.00057	-.00342

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	.00190	-.00009	-.00021	.23592	-.00007	.00492
Stddev	.00003	.00963	.00000	.00006	.01794	.00031	.00026
%RSD	50.048	506.92	.54765	28.104	7.6026	408.66	5.2764

#1	-.00004	-.00491	-.00009	-.00026	.24860	-.00029	.00510
#2	-.00009	.00871	-.00009	-.00017	.22323	.00014	.00474

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25750	.00049	F .08300	F .02294	.00538	-.00150	.00051
Stddev	.00033	.00013	.00790	.00047	.00039	.00093	.00029
%RSD	.13008	27.025	9.5202	2.0657	7.2251	61.737	57.817

#1	.25726	.00058	.07742	.02328	.00565	-.00085	.00030
#2	.25774	.00040	.08859	.02261	.00510	-.00215	.00072

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00376	-.0014	-.00015	F 1.3879	F 1.6953
Stddev	.00027	.0010	.00003	.1234	.7176
%RSD	7.2627	70.49	21.900	8.8908	42.326

#1	.00395	-.0007	-.00012	1.4752	1.1880
#2	.00357	-.0022	-.00017	1.3007	2.2027



Sample Name: CCB13 Acquired: 11/21/2018 23:03:58 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14229 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3469.9	48434.	4217.0	96.435	3795.1
Stddev	70.5	350.	14.3	.673	50.5
%RSD	2.0331	.72265	.33902	.69825	1.3305
#1	3420.1	48187.	4227.1	95.959	3759.4
#2	3519.8	48682.	4206.9	96.911	3830.8



Sample Name: J6020-04 Acquired: 11/21/2018 23:08:05 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW1-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00622	-.00472	.00370	.00215	-.00391	-.14087	.36127
Stddev	.00153	.00055	.00080	.00113	.00112	.00301	.00788
%RSD	24.625	11.736	21.568	52.717	28.602	2.1375	2.1823

#1	.00514	-.00433	.00426	.00295	-.00312	-.13874	.35570
#2	.00731	-.00512	.00313	.00135	-.00470	-.14300	.36685

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.00003	370.01	-.00482	.06499	-.00008	1.3423
Stddev	.00003	.00006	6.83	.00037	.00027	.00010	.0111
%RSD	138.97	232.05	1.8451	7.6174	.41864	132.44	.82880

#1	-.00000	.00007	365.19	-.00456	.06480	-.00000	1.3345
#2	-.00004	-.00002	374.84	-.00508	.06518	-.00015	1.3502

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.3052	102.24	.01628	.00070	1286.7	.00153	.10084
Stddev	.0016	2.22	.00019	.00040	1.8	.00045	.00105
%RSD	.01946	2.1734	1.1874	58.165	.14113	29.726	1.0397

#1	8.3040	100.67	.01642	.00098	1285.4	.00121	.10009
#2	8.3063	103.82	.01615	.00041	1288.0	.00185	.10158

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.464	.00017	3.6383	F 26.400	F 23.071	-.00813	-.00726
Stddev	.266	.00020	.0821	.024	.485	.00041	.00063
%RSD	2.3193	116.60	2.2570	.08924	2.1032	5.0171	8.7326

#1	11.276	.00031	3.5803	26.416	22.728	-.00842	-.00681
#2	11.652	.00003	3.6964	26.383	23.414	-.00784	-.00770

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01654	.0624	2.5581	10.219	8.1848
Stddev	.00059	.0002	.0584	.137	.0611
%RSD	3.5799	.3422	2.2843	1.3401	.74618

#1	.01612	.0623	2.5168	10.122	8.2280
#2	.01696	.0626	2.5994	10.315	8.1416



Sample Name: J6020-04 Acquired: 11/21/2018 23:08:05 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW1-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2989.1	39733.	4020.9	87.380	2763.4
Stddev	3.7	58.	77.8	.718	2.8
%RSD	.12311	.14509	1.9353	.82134	.10145
#1	2986.5	39774.	4075.9	87.887	2765.3
#2	2991.7	39692.	3965.8	86.872	2761.4



