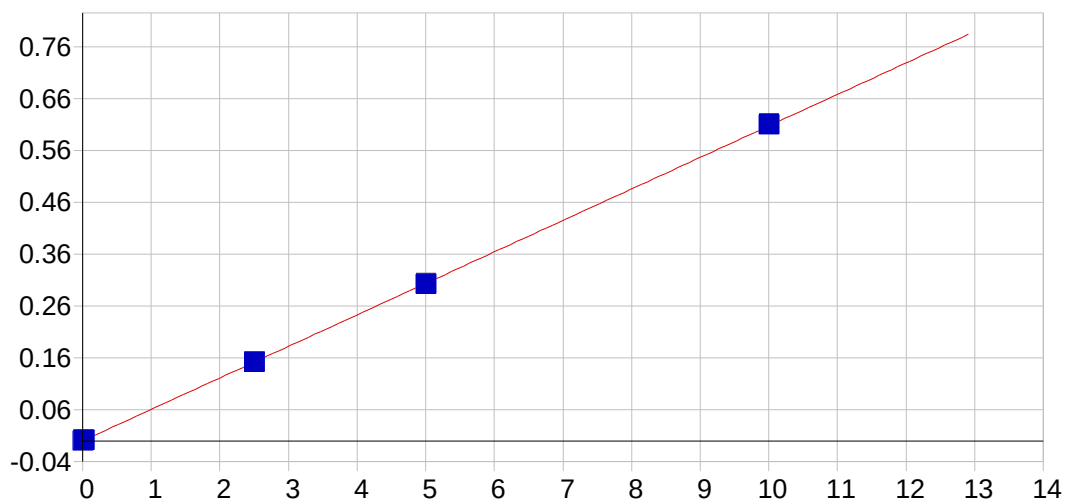




As 189.042 {478}

Date of Fit: 1/24/2019 16:02:56

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000078

Re-Slope: 1.000000

A1 (Gain): 0.060711

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999989

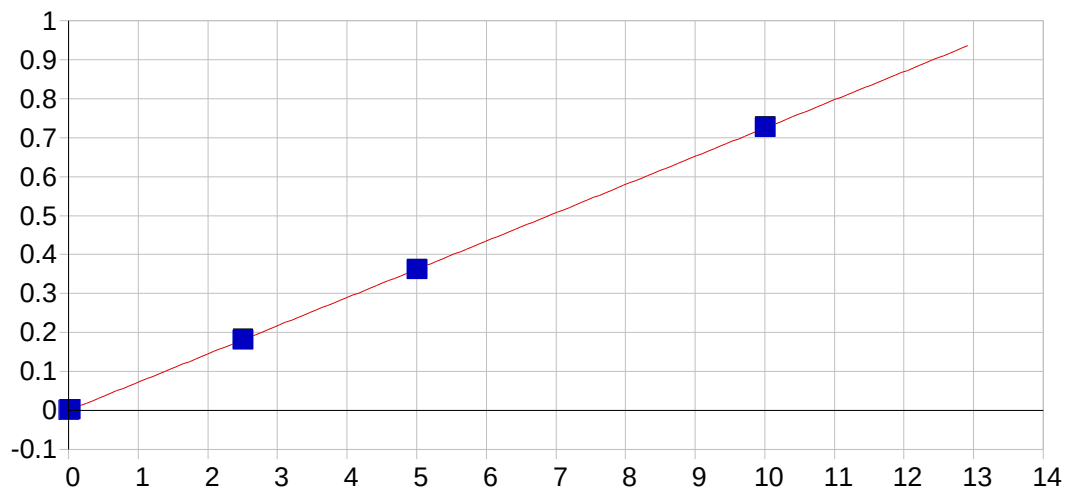
Status: OK.

Std Error of Est: 0.000007

Predicted MDL: 0.002775

Predicted MQL: 0.009250

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00008	.000	1
S1	.02000	.01887	-.001	-5.67	.00107	.000	1
S3	2.5000	2.4912	-.009	-.350	.15116	.000	1
S4	5.0000	4.9734	-.027	-.532	.30184	.002	1
S5	10.000	10.037	.037	.365	.60921	.001	1



As 189.042 {479}

Date of Fit: 1/24/2019 16:02:56

Type of Fit: Linear

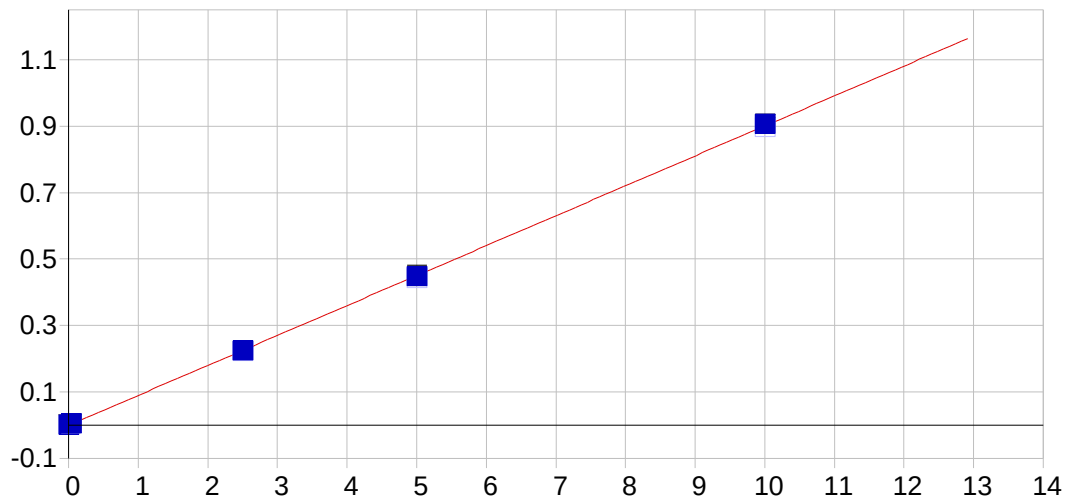
Weighting: 1/Conc

A0 (Offset): 0.000073

Re-Slope: 1.000000

A1 (Gain): 0.072429 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999987 Status: OK.
 Std Error of Est: 0.000009
 Predicted MDL: 0.001950
 Predicted MQL: 0.006499

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00007	.000	1
S1	.02000	.02253	.003	12.7	.00171	.000	1
S3	2.5000	2.4947	-.005	-.213	.18076	.001	1
S4	5.0000	4.9802	-.020	-.396	.36079	.001	1
S5	10.000	10.023	.023	.226	.72601	.002	1

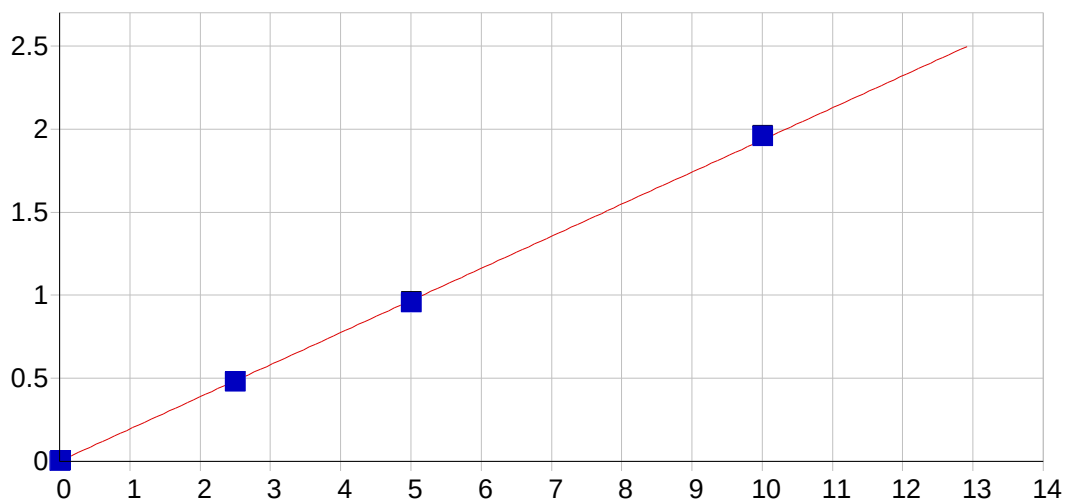


TI 190.856 {477}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000280 Re-Slope: 1.000000
 A1 (Gain): 0.090102 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999948 Status: OK.
 Std Error of Est: 0.000031
 Predicted MDL: 0.001458
 Predicted MQL: 0.004860

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00028	.000	1
S1	.04000	.04686	.007	17.2	.00385	.000	1
S3	2.5000	2.4883	-.012	-.467	.22162	.000	1
S4	5.0000	4.9591	-.041	-.817	.44193	.004	1
S5	10.000	10.046	.046	.458	.89563	.001	1

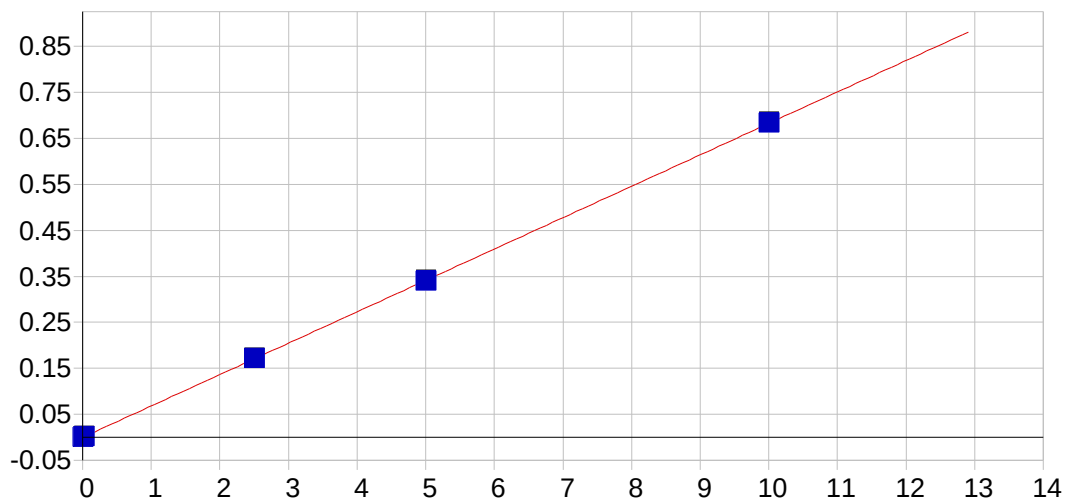


Pb 220.353 {453}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001920 Re-Slope: 1.000000
 A1 (Gain): 0.193235 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999910 Status: OK.
 Std Error of Est: 0.000048
 Predicted MDL: 0.000987
 Predicted MQL: 0.003289

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00192	.000	1
S1	.01200	.01428	.002	19.0	.00464	.000	1
S3	2.5000	2.4623	-.038	-1.51	.47705	.000	1
S4	5.0000	4.9289	-.071	-1.42	.95302	.005	1
S5	10.000	10.107	.107	1.07	1.9522	.004	1



Se 196.090 {472}

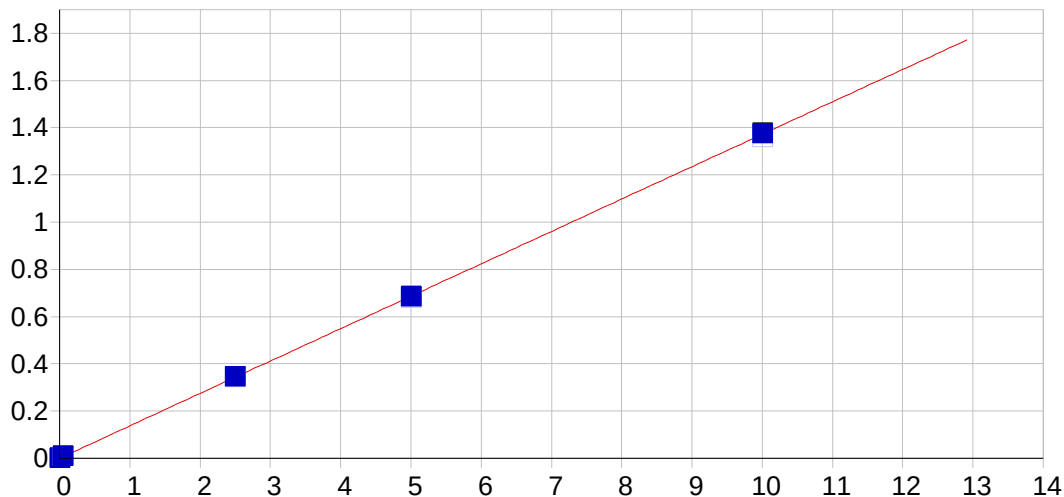
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000194 Re-Slope: 1.000000
 A1 (Gain): 0.068264 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986
 Std Error of Est: 0.000009
 Predicted MDL: 0.002562
 Predicted MQL: 0.008540

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00019	.000	1
S1	.02000	.02237	.002	11.9	.00133	.000	1
S3	2.5000	2.5144	.014	.577	.17143	.000	1
S4	5.0000	4.9751	-.025	-.499	.33938	.001	1
S5	10.000	10.008	.008	.081	.68292	.002	1



Sb 206.833 {463}

Date of Fit: 1/24/2019 16:02:56

Type of Fit: Linear

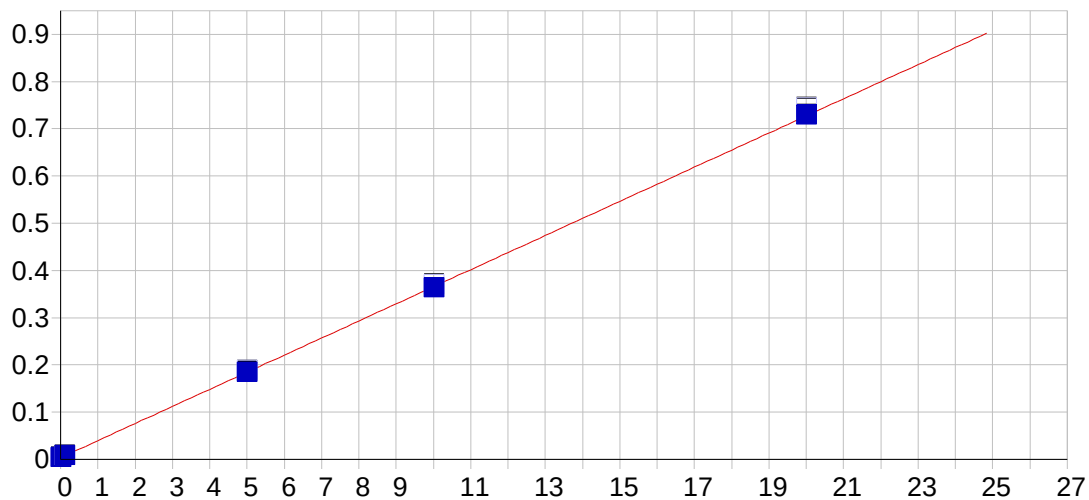
Weighting: 1/Conc

A0 (Offset): 0.000423
 A1 (Gain): 0.137192
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999966
 Std Error of Est: 0.000043
 Predicted MDL: 0.001542
 Predicted MQL: 0.005139

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00042	.000	1
S1	.05000	.05744	.007	14.9	.00813	.000	1
S3	2.5000	2.5046	.005	.182	.34017	.001	1
S4	5.0000	4.9832	-.017	-.336	.67636	.003	1
S5	10.000	10.005	.005	.049	1.3576	.004	1

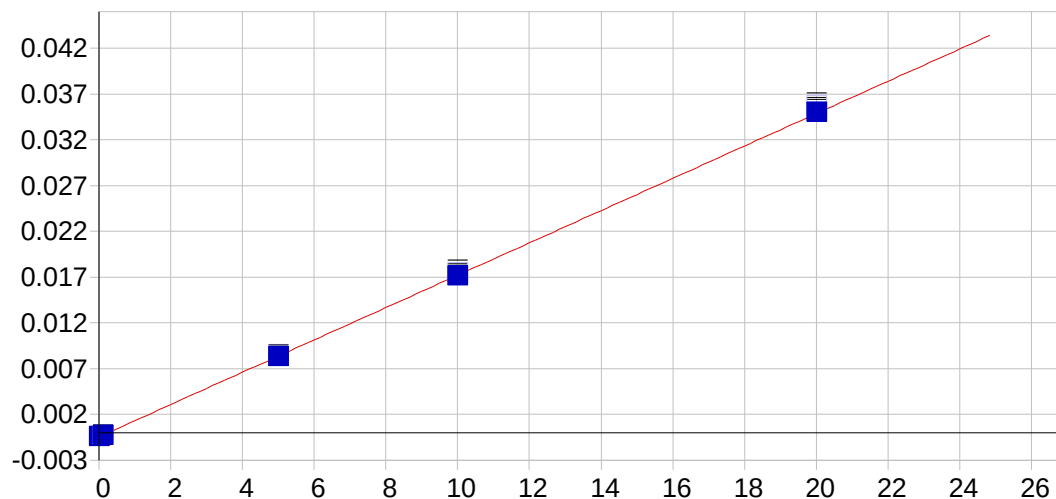


AI 308.215 {109}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003617 Re-Slope: 1.000000
 A1 (Gain): 0.036189 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999973 Status: OK.
 Std Error of Est: 0.000021
 Predicted MDL: 0.002557
 Predicted MQL: 0.008522

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00362	.000	1
S1	.10000	.11143	.011	11.4	.00790	.000	1
S3	5.0000	4.9991	-.001	-.017	.18814	.001	1
S4	10.000	9.9311	-.069	-.689	.37022	.001	1
S5	20.000	20.058	.058	.289	.74391	.001	1



AI 309.271 {109}

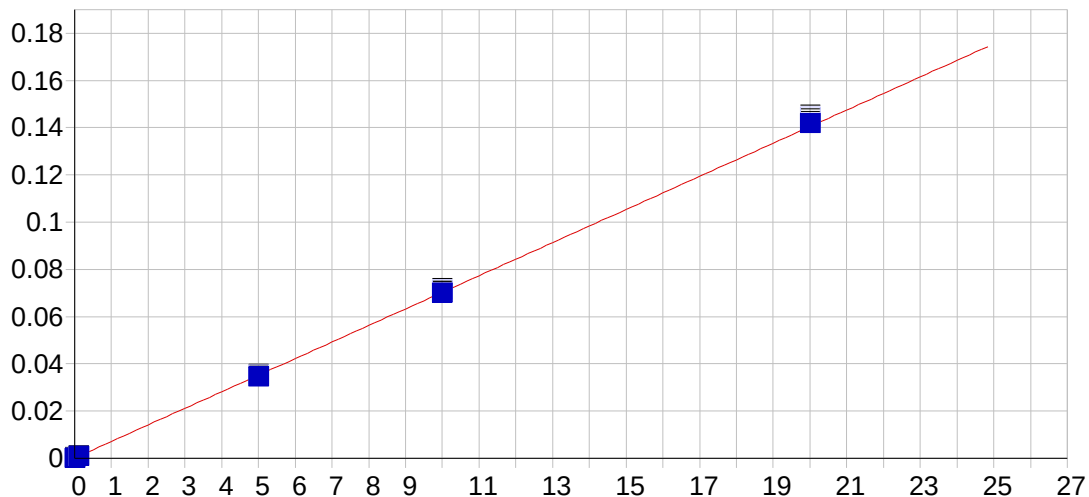
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000440 Re-Slope: 1.000000
 A1 (Gain): 0.001765 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999978
 Std Error of Est: 0.000001
 Predicted MDL: 0.032667
 Predicted MQL: 0.108891

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00044	.000	1
S1	.10000	.09431	-.006	-5.69	-.00026	.000	1
S3	5.0000	4.9458	-.054	-1.08	.00847	.000	1
S4	10.000	9.9565	-.043	-.435	.01749	.000	1
S5	20.000	20.104	.104	.518	.03575	.000	1



AI 396.152 { 85}

Date of Fit: 1/24/2019 16:02:56

Type of Fit: Linear

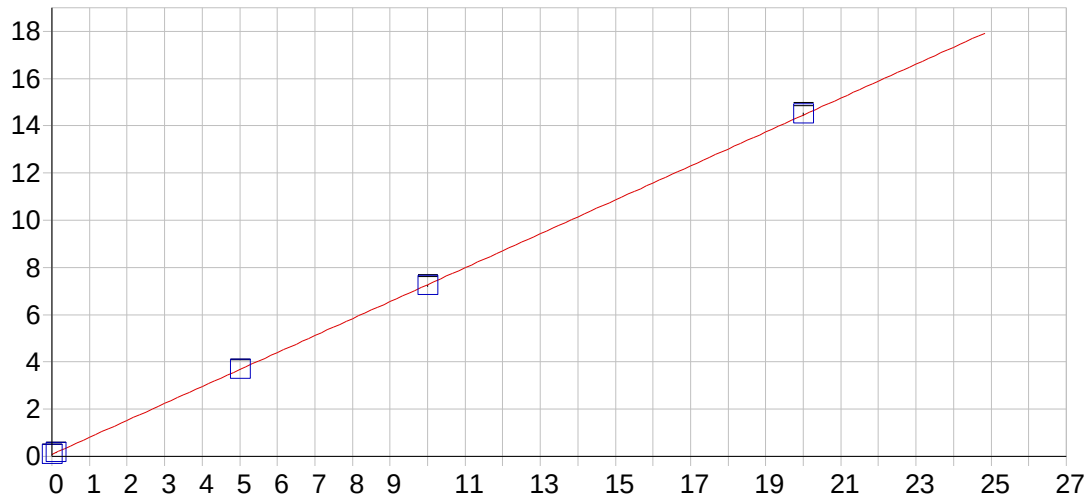
Weighting: 1/Conc

A0 (Offset): 0.000130
 A1 (Gain): 0.007017
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999936
 Std Error of Est: 0.000006
 Predicted MDL: 0.012989
 Predicted MQL: 0.043298

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00013	.000	1
S1	.10000	.10411	.004	4.11	.00091	.000	1
S3	5.0000	4.8894	-.111	-2.21	.03514	.000	1
S4	10.000	9.9305	-.069	-.695	.07121	.001	1
S5	20.000	20.176	.176	.879	.14449	.001	1