Sample Name: J6020-06 Acquired: 11/21/2018 23:12:18 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW2S-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00167	-.00213	-.00115	-.00010	-.00204	.00933	.09764
Stddev	.00058	.00086	.00095	.00310	.00012	.00638	.00111
%RSD	34.503	40.446	82.715	3068.3	6.0011	68.386	1.1354

#1	.00126	-.00152	-.00182	-.00229	-.00213	.01384	.09686
#2	.00208	-.00274	-.00048	.00209	-.00195	.00482	.09843

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00003	27.675	.00045	.04227	.00130	.47321
Stddev	.00004	.00001	.598	.00019	.00003	.00045	.00676
%RSD	43.870	36.298	2.1603	43.519	.07406	34.481	1.4285

#1	.00006	.00004	27.252	.00058	.04229	.00098	.46843
#2	.00012	.00002	28.097	.00031	.04225	.00162	.47799

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9725	14.201	.00887	.00056	198.42	.00007	.03416
Stddev	.0083	.135	.00008	.00072	1.24	.00054	.00024
%RSD	.41912	.94819	.94811	129.82	.62657	723.35	.69786

#1	1.9666	14.106	.00881	.00107	199.30	-.00030	.03399
#2	1.9783	14.296	.00893	.00005	197.55	.00045	.03433

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2557	-.00060	.23079	7.6098	F 21.283	-.00430	.00167
Stddev	.0279	.00006	.00361	.0379	.240	.00048	.00107
%RSD	2.2203	9.6986	1.5630	.49852	1.1256	11.132	63.790

#1	1.2755	-.00064	.22824	7.6366	21.113	-.00463	.00242
#2	1.2360	-.00056	.23334	7.5830	21.452	-.00396	.00092

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00337	.0049	.28530	3.4651	3.3128
Stddev	.00037	.0005	.00155	.1479	.2973
%RSD	10.988	10.19	.54274	4.2691	8.9749

#1	.00363	.0046	.28420	3.5697	3.1026
#2	.00310	.0053	.28639	3.3605	3.5230



Sample Name: J6020-06 Acquired: 11/21/2018 23:12:18 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW2S-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3313.6	44729.	4126.1	93.541	3351.1
Stddev	20.1	18.	40.8	.328	24.7
%RSD	.60703	.04080	.98911	.35012	.73680
#1	3299.4	44742.	4155.0	93.773	3333.6
#2	3327.8	44716.	4097.3	93.310	3368.5



Sample Name: J6020-08 Acquired: 11/21/2018 23:16:23 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW10M-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00569	-.00081	-.00134	.00147	-.00339	.00237	.10847
Stddev	.00068	.00023	.00044	.00060	.00113	.00644	.00447
%RSD	11.968	28.133	33.271	40.429	33.257	271.85	4.1215

#1	.00617	-.00065	-.00102	.00105	-.00259	-.00218	.11164
#2	.00521	-.00098	-.00165	.00189	-.00419	.00692	.10531

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	-.00003	80.588	.00067	-.00003	-.00047	.00059
Stddev	.00014	.00000	2.684	.00004	.00037	.00017	.01052
%RSD	425.56	7.3986	3.3303	5.2901	1443.4	35.861	1780.5

#1	.00013	-.00003	82.485	.00070	.00023	-.00035	-.00685
#2	-.00007	-.00004	78.690	.00065	-.00028	-.00058	.00803

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.93223	24.583	.00010	-.00013	66.680	.00328	.01806
Stddev	.00000	.501	.00014	.00018	2.191	.00003	.00089
%RSD	.00031	2.0388	138.62	134.45	3.2859	.95804	4.9241

#1	.93223	24.937	.00020	-.00001	68.229	.00326	.01868
#2	.93223	24.229	.00000	-.00026	65.131	.00330	.01743