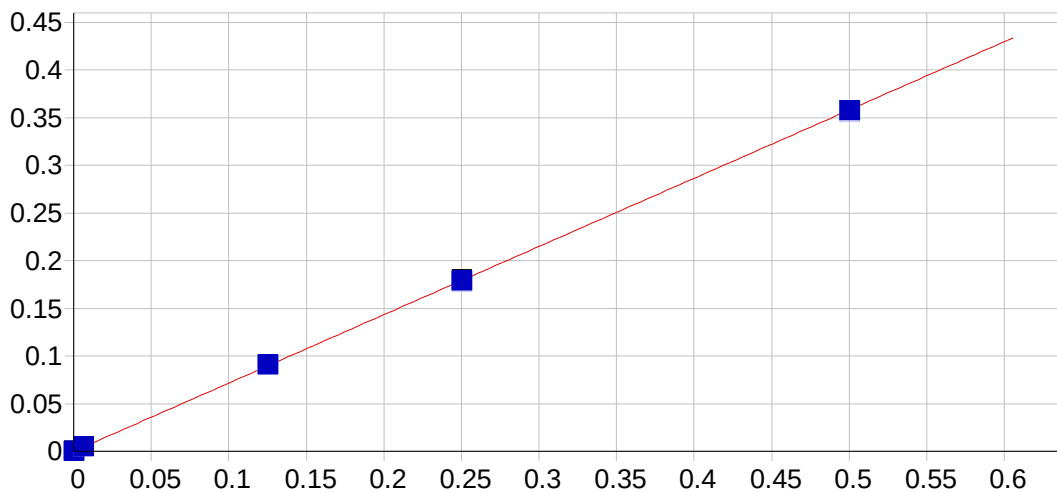


Ba 493.409 { 68}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.085972 Re-Slope: 1.000000
 A1 (Gain): 0.718524 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999983 Status: OK.
 Std Error of Est: 0.000324
 Predicted MDL: 0.004470
 Predicted MQL: 0.014899

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.08597	.003	1
S1	.10000	.10794	.008	7.94	.16353	.001	1
S3	5.0000	5.0041	.004	.083	3.6816	.012	1
S5	20.000	20.054	.054	.272	14.496	.064	1
S4	10.000	9.9335	-.066	-.665	7.2234	.046	1



Be 234.861 {144}

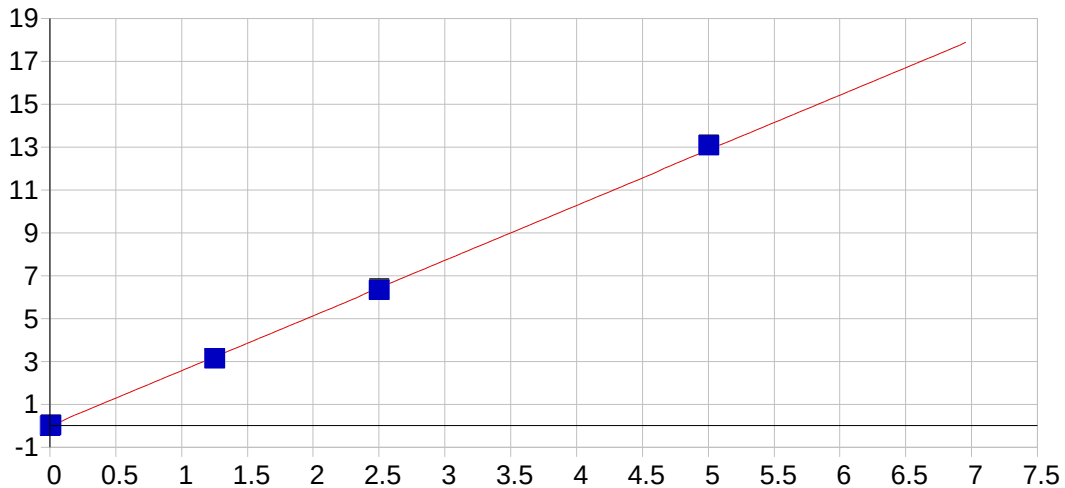
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000031 Re-Slope: 1.000000
 A1 (Gain): 0.716169 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999950
 Std Error of Est: 0.000021
 Predicted MDL: 0.000072
 Predicted MQL: 0.000241

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00003	.000	1
S1	.00600	.00666	.001	11.0	.00476	.000	1
S3	.12500	.12613	.001	.902	.08980	.000	1
S4	.25000	.24954	-.000	-.186	.17761	.001	1
S5	.50000	.49868	-.001	-.264	.35492	.000	1



Cd 226.502 {449}

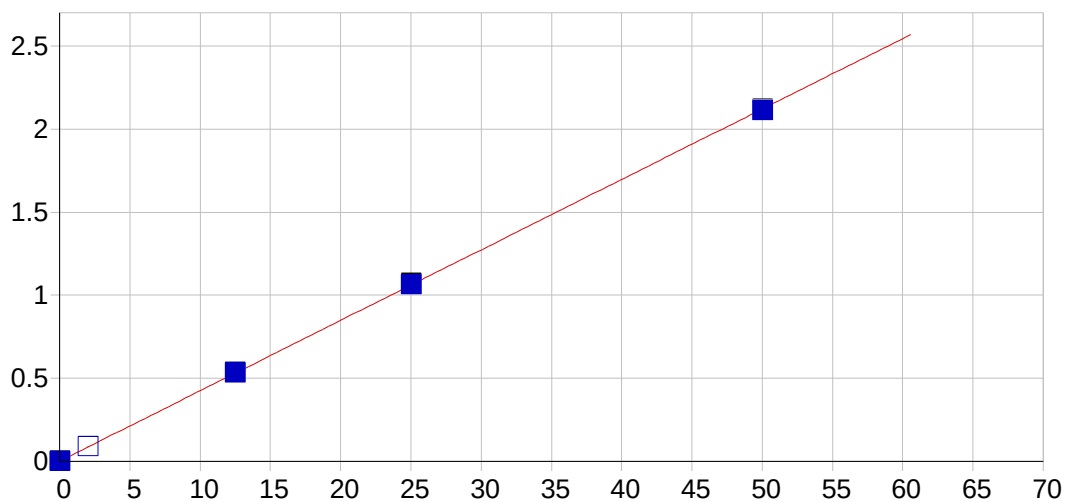
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001243
 A1 (Gain): 2.571726
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999831
 Std Error of Est: 0.000442
 Predicted MDL: 0.000087
 Predicted MQL: 0.000291

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00124	.000	1
S1	.00600	.00595	-.000	-.813	.01409	.000	1
S3	1.2500	1.2153	-.035	-2.78	3.1249	.005	1
S4	2.5000	2.4564	-.044	-1.74	6.3174	.043	1
S5	5.0000	5.0784	.078	1.57	13.062	.014	1

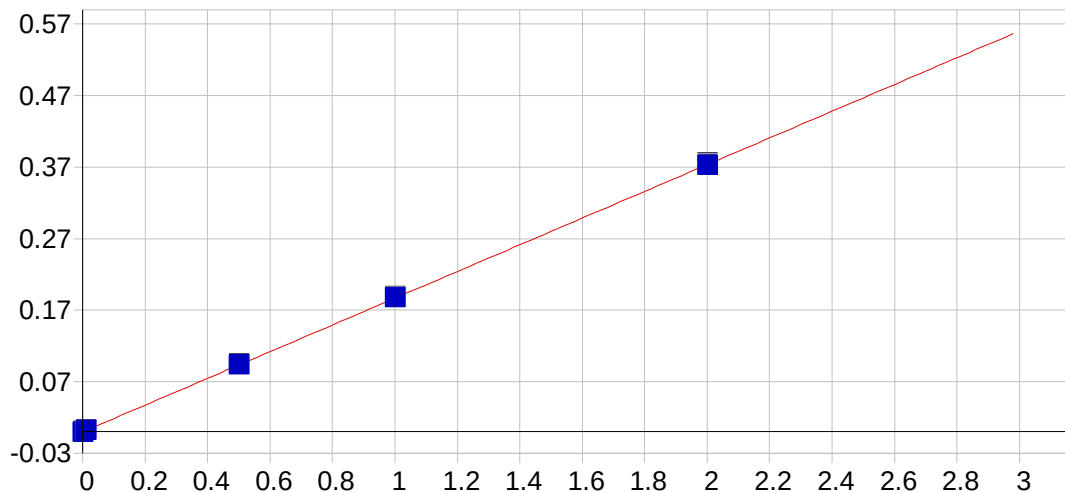


Ca 373.690 { 90}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000819 Re-Slope: 1.000000
 A1 (Gain): 0.042397 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999977 Status: OK.
 Std Error of Est: 0.000157
 Predicted MDL: 0.018088
 Predicted MQL: 0.060292

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.0747	.075	3.73	.08878	.000	1
S0	.00000	-.00008	-.000	.000	.00082	.000	1
S3	12.500	12.561	.061	.485	.53364	.002	1
S4	25.000	25.069	.069	.277	1.0642	.006	1
S5	50.000	49.796	-.204	-.409	2.1131	.005	1



Cr 267.716 {126}

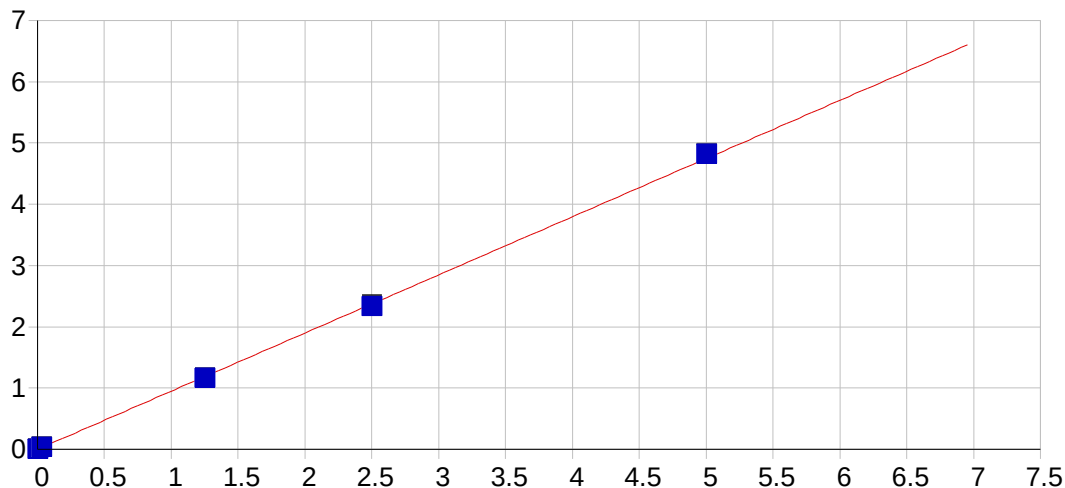
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000061 Re-Slope: 1.000000
 A1 (Gain): 0.186792 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999978
 Std Error of Est: 0.000009
 Predicted MDL: 0.000397
 Predicted MQL: 0.001322

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00006	.000	1
S1	.01000	.01115	.001	11.5	.00203	.000	1
S3	.50000	.50182	.002	.364	.09437	.001	1
S4	1.0000	1.0020	.002	.204	.18851	.001	1
S5	2.0000	1.9950	-.005	-.250	.37538	.000	1



Co 228.616 {447}

Date of Fit: 1/24/2019 16:02:56

Type of Fit: Linear

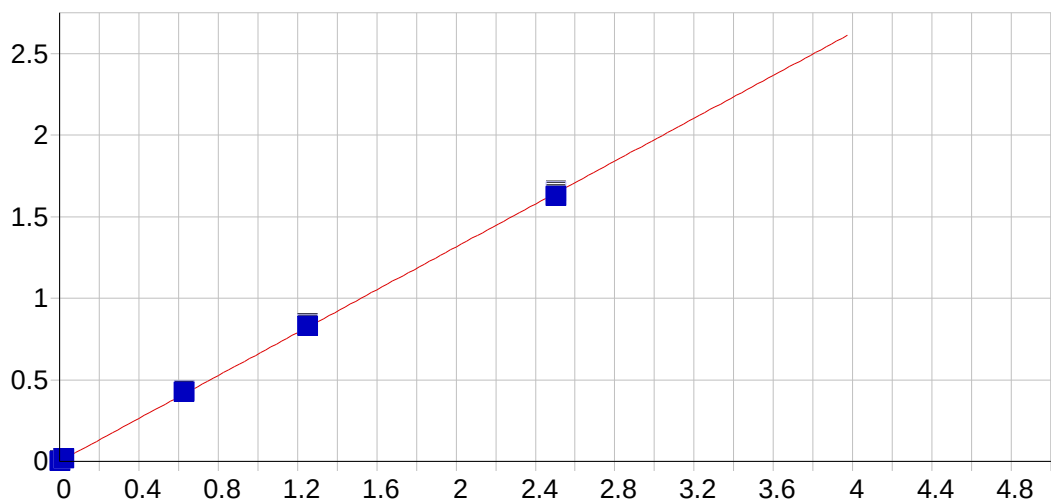
Weighting: 1/Conc

A0 (Offset): 0.000442
 A1 (Gain): 0.949300
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999818
 Std Error of Est: 0.000380
 Predicted MDL: 0.000218
 Predicted MQL: 0.000727

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00044	.000	1
S1	.03000	.03427	.004	14.2	.03278	.000	1
S3	1.2500	1.2188	-.031	-2.50	1.1583	.002	1
S4	2.5000	2.4554	-.045	-1.78	2.3332	.018	1
S5	5.0000	5.0716	.072	1.43	4.8186	.005	1

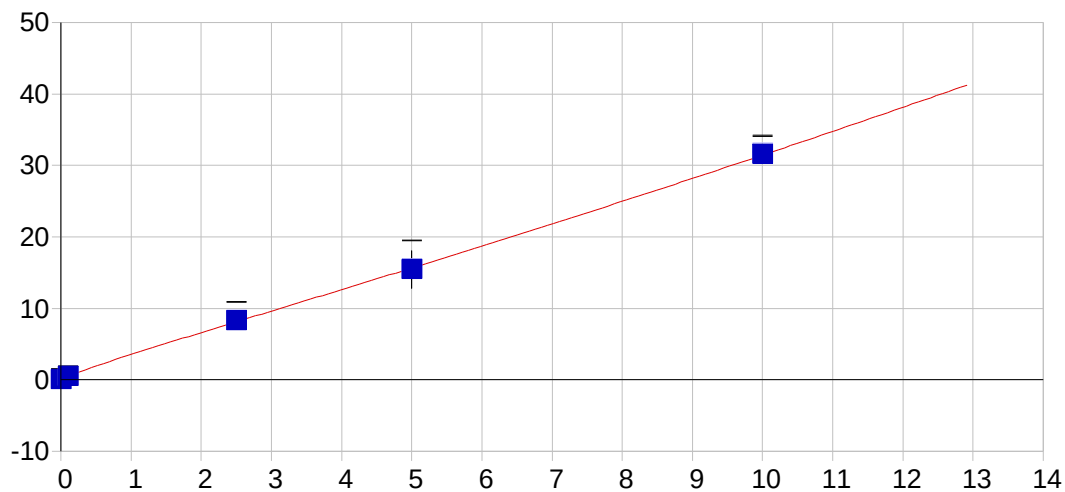


Cu 224.700 {450}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000494 Re-Slope: 1.000000
 A1 (Gain): 0.657098 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999867 Status: OK.
 Std Error of Est: 0.000132
 Predicted MDL: 0.000432
 Predicted MQL: 0.001439

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00049	.000	1
S1	.02000	.02271	.003	13.5	.01562	.000	1
S3	.62500	.64300	.018	2.88	.42965	.000	1
S4	1.2500	1.2563	.006	.504	.83928	.002	1
S5	2.5000	2.4730	-.027	-1.08	1.6520	.005	1



Fe 240.488 {140}

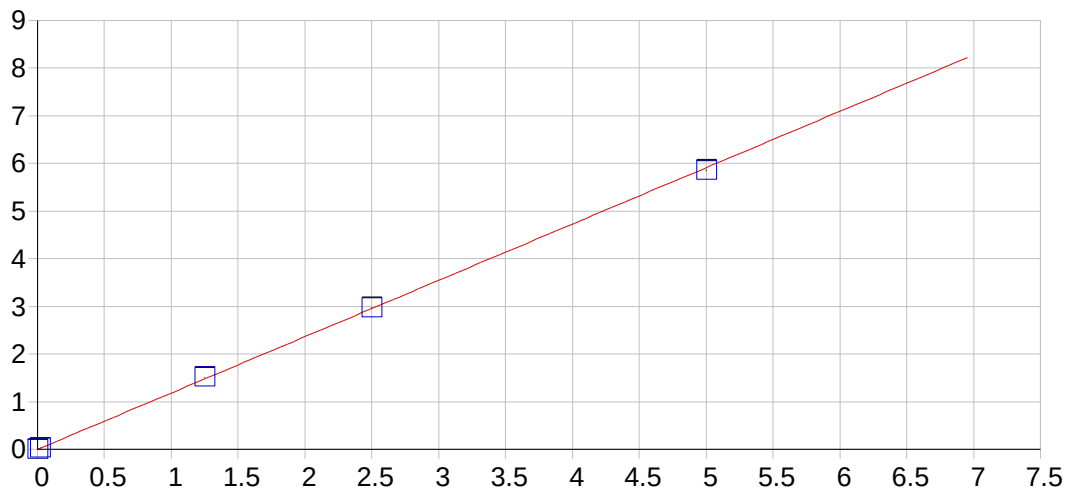
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): 0.029095 Re-Slope: 1.000000
 A1 (Gain): 3.394672 Y-int: 0.000000

A2 (Curvature): 0.129963
 n (Exponent): 0.860000
 Correlation: 0.999928
 Std Error of Est: 0.003586
 Predicted MDL: 0.017164
 Predicted MQL: 0.057214

Status: Warning Positive Curvature

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.02910	.061	1
S1	.10000	.09740	-.003	-2.60	.49122	.014	1
S3	2.5000	2.5564	.056	2.25	8.3343	1.15	1
S4	5.0000	4.9181	-.082	-1.64	15.485	2.67	1
S5	10.000	10.027	.027	.271	31.702	1.10	1

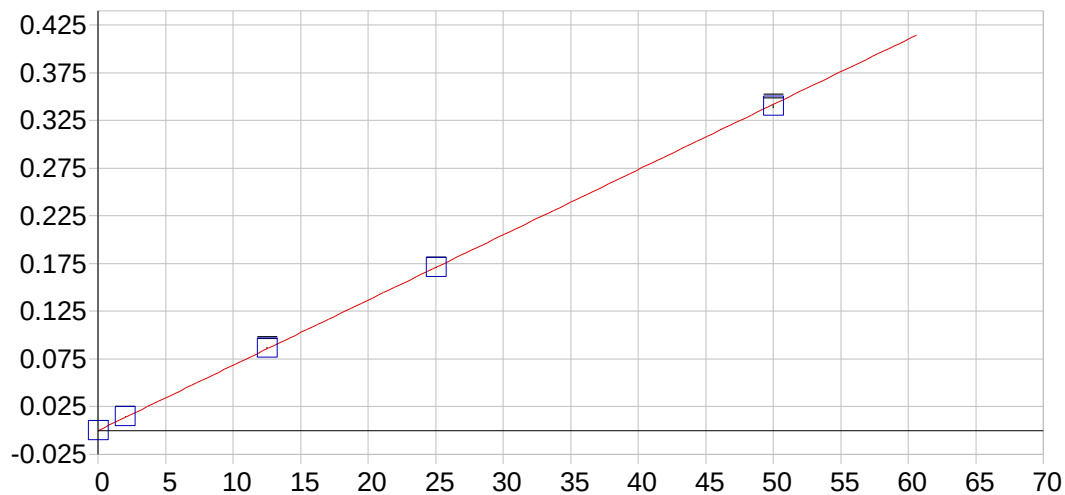


Mn 257.610 {131}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000039 Re-Slope: 1.000000
 A1 (Gain): 1.182293 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999892 Status: OK.
 Std Error of Est: 0.000297
 Predicted MDL: 0.000060
 Predicted MQL: 0.000199

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00003	.000	1
S1	.02000	.02378	.004	18.9	.02815	.000	1
S3	1.2500	1.2795	.029	2.36	1.5128	.003	1
S4	2.5000	2.5127	.013	.507	2.9708	.005	1
S5	5.0000	4.9541	-.046	-.919	5.8572	.013	1

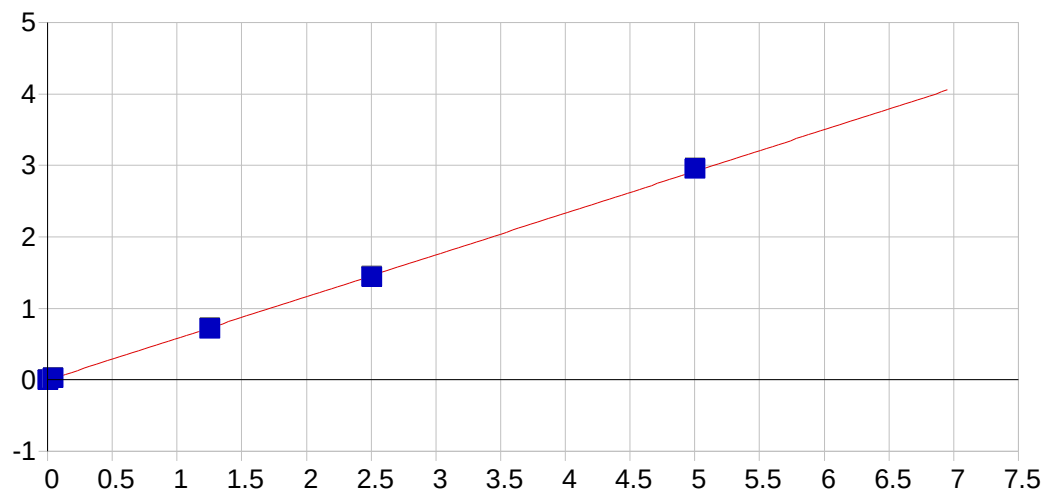


Mg 279.079 {121}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000031 Re-Slope: 1.000000
 A1 (Gain): 0.006838 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999913 Status: OK.
 Std Error of Est: 0.000049
 Predicted MDL: 0.050516
 Predicted MQL: 0.168387