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8682	.01341	.26949	F 12.176	F 19.214	-.00509	-.00310
Stddev	.0088	.00023	.00421	.011	.526	.00089	.00066
%RSD	.46849	1.7257	1.5630	.09286	2.7381	17.570	21.380

#1	1.8744	.01358	.27247	12.184	19.586	-.00446	-.00357
#2	1.8620	.01325	.26651	12.168	18.842	-.00573	-.00263

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01839	.3124	.45181	3.9891	2.2198
Stddev	.00092	.0020	.01438	.1030	.2578
%RSD	4.9999	.6467	3.1826	2.5823	11.614

#1	.01904	.3138	.46198	4.0619	2.4021
#2	.01774	.3110	.44164	3.9162	2.0375



Sample Name: J6020-08 Acquired: 11/21/2018 23:16:23 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW10M-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3350.3	45404.	4193.7	95.699	3468.5
Stddev	19.7	48.	119.1	3.518	19.3
%RSD	.58723	.10642	2.8409	3.6758	.55725
#1	3336.4	45370.	4109.4	93.212	3454.9
#2	3364.2	45438.	4277.9	98.187	3482.2



Sample Name: J6020-10 Acquired: 11/21/2018 23:20:27 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW10M-059-2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00554	-.00205	-.00124	.00019	-.00401	-.01558	.11396
Stddev	.00027	.00146	.00018	.00304	.00098	.01018	.00133
%RSD	4.8823	71.043	14.465	1628.5	24.487	65.333	1.1708

#1	.00534	-.00102	-.00137	-.00196	-.00331	-.00838	.11490
#2	.00573	-.00308	-.00112	.00234	-.00470	-.02278	.11302

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	.00004	84.442	.00467	-.00012	-.00052	.01499
Stddev	.00003	.00002	.078	.00056	.00034	.00051	.00108
%RSD	1738.7	47.581	.09207	11.964	275.62	98.340	7.1997

#1	-.00002	.00002	84.497	.00428	-.00037	-.00089	.01576
#2	.00002	.00005	84.387	.00507	.00012	-.00016	.01423

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97587	25.959	.00069	.00008	69.978	.00318	.02273
Stddev	.00400	.139	.00010	.00070	.217	.00023	.00045
%RSD	.41007	.53433	15.069	857.82	.30966	7.2242	1.9590

#1	.97304	26.057	.00062	.00058	70.131	.00302	.02305
#2	.97870	25.861	.00077	-.00042	69.825	.00334	.02242

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9666	.01421	.27897	F 12.906	F 20.225	-.00441	-.00078
Stddev	.0546	.00001	.00107	.011	.041	.00060	.00203
%RSD	2.7758	.06819	.38335	.08886	.20165	13.594	261.38

#1	2.0052	.01422	.27973	12.898	20.254	-.00484	.00066
#2	1.9280	.01420	.27822	12.914	20.196	-.00399	-.00221

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01795	.3330	.47186	4.1023	2.4814
Stddev	.00074	.0007	.00226	.4635	.3475
%RSD	4.1055	.2079	.47860	11.300	14.003

#1	.01743	.3335	.47345	3.7745	2.2357
#2	.01847	.3325	.47026	4.4301	2.7271



Sample Name: J6020-10 Acquired: 11/21/2018 23:20:27 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: MW10M-059-2 Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3333.2	45476.	4174.3	94.891	3441.9
Stddev	4.9	111.	2.9	1.640	4.5
%RSD	.14685	.24410	.06950	1.7279	.13023
#1	3329.7	45555.	4176.3	93.731	3438.7
#2	3336.6	45398.	4172.2	96.050	3445.0



Sample Name: J6020-12 Acquired: 11/21/2018 23:24:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW10D-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00747	-.00257	-.00054	-.00074	-.00338	-.03896	.25821
Stddev	.00298	.00089	.00042	.00147	.00263	.00347	.00130
%RSD	39.937	34.609	77.709	198.66	77.987	8.8941	.50211

#1	.00536	-.00194	-.00083	.00030	-.00524	-.03651	.25913
#2	.00958	-.00319	-.00024	-.00177	-.00151	-.04142	.25730

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-.00009	144.40	.04589	.00002	.00044	.19373
Stddev	.00005	.00009	.96	.00016	.00003	.00008	.00540
%RSD	31.667	104.01	.66167	.34735	169.55	18.422	2.7849

#1	.00011	-.00002	145.08	.04601	-.00000	.00038	.18992
#2	.00017	-.00016	143.73	.04578	.00004	.00050	.19755

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00993	57.858	.02250	-.00039	48.879	.00902	.01278
Stddev	.00002	.004	.00009	.00037	.482	.00036	.00014
%RSD	.22135	.00697	.37823	96.298	.98515	3.9524	1.0768

#1	.00991	57.855	.02244	-.00065	49.219	.00928	.01288
#2	.00994	57.861	.02256	-.00012	48.538	.00877	.01268

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9021	.00087	.40699	F 18.358	F 21.229	-.00715	-.00237
Stddev	.0047	.00004	.00058	.428	.215	.00023	.00052
%RSD	.24972	4.4031	.14346	2.3297	1.0128	3.1729	22.120

#1	1.8987	.00090	.40658	18.660	21.381	-.00699	-.00274
#2	1.9054	.00085	.40740	18.055	21.077	-.00732	-.00200

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01933	.0325	2.4416	5.6460	2.5332
Stddev	.00018	.0001	.0274	.0254	.3533
%RSD	.92414	.4414	1.1204	.44946	13.948

#1	.01946	.0326	2.4609	5.6281	2.7830
#2	.01920	.0324	2.4222	5.6640	2.2833



Sample Name: J6020-12 Acquired: 11/21/2018 23:24:30 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW10D-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3272.3	44497.	4129.9	92.359	3349.5
Stddev	67.2	56.	29.4	.231	66.4
%RSD	2.0528	.12480	.71131	.24986	1.9835
#1	3224.8	44536.	4109.1	92.522	3302.5
#2	3319.8	44457.	4150.6	92.195	3396.5



Sample Name: J6020-14 Acquired: 11/21/2018 23:28:33 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW11M-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00802	-.00196	.00032	-.00207	-.00366	-.05567	.73678
Stddev	.00222	.00092	.00105	.00184	.00066	.02649	.00115
%RSD	27.628	47.037	330.65	89.254	18.019	47.576	.15672

#1	.00645	-.00261	-.00042	-.00337	-.00413	-.07440	.73760
#2	.00959	-.00130	.00106	-.00076	-.00319	-.03694	.73597

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	-.00010	165.11	-.00003	-.00016	-.00038	-.00448
Stddev	.00000	.00005	.08	.00056	.00005	.00000	.01294
%RSD	5.9779	47.602	.05032	2182.6	28.556	.29144	289.17

#1	.00007	-.00006	165.05	-.00042	-.00013	-.00038	.00468
#2	.00006	-.00013	165.17	.00037	-.00019	-.00038	-.01363

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00600	61.301	-.00207	-.00023	61.043	.00887	.01588
Stddev	.00006	.655	.00024	.00037	.154	.00061	.00004
%RSD	.94669	1.0682	11.724	157.96	.25220	6.8670	.27614

#1	.00604	60.838	-.00189	-.00049	61.152	.00931	.01585
#2	.00596	61.764	-.00224	.00003	60.934	.00844	.01591

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7737	.00015	.37639	F 16.389	F 24.424	-.00622	-.00220
Stddev	.0575	.00025	.00983	.016	.157	.00006	.00079
%RSD	2.0744	166.42	2.6127	.09731	.64244	1.0306	35.810

#1	2.7330	.00032	.36944	16.400	24.535	-.00617	-.00164
#2	2.8144	-.00003	.38335	16.377	24.314	-.00626	-.00276