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.1530	.153	7.65	.01469	.000	1
S0	.00000	-.00017	-.000	.000	-.00003	.000	1
S3	12.500	12.661	.161	1.29	.08655	.001	1
S4	25.000	24.979	-.021	-.083	.17078	.000	1
S5	50.000	49.707	-.293	-.587	.33988	.002	1



Ni 231.604 {445}

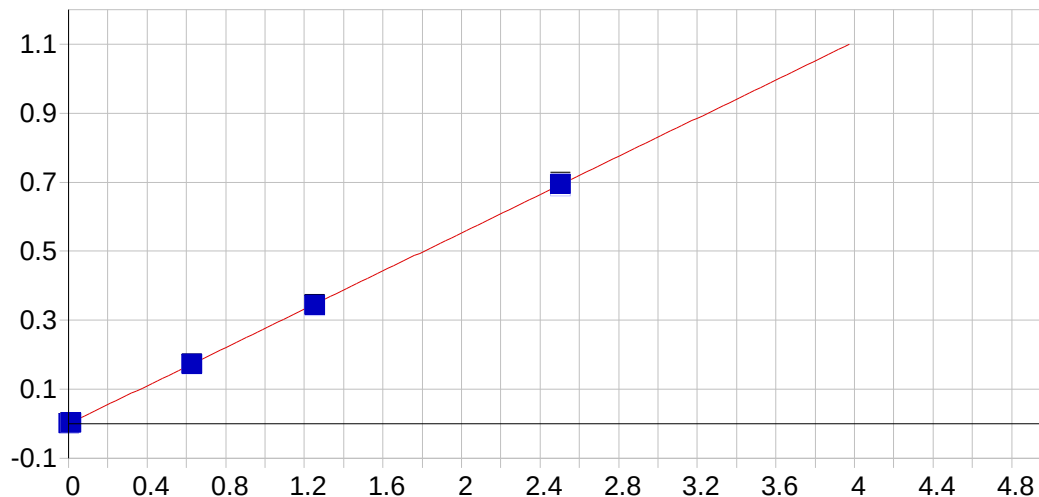
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.003670 Re-Slope: 1.000000
 A1 (Gain): 0.583834 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999886
 Std Error of Est: 0.000213
 Predicted MDL: 0.000376
 Predicted MQL: 0.001252

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00367	.000	1
S1	.04000	.04415	.004	10.4	.02212	.000	1
S3	1.2500	1.2293	-.021	-1.66	.71482	.001	1
S4	2.5000	2.4609	-.039	-1.56	1.4347	.008	1
S5	5.0000	5.0557	.056	1.11	2.9512	.003	1



Ag 328.068 {103}

Date of Fit: 1/24/2019 16:02:56

Type of Fit: Linear

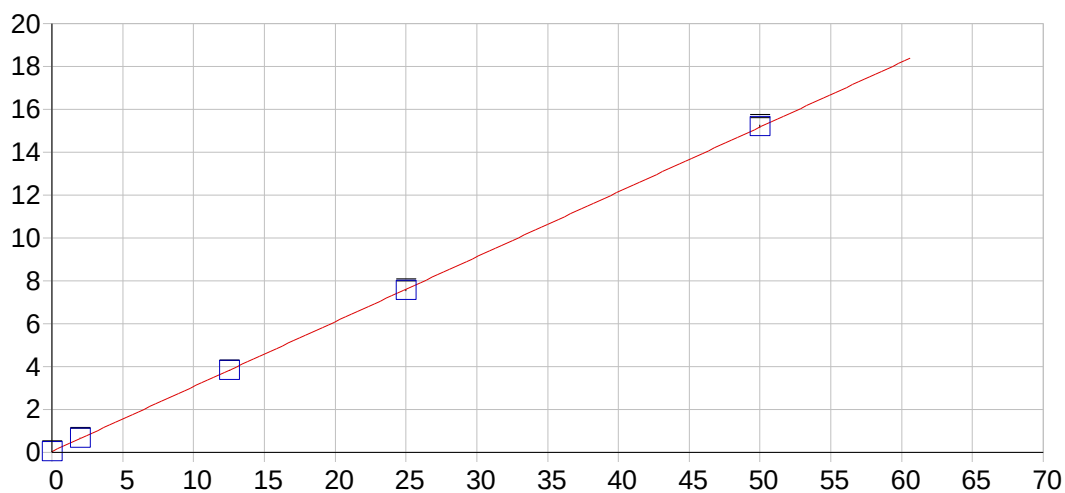
Weighting: 1/Conc

A0 (Offset): -0.000350
 A1 (Gain): 0.276876
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999980
 Std Error of Est: 0.000015
 Predicted MDL: 0.000448
 Predicted MQL: 0.001492

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00035	.000	1
S1	.01000	.01091	.001	9.11	.00261	.000	1
S3	.62500	.62193	-.003	-.491	.16988	.001	1
S4	1.2500	1.2429	-.007	-.567	.33986	.001	1
S5	2.5000	2.5092	.009	.370	.68655	.005	1

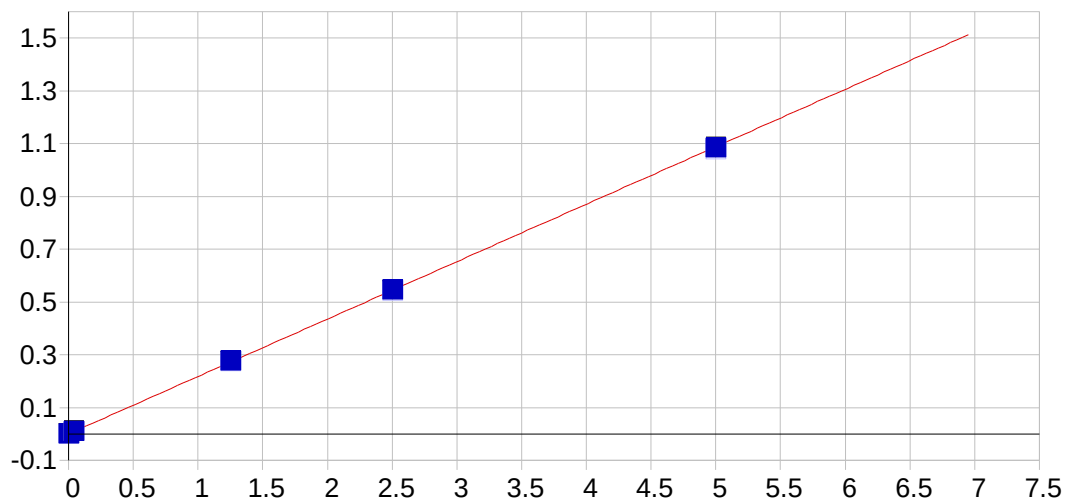


Na 589.592 { 57}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.043472 Re-Slope: 1.000000
 A1 (Gain): 0.302655 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999979 Status: OK.
 Std Error of Est: 0.001059
 Predicted MDL: 0.009053
 Predicted MQL: 0.030177

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.0679	.068	3.40	.66934	.003	1
S0	.00000	-.00006	-.000	.000	.04345	.004	1
S3	12.500	12.498	-.002	-.014	3.8261	.008	1
S4	25.000	24.830	-.170	-.679	7.5585	.043	1
S5	50.000	50.103	.103	.207	15.208	.076	1



V 292.402 {115}

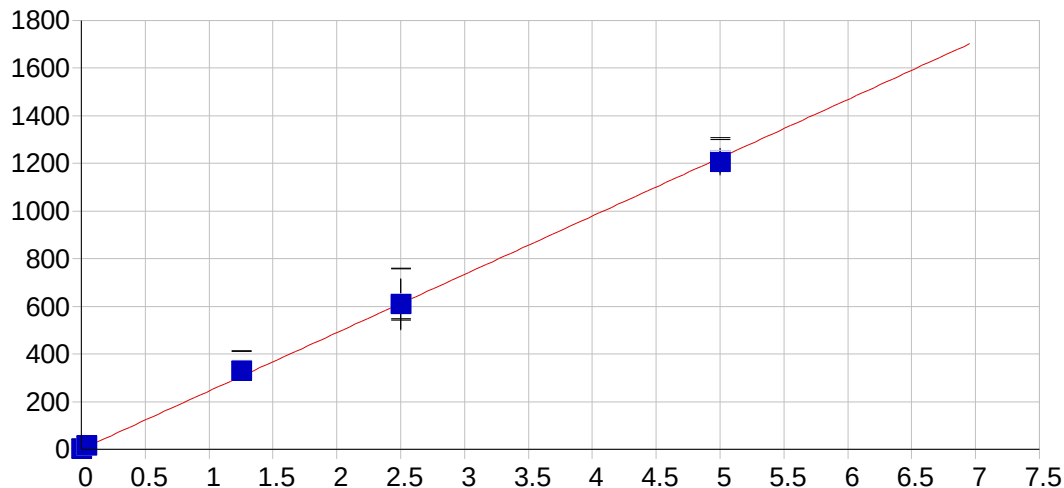
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000002 Re-Slope: 1.000000
 A1 (Gain): 0.217622 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999907
 Std Error of Est: 0.000071
 Predicted MDL: 0.000419
 Predicted MQL: 0.001395

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00000	.000	1
S1	.04000	.04723	.007	18.1	.01014	.000	1
S3	1.2500	1.2659	.016	1.28	.27372	.001	1
S4	2.5000	2.5001	.000	.003	.54052	.000	1
S5	5.0000	4.9768	-.023	-.464	1.0760	.002	1



Zn 206.200 {163}

Date of Fit: 1/24/2019 16:02:56

Type of Fit: Linear

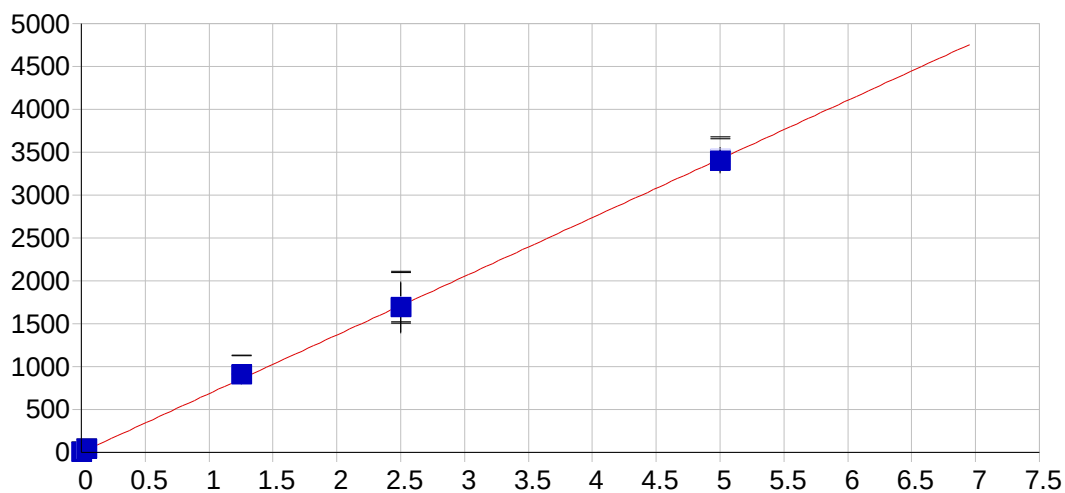
Weighting: 1/Conc

A0 (Offset): 0.281395
 A1 (Gain): 244.730547
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999409
 Std Error of Est: 0.204879
 Predicted MDL: 0.000302
 Predicted MQL: 0.001006

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.27839	.059	1
S1	.04000	.05039	.010	26.0	12.677	1.69	1
S3	1.2500	1.3394	.089	7.15	329.93	40.9	1
S4	2.5000	2.4795	-.021	-.821	610.79	107.	1
S5	5.0000	4.9207	-.079	-1.59	1211.9	54.0	1

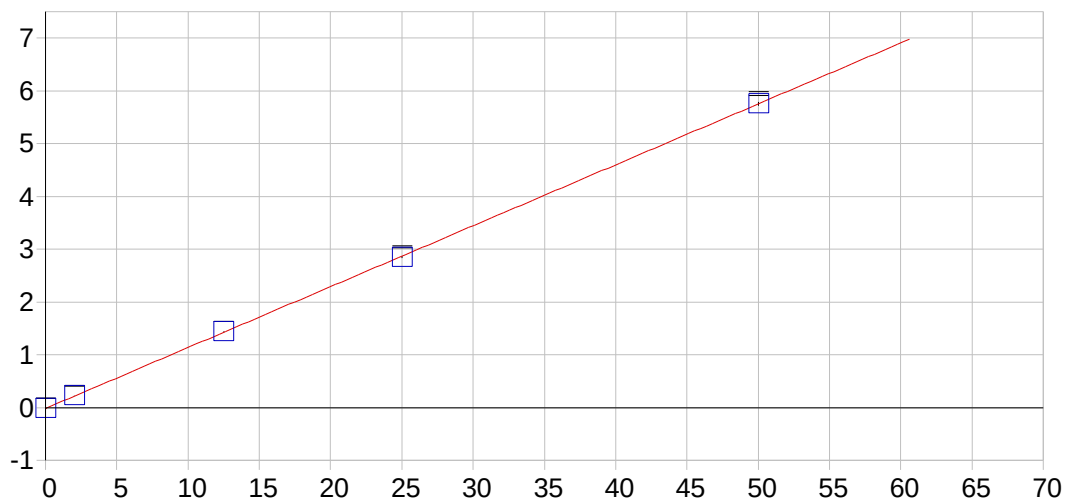


Zn 213.856 {458}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.869684 Re-Slope: 1.000000
 A1 (Gain): 684.059085 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999661 Status: OK.
 Std Error of Est: 0.433913
 Predicted MDL: 0.000052
 Predicted MQL: 0.000172

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.86279	.033	1
S1	.04000	.04893	.009	22.3	34.519	4.41	1
S3	1.2500	1.3136	.064	5.09	904.62	109.	1
S4	2.5000	2.4623	-.038	-1.51	1695.6	295.	1
S5	5.0000	4.9652	-.035	-.697	3418.0	144.	1



K 766.490 {44}

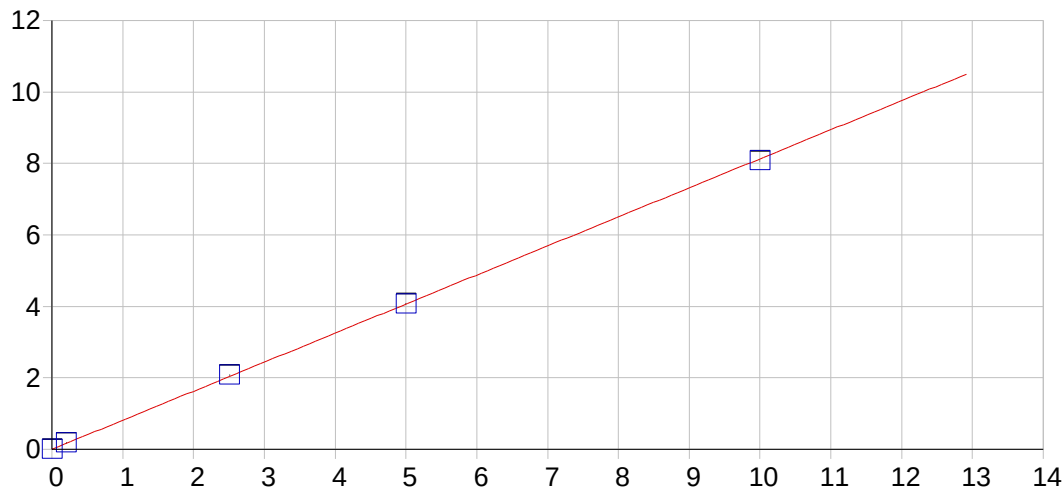
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.017660 Re-Slope: 1.000000
 A1 (Gain): 0.115404 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999982
 Std Error of Est: 0.000374
 Predicted MDL: 0.029425
 Predicted MQL: 0.098082

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.0554	.055	2.77	.21954	.004	1
S0	.00000	-.00006	-.000	.000	-.01767	.004	1
S3	12.500	12.589	.089	.713	1.4352	.002	1
S4	25.000	24.843	-.157	-.627	2.8493	.017	1
S5	50.000	50.012	.012	.025	5.7540	.036	1



Mo 202.030 {467}

Date of Fit: 1/24/2019 16:02:56

Type of Fit: Linear

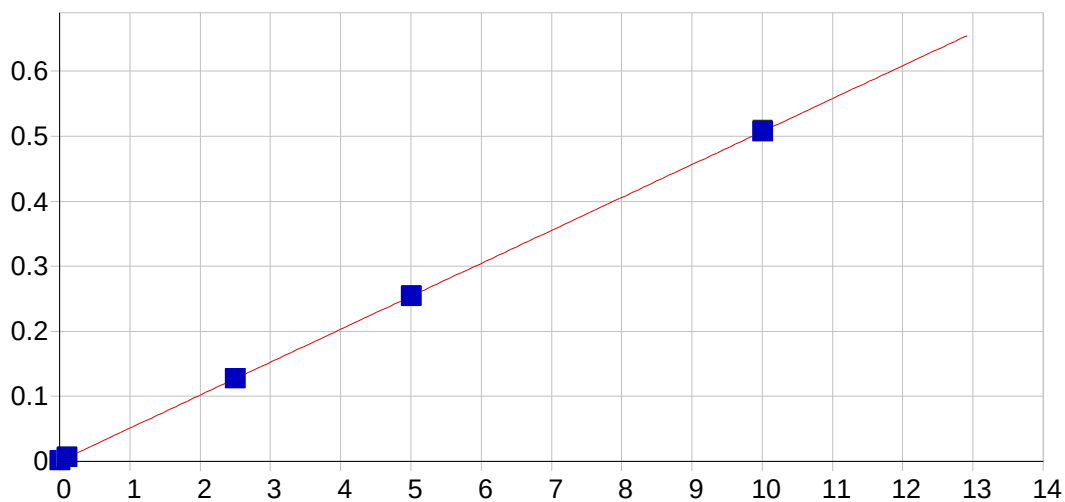
Weighting: 1/Conc

A0 (Offset): 0.000196
 A1 (Gain): 0.812976
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999894
 Std Error of Est: 0.000907
 Predicted MDL: 0.000238
 Predicted MQL: 0.000795

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00018	.000	1
S1	.20000	.22105	.021	10.5	.17990	.000	1
S3	2.5000	2.5489	.049	1.96	2.0724	.002	1
S4	5.0000	5.0048	.005	.097	4.0690	.010	1
S5	10.000	9.9252	-.075	-.748	8.0691	.015	1

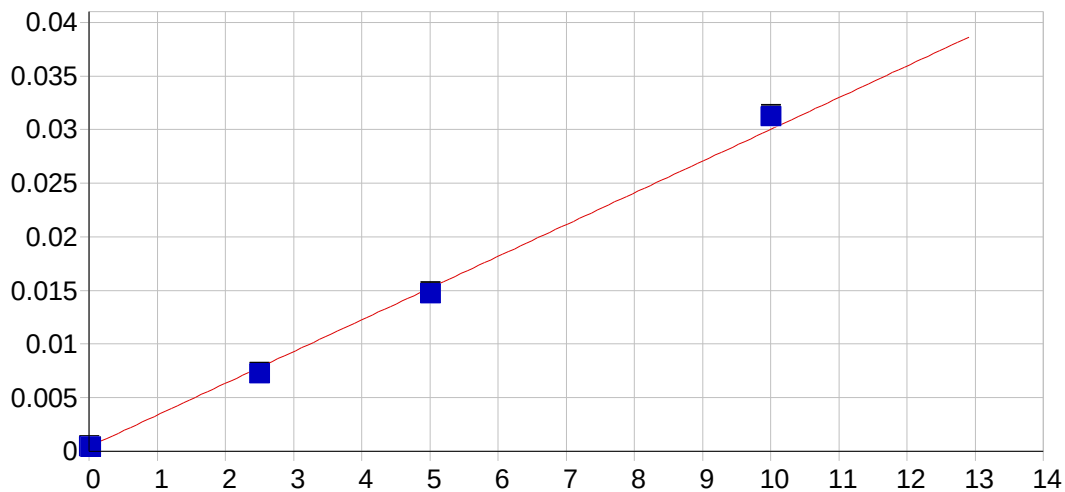


B 249.678 {135}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000520 Re-Slope: 1.000000
 A1 (Gain): 0.050669 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999973 Status: OK.
 Std Error of Est: 0.000020
 Predicted MDL: 0.006782
 Predicted MQL: 0.022608

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00052	.000	1
S1	.10000	.10965	.010	9.65	.00605	.000	1
S3	2.5000	2.4941	-.006	-.237	.12660	.000	1
S4	5.0000	4.9976	-.002	-.048	.25315	.001	1
S5	10.000	9.9987	-.001	-.013	.50596	.001	1