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02647	.0595	1.3259	6.0541	2.6516
Stddev	.00196	.0019	.0010	.2785	.9257
%RSD	7.4159	3.261	.07636	4.5997	34.910

#1	.02785	.0609	1.3266	5.8572	3.3062
#2	.02508	.0581	1.3252	6.2510	1.9971



Sample Name: J6020-14 Acquired: 11/21/2018 23:28:33 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW11M-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3278.9	44907.	4206.6	94.352	3329.9
Stddev	14.5	23.	10.0	.061	16.4
%RSD	.44199	.05014	.23888	.06419	.49106
#1	3268.6	44923.	4199.5	94.309	3318.3
#2	3289.1	44891.	4213.7	94.395	3341.5



Sample Name: J6020-16 Acquired: 11/21/2018 23:32:37 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW11D-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00573	-.00204	-.00088	.00132	-.00332	-.02632	.11021
Stddev	.00182	.00211	.00005	.00087	.00267	.01473	.00130
%RSD	31.707	103.65	5.4022	65.642	80.420	55.972	1.1819

#1	.00445	-.00054	-.00084	.00193	-.00143	-.03674	.10929
#2	.00702	-.00353	-.00091	.00071	-.00522	-.01590	.11113

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-.00011	150.06	.03411	-.00001	-.00023	.12730
Stddev	.00004	.00012	.40	.00011	.00004	.00003	.00845
%RSD	85.065	101.42	.26404	.32542	293.56	13.151	6.6353

#1	.00007	-.00003	149.78	.03419	.00001	-.00020	.13328
#2	.00002	-.00020	150.34	.03404	-.00004	-.00025	.12133

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01092	55.500	.01689	-.00075	70.609	.00948	.01388
Stddev	.00019	.028	.00059	.00022	.145	.00064	.00004
%RSD	1.7574	.04964	3.5065	29.785	.20478	6.7066	.31604

#1	.01106	55.520	.01731	-.00090	70.711	.00903	.01384
#2	.01079	55.481	.01647	-.00059	70.507	.00993	.01391

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6855	.00543	.85760	F 48.184	F 22.600	-.01864	-.00249
Stddev	.0276	.00002	.01403	.273	.131	.00072	.00081
%RSD	1.6395	.34211	1.6364	.56680	.58117	3.8489	32.348

#1	1.7050	.00545	.84768	48.378	22.693	-.01813	-.00306
#2	1.6659	.00542	.86752	47.991	22.507	-.01915	-.00192

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02584	.0462	4.0368	5.6858	3.1958
Stddev	.00061	.0007	.0000	.0343	.2609
%RSD	2.3509	1.608	.00055	.60362	8.1636

#1	.02541	.0456	4.0368	5.6616	3.0113
#2	.02627	.0467	4.0368	5.7101	3.3803



Sample Name: J6020-16 Acquired: 11/21/2018 23:32:37 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW11D-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3271.1	44912.	4166.7	95.279	3354.8
Stddev	33.3	272.	7.1	.720	18.3
%RSD	1.0173	.60665	.17111	.75526	.54554
#1	3247.5	44719.	4161.7	95.788	3341.9
#2	3294.6	45104.	4171.8	94.770	3367.8



Sample Name: J6020-18 Acquired: 11/21/2018 23:36:39 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW4S-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00217	-.00341	.00220	-.00099	-.00451	-.08646	.14824
Stddev	.00137	.00028	.00104	.00049	.00305	.00043	.00013
%RSD	63.137	8.2109	47.369	49.316	67.727	.49504	.08856

#1	.00314	-.00322	.00146	-.00064	-.00667	-.08615	.14815
#2	.00120	-.00361	.00293	-.00133	-.00235	-.08676	.14834

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-.00001	272.73	.00036	-.00068	.00269	-.08018
Stddev	.00001	.00006	2.94	.00046	.00002	.00024	.00860
%RSD	57.292	577.37	1.0789	129.65	2.2044	8.9587	10.724

#1	.00001	-.00005	270.65	.00003	-.00067	.00286	-.08626
#2	.00003	.00003	274.81	.00069	-.00070	.00251	-.07410

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03635	139.16	-.00218	-.00107	643.77	.00107	.03988
Stddev	.00013	.53	.00002	.00081	4.03	.00003	.00010
%RSD	.34767	.38062	.78907	75.161	.62656	3.1972	.25606

#1	.03626	138.78	-.00216	-.00050	640.92	.00105	.03980
#2	.03643	139.53	-.00219	-.00164	646.62	.00110	.03995

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.6076	-.00014	.44878	F 68.334	F 17.063	-.02421	-.00471
Stddev	.0442	.00006	.00631	.407	.245	.00036	.00372
%RSD	1.2255	42.108	1.4051	.59490	1.4340	1.4795	79.059

#1	3.5764	-.00010	.45324	68.621	16.890	-.02396	-.00734
#2	3.6389	-.00018	.44432	68.046	17.236	-.02446	-.00208

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01984	.0104	1.2849	8.6692	5.3256
Stddev	.00132	.0010	.0088	.0367	.1174
%RSD	6.6671	9.674	.68383	.42392	2.2047

#1	.01891	.0097	1.2787	8.6952	5.2426
#2	.02078	.0111	1.2911	8.6432	5.4086



Sample Name: J6020-18 Acquired: 11/21/2018 23:36:39 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW4S-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3050.9	41071.	4038.2	90.147	2934.5
Stddev	31.5	22.	58.8	.085	18.6
%RSD	1.0315	.05299	1.4565	.09443	.63453
#1	3028.7	41056.	4079.8	90.207	2921.4
#2	3073.2	41087.	3996.6	90.087	2947.7



Sample Name: J6020-20 Acquired: 11/21/2018 23:40:48 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW4D-059-3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.00030	-.00313	-.00218	.00010	.01590	.00119	-.00002
Stddev	.00281	.00048	.00093	.00212	.00018	.00322	.00020	.00005
%RSD	5319.8	159.02	29.545	97.447	175.95	20.255	17.061	205.98

#1	.00204	.00004	-.00379	-.00368	.00023	.01818	.00133	-.00006
#2	-.00193	-.00065	-.00248	-.00068	-.00002	.01362	.00104	.00001

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	.00883	.00057	-.00010	.00041	.00550	.00106	.03505
Stddev	.00007	.01567	.00026	.00004	.00004	.00422	.00002	.02212
%RSD	3022.4	177.45	46.111	38.844	9.9607	76.687	2.1813	63.114

#1	.00005	.01991	.00038	-.00013	.00044	.00252	.00107	.05069
#2	-.00005	-.00225	.00075	-.00007	.00039	.00848	.00104	.01941

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00352	-.00028	.17285	-.00034	.02815	.02017	-.00016	.04001
Stddev	.00001	.00004	.00614	.00009	.00037	.07195	.00017	.00554
%RSD	.42190	14.410	3.5501	26.188	1.3003	356.78	104.17	13.845

#1	.00353	-.00025	.16851	-.00027	.02789	-.03071	-.00004	.04393
#2	.00351	-.00031	.17719	-.00040	.02841	.07105	-.00028	.03609

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05683	.00793	-.00113	-.00016	-.00674	.0003	-.00001	.89856
Stddev	.00012	.00009	.00035	.00002	.00060	.0003	.00012	.26278
%RSD	.20610	1.1717	30.894	11.693	8.9345	105.6	1324.2	29.244

#1	.05675	.00800	-.00138	-.00015	-.00717	.0005	-.00009	1.0844
#2	.05691	.00787	-.00088	-.00017	-.00632	.0001	.00007	.71275

Elem	U_3859
Units	ppm
Avg	.68162
Stddev	.69146
%RSD	101.44

#1	1.1706
#2	.19268



Sample Name: J6020-20 Acquired: 11/21/2018 23:40:48 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW4D-059-3 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3537.9	49195.	4280.3	99.126	3906.0
Stddev	2.0	170.	50.4	.959	8.5
%RSD	.05602	.34537	1.1771	.96787	.21782
#1	3539.3	49075.	4316.0	99.805	3900.0
#2	3536.5	49315.	4244.7	98.448	3912.1