S 182.034 {485}

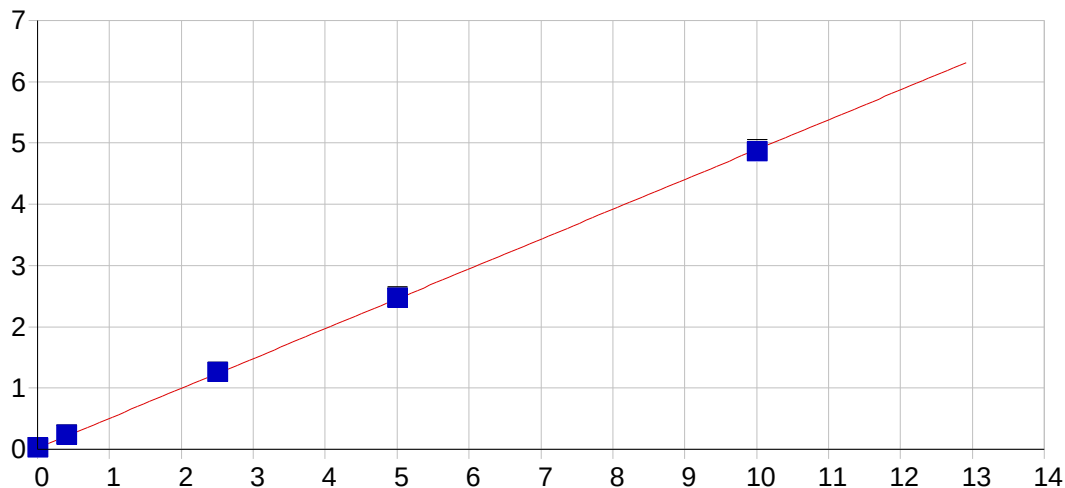
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000416 Re-Slope: 1.000000
 A1 (Gain): 0.002960 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.997093
 Std Error of Est: 0.000005
 Predicted MDL: 0.027465
 Predicted MQL: 0.091551

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00004	.000	.000	.00042	.000	1
S1	.02000	-.01613	-.036	-181.	.00037	.000	1
S3	2.5000	2.3086	-.191	-7.66	.00724	.000	1
S4	5.0000	4.8263	-.174	-3.47	.01468	.000	1
S5	10.000	10.400	.400	4.00	.03117	.000	1



Si 288.158 {117}

Date of Fit: 1/24/2019 16:02:56

Type of Fit: Linear

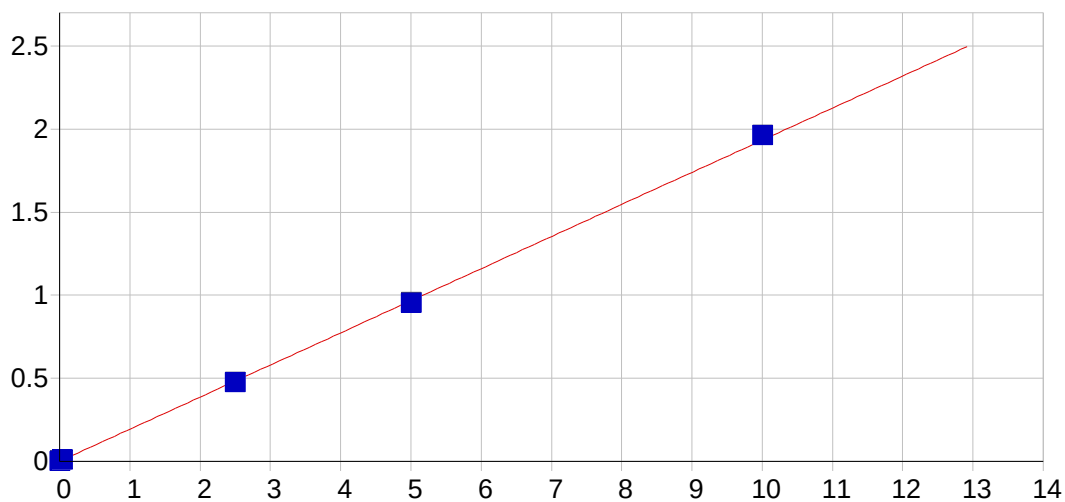
Weighting: 1/Conc

A0 (Offset): 0.020057
 A1 (Gain): 0.487153
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999897
 Std Error of Est: 0.000764
 Predicted MDL: 0.002099
 Predicted MQL: 0.006996

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00004	-.000	.000	.02004	.000	1
S1	.40000	.43315	.033	8.29	.23091	.001	1
S3	2.5000	2.5241	.024	.966	1.2491	.005	1
S4	5.0000	5.0214	.021	.427	2.4649	.016	1
S5	10.000	9.9214	-.079	-.786	4.8507	.037	1

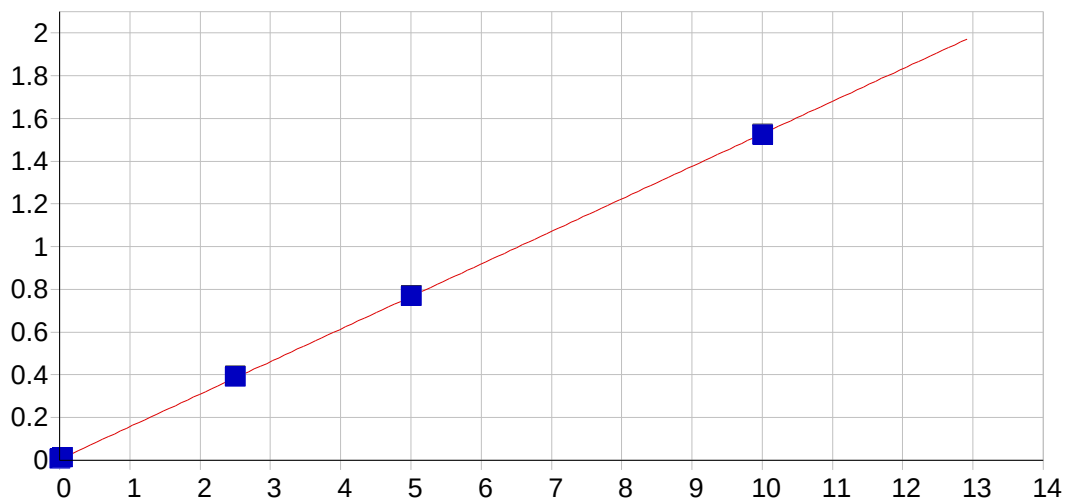


Sn 189.989 {477}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000527 Re-Slope: 1.000000
 A1 (Gain): 0.193235 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999859 Status: OK.
 Std Error of Est: 0.000111
 Predicted MDL: 0.000615
 Predicted MQL: 0.002049

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00053	.000	1
S1	.04000	.04455	.005	11.4	.00914	.000	1
S3	2.5000	2.4435	-.057	-2.26	.47277	.001	1
S4	5.0000	4.9180	-.082	-1.64	.95102	.006	1
S5	10.000	10.134	.134	1.34	1.9591	.002	1



Ti 336.121 {100}

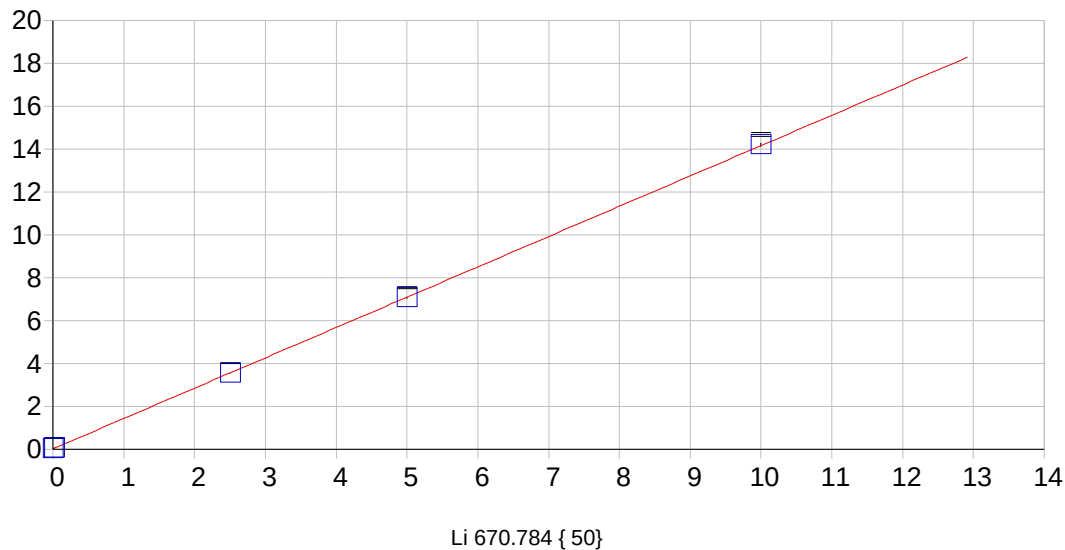
Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004983 Re-Slope: 1.000000
 A1 (Gain): 0.152305 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999951
 Std Error of Est: 0.000051
 Predicted MDL: 0.003237
 Predicted MQL: 0.010789

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00498	.000	1
S1	.04000	.04693	.007	17.3	.01213	.000	1
S3	2.5000	2.5286	.029	1.14	.39005	.002	1
S4	5.0000	5.0065	.006	.130	.76740	.003	1
S5	10.000	9.9580	-.042	-.420	1.5214	.003	1

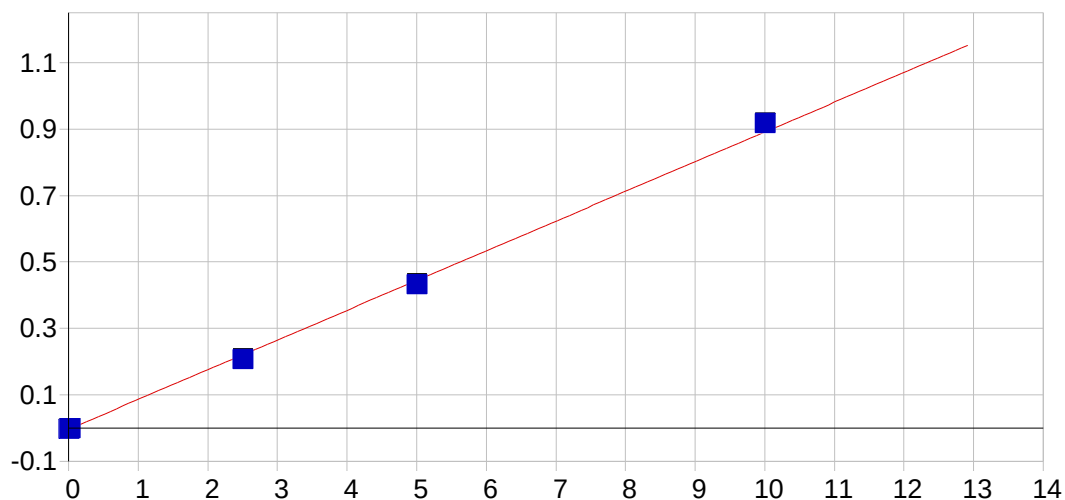


Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.022549 Re-Slope: 1.000000
 A1 (Gain): 1.414224 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999993
 Std Error of Est: 0.000128
 Predicted MDL: 0.002092
 Predicted MQL: 0.006972

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.02255	.001	1
S1	.02000	.02077	.001	3.85	.05192	.003	1
S3	2.5000	2.4903	-.010	-.387	3.5444	.008	1
S4	5.0000	4.9790	-.021	-.421	7.0639	.046	1
S5	10.000	10.030	.030	.299	14.207	.079	1

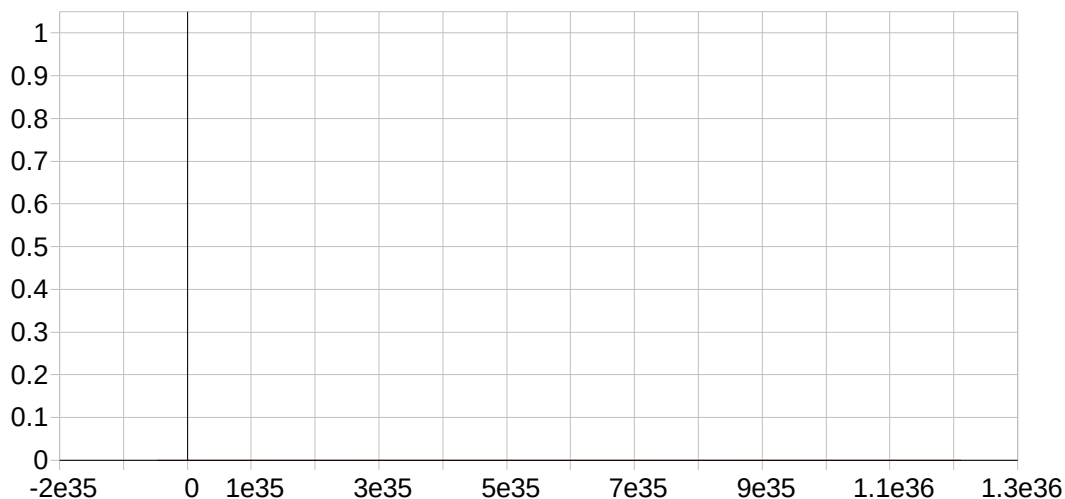


P 177.495 {490}

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.003153 Re-Slope: 1.000000
 A1 (Gain): 0.089450 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999402 Status: OK.
 Std Error of Est: 0.000075
 Predicted MDL: 0.001382
 Predicted MQL: 0.004607

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00315	.000	1
S1	.02000	.01887	-.001	-5.66	-.00147	.000	1
S3	2.5000	2.3505	-.150	-5.98	.20677	.001	1
S4	5.0000	4.8640	-.136	-2.72	.43128	.001	1
S5	10.000	10.287	.287	2.87	.91569	.000	1



Y 224.306 {450}*

Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

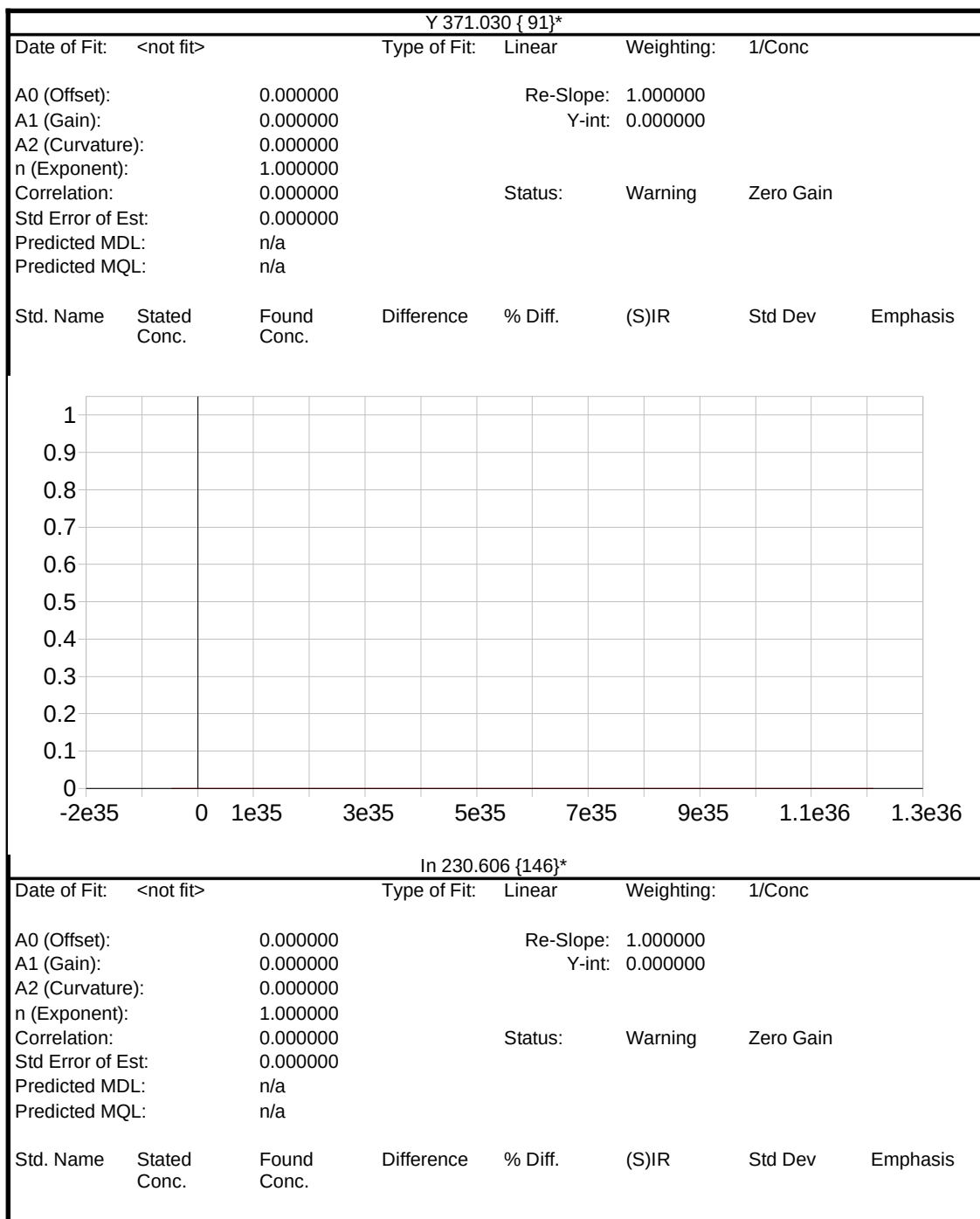
A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000

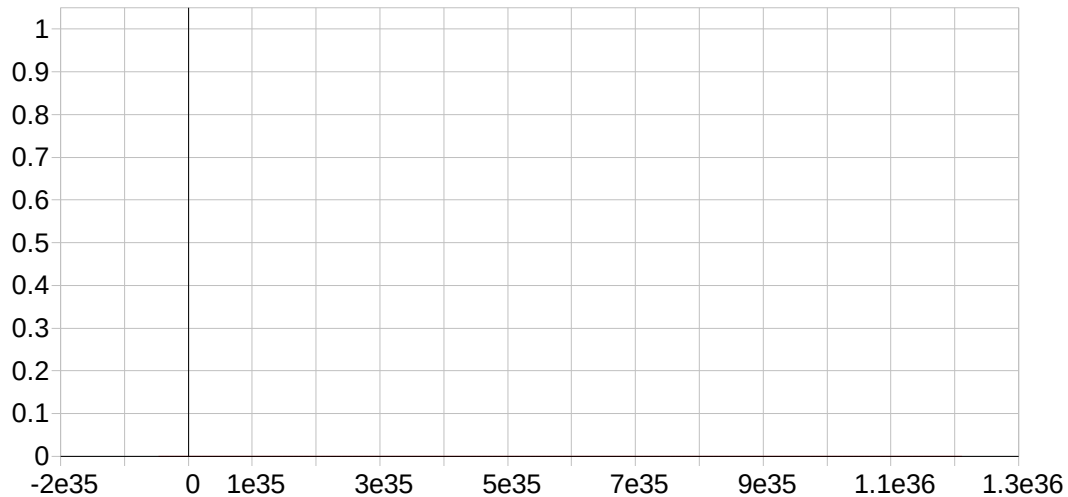
Status: Warning Zero Gain

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
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Re-Slope: 1.000000
Y-int: 0.000000

Status: Warning Zero Gain

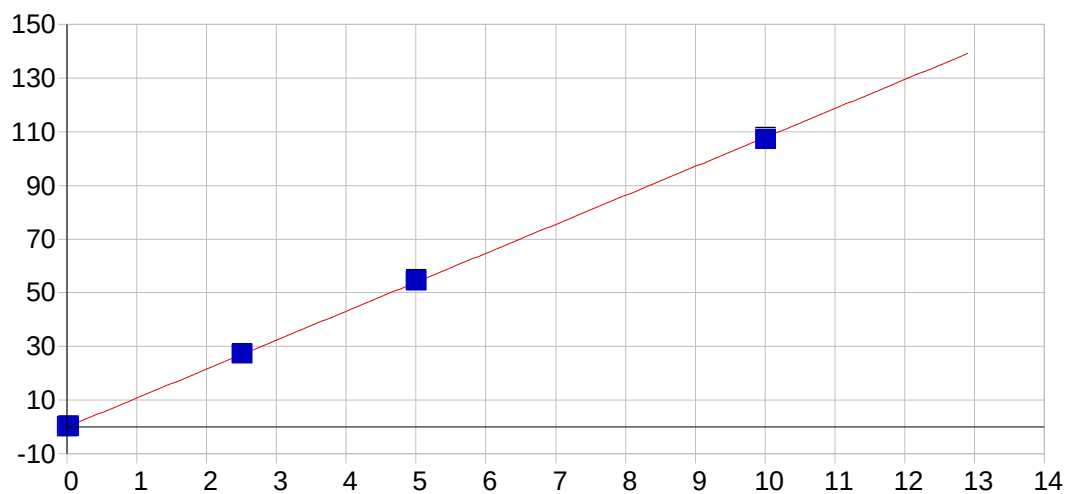




Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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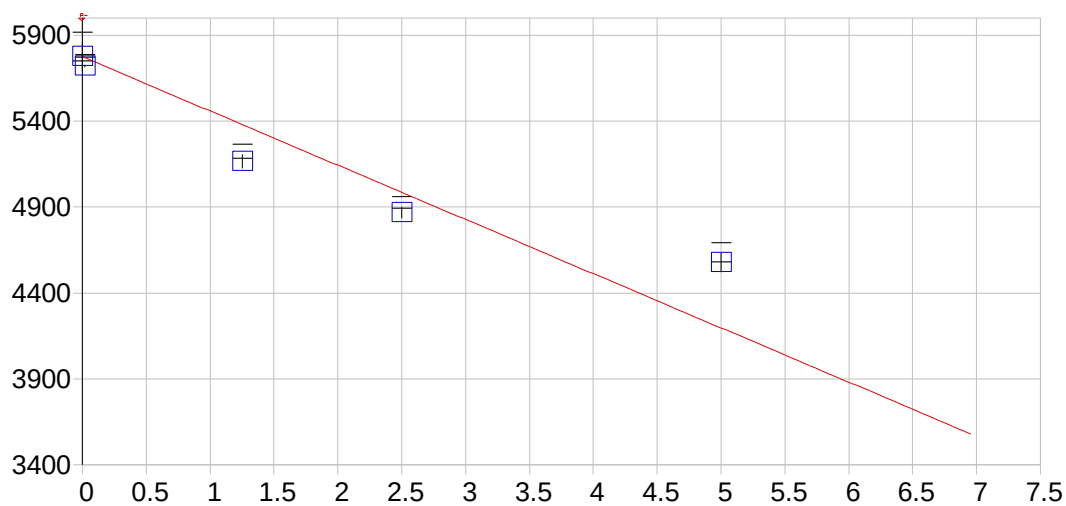


Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004399 Re-Slope: 1.000000
 A1 (Gain): 10.784065 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999973 Status: OK.
 Std Error of Est: 0.001906
 Predicted MDL: 0.000101

Predicted MQL: 0.000336

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00441	.001	1
S1	.02000	.02098	.001	4.91	.22306	.001	1
S3	2.5000	2.5229	.023	.914	27.232	.054	1
S4	5.0000	5.0383	.038	.767	54.389	.412	1
S5	10.000	9.9378	-.062	-.622	107.28	.528	1

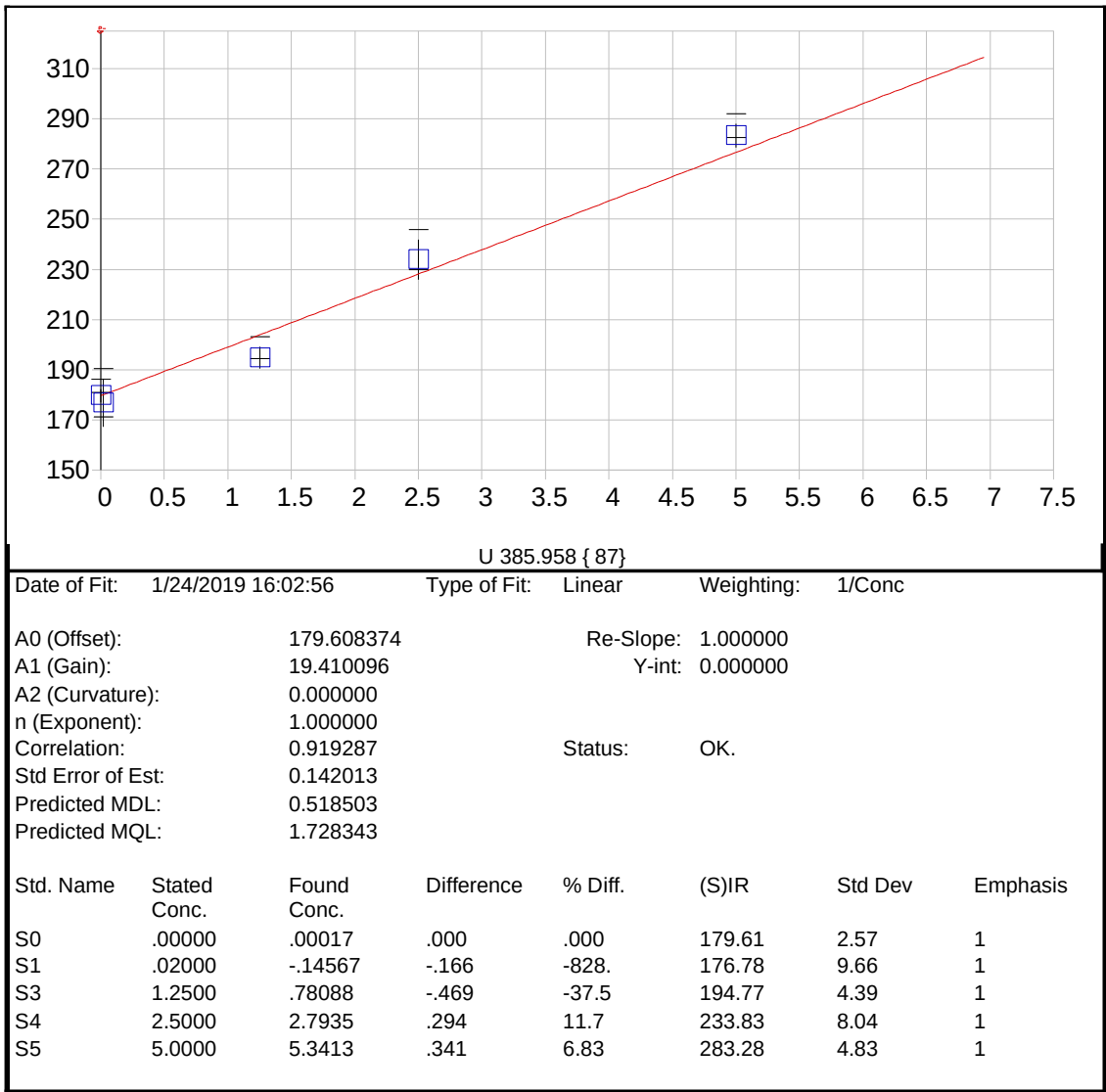


U 367.007 { 92 }

Date of Fit: 1/24/2019 16:02:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 5774.894637 Re-Slope: 1.000000
A1 (Gain): -315.611401 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.908134 Status: Warning Negative Gain
Std Error of Est: 2.486529
Predicted MDL: n/a
Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00016	-.000	.000	5774.9	84.8	1
S1	.02000	.17115	.151	756.	5720.9	7.76	1
S3	1.2500	1.9335	.683	54.7	5164.7	41.0	1
S4	2.5000	2.8723	.372	14.9	4868.4	34.1	1
S5	5.0000	3.7931	-1.21	-24.1	4577.7	55.8	1



Sample Name: S0 Acquired: 1/24/2019 11:48:17 Type: Cal
Method: P4-ICP2(v2778) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00007	-.00028	.00192	-.00019	.00042	.00013	.08597	.00003
Stddev	.00008	.00005	.00025	.00005	.00019	.00004	.00270	.00002
%RSD	115.45	19.324	13.079	26.115	45.885	31.814	3.1417	55.894
#1	.00015	-.00024	.00221	-.00020	.00035	.00015	.08400	.00003
#2	.00009	-.00034	.00180	-.00014	.00064	.00008	.08485	.00005
#3	-.00002	-.00025	.00176	-.00024	.00028	.00016	.08905	.00001
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00124	.00082	-.00006	.00044	.00049	.02910	.00003	-.00003
Stddev	.00015	.00013	.00010	.00028	.00020	.06144	.00003	.00012
%RSD	11.880	16.512	157.10	63.178	39.888	211.11	93.418	364.31
#1	-.00129	.00084	-.00017	.00076	.00029	.01147	.00007	.00003
#2	-.00136	.00094	-.00001	.00032	.00050	-.02159	.00001	.00004
#3	-.00108	.00067	-.00000	.00024	.00068	.09743	.00002	-.00017
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00367	-.00035	.04345	.00000	.86279	-.01767	.00018	.00052
Stddev	.00012	.00002	.00367	.00007	.03337	.00350	.00011	.00029
%RSD	3.3362	6.5276	8.4526	11642.	3.8676	19.839	64.771	55.269
#1	-.00368	-.00037	.04597	-.00002	.86801	-.01730	.00018	.00050
#2	-.00379	-.00035	.04516	.00008	.89324	-.02134	.00029	.00024
#3	-.00355	-.00033	.03924	-.00006	.82712	-.01436	.00006	.00081
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00042	.02004	.00053	.00498	.02255	-.0032	-.00441	5774.9
Stddev	.00006	.00012	.00006	.00019	.00091	.0000	.00058	84.8
%RSD	13.647	.57439	11.992	3.7377	4.0309	1.077	13.251	1.4691
#1	.00048	.02004	.00047	.00480	.02211	-.0031	-.00485	5760.8
#2	.00037	.02015	.00060	.00498	.02194	-.0032	-.00375	5698.1
#3	.00040	.01992	.00051	.00517	.02359	-.0032	-.00463	5866.0

Sample Name: S0 Acquired: 1/24/2019 11:48:17 Type: Cal
 Method: P4-ICP2(v2778) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	179.61
Stddev	2.57
%RSD	1.4318

#1	182.56
#2	178.43
#3	177.84

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3414.6	48241.	4112.3	9.7098	4255.2
Stddev	7.6	193.	24.1	.5845	7.5
%RSD	.22209	.39983	.58522	6.0200	.17668

#1	3406.5	48125.	4136.3	9.9068	4247.0
#2	3415.6	48134.	4088.2	9.0523	4261.8
#3	3421.5	48464.	4112.5	10.170	4256.8

Sample Name: S1 Acquired: 1/24/2019 11:52:44 Type: Cal
Method: P4-ICP2(v2778) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00171	.00385	.00464	.00133	.00813	.00091	.16353	.00476
Stddev	.00004	.00008	.00015	.00009	.00003	.00005	.00069	.00006
%RSD	2.3838	2.1625	3.2531	6.9710	.34679	5.1619	.42045	1.3374

#1	.00168	.00384	.00448	.00129	.00810	.00086	.16407	.00471
#2	.00175	.00377	.00478	.00144	.00815	.00095	.16376	.00483
#3	.00169	.00394	.00466	.00127	.00815	.00091	.16275	.00473

Elem	Cd2265	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01409	.00203	.03278	.01562	.49122	.02815	.02212	.00261
Stddev	.00029	.00003	.00041	.00013	.01430	.00007	.00017	.00013
%RSD	2.0886	1.7198	1.2360	.80216	2.9113	.25556	.78194	5.0639

#1	.01434	.00200	.03288	.01572	.50771	.02822	.02232	.00249
#2	.01377	.00207	.03234	.01565	.48377	.02817	.02203	.00275
#3	.01417	.00203	.03313	.01548	.48218	.02808	.02201	.00260

Elem	V_2924	Zn2138	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01014	34.519	.17990	.00605	.00037	.23091	.00914	.01213
Stddev	.00007	4.413	.00020	.00025	.00004	.00101	.00008	.00034
%RSD	.70364	12.784	.11232	4.0572	10.604	.43949	.83543	2.8385

#1	.01020	29.473	.17972	.00613	.00040	.23164	.00921	.01210
#2	.01006	36.424	.17987	.00626	.00032	.22975	.00913	.01248
#3	.01017	37.659	.18012	.00578	.00038	.23133	.00906	.01180

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.05192	-.0015	.22306	5720.9	176.78
Stddev	.00348	.0000	.00117	7.8	9.66
%RSD	6.6936	1.720	.52273	.13571	5.4649

#1	.04792	-.0015	.22219	5719.7	183.19
#2	.05413	-.0015	.22439	5713.8	165.67
#3	.05371	-.0014	.22261	5729.2	181.49

Sample Name: S1 Acquired: 1/24/2019 11:52:44 Type: Cal
Method: P4-ICP2(v2778) 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	3424.7	48316.	4131.8	8.9621	4197.0
Stddev	6.4	182.	12.6	1.1842	13.4
%RSD	.18715	.37626	.30490	13.214	.31890
#1	3417.9	48136.	4120.8	10.323	4182.4
#2	3425.6	48313.	4129.1	8.4000	4208.7
#3	3430.6	48500.	4145.5	8.1636	4199.9

Sample Name: S2 Acquired: 1/24/2019 11:57:11 Type: Cal
Method: P4-ICP2(v2778) 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	.08878	.01469	.66934	.21954
Stddev	.00006	.00020	.00345	.00446
%RSD	.06462	1.3731	.51612	2.0337

#1	.08879	.01463	.66575	.22103
#2	.08883	.01492	.66962	.21452
#3	.08872	.01453	.67264	.22307

Int. Std.	Y_3710
Units	Cts/S
Avg	4051.0
Stddev	24.8
%RSD	.61171

#1	4077.6
#2	4028.7
#3	4046.6

Sample Name: S3 Acquired: 1/24/2019 12:01:29 Type: Cal
Method: P4-ICP2(v2778) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.18076	.22162	.47705	.17143	.34017	.03514	3.6816	.08980
Stddev	.00087	.00041	.00046	.00042	.00090	.00035	.0123	.00025
%RSD	.47874	.18363	.09663	.24295	.26578	.99287	.33483	.27721

#1	.17977	.22115	.47653	.17121	.33963	.03488	3.6737	.08953
#2	.18121	.22191	.47739	.17117	.33967	.03500	3.6752	.08984
#3	.18131	.22178	.47724	.17191	.34122	.03553	3.6958	.09002

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.1249	.53364	.09437	1.1583	.42965	8.3343	1.5128	.08655
Stddev	.0053	.00189	.00063	.0022	.00034	1.1498	.0029	.00104
%RSD	.17095	.35420	.66556	.18910	.07868	13.796	.19394	1.2058

#1	3.1190	.53181	.09370	1.1560	.42935	8.1783	1.5108	.08729
#2	3.1296	.53558	.09446	1.1602	.42957	7.2704	1.5113	.08700
#3	3.1260	.53351	.09495	1.1588	.43001	9.5541	1.5161	.08535

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.71482	.16988	3.8261	.27372	904.62	1.4352	2.0724	.12660
Stddev	.00119	.00067	.0081	.00087	109.26	.0024	.0025	.00033
%RSD	.16656	.39538	.21194	.31622	12.078	.17097	.11969	.26435

#1	.71348	.16933	3.8302	.27278	876.61	1.4378	2.0698	.12677
#2	.71525	.16969	3.8168	.27390	812.09	1.4330	2.0728	.12681
#3	.71574	.17063	3.8315	.27448	1025.2	1.4347	2.0747	.12621

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00724	1.2491	.47277	.39005	3.5444	.2068	27.232	5164.7
Stddev	.00009	.0052	.00093	.00188	.0078	.0007	.054	41.0
%RSD	1.2388	.41295	.19744	.48282	.22068	.3326	.19911	.79448

#1	.00715	1.2508	.47185	.39187	3.5393	.2061	27.199	5189.8
#2	.00732	1.2531	.47276	.39016	3.5406	.2067	27.202	5186.8
#3	.00726	1.2433	.47371	.38811	3.5534	.2075	27.294	5117.3

Sample Name: S3 Acquired: 1/24/2019 12:01:29 Type: Cal
 Method: P4-ICP2(v2778) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	194.77
Stddev	4.39
%RSD	2.2547

#1	198.16
#2	189.80
#3	196.34

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3303.1	46111.	4002.5	8.5058	3839.9
Stddev	3.7	39.	15.3	.9920	1.5
%RSD	.11068	.08563	.38324	11.662	.03878

#1	3298.9	46137.	3995.9	8.6770	3838.6
#2	3305.1	46130.	3991.6	9.4010	3839.6
#3	3305.2	46065.	4020.1	7.4394	3841.5

Sample Name: S4 Acquired: 1/24/2019 12:05:31 Type: Cal
Method: P4-ICP2(v2778) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.36079	.44193	.95302	.33938	.67636	.07121	7.2234	.17761
Stddev	.00063	.00374	.00547	.00121	.00262	.00058	.0457	.00101
%RSD	.17538	.84692	.57391	.35623	.38736	.81010	.63249	.57042

#1	.36062	.44296	.95488	.34036	.67847	.07096	7.2448	.17660
#2	.36026	.43778	.94687	.33803	.67343	.07080	7.2546	.17763
#3	.36149	.44505	.95733	.33976	.67718	.07187	7.1710	.17862

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.3174	1.0642	.18851	2.3332	.83928	15.485	2.9708	.17078
Stddev	.0430	.0058	.00053	.0178	.00228	2.666	.0050	.00017
%RSD	.68113	.54869	.28088	.76475	.27119	17.214	.16874	.10192

#1	6.3366	1.0709	.18789	2.3448	.84150	13.872	2.9653	.17079
#2	6.2681	1.0618	.18881	2.3127	.83696	18.562	2.9752	.17061
#3	6.3475	1.0600	.18881	2.3422	.83938	14.021	2.9717	.17095

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.4347	.33986	7.5585	.54052	1695.6	2.8493	4.0690	.25315
Stddev	.0084	.00130	.0433	.00048	295.2	.0165	.0097	.00063
%RSD	.58464	.38145	.57274	.08876	17.412	.58074	.23782	.24983

#1	1.4409	.33841	7.5762	.53999	1506.9	2.8616	4.0788	.25269
#2	1.4251	.34024	7.5901	.54064	2035.8	2.8560	4.0595	.25387
#3	1.4380	.34092	7.5092	.54092	1544.0	2.8305	4.0687	.25289

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01468	2.4649	.95102	.76740	7.0639	.4313	54.389	4868.4
Stddev	.00014	.0156	.00558	.00300	.0462	.0014	.412	34.1
%RSD	.98588	.63168	.58645	.39063	.65411	.3255	.75834	.70107

#1	.01480	2.4689	.95332	.76849	7.0842	.4312	54.617	4877.8
#2	.01452	2.4782	.94466	.76970	7.0965	.4299	54.637	4896.8
#3	.01473	2.4478	.95507	.76401	7.0111	.4327	53.913	4830.5

Sample Name: S4 Acquired: 1/24/2019 12:05:31 Type: Cal
Method: P4-ICP2(v2778) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	233.83
Stddev	8.04
%RSD	3.4385

#1	225.00
#2	235.76
#3	240.73

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3263.9	45189.	3980.1	8.9173	3678.8
Stddev	11.8	138.	30.9	1.4137	23.7
%RSD	.36195	.30461	.77763	15.854	.64331

#1	3251.3	45303.	3958.2	9.8300	3660.7
#2	3274.8	45227.	3966.5	7.2889	3705.6
#3	3265.7	45036.	4015.5	9.6332	3670.1

Sample Name: S5 Acquired: 1/24/2019 12:09:33 Type: Cal
Method: P4-ICP2(v2778) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.72601	.89563	1.9522	.68292	1.3576	.14449	14.496	.35492
Stddev	.00208	.00058	.0037	.00171	.0043	.00090	.064	.00018
%RSD	.28675	.06513	.19006	.24971	.31580	.62475	.44438	.05128

#1	.72832	.89619	1.9564	.68483	1.3624	.14345	14.551	.35487
#2	.72543	.89568	1.9493	.68240	1.3560	.14496	14.425	.35512
#3	.72428	.89502	1.9509	.68154	1.3543	.14507	14.510	.35477

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	13.062	2.1131	.37538	4.8186	1.6520	31.702	5.8572	.33988
Stddev	.014	.0049	.00041	.0055	.0051	1.101	.0133	.00183
%RSD	.10452	.23223	.10935	.11307	.30609	3.4731	.22694	.53988

#1	13.072	2.1091	.37491	4.8206	1.6578	32.940	5.8660	.34131
#2	13.046	2.1117	.37566	4.8124	1.6484	31.332	5.8637	.33781
#3	13.067	2.1186	.37557	4.8228	1.6500	30.833	5.8419	.34051

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.9512	.68655	15.208	1.0760	3418.0	5.7540	8.0691	.50596
Stddev	.0025	.00486	.076	.0024	143.6	.0364	.0155	.00133
%RSD	.08600	.70860	.50121	.22729	4.2011	.63171	.19164	.26301

#1	2.9515	.68261	15.263	1.0771	3583.5	5.7895	8.0870	.50463
#2	2.9485	.68504	15.121	1.0776	3326.0	5.7168	8.0611	.50596
#3	2.9535	.69199	15.239	1.0731	3344.6	5.7556	8.0593	.50730

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.03117	4.8507	1.9591	1.5214	14.207	.9157	107.28	4577.7
Stddev	.00017	.0367	.0019	.0033	.079	.0005	.53	55.8
%RSD	.54482	.75586	.09861	.21567	.55887	.0507	.49244	1.2181

#1	.03131	4.8499	1.9609	1.5220	14.259	.9162	106.68	4625.7
#2	.03120	4.8144	1.9571	1.5179	14.116	.9153	107.66	4591.0
#3	.03098	4.8877	1.9594	1.5244	14.246	.9155	107.52	4516.6

Sample Name: S5 Acquired: 1/24/2019 12:09:33 Type: Cal
Method: P4-ICP2(v2778) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	283.28
Stddev	4.83
%RSD	1.7044

#1	288.75
#2	279.60
#3	281.50

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3170.8	43973.	3938.8	8.4050	3413.9
Stddev	3.5	59.	20.5	.3374	1.1
%RSD	.11088	.13471	.51987	4.0148	.03182

#1	3167.7	44037.	3918.8	8.0158	3413.9
#2	3170.1	43921.	3959.7	8.6162	3412.9
#3	3174.7	43959.	3938.0	8.5828	3415.0

Sample Name: ICV01 Acquired: 1/24/2019 12:13:41 Type: Unk
Method: P4-ICP2(v2778) 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	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97882	.97833	F .95159	F .97507	.97207	2.4721	.50884	.47307
Stddev	.00149	.00653	.00637	.00385	.00344	.0123	.00248	.00045
%RSD	.15236	.66725	.66914	.39475	.35392	.49879	.48655	.09563
#1	.97712	.97711	.94768	.97080	.96810	2.4863	.50744	.47305
#2	.97986	.98538	.95894	.97828	.97392	2.4646	.51169	.47263
#3	.97950	.97250	.94816	.97612	.97419	2.4653	.50737	.47354
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .46160	10.135	.49802	.47477	.50698	5.2599	.50583	5.9297
Stddev	.00182	.058	.00073	.00272	.00029	.3474	.00056	.0634
%RSD	.39365	.56792	.14692	.57375	.05703	6.6044	.11077	1.0686
#1	.46115	10.097	.49748	.47355	.50730	5.2754	.50621	5.8667
#2	.46360	10.106	.49773	.47789	.50687	4.9050	.50608	5.9288
#3	.46006	10.201	.49885	.47287	.50675	5.5993	.50518	5.9934
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .47716	.48928	9.7519	.49169	F .92266	9.9400	2.5103	2.5214
Stddev	.00173	.00217	.0821	.00119	.05292	.0428	.0015	.0223
%RSD	.36213	.44345	.84173	.24165	5.7353	.43101	.06070	.88529
#1	.47546	.49126	9.6580	.49093	.92723	9.9316	2.5104	2.5343
#2	.47892	.48696	9.8100	.49306	.86760	9.9020	2.5117	2.4956
#3	.47711	.48961	9.7877	.49107	.97314	9.9864	2.5087	2.5343
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2.1274	2.4789	2.4016	2.5315	F 2.3209	F 2.124	F 2.2220	F 2.9659
Stddev	.0360	.0206	.0135	.0144	.0186	.008	.0212	.0494
%RSD	1.6932	.83164	.56133	.56871	.80214	.3822	.95300	1.6657
#1	2.0999	2.4553	2.3896	2.5203	2.3003	2.119	2.1977	3.0033
#2	2.1681	2.4886	2.4162	2.5265	2.3258	2.133	2.2320	2.9099
#3	2.1141	2.4930	2.3990	2.5478	2.3365	2.120	2.2364	2.9846