Sample Name: J6020-22 Acquired: 11/21/2018 23:44:54 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW4D-059-1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00442	-.00233	-.00151	.00129	-.00225	.01399	.03976	.00004
Stddev	.00097	.00005	.00033	.00051	.00145	.01560	.00047	.00003
%RSD	22.036	1.9465	21.875	39.677	64.567	111.54	1.1707	74.187

#1	.00373	-.00230	-.00127	.00093	-.00122	.00296	.04009	.00007
#2	.00510	-.00236	-.00174	.00165	-.00327	.02502	.03943	.00002

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	38.854	.00047	-.00000	.00069	.23715	.68603	5.7222
Stddev	.00002	.121	.00025	.00014	.00039	.01091	.00054	.0450
%RSD	35.029	.31179	53.620	4287.3	57.161	4.6004	.07829	.78635

#1	-.00004	38.940	.00029	-.00010	.00041	.24486	.68565	5.6904
#2	-.00007	38.768	.00064	.00009	.00096	.22944	.68641	5.7540

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	-.00022	130.93	-.00002	.01809	1.3575	.03219	.49765
Stddev	.00011	.00025	.70	.00011	.00014	.0477	.00022	.00365
%RSD	46.744	117.01	.53350	468.58	.79534	3.5112	.67090	.73394

#1	-.00015	-.00039	130.43	.00005	.01799	1.3912	.03234	.50023
#2	-.00031	-.00004	131.42	-.00010	.01819	1.3238	.03203	.49507

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2061	8.9520	-.00112	.00073	-.00431	.2570	.17736	3.4259
Stddev	.0022	.0168	.00053	.00145	.00126	.0008	.00070	.1254
%RSD	.18130	.18769	47.287	199.17	29.189	.3165	.39460	3.6603

#1	1.2046	8.9401	-.00074	.00175	-.00520	.2564	.17687	3.5145
#2	1.2077	8.9639	-.00149	-.00030	-.00342	.2576	.17786	3.3372

Elem	U_3859
Units	ppm
Avg	2.6938
Stddev	.3537
%RSD	13.131

#1	2.4437
#2	2.9439



Sample Name: J6020-22 Acquired: 11/21/2018 23:44:54 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MW4D-059-1 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3339.8	45393.	4175.1	93.459	3425.9
Stddev	2.3	32.	8.9	.430	1.4
%RSD	.06874	.07154	.21296	.46036	.03943
#1	3341.4	45416.	4181.4	93.763	3424.9
#2	3338.1	45371.	4168.8	93.155	3426.8



Sample Name: CCV14 Acquired: 11/21/2018 23:48:59 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14218 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.7673	4.7811	4.8204	4.7349	4.8495	9.4413	9.7064
Stddev	.0425	.0459	.0420	.0520	.0440	.0532	.1180
%RSD	.89151	.95989	.87201	1.0989	.90643	.56380	1.2161

#1	4.7974	4.8135	4.8501	4.7717	4.8806	9.4789	9.6229
#2	4.7373	4.7486	4.7906	4.6981	4.8184	9.4036	9.7899

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24302	2.3674	26.044	1.0519	2.3696	1.2036	4.7437
Stddev	.00147	.0206	.170	.0047	.0195	.0111	.0394
%RSD	.60518	.87203	.65341	.45115	.82159	.92537	.82952

#1	.24406	2.3820	25.924	1.0552	2.3834	1.2115	4.7158
#2	.24198	2.3528	26.164	1.0485	2.3559	1.1957	4.7715

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4658	24.036	2.3417	1.1801	23.523	2.6502	2.7108
Stddev	.0051	.135	.0216	.0043	.296	.0097	.0057
%RSD	.20533	.56328	.92445	.36901	1.2590	.36409	.20924

#1	2.4694	23.941	2.3570	1.1832	23.314	2.6571	2.7068
#2	2.4622	24.132	2.3264	1.1771	23.732	2.6434	2.7148

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.150	4.8283	4.8854	4.5952	5.2698	4.7177	4.8089
Stddev	.341	.0431	.0604	.0664	.0469	.0467	.0301
%RSD	1.2569	.89275	1.2369	1.4447	.88991	.99003	.62628

#1	26.909	4.8588	4.8427	4.6422	5.2366	4.7507	4.7876
#2	27.391	4.7979	4.9281	4.5483	5.3030	4.6847	4.8302

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.7652	4.690	4.7842	F 3.2203	F 3.1651
Stddev	.0606	.036	.0597	.0833	.4199
%RSD	1.2710	.7766	1.2485	2.5880	13.268

#1	4.7224	4.716	4.7419	3.2792	3.4621
#2	4.8080	4.665	4.8264	3.1614	2.8681



Sample Name: CCV14 Acquired: 11/21/2018 23:48:59 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB14218 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3393.8	45838.	4168.2	93.310	3386.4
Stddev	24.1	23.	49.9	.445	24.6
%RSD	.70923	.04928	1.1975	.47679	.72593
#1	3376.7	45854.	4203.5	93.625	3369.0
#2	3410.8	45822.	4132.9	92.996	3403.8



Sample Name: CCB14 Acquired: 11/21/2018 23:52:46 Type: Unk
 Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSAB7720 Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00101	.00002	-.00086	.00004	.00124	.01644	.00101
Stddev	.00084	.00005	.00091	.00356	.00073	.01922	.00057
%RSD	82.943	307.65	105.78	8904.9	58.461	116.87	56.696

#1	-.00160	.00005	-.00022	-.00248	.00073	.00285	.00061
#2	-.00042	-.00002	-.00151	.00256	.00176	.03003	.00142

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00016	-.00438	.00006	.00021	.00015	-.00528
Stddev	.00005	.00006	.00931	.00007	.00011	.00074	.01127
%RSD	152.29	39.054	212.46	114.63	55.053	498.49	213.54

#1	-.00000	.00011	.00220	.00011	.00029	-.00038	.00269
#2	.00007	.00020	-.01096	.00001	.00013	.00068	-.01324

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	.02085	-.00023	-.00000	.43188	-.00006	.00475
Stddev	.00003	.00730	.00011	.00055	.01385	.00027	.00003
%RSD	46.172	35.031	47.251	135090.	3.2065	432.41	.73512

#1	-.00010	.02601	-.00031	-.00039	.44167	.00013	.00477
#2	-.00005	.01568	-.00016	.00039	.42209	-.00025	.00472

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36847	.00039	F .05692	F .01887	.00427	-.00172	.00120
Stddev	.00320	.00006	.00548	.00076	.00158	.00028	.00120
%RSD	.86719	14.149	9.6354	4.0285	36.914	16.052	99.989

#1	.36621	.00043	.06079	.01833	.00316	-.00192	.00206
#2	.37073	.00035	.05304	.01941	.00539	-.00153	.00035

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F .00663	-.0013	-.00020	F 1.6355	F 1.0403
Stddev	.00043	.0005	.00010	.0217	.5374
%RSD	6.5086	41.05	51.086	1.3297	51.654

#1	.00693	-.0009	-.00013	1.6202	1.4203
#2	.00632	-.0017	-.00027	1.6509	.66034



Sample Name: CCB14 Acquired: 11/21/2018 23:52:46 Type: Unk
Method: P4-ICP2(v2596) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB7720 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3516.3	47907.	4260.2	95.582	3833.5
Stddev	60.3	329.	54.9	.068	55.8
%RSD	1.7154	.68638	1.2884	.07062	1.4566
#1	3473.7	47675.	4299.0	95.534	3794.0
#2	3559.0	48140.	4221.4	95.630	3873.0