Sample Name: ICV01 Acquired: 1/24/2019 12:13:41 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	F 4.2896
Stddev	.3051
%RSD	7.1120

#1	3.9374
#2	4.4578
#3	4.4736

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3288.3	45656.	3956.9	9.3708	3904.7
Stddev	2.2	66.	26.2	.5374	13.6
%RSD	.06803	.14388	.66312	5.7348	.34924

#1	3288.9	45582.	3986.9	9.2928	3906.7
#2	3285.9	45708.	3938.2	9.9429	3890.2
#3	3290.2	45678.	3945.5	8.8766	3917.3

Sample Name: LLICV01 Acquired: 1/24/2019 12:40:56 Type: Unk
Method: P4-ICP2(v2778) 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	.01975	.03897	.01211	.01873	.05003	.09493	.10133
Stddev	.00300	.00048	.00112	.00215	.00043	.00317	.00327
%RSD	15.204	1.2384	9.2205	11.504	.86218	3.3391	3.2321

#1	.01808	.03903	.01150	.01704	.04990	.09143	.10122
#2	.01795	.03846	.01142	.02116	.05051	.09760	.09811
#3	.02322	.03942	.01340	.01800	.04968	.09577	.10466

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00550	.00494	1.8905	.00958	.02792	.01875	.08024
Stddev	.00006	.00004	.0254	.00002	.00036	.00032	.06295
%RSD	1.1396	.90708	1.3416	.24935	1.2983	1.7223	78.450

#1	.00543	.00497	1.8906	.00955	.02775	.01839	.02034
#2	.00554	.00489	1.9157	.00958	.02768	.01901	.14584
#3	.00552	.00496	1.8650	.00960	.02834	.01885	.07454

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01981	1.8947	.03628	.01000	1.7779	.03877	.03834
Stddev	.00018	.0677	.00027	.00024	.0095	.00044	.00261
%RSD	.93351	3.5719	.73492	2.4027	.53243	1.1359	6.8019

#1	.01966	1.8236	.03597	.00986	1.7677	.03832	.03947
#2	.01974	1.9584	.03648	.01028	1.7794	.03877	.04020
#3	.02001	1.9020	.03639	.00987	1.7865	.03920	.03536

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7934	.18465	.09594	F .01014	.37680	.03671	.04362
Stddev	.0216	.00050	.00475	.01097	.00337	.00087	.00102
%RSD	1.2026	.26928	4.9486	108.14	.89509	2.3651	2.3346

#1	1.7730	.18496	.09261	-.00251	.37324	.03741	.04372
#2	1.8160	.18492	.09383	.01607	.37723	.03573	.04458
#3	1.7913	.18408	.10138	.01687	.37994	.03698	.04255

Sample Name: LLICV01 Acquired: 1/24/2019 12:40:56 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: LLICV01 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01691	F .0159	.01887	F 2.9036	F<.00000
Stddev	.00238	.0014	.00001	.1773	.34134
%RSD	14.071	8.790	.05139	6.1052	100.28

#1	.01520	.0175	.01887	2.7755	-.49543
#2	.01590	.0149	.01888	3.1060	.05094
#3	.01963	.0154	.01887	2.8294	-.57672

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3317.8	46335.	3969.8	9.1008	4139.6
Stddev	10.8	224.	13.9	.6401	14.6
%RSD	.32650	.48307	.35027	7.0335	.35358

#1	3317.6	46424.	3984.0	8.8295	4155.6
#2	3307.1	46080.	3956.2	8.6409	4136.5
#3	3328.8	46500.	3969.1	9.8318	4126.8

Sample Name: ICB01 Acquired: 1/24/2019 12:49:33 Type: Unk
Method: P4-ICP2(v2778) 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	.00266	-.00032	.00072	-.00145	.00081	.00163	.00463
Stddev	.00358	.00037	.00030	.00063	.00142	.01072	.00147
%RSD	134.69	115.86	41.046	43.346	174.72	659.07	31.679

#1	.00108	-.00003	.00089	-.00215	.00176	.00755	.00307
#2	.00676	-.00073	.00090	-.00094	.00149	-.01075	.00598
#3	.00014	-.00020	.00038	-.00126	-.00082	.00807	.00484

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00000	.01144	.00018	-.00010	.00039	-.02289
Stddev	.00004	.00003	.01652	.00040	.00010	.00019	.00199
%RSD	61.955	694.78	144.37	225.73	105.08	48.320	8.6892

#1	.00003	.00003	.01293	-.00023	-.00019	.00037	-.02423
#2	.00011	-.00003	-.00577	.00058	-.00012	.00059	-.02061
#3	.00005	.00002	.02716	.00019	.00001	.00022	-.02384

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.01503	-.00002	.00025	-.07223	.00028	-.00015
Stddev	.00003	.06035	.00005	.00017	.00016	.00045	.00017
%RSD	470.79	401.49	243.91	70.618	.22635	156.74	110.93

#1	.00003	.02767	.00002	.00039	-.07235	-.00023	-.00035
#2	-.00003	.01132	-.00001	.00029	-.07204	.00049	-.00006
#3	.00002	-.08408	-.00007	.00005	-.07230	.00059	-.00005

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00547	.00001	-.00050	F -.02665	.00087	-.00003	.00751
Stddev	.01267	.00005	.00846	.01729	.00060	.00005	.00162
%RSD	231.79	545.71	1679.3	64.885	68.982	147.20	21.524

#1	-.00522	-.00001	-.00275	-.02170	.00099	.00000	.00716
#2	.00216	.00007	.00886	-.04587	.00022	-.00001	.00927
#3	.01946	-.00003	-.00762	-.01237	.00140	-.00008	.00610

Sample Name: ICB01 Acquired: 1/24/2019 12:49:33 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00192	-.0000	.00006	F 2.8588	F<.00000
Stddev	.00067	.0016	.00002	.0350	.13208
%RSD	34.883	5786.	34.484	1.2260	26.113
#1	-.00134	-.0018	.00004	2.8723	-.50625
#2	-.00177	.0012	.00008	2.8191	-.63766
#3	-.00266	.0005	.00006	2.8852	-.37350
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3290.5	46178.	3972.3	9.1212	4170.5
Stddev	17.3	132.	14.5	.9295	14.9
%RSD	.52529	.28674	.36558	10.190	.35698
#1	3293.4	46033.	3957.5	10.189	4174.6
#2	3271.9	46209.	3973.1	8.4909	4154.0
#3	3306.1	46292.	3986.5	8.6841	4183.0

Sample Name: CRI01 Acquired: 1/24/2019 12:54:01 Type: Unk
 Method: P4-ICP2(v2778) 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	.02086	.04087	.01192	.01941	.04954	.09418	.09611
Stddev	.00241	.00141	.00063	.00265	.00084	.00894	.00011
%RSD	11.574	3.4493	5.3195	13.658	1.6967	9.4972	.11243

#1	.02352	.03940	.01119	.02246	.05046	.08518	.09615
#2	.02026	.04100	.01225	.01770	.04882	.09430	.09599
#3	.01880	.04221	.01233	.01806	.04935	.10307	.09620

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00554	.00504	1.9214	.00924	.02809	.01932	.08064
Stddev	.00010	.00007	.0360	.00030	.00007	.00032	.03705
%RSD	1.7508	1.4460	1.8742	3.2324	.23668	1.6433	45.943

#1	.00560	.00496	1.8913	.00953	.02815	.01953	.08525
#2	.00559	.00506	1.9114	.00893	.02810	.01948	.04150
#3	.00543	.00511	1.9613	.00926	.02801	.01896	.11517

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02017	1.9167	.03676	.00990	1.7924	.03928	.03977
Stddev	.00013	.0781	.00010	.00022	.0066	.00059	.00753
%RSD	.64681	4.0746	.27904	2.2417	.37002	1.5018	18.924

#1	.02014	1.9683	.03672	.01003	1.7929	.03872	.03883
#2	.02031	1.8268	.03688	.01001	1.7988	.03990	.04772
#3	.02006	1.9548	.03669	.00964	1.7856	.03922	.03276

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8149	.18697	.09367	F .01133	.37456	.03692	.04450
Stddev	.0060	.00052	.00183	.01688	.00504	.00057	.00152
%RSD	.32804	.27562	1.9555	148.96	1.3468	1.5375	3.4134

#1	1.8143	.18674	.09411	.01170	.37596	.03682	.04382
#2	1.8092	.18661	.09166	.02802	.37876	.03640	.04344
#3	1.8211	.18756	.09525	-.00573	.36896	.03752	.04624

Sample Name: CRI01 Acquired: 1/24/2019 12:54:01 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CRI01 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01600	.0159	.01914	F 2.8137	F<.00000
Stddev	.00132	.0016	.00005	.1549	.32543
%RSD	8.2573	10.06	.26826	5.5062	80.555
#1	.01733	.0142	.01909	2.9278	-.09197
#2	.01469	.0161	.01919	2.8759	-.74135
#3	.01598	.0174	.01915	2.6373	-.37865
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3305.9	46366.	3975.7	9.0220	4129.4
Stddev	2.7	149.	15.9	1.6104	3.8
%RSD	.08191	.32102	.40056	17.850	.09227
#1	3306.1	46377.	3966.0	8.9955	4129.0
#2	3308.5	46211.	3967.0	7.4250	4133.4
#3	3303.1	46508.	3994.1	10.645	4125.8

Sample Name: ICSA01 Acquired: 1/24/2019 12:58:28 Type: Unk
Method: P4-ICP2(v2778) 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	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01107	-.00258	.00173	-.00045	.00099	272.97	.00282	.00080
Stddev	.00423	.00231	.00387	.00510	.00149	1.12	.00185	.00006
%RSD	38.226	89.629	223.49	1125.1	150.54	.41102	65.589	7.3167
#1	.00648	-.00321	.00170	-.00478	.00135	273.42	.00442	.00081
#2	.01482	-.00451	-.00212	.00517	.00227	273.80	.00079	.00073
#3	.01192	-.00002	.00562	-.00174	-.00065	271.69	.00326	.00085
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00236	248.57	.05510	-.00041	.00997	97.791	.01322	255.44
Stddev	.00163	1.47	.00082	.00022	.00332	15.611	.00003	1.06
%RSD	68.941	.59329	1.4809	53.006	33.271	15.963	.20137	.41549
#1	-.00117	250.02	.05527	-.00019	.01240	85.953	.01325	255.35
#2	-.00422	247.07	.05421	-.00041	.00619	115.48	.01321	254.43
#3	-.00170	248.63	.05581	-.00063	.01134	91.938	.01320	256.55
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00311	-.00214	-.01588	.00110	.00239	-.02325	.00017	-.00649
Stddev	.00033	.00174	.00887	.00052	.00056	.03811	.00026	.02035
%RSD	10.473	81.075	55.859	47.381	23.453	163.92	149.79	313.37
#1	-.00287	-.00338	-.01578	.00058	.00204	.02072	.00042	-.02720
#2	-.00297	-.00016	-.02480	.00111	.00304	-.04354	-.00010	.01347
#3	-.00348	-.00289	-.00706	.00162	.00210	-.04693	.00020	-.00575
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .18034	-.00339	.00817	-.00165	.01481	-.0002	-.00281	4.6233
Stddev	.11706	.00218	.00070	.00390	.00135	.0002	.01749	.1590
%RSD	64.910	64.519	8.5146	236.57	9.0815	103.9	621.27	3.4383
#1	.17557	-.00218	.00778	.00131	.01635	-.0004	.01066	4.6283
#2	.29971	-.00207	.00898	-.00018	.01386	-.0001	-.02258	4.7797
#3	.06574	-.00591	.00776	-.00607	.01422	-.0001	.00347	4.4619

Sample Name: ICSA01 Acquired: 1/24/2019 12:58:28 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSA01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	111.81
Stddev	.87
%RSD	.77835

#1	112.46
#2	110.82
#3	112.15

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2997.5	41401.	3862.4	8.4206	3250.6
Stddev	3.7	127.	25.1	1.2269	2.0
%RSD	.12330	.30640	.64873	14.570	.06064

#1	3001.0	41277.	3840.9	9.3974	3251.6
#2	2993.6	41394.	3889.9	7.0436	3248.4
#3	2997.8	41531.	3856.5	8.8208	3251.9

Sample Name: ICSAB01 Acquired: 1/24/2019 13:03:02 Type: Unk
Method: P4-ICP2(v2778) 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	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10939	.09399	.05564	.05372	.61500	273.58	.53875	.55573
Stddev	.00214	.00283	.00397	.00845	.00315	1.46	.00402	.00180
%RSD	1.9551	3.0120	7.1273	15.737	.51152	.53472	.74623	.32458

#1	.10730	.09726	.05256	.06279	.61778	271.94	.54261	.55469
#2	.10930	.09227	.05424	.05232	.61158	274.74	.53459	.55781
#3	.11157	.09245	.06011	.04605	.61563	274.05	.53907	.55469

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99882	248.16	.57165	.50720	.51505	97.007	.53481	257.55
Stddev	.00478	1.23	.00234	.00099	.00236	15.490	.00124	2.13
%RSD	.47838	.49550	.41019	.19550	.45816	15.968	.23122	.82861

#1	1.0009	248.16	.56896	.50676	.51400	112.57	.53346	256.88
#2	.99335	246.93	.57273	.50651	.51340	96.869	.53588	255.83
#3	1.0022	249.39	.57325	.50834	.51775	81.585	.53510	259.93

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0033	.21588	.00032	.51690	1.0083	-.03930	1.1091	1.1324
Stddev	.0007	.00123	.00369	.00087	.1675	.02149	.0020	.0123
%RSD	.07273	.56916	1146.6	.16838	16.612	54.670	.18260	1.0817

#1	1.0041	.21702	-.00219	.51591	1.1779	-.03305	1.1114	1.1461
#2	1.0027	.21603	-.00141	.51724	1.0040	-.06323	1.1086	1.1225
#3	1.0031	.21458	.00456	.51755	.84296	-.02164	1.1074	1.1285

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1764	1.0248	1.1315	1.1257	1.0490	.9705	.91204	4.7886
Stddev	.0234	.0127	.0042	.0040	.0057	.0021	.01863	.0244
%RSD	1.9906	1.2398	.37202	.35855	.54726	.2122	2.0431	.50846

#1	1.1845	1.0357	1.1356	1.1219	1.0520	.9705	.89600	4.8153
#2	1.1500	1.0108	1.1317	1.1254	1.0424	.9725	.90763	4.7675
#3	1.1946	1.0280	1.1272	1.1299	1.0526	.9684	.93248	4.7830

Sample Name: ICSAB01 Acquired: 1/24/2019 13:03:02 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSAB01 Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg 108.17
 Stddev .97
 %RSD .89722

#1 109.17
 #2 108.11
 #3 107.24

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2985.4	40733.	3793.5	8.3568	3213.2
Stddev	16.7	54.	27.5	1.3895	16.2
%RSD	.55961	.13300	.72528	16.627	.50284

#1	2969.8	40796.	3775.9	7.0280	3197.4
#2	3003.0	40704.	3825.2	8.2424	3229.7
#3	2983.3	40700.	3779.4	9.7999	3212.4

Sample Name: CCV01 Acquired: 1/24/2019 13:11:39 Type: Unk
Method: P4-ICP2(v2778) 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	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0089	4.9745	4.9279	4.9742	4.9954	10.154	10.143	.25377
Stddev	.0178	.0084	.0085	.0352	.0274	.020	.085	.00044
%RSD	.35552	.16870	.17239	.70668	.54853	.20136	.83358	.17410
#1	5.0180	4.9735	4.9320	4.9954	5.0166	10.176	10.046	.25331
#2	5.0203	4.9833	4.9335	4.9937	5.0051	10.152	10.185	.25419
#3	4.9884	4.9666	4.9181	4.9337	4.9644	10.135	10.199	.25381
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4671	25.704	1.0280	2.4667	1.2738	4.9383	2.5478	25.139
Stddev	.0041	.188	.0006	.0034	.0050	.7509	.0083	.061
%RSD	.16742	.73152	.06172	.13578	.38953	15.206	.32430	.24275
#1	2.4686	25.488	1.0275	2.4692	1.2754	5.7916	2.5387	25.087
#2	2.4703	25.834	1.0277	2.4681	1.2778	4.3786	2.5548	25.123
#3	2.4625	25.788	1.0287	2.4629	1.2682	4.6445	2.5500	25.206
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4766	1.2731	25.086	2.5267	2.4789	25.214	5.0520	5.0919
Stddev	.0051	.0044	.160	.0096	.3875	.207	.0150	.0308
%RSD	.20617	.34676	.63962	.37866	15.633	.82266	.29598	.60457
#1	2.4776	1.2683	24.901	2.5172	2.9181	24.975	5.0558	5.0568
#2	2.4810	1.2743	25.187	2.5364	2.1853	25.346	5.0648	5.1146
#3	2.4710	1.2769	25.170	2.5264	2.3332	25.321	5.0356	5.1041
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8929	5.0610	4.9622	5.0390	5.1291	4.914	5.1813	F 4.3826
Stddev	.0389	.0439	.0143	.0205	.0424	.018	.0473	.0220
%RSD	.79472	.86700	.28819	.40714	.82658	.3585	.91290	.50283
#1	4.9334	5.0173	4.9740	5.0225	5.0814	4.921	5.1273	4.4040
#2	4.8894	5.0607	4.9663	5.0324	5.1432	4.927	5.2006	4.3839
#3	4.8559	5.1050	4.9463	5.0620	5.1626	4.894	5.2158	4.3599

Sample Name: CCV01 Acquired: 1/24/2019 13:11:39 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCV01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 1.3659
Stddev	.1026
%RSD	7.5089

#1	1.2532
#2	1.4538
#3	1.3906

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3112.3	42820.	3762.3	8.4828	3521.0
Stddev	10.4	46.	20.5	1.2270	7.2
%RSD	.33560	.10630	.54422	14.464	.20484

#1	3107.8	42856.	3783.6	7.1094	3517.1
#2	3104.9	42769.	3760.5	9.4708	3516.5
#3	3124.3	42835.	3742.7	8.8681	3529.3

Sample Name: LLCCV01 Acquired: 1/24/2019 13:15:40 Type: Unk
Method: P4-ICP2(v2778) 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	.02030	.04060	.01302	.01821	.04847	.09368	.11091
Stddev	.00259	.00187	.00040	.00049	.00076	.00955	.00326
%RSD	12.741	4.6062	3.0902	2.6900	1.5681	10.199	2.9419

#1	.01733	.03934	.01291	.01811	.04852	.08440	.10714
#2	.02155	.03971	.01346	.01778	.04920	.10348	.11274
#3	.02203	.04275	.01268	.01875	.04768	.09315	.11284

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00568	.00503	1.8927	.00955	.02850	.01946	.10155
Stddev	.00005	.00007	.0098	.00021	.00004	.00010	.05259
%RSD	.93819	1.4264	.52068	2.1750	.14931	.52230	51.782

#1	.00567	.00507	1.8896	.00936	.02848	.01945	.10956
#2	.00563	.00495	1.8848	.00977	.02855	.01937	.14967
#3	.00573	.00507	1.9037	.00953	.02847	.01957	.04542

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02033	1.9631	.03674	.01010	1.8058	.03984	.03900
Stddev	.00006	.0221	.00037	.00023	.0124	.00048	.00464
%RSD	.30594	1.1268	1.0201	2.2673	.68688	1.2057	11.889

#1	.02036	1.9828	.03677	.00985	1.7990	.04015	.03511
#2	.02037	1.9672	.03635	.01014	1.8202	.03929	.04413
#3	.02026	1.9392	.03710	.01030	1.7984	.04009	.03776

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8137	.18634	.10367	F .04365	.38063	.03789	.04142
Stddev	.0177	.00016	.01682	.02651	.00301	.00073	.00084
%RSD	.97547	.08577	16.227	60.727	.79139	1.9379	2.0350

#1	1.8288	.18652	.10121	.06325	.37817	.03711	.04216
#2	1.8181	.18631	.12158	.01349	.37973	.03798	.04160
#3	1.7942	.18621	.08820	.05420	.38399	.03857	.04051

Sample Name: LLCCV01 Acquired: 1/24/2019 13:15:40 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLCCV01 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01804	.0162	.01887	F 3.4368	F<.00000
Stddev	.00106	.0013	.00015	.0653	.16215
%RSD	5.8871	7.973	.77553	1.9005	38.990

#1	.01850	.0177	.01871	3.3777	-.52427
#2	.01683	.0154	.01891	3.5070	-.49389
#3	.01880	.0156	.01899	3.4258	-.22946

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3218.5	44156.	3743.9	8.7947	3976.6
Stddev	7.4	15.	13.2	.9379	9.6
%RSD	.22950	.03308	.35230	10.664	.24025

#1	3211.4	44147.	3758.9	9.6205	3987.4
#2	3217.9	44173.	3738.6	7.7750	3969.4
#3	3226.2	44148.	3734.1	8.9886	3973.0

Sample Name: CCB01 Acquired: 1/24/2019 13:20:09 Type: Unk
Method: P4-ICP2(v2778) 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	.00291	.00081	.00204	-.00006	.00092	-.01389	.01799
Stddev	.00017	.00171	.00091	.00259	.00117	.00223	.00538
%RSD	5.8652	211.20	44.638	4097.7	126.64	16.067	29.896

#1	.00277	.00192	.00121	-.00306	-.00003	-.01558	.02397
#2	.00286	.00166	.00302	.00149	.00223	-.01473	.01648
#3	.00310	-.00116	.00191	.00138	.00057	-.01136	.01353

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-.00003	-.00277	.00020	-.00009	.00019	-.03501
Stddev	.00010	.00005	.01108	.00018	.00007	.00023	.02353
%RSD	72.786	199.14	400.19	92.950	83.497	117.17	67.202

#1	.00014	.00003	-.01105	.00040	-.00000	.00039	-.00910
#2	.00004	-.00004	.00982	.00006	-.00013	-.00006	-.05504
#3	.00024	-.00008	-.00707	.00013	-.00013	.00025	-.04088

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.04100	-.00046	.00011	-.07606	-.00002	-.00025
Stddev	.00005	.03092	.00055	.00024	.01401	.00019	.00009
%RSD	387.84	75.418	118.92	214.43	18.416	1055.6	38.054

#1	.00007	.07649	-.00106	.00039	-.05989	.00014	-.00015
#2	-.00002	.02661	.00000	-.00000	-.08454	.00004	-.00026
#3	-.00001	.01990	-.00032	-.00005	-.08376	-.00024	-.00034

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.05714	-.00002	.00967	.00136	.00176	.00032	.00532
Stddev	.00792	.00020	.00532	.02126	.00069	.00025	.00186
%RSD	13.860	1070.3	55.055	1559.9	39.528	77.647	35.014

#1	-.06018	.00001	.00546	-.02278	.00123	.00004	.00361
#2	-.06310	-.00023	.00789	.00958	.00255	.00053	.00731
#3	-.04815	.00016	.01565	.01729	.00149	.00040	.00504

Sample Name: CCB01 Acquired: 1/24/2019 13:20:09 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCB01 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00100	-.0010	.00004	F 3.6480	F<.00000
Stddev	.00102	.0007	.00006	.0534	.17192
%RSD	101.82	75.79	161.36	1.4649	174.19

#1	.00004	-.0002	.00010	3.6055	-.19725
#2	.00207	-.0011	-.00001	3.6305	.09982
#3	.00090	-.0017	.00001	3.7080	-.19866

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3205.2	43834.	3650.2	9.2477	4018.5
Stddev	6.9	57.	7.2	.5078	5.6
%RSD	.21408	.13077	.19646	5.4911	.14057

#1	3198.7	43900.	3643.1	8.6818	4023.8
#2	3204.4	43793.	3650.1	9.6636	4012.5
#3	3212.4	43810.	3657.4	9.3977	4019.1

Sample Name: K1212-01 Acquired: 1/24/2019 13:24:06 Type: Unk
Method: P4-ICP2(v2778) 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	.00500	-.00596	.00883	.00899	.00002	.17087	.26574	-.00020
Stddev	.00164	.00107	.00100	.00135	.00078	.01117	.00551	.00010
%RSD	32.767	18.002	11.320	14.973	4867.7	6.5355	2.0730	50.752
#1	.00674	-.00685	.00805	.01038	.00070	.18268	.27032	-.00011
#2	.00350	-.00625	.00847	.00770	-.00083	.16944	.25963	-.00032
#3	.00475	-.00477	.00996	.00889	.00017	.16048	.26728	-.00018
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	90.846	-.00310	.00183	.00169	2.5211	5.2042	25.162
Stddev	.00004	.464	.00035	.00009	.00019	.0595	.0086	.162
%RSD	17.918	.51078	11.222	4.6676	11.316	2.3605	.16430	.64444
#1	-.00024	90.394	-.00337	.00184	.00160	2.5242	5.1948	25.117
#2	-.00028	91.321	-.00271	.00174	.00190	2.4600	5.2063	25.027
#3	-.00020	90.822	-.00323	.00191	.00155	2.5789	5.2115	25.342
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	.00073	142.67	.00107	.97469	17.991	.00402	.09620
Stddev	.00036	.00016	.31	.00020	.02151	.063	.00037	.00716
%RSD	3003600.	22.440	.21889	18.858	2.2065	.35184	9.1035	7.4411
#1	.00015	.00070	143.01	.00084	.96647	17.943	.00432	.10276
#2	-.00041	.00058	142.39	.00122	.95851	18.063	.00361	.08857
#3	.00026	.00091	142.62	.00115	.99910	17.967	.00412	.09726
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 13.129	F 15.873	-.00253	.01026	.01094	.2210	.41769	5.1732
Stddev	.125	.057	.00056	.00066	.00053	.0005	.00084	.2195
%RSD	.95280	.36002	22.065	6.4515	4.8202	.2442	.20143	4.2438
#1	13.271	15.867	-.00214	.01092	.01137	.2217	.41737	5.3798
#2	13.081	15.933	-.00317	.00960	.01111	.2208	.41865	5.1971
#3	13.035	15.819	-.00228	.01026	.01035	.2207	.41706	4.9427

Sample Name: K1212-01 Acquired: 1/24/2019 13:24:06 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	.91403
Stddev	.18361
%RSD	20.088

#1	1.1030
#2	.90269
#3	.73635

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2973.4	40587.	3596.0	8.5329	3471.6
Stddev	20.4	211.	20.2	.1647	20.2
%RSD	.68603	.52034	.56172	1.9307	.58056

#1	2960.0	40356.	3576.3	8.5556	3451.4
#2	2963.4	40636.	3595.2	8.6852	3471.8
#3	2996.9	40770.	3616.7	8.3580	3491.7

Sample Name: K1213-01 Acquired: 1/24/2019 13:28:30 Type: Unk
Method: P4-ICP2(v2778) 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	.00349	-.00199	.00945	.00546	-.00040	.75062	.07256
Stddev	.00332	.00121	.00108	.00219	.00148	.02207	.00470
%RSD	95.140	60.780	11.415	40.150	374.81	2.9400	6.4764

#1	.00606	-.00282	.01064	.00512	-.00170	.77252	.07009
#2	.00468	-.00254	.00918	.00781	-.00071	.75094	.07798
#3	-.00026	-.00060	.00853	.00347	.00122	.72839	.06961

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	-.00022	131.74	.00984	.00004	.03411	.91572
Stddev	.00002	.00002	1.29	.00043	.00013	.00016	.04207
%RSD	74.625	10.107	.97856	4.3438	295.63	.46476	4.5945

#1	.00001	-.00020	131.24	.01017	-.00008	.03411	.95767
#2	.00002	-.00021	130.79	.00999	.00017	.03395	.91595
#3	.00005	-.00024	133.21	.00936	.00003	.03427	.87353

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05093	13.310	.00174	.00015	226.90	.00576	.76515
Stddev	.00018	.110	.00016	.00040	2.10	.00011	.05055
%RSD	.36143	.82280	9.1316	260.34	.92347	1.9367	6.6068

#1	.05073	13.205	.00184	.00050	226.38	.00573	.77319
#2	.05110	13.301	.00183	-.00028	225.12	.00589	.71106
#3	.05097	13.424	.00156	.00023	229.21	.00567	.81120

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.5256	.00332	.07330	F 11.627	F 10.641	-.00088	.03563
Stddev	.0617	.00032	.00598	.024	.151	.00036	.00225
%RSD	.64734	9.7486	8.1518	.21060	1.4214	40.372	6.3039

#1	9.4841	.00321	.06942	11.617	10.620	-.00066	.03806
#2	9.4963	.00306	.08018	11.608	10.502	-.00069	.03521
#3	9.5965	.00368	.07030	11.655	10.802	-.00129	.03362

Sample Name: K1213-01 Acquired: 1/24/2019 13:28:30 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01511	.0921	.68858	5.1560	F<.00000
Stddev	.00063	.0005	.00554	.0704	.08753
%RSD	4.1867	.5419	.80512	1.3662	6.0324
#1	.01489	.0916	.68700	5.0826	-1.4305
#2	.01583	.0926	.68400	5.2231	-1.3756
#3	.01463	.0921	.69474	5.1623	-1.5470
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2930.8	40181.	3641.4	8.6422	3384.6
Stddev	14.5	85.	35.2	.5633	11.2
%RSD	.49343	.21087	.96790	6.5182	.33202
#1	2914.1	40143.	3634.1	8.4949	3371.6
#2	2940.1	40122.	3679.8	9.2645	3390.1
#3	2938.2	40278.	3610.4	8.1672	3392.0

Sample Name: K1213-01DUP Acquired: 1/24/2019 13:32:56 Type: Unk
Method: P4-ICP2(v2778) 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	.00370	-.00238	.00896	.00517	-.00204	.76672	.07188	-.00002
Stddev	.00117	.00100	.00052	.00330	.00160	.01489	.00310	.00001
%RSD	31.622	41.986	5.8558	63.820	78.315	1.9420	4.3161	89.119
#1	.00235	-.00193	.00901	.00309	-.00191	.75118	.07254	-.00000
#2	.00435	-.00168	.00946	.00344	-.00051	.76811	.07461	-.00003
#3	.00440	-.00352	.00841	.00897	-.00370	.78086	.06851	-.00002
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00030	131.73	.00978	.00014	.03435	.96362	.05099	13.314
Stddev	.00012	.48	.00030	.00004	.00049	.05631	.00033	.050
%RSD	39.796	.36815	3.0381	30.593	1.4261	5.8434	.64051	.37656
#1	-.00041	132.24	.01012	.00016	.03379	1.0238	.05136	13.369
#2	-.00018	131.67	.00955	.00009	.03465	.95479	.05083	13.271
#3	-.00031	131.27	.00967	.00016	.03462	.91225	.05078	13.302
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00218	.00028	224.27	.00602	.79131	9.5679	.00297	.07321
Stddev	.00031	.00040	3.25	.00055	.04115	.0649	.00018	.01014
%RSD	14.328	143.56	1.4509	9.1509	5.2007	.67794	5.9531	13.845
#1	.00195	.00062	227.89	.00655	.83523	9.4931	.00317	.08325
#2	.00205	-.00016	221.59	.00606	.75363	9.6072	.00289	.06298
#3	.00253	.00037	223.33	.00545	.78507	9.6035	.00284	.07341
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 11.559	F 10.600	-.00005	.03297	.01650	.0907	.68801	5.1346
Stddev	.055	.130	.00011	.00203	.00205	.0018	.00458	.2328
%RSD	.47673	1.2255	230.54	6.1610	12.407	1.971	.66560	4.5340
#1	11.622	10.748	-.00006	.03300	.01672	.0909	.69050	4.9165
#2	11.531	10.547	-.00016	.03498	.01435	.0888	.69080	5.1076
#3	11.523	10.505	.00007	.03092	.01842	.0923	.68272	5.3798

Sample Name: K1213-01DUP Acquired: 1/24/2019 13:32:56 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg <.00000
Stddev .30236
%RSD 31.093

#1 -1.0430
#2 -1.2333
#3 -.64103

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2947.8	40417.	3676.4	8.3850	3409.6
Stddev	15.8	36.	55.1	.4588	19.2
%RSD	.53719	.08904	1.4994	5.4717	.56198

#1	2930.7	40454.	3616.3	7.8868	3392.1
#2	2950.8	40383.	3688.3	8.7902	3406.5
#3	2961.9	40414.	3724.6	8.4780	3430.1

Sample Name: K1213-01LX5 Acquired: 1/24/2019 13:37:26 Type: Unk
Method: P4-ICP2(v2778) 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	.00227	-.00094	.00481	.00441	-.00039	.14071	.04615	.00014
Stddev	.00289	.00120	.00046	.00205	.00125	.01168	.00253	.00006
%RSD	127.56	126.52	9.5729	46.362	321.09	8.3042	5.4794	42.031

#1	.00525	-.00211	.00532	.00615	.00099	.15371	.04905	.00007
#2	.00208	-.00099	.00468	.00216	-.00145	.13733	.04497	.00015
#3	-.00053	.00027	.00442	.00492	-.00071	.13109	.04442	.00019

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	28.640	.00188	.00002	.00745	.19734	.01099	2.9100
Stddev	.00004	.241	.00046	.00030	.00048	.01128	.00016	.0966
%RSD	24.113	.84211	24.713	1363.6	6.4302	5.7168	1.4768	3.3187

#1	-.00013	28.393	.00194	-.00031	.00794	.19258	.01081	2.8666
#2	-.00017	28.875	.00139	.00027	.00741	.21022	.01112	2.8428
#3	-.00021	28.652	.00231	.00010	.00699	.18921	.01104	3.0207

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00085	.00017	46.980	.00093	.16767	1.9065	.00036	.02090
Stddev	.00034	.00019	.151	.00012	.00246	.0214	.00012	.00678
%RSD	40.163	116.44	.32092	13.401	1.4658	1.1200	32.873	32.438

#1	-.00094	.00019	47.096	.00084	.16531	1.9285	.00037	.01308
#2	-.00115	-.00004	47.035	.00107	.16749	1.9051	.00047	.02513
#3	-.00048	.00035	46.810	.00087	.17021	1.8859	.00024	.02449

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.2874	2.5221	.00089	.01059	.00590	.0177	.14433	4.9954
Stddev	.0481	.0120	.00066	.00354	.00076	.0010	.00068	.1092
%RSD	2.1019	.47611	74.066	33.437	12.885	5.556	.46966	2.1862

#1	2.3389	2.5101	.00019	.01380	.00616	.0174	.14372	4.9516
#2	2.2437	2.5342	.00150	.00679	.00504	.0188	.14506	4.9149
#3	2.2797	2.5221	.00097	.01117	.00650	.0169	.14420	5.1197

Sample Name: K1213-01LX5 Acquired: 1/24/2019 13:37:26 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg <.00000
Stddev .47001
%RSD 167.65

#1 -.79552
#2 .12507
#3 -.17058

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3061.7	40934.	3387.7	8.5776	3677.5
Stddev	5.6	98.	6.5	.0878	13.1
%RSD	.18451	.23840	.19300	1.0235	.35564

#1	3060.0	40916.	3380.8	8.6709	3668.0
#2	3057.2	41040.	3388.4	8.5652	3672.1
#3	3068.1	40847.	3393.8	8.4966	3692.4

Sample Name: K1212-02 Acquired: 1/24/2019 13:58:44 Type: Unk
Method: P4-ICP2(v2778) 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	.00151	-.00045	.00242	-.00001	-.00051	.01525	.06025	.00009
Stddev	.00063	.00169	.00009	.00063	.00089	.01244	.00334	.00005
%RSD	41.879	372.59	3.7349	6577.6	176.36	81.540	5.5449	49.663

#1	.00133	-.00240	.00237	-.00015	-.00008	.02653	.05651	.00014
#2	.00098	.00048	.00252	-.00056	-.00154	.01730	.06293	.00005
#3	.00221	.00056	.00236	.00068	.00009	.00192	.06133	.00009

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	8.8277	-.00073	.00009	.00026	.22575	.51529	2.5752
Stddev	.00004	.0404	.00026	.00005	.00022	.04158	.00173	.0382
%RSD	36.601	.45769	34.920	57.496	86.674	18.420	.33563	1.4818

#1	-.00007	8.8118	-.00045	.00013	.00050	.22531	.51728	2.5334
#2	-.00015	8.8736	-.00081	.00003	.00021	.18439	.51416	2.5842
#3	-.00011	8.7976	-.00094	.00012	.00006	.26755	.51444	2.6081

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00074	.00022	13.197	.00010	.11652	1.6143	.00019	.01437
Stddev	.00018	.00030	.067	.00033	.00998	.0260	.00011	.01174
%RSD	24.415	137.71	.50761	346.26	8.5686	1.6100	59.329	81.681

#1	-.00055	.00057	13.257	-.00027	.11293	1.6332	.00006	.00085
#2	-.00077	.00004	13.207	.00039	.10882	1.5846	.00028	.02190
#3	-.00091	.00005	13.125	.00017	.12780	1.6250	.00022	.02035

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1598	1.7440	.00028	.00418	.00266	.0175	.03925	4.2052
Stddev	.0615	.0234	.00078	.00134	.00174	.0014	.00027	.2377
%RSD	5.3053	1.3433	281.57	32.076	65.665	7.874	.69713	5.6536

#1	1.1113	1.7238	-.00062	.00353	.00072	.0163	.03923	4.2685
#2	1.2290	1.7384	.00068	.00572	.00316	.0190	.03953	4.4049
#3	1.1392	1.7697	.00076	.00329	.00409	.0174	.03899	3.9422

Sample Name: K1212-02 Acquired: 1/24/2019 13:58:44 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg .37797
 Stddev .68554
 %RSD 181.37

#1 1.1688
 #2 .01226
 #3 -.04717

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3321.3	42908.	3404.3	7.6657	4074.4
Stddev	17.9	497.	13.3	.6560	34.1
%RSD	.53866	1.1594	.39099	8.5574	.83747

#1	3316.9	42449.	3419.6	7.8514	4079.6
#2	3341.0	42839.	3396.1	8.2088	4105.6
#3	3306.1	43437.	3397.1	6.9369	4037.9

Sample Name: K1212-02DUP Acquired: 1/24/2019 14:03:09 Type: Unk
Method: P4-ICP2(v2778) 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	.00256	.00060	.00244	.00052	-.00038	.00439	.04118	.00009
Stddev	.00133	.00072	.00057	.00273	.00196	.01277	.00486	.00003
%RSD	51.721	119.26	23.338	528.12	516.72	290.97	11.808	40.007

#1	.00355	.00076	.00293	-.00095	.00168	-.01034	.03559	.00006
#2	.00106	-.00018	.00182	.00367	-.00060	.01126	.04444	.00008
#3	.00309	.00122	.00258	-.00117	-.00222	.01225	.04352	.00012

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	7.9035	-.00037	.00011	.00024	.22303	.46074	2.1944
Stddev	.00009	.0457	.00080	.00015	.00016	.01952	.00058	.0479
%RSD	134.73	.57888	219.58	137.60	67.163	8.7501	.12530	2.1835

#1	-.00007	7.9210	-.00015	-.00006	.00040	.24529	.46141	2.1686
#2	-.00015	7.8516	-.00126	.00018	.00024	.20886	.46035	2.1649
#3	.00003	7.9379	.00031	.00020	.00008	.21495	.46047	2.2497

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00047	.00058	11.914	-.00041	.09930	1.4527	.00020	.00977
Stddev	.00023	.00011	.046	.00056	.00560	.0124	.00016	.00802
%RSD	48.120	19.415	.38492	136.54	5.6359	.85585	76.533	82.136

#1	-.00054	.00071	11.948	-.00054	.09360	1.4594	.00031	.01837
#2	-.00066	.00052	11.862	-.00090	.10479	1.4384	.00002	.00248
#3	-.00022	.00052	11.933	.00020	.09950	1.4604	.00027	.00846

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1056	1.4540	.00019	.00529	.00034	.0172	.03564	3.6891
Stddev	.0213	.0144	.00077	.00438	.00168	.0008	.00022	.1932
%RSD	1.9278	.99307	409.25	82.725	497.92	4.535	.60858	5.2377

#1	1.0840	1.4631	.00106	.00696	.00216	.0180	.03562	3.7042
#2	1.1060	1.4373	-.00041	.00858	.00001	.0172	.03542	3.8743
#3	1.1266	1.4615	-.00009	.00032	-.00116	.0164	.03586	3.4888

Sample Name: K1212-02DUP Acquired: 1/24/2019 14:03:09 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg <.00000
Stddev .50076
%RSD 389.34

#1 .30245
#2 -.01040
#3 -.67791

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3250.0	43965.	3686.0	8.0519	3991.6
Stddev	12.1	209.	10.6	.4192	32.2
%RSD	.37088	.47550	.28625	5.2056	.80745

#1	3238.4	43890.	3674.1	8.4700	3959.6
#2	3249.1	43803.	3689.8	7.6318	3991.0
#3	3262.5	44201.	3694.1	8.0540	4024.1

Sample Name: K1213-01A Acquired: 1/24/2019 14:07:33 Type: Unk
Method: P4-ICP2(v2778) 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	.89697	2.0323	1.0223	2.1943	.90248	3.1157	.28086	.21535
Stddev	.02566	.0624	.0331	.0604	.02249	.0198	.00557	.00128
%RSD	2.8608	3.0723	3.2381	2.7528	2.4917	.63586	1.9844	.59285
#1	.87086	1.9730	.99048	2.1370	.87945	3.0942	.27685	.21416
#2	.89788	2.0264	1.0198	2.1886	.90359	3.1194	.27850	.21519
#3	.92216	2.0975	1.0566	2.2574	.92439	3.1333	.28722	.21670
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20746	131.22	.44167	.21377	.36767	3.9859	.26008	15.055
Stddev	.00674	.58	.00460	.00688	.00878	.5150	.00159	.151
%RSD	3.2476	.44057	1.0415	3.2170	2.3874	12.920	.60968	1.0062
#1	.20106	131.49	.43797	.20674	.35889	3.6551	.25892	14.897
#2	.20684	130.56	.44022	.21409	.36767	4.5793	.25943	15.070
#3	.21449	131.61	.44682	.22049	.37645	3.7235	.26189	15.198
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.53616	.07971	226.92	.33279	.93674	20.219	.47193	.39168
Stddev	.01692	.00050	2.33	.00258	.12010	.084	.01208	.00746
%RSD	3.1554	.62577	1.0272	.77483	12.821	.41524	2.5591	1.9044
#1	.51955	.07918	227.77	.32991	.86753	20.312	.45934	.38423
#2	.53556	.08018	224.28	.33357	1.0754	20.149	.47304	.39164
#3	.55337	.07977	228.71	.33489	.86726	20.197	.48342	.39915
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 11.628	F 11.429	.75410	.26032	.23555	6.536	.90322	5.0247
Stddev	.097	.076	.02156	.00464	.00314	.195	.00526	.1080
%RSD	.83117	.66097	2.8594	1.7820	1.3316	2.990	.58278	2.1497
#1	11.590	11.479	.73191	.26007	.23630	6.342	.90902	5.0627
#2	11.738	11.342	.75542	.25581	.23211	6.533	.89873	4.9028
#3	11.557	11.467	.77497	.26508	.23825	6.733	.90192	5.1086

Sample Name: K1213-01A Acquired: 1/24/2019 14:07:33 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	6.3913
Stddev	.4689
%RSD	7.3373

#1	6.9062
#2	5.9887
#3	6.2790

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2980.5	41565.	3841.3	9.0299	3436.8
Stddev	25.3	112.	24.2	1.0763	20.7
%RSD	.84998	.27003	.62966	11.919	.60149

#1	2960.1	41437.	3815.5	9.5446	3420.0
#2	2972.5	41615.	3863.5	7.7929	3430.6
#3	3008.9	41644.	3844.8	9.7522	3459.9

Sample Name: K1213-01MS Acquired: 1/24/2019 14:11:50 Type: Unk
Method: P4-ICP2(v2778) 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	1.0186	2.3222	1.1671	2.4900	1.0149	3.5725	.32862	.25774
Stddev	.0024	.0068	.0009	.0113	.0023	.0253	.00180	.00054
%RSD	.23582	.29367	.07339	.45540	.22381	.70943	.54829	.20805
#1	1.0158	2.3235	1.1672	2.4991	1.0133	3.5641	.32856	.25737
#2	1.0196	2.3148	1.1678	2.4936	1.0138	3.5524	.32684	.25749
#3	1.0203	2.3283	1.1661	2.4773	1.0175	3.6010	.33044	.25835
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23717	133.83	.52485	.24404	.41501	4.5768	.30328	15.574
Stddev	.00036	.89	.00166	.00108	.00044	.2939	.00101	.212
%RSD	.15060	.66755	.31587	.44336	.10504	6.4218	.33430	1.3612
#1	.23708	132.88	.52306	.24526	.41477	4.8862	.30224	15.491
#2	.23688	133.96	.52633	.24365	.41476	4.5428	.30331	15.416
#3	.23757	134.65	.52517	.24321	.41552	4.3013	.30427	15.815
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.61136	.09493	232.10	.39708	.98519	22.756	.52934	.45590
Stddev	.00114	.00071	.37	.00166	.06099	.128	.00164	.00838
%RSD	.18581	.75301	.15846	.41832	6.1905	.56291	.30898	1.8379
#1	.61067	.09544	232.15	.39537	1.0455	22.614	.53030	.46525
#2	.61268	.09523	231.70	.39719	.98644	22.862	.53027	.44906
#3	.61074	.09411	232.43	.39869	.92358	22.792	.52745	.45340
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 11.760	F 11.762	.84622	.29530	.28442	7.444	.95793	4.9291
Stddev	.136	.056	.00181	.00160	.00110	.006	.00332	.0534
%RSD	1.1563	.47487	.21362	.54225	.38699	.0838	.34677	1.0828
#1	11.782	11.711	.84791	.29359	.28316	7.451	.95431	4.9876
#2	11.883	11.822	.84431	.29553	.28492	7.444	.95865	4.9167
#3	11.614	11.754	.84643	.29677	.28519	7.438	.96083	4.8830

Sample Name: K1213-01MS Acquired: 1/24/2019 14:11:50 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg 7.6288
Stddev .3577
%RSD 4.6892

#1 7.5509
#2 7.3164
#3 8.0191

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2969.5	41587.	3790.2	8.7754	3415.0
Stddev	16.3	85.	11.5	.5642	14.8
%RSD	.54979	.20433	.30249	6.4291	.43423

#1	2953.5	41492.	3796.1	8.2247	3401.2
#2	2968.8	41616.	3776.9	8.7493	3413.0
#3	2986.2	41654.	3797.5	9.3522	3430.7

Sample Name: K1213-01MSD Acquired: 1/24/2019 14:16:02 Type: Unk
Method: P4-ICP2(v2778) 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	1.0147	2.3033	1.1583	2.4899	1.0074	3.5755	.32417	.25617
Stddev	.0018	.0029	.0006	.0046	.0015	.0473	.00350	.00088
%RSD	.17993	.12548	.05423	.18257	.14708	1.3242	1.0797	.34434
#1	1.0163	2.3006	1.1589	2.4952	1.0059	3.5691	.32014	.25628
#2	1.0151	2.3064	1.1576	2.4874	1.0074	3.6257	.32593	.25699
#3	1.0127	2.3029	1.1584	2.4872	1.0089	3.5317	.32644	.25524
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23534	130.65	.52037	.24240	.41211	4.9291	.30074	15.283
Stddev	.00017	1.49	.00139	.00028	.00118	.2405	.00035	.314
%RSD	.07083	1.1428	.26736	.11548	.28624	4.8790	.11770	2.0540
#1	.23539	129.27	.51897	.24208	.41122	5.0259	.30036	15.035
#2	.23516	130.45	.52040	.24251	.41165	4.6553	.30079	15.178
#3	.23548	132.24	.52175	.24261	.41345	5.1060	.30106	15.636
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.60639	.09435	225.47	.39411	1.0544	22.449	.52518	.45920
Stddev	.00113	.00040	3.63	.00125	.0682	.113	.00122	.00602
%RSD	.18666	.42808	1.6089	.31612	6.4654	.50505	.23230	1.3112
#1	.60622	.09465	223.36	.39501	1.0770	22.370	.52531	.45563
#2	.60535	.09389	223.38	.39269	.97784	22.398	.52390	.45583
#3	.60760	.09451	229.66	.39463	1.1085	22.579	.52633	.46616
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 11.705	F 11.457	.83873	.29409	.28382	7.399	.94435	4.7894
Stddev	.065	.122	.00253	.00389	.00307	.005	.00495	.0756
%RSD	.55622	1.0634	.30180	1.3218	1.0828	.0706	.52380	1.5781
#1	11.769	11.369	.84038	.29073	.28035	7.397	.94065	4.8528
#2	11.705	11.405	.83581	.29318	.28621	7.395	.94243	4.7058
#3	11.639	11.596	.83999	.29835	.28489	7.405	.94997	4.8097

Sample Name: K1213-01MSD Acquired: 1/24/2019 14:16:02 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	7.5092
Stddev	.1239
%RSD	1.6495

#1	7.5611
#2	7.5987
#3	7.3679

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2983.0	41789.	3853.2	8.1514	3430.8
Stddev	5.4	158.	20.4	.5370	7.4
%RSD	.18032	.37715	.52910	6.5880	.21629

#1	2977.8	41628.	3862.0	7.9346	3424.1
#2	2982.6	41795.	3867.7	8.7629	3429.6
#3	2988.5	41943.	3829.9	7.7566	3438.8

Sample Name: CCV02 Acquired: 1/24/2019 14:20:16 Type: Unk
Method: P4-ICP2(v2778) 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	5.1176	5.0277	4.9348	5.0715	5.0962	10.392	10.308	.25549
Stddev	.0240	.0101	.0218	.0149	.0190	.078	.035	.00054
%RSD	.46948	.20183	.44196	.29313	.37197	.75222	.34291	.21331
#1	5.1452	5.0362	4.9561	5.0844	5.1178	10.477	10.278	.25494
#2	5.1021	5.0304	4.9358	5.0749	5.0827	10.377	10.298	.25548
#3	5.1053	5.0165	4.9125	5.0553	5.0880	10.322	10.347	.25603
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4597	26.120	1.0289	2.4600	1.2844	5.3413	2.5528	25.301
Stddev	.0087	.133	.0017	.0100	.0060	.4970	.0006	.054
%RSD	.35238	.50752	.16384	.40506	.46532	9.3055	.02447	.21328
#1	2.4696	26.013	1.0301	2.4711	1.2912	4.9717	2.5532	25.297
#2	2.4562	26.078	1.0269	2.4570	1.2812	5.9064	2.5521	25.249
#3	2.4534	26.268	1.0295	2.4518	1.2806	5.1458	2.5531	25.356
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4806	1.2990	25.315	2.5441	2.6046	25.543	5.1145	5.1375
Stddev	.0087	.0058	.093	.0034	.2393	.050	.0180	.0057
%RSD	.35177	.44788	.36911	.13294	9.1881	.19495	.35160	.11101
#1	2.4902	1.3050	25.311	2.5424	2.4033	25.573	5.1350	5.1326
#2	2.4784	1.2934	25.223	2.5419	2.8692	25.485	5.1071	5.1437
#3	2.4731	1.2987	25.410	2.5480	2.5414	25.571	5.1014	5.1361
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0489	5.1108	4.9805	5.1101	5.1593	5.004	5.2398	F 3.9279
Stddev	.0586	.0405	.0197	.0249	.0127	.002	.0132	.1579
%RSD	1.1603	.79211	.39579	.48719	.24708	.0470	.25197	4.0199
#1	5.0490	5.0914	5.0028	5.1320	5.1572	5.006	5.2313	4.1051
#2	5.1075	5.0836	4.9732	5.0830	5.1477	5.001	5.2332	3.8021
#3	4.9903	5.1573	4.9654	5.1154	5.1729	5.005	5.2550	3.8766

Sample Name: CCV02 Acquired: 1/24/2019 14:20:16 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 1.9757
Stddev	.7221
%RSD	36.551

#1	1.1488
#2	2.4818
#3	2.2967

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3211.1	44356.	3935.6	8.3309	3657.8
Stddev	12.7	186.	17.9	.7370	15.0
%RSD	.39609	.41850	.45439	8.8462	.40937

#1	3197.0	44147.	3938.8	8.9659	3641.4
#2	3214.7	44500.	3951.7	7.5228	3660.9
#3	3221.6	44422.	3916.4	8.5040	3670.9

Sample Name: CCB02 Acquired: 1/24/2019 14:24:17 Type: Unk
Method: P4-ICP2(v2778) 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	.00188	.00092	.00094	.00065	.00118	.00540	.00686
Stddev	.00228	.00096	.00117	.00251	.00110	.00472	.00507
%RSD	121.18	104.22	124.03	387.74	93.233	87.482	73.848

#1	.00428	.00202	.00169	.00095	.00221	.00115	.00192
#2	-.00025	.00054	-.00040	-.00200	.00128	.01049	.01205
#3	.00161	.00021	.00154	.00299	.00003	.00456	.00662

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00011	-.00498	.00011	-.00010	.00024	-.01461
Stddev	.00009	.00012	.00760	.00022	.00013	.00018	.04520
%RSD	205.84	111.89	152.84	200.22	128.47	73.791	309.44

#1	.00007	.00005	-.00460	.00035	-.00026	.00007	-.05339
#2	-.00005	.00025	-.01276	.00007	-.00002	.00043	-.02547
#3	.00011	.00003	.00243	-.00009	-.00003	.00023	.03504

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.01831	.00016	.00060	.03540	.00036	.00015
Stddev	.00002	.04451	.00002	.00011	.00986	.00035	.00004
%RSD	28.040	243.11	11.769	18.072	27.848	97.526	23.609

#1	.00011	.04422	.00018	.00070	.02402	.00009	.00013
#2	.00006	-.03309	.00017	.00049	.04091	.00075	.00019
#3	.00009	.04379	.00014	.00060	.04127	.00023	.00014

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02997	.00007	.00645	F -.01331	.00155	.00037	.00619
Stddev	.03814	.00015	.00347	.00900	.00012	.00048	.00319
%RSD	127.23	204.13	53.722	67.618	7.7443	128.74	51.449

#1	.07307	-.00005	.00683	-.02264	.00168	-.00016	.00268
#2	.01627	.00002	.00281	-.01260	.00145	.00051	.00700
#3	.00059	.00025	.00971	-.00468	.00151	.00077	.00890

Sample Name: CCB02 Acquired: 1/24/2019 14:24:17 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00182	.0006	.00011	F 2.7222	F .06455
Stddev	.00101	.0010	.00008	.1860	.29864
%RSD	55.842	168.8	70.072	6.8320	462.67
#1	-.00285	.0015	.00020	2.9352	.40914
#2	-.00176	-.0005	.00006	2.5920	-.09643
#3	-.00083	.0007	.00006	2.6395	-.11907
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3340.3	46600.	3952.8	9.4939	4212.4
Stddev	4.9	141.	10.4	.3007	5.9
%RSD	.14721	.30310	.26259	3.1673	.13920
#1	3336.3	46449.	3964.8	9.1591	4217.1
#2	3338.9	46729.	3948.0	9.5818	4214.2
#3	3345.8	46623.	3945.8	9.7409	4205.8

Sample Name: K1213-02 Acquired: 1/24/2019 14:28:44 Type: Unk
Method: P4-ICP2(v2778) 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	.00311	.00093	.00182	.00103	-.00119	.05181	.01293	.00006
Stddev	.00218	.00116	.00087	.00291	.00103	.01241	.00327	.00000
%RSD	69.896	124.13	48.073	284.15	86.617	23.945	25.254	7.1074

#1	.00455	.00042	.00257	.00428	-.00131	.06468	.01670	.00006
#2	.00418	.00226	.00086	.00014	-.00011	.03993	.01106	.00006
#3	.00061	.00012	.00202	-.00134	-.00216	.05081	.01103	.00007

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	11.823	.00067	.00002	.00297	.09739	.00443	1.1898
Stddev	.00011	.086	.00018	.00008	.00011	.05270	.00007	.0607
%RSD	1221.7	.72727	27.538	414.78	3.8125	54.107	1.6797	5.0983

#1	.00011	11.728	.00047	.00007	.00285	.15380	.00436	1.1205
#2	-.00009	11.845	.00084	-.00007	.00308	.08896	.00442	1.2328
#3	-.00005	11.896	.00070	.00006	.00297	.04942	.00451	1.2162

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.00038	19.561	.00019	.07546	.82879	.00012	.00990
Stddev	.00063	.00004	.089	.00042	.00153	.01495	.00008	.00207
%RSD	465.03	10.106	.45373	223.33	2.0304	1.8035	68.232	20.870

#1	.00038	.00036	19.567	.00025	.07435	.81704	.00003	.00790
#2	.00006	.00042	19.470	-.00026	.07482	.84562	.00017	.00978
#3	-.00084	.00036	19.647	.00058	.07721	.82372	.00016	.01203

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98535	.96146	.00116	.00834	-.00144	.0065	.06133	3.1146
Stddev	.04107	.00317	.00075	.00394	.00083	.0025	.00070	.0719
%RSD	4.1681	.32956	64.732	47.191	58.035	39.22	1.1406	2.3080

#1	1.0325	.96252	.00118	.01215	-.00234	.0081	.06054	3.0494
#2	.95708	.95789	.00191	.00859	-.00069	.0035	.06186	3.1917
#3	.96651	.96395	.00040	.00429	-.00129	.0078	.06159	3.1028

Sample Name: K1213-02 Acquired: 1/24/2019 14:28:44 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg <.00000
Stddev .30293
%RSD 34.564

#1 -.59397
#2 -.83900
#3 -1.1963

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3274.6	45543.	3976.9	8.9101	4015.9
Stddev	3.8	24.	25.2	.1064	15.1
%RSD	.11654	.05193	.63409	1.1937	.37568

#1	3272.5	45520.	3966.3	8.9881	4032.7
#2	3279.0	45542.	4005.7	8.9532	4011.6
#3	3272.3	45567.	3958.7	8.7889	4003.5

Sample Name: K1212-02LX5 Acquired: 1/24/2019 14:33:10 Type: Unk
Method: P4-ICP2(v2778) 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	.00174	.00092	.00080	.00056	.00148	.00041	.01178	-.00002
Stddev	.00123	.00091	.00095	.00105	.00085	.00501	.00409	.00005
%RSD	70.552	99.760	118.40	187.63	57.698	1208.8	34.717	191.14

#1	.00195	.00197	.00163	.00178	.00073	-.00308	.00810	-.00007
#2	.00285	.00043	-.00023	-.00005	.00241	-.00182	.01618	-.00002
#3	.00042	.00035	.00100	-.00004	.00130	.00615	.01105	.00002

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	1.7421	-.00011	.00013	-.00011	.04308	.10210	.54624
Stddev	.00009	.0127	.00019	.00010	.00018	.03682	.00036	.03220
%RSD	59361.	.73124	164.66	76.576	163.21	85.472	.35397	5.8953

#1	-.00001	1.7353	-.00002	.00005	-.00032	.02294	.10177	.54299
#2	.00009	1.7568	.00001	.00009	-.00003	.02072	.10249	.57995
#3	-.00008	1.7341	-.00033	.00023	.00001	.08559	.10204	.51579

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00022	.00079	2.6186	-.00018	.01923	.34329	-.00006	-.00719
Stddev	.00013	.00002	.0303	.00025	.00059	.02139	.00008	.00240
%RSD	58.594	2.3961	1.1578	142.30	3.0443	6.2322	118.76	33.339

#1	-.00030	.00079	2.5915	-.00046	.01986	.33854	-.00015	-.00826
#2	-.00029	.00077	2.6513	-.00006	.01913	.36666	-.00005	-.00886
#3	-.00007	.00080	2.6130	-.00001	.01870	.32467	.00000	-.00444

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22469	.31324	.00072	.00558	-.00201	.0036	.00800	2.7387
Stddev	.04310	.00461	.00016	.00317	.00139	.0015	.00011	.1689
%RSD	19.184	1.4717	22.221	56.889	69.251	43.18	1.3536	6.1677

#1	.25884	.31562	.00086	.00267	-.00101	.0018	.00803	2.8710
#2	.17626	.31618	.00076	.00509	-.00359	.0043	.00810	2.7967
#3	.23898	.30793	.00055	.00896	-.00141	.0046	.00789	2.5484

Sample Name: K1212-02LX5 Acquired: 1/24/2019 14:33:10 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	<.00000
Stddev	.32618
%RSD	70.284

#1	-.53624
#2	-.74814
#3	-.10788

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3334.5	46414.	3981.2	9.1970	4167.9
Stddev	14.3	186.	54.6	.3145	4.6
%RSD	.42970	.39979	1.3712	3.4199	.11012

#1	3318.7	46392.	3969.9	8.8568	4163.7
#2	3338.0	46241.	3933.1	9.2568	4167.1
#3	3346.7	46610.	4040.5	9.4773	4172.8

Sample Name: K1212-02A Acquired: 1/24/2019 14:37:38 Type: Unk
Method: P4-ICP2(v2778) 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	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.69564	1.7419	.83279	1.7687	.68631	1.6376	.20370	.16849	.16533
Stddev	.01646	.0546	.02750	.0536	.02686	.0204	.00234	.00155	.00557
%RSD	2.3669	3.1374	3.3020	3.0293	3.9131	1.2489	1.1511	.91919	3.3671
#1	.67788	1.6844	.80506	1.7134	.65961	1.6567	.20350	.16678	.15958
#2	.69864	1.7479	.83326	1.7724	.68600	1.6160	.20614	.16892	.16570
#3	.71040	1.7933	.86005	1.8203	.71332	1.6401	.20146	.16979	.17070
Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.4907	.34108	.16846	.27765	2.5551	.66841	4.0230	.42521	.06323
Stddev	.0704	.00123	.00575	.00742	.2889	.00282	.0560	.01444	.00043
%RSD	.74183	.35964	3.4153	2.6741	11.308	.42121	1.3926	3.3964	.68249
#1	9.4717	.33972	.16248	.26988	2.2978	.66533	3.9792	.41019	.06281
#2	9.4317	.34144	.16896	.27842	2.4998	.66904	4.0036	.42645	.06321
#3	9.5686	.34209	.17395	.28467	2.8677	.67086	4.0861	.43899	.06368
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	15.451	.25325	.26700	9.9308	.35168	.25863	1.2276	2.3377	.58239
Stddev	.110	.00243	.02489	.0270	.01163	.00830	.0213	.0155	.02317
%RSD	.71173	.95872	9.3227	.27221	3.3065	3.2095	1.7340	.66229	3.9785
#1	15.480	.25066	.24472	9.9492	.34020	.24968	1.2206	2.3198	.55894
#2	15.543	.25361	.26242	9.8998	.35139	.26014	1.2516	2.3455	.58294
#3	15.329	.25548	.29386	9.9435	.36345	.26607	1.2108	2.3477	.60527
Elem	Ti3361	Li6707	P_1774	Sr4077	U_3670	U_3859			
Units	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	.16582	.16111	4.859	.20650	3.0103	5.6944			
Stddev	.00198	.00237	.155	.00074	.1105	.1751			
%RSD	1.1934	1.4729	3.185	.35693	3.6691	3.0747			
#1	.16802	.16234	4.695	.20665	3.1207	5.8952			
#2	.16525	.16262	4.878	.20570	3.0104	5.6138			
#3	.16419	.15838	5.003	.20715	2.8998	5.5741			

Sample Name: K1212-02A Acquired: 1/24/2019 14:37:38 Type: Unk
Method: P4-ICP2(v2778) 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	3310.1	45870.	3946.1	9.3916	3980.3
Stddev	9.2	123.	24.6	.6372	12.4
%RSD	.27927	.26831	.62222	6.7843	.31268
#1	3299.6	45775.	3934.0	9.9506	3993.9
#2	3313.8	45827.	3930.1	9.5265	3977.8
#3	3317.0	46009.	3974.4	8.6978	3969.4

Sample Name: K1212-02MSD Acquired: 1/24/2019 14:41:49 Type: Unk
Method: P4-ICP2(v2778) 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	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.82710	2.0762	.98905	2.1001	.84318	2.0249	.24258	.20952	.19729
Stddev	.00526	.0274	.00985	.0149	.00533	.0358	.00130	.00097	.00164
%RSD	.63576	1.3202	.99592	.71142	.63262	1.7682	.53791	.46067	.83358
#1	.82186	2.0472	.97882	2.0847	.83703	1.9928	.24346	.20846	.19540
#2	.82706	2.0795	.98986	2.1010	.84593	2.0183	.24108	.20974	.19818
#3	.83237	2.1018	.99847	2.1145	.84658	2.0635	.24319	.21035	.19830
Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.410	.42228	.20060	.32883	3.6029	.75574	4.6629	.50639	.07741
Stddev	.068	.00173	.00179	.00178	.2377	.00217	.0970	.00403	.00102
%RSD	.64892	.40989	.89290	.54258	6.5975	.28706	2.0803	.79504	1.3200
#1	10.334	.42029	.19876	.32685	3.3581	.75376	4.5867	.50191	.07662
#2	10.463	.42333	.20072	.32933	3.6177	.75805	4.6299	.50754	.07704
#3	10.432	.42324	.20233	.33031	3.8329	.75540	4.7721	.50971	.07856
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	17.142	.31323	.35069	11.953	.43247	.31189	1.3217	2.6881	.71643
Stddev	.087	.00153	.01531	.087	.00229	.00800	.0445	.0149	.00827
%RSD	.50499	.48875	4.3645	.73015	.53011	2.5655	3.3672	.55275	1.1541
#1	17.112	.31175	.33306	11.873	.42993	.30641	1.2782	2.6928	.70695
#2	17.240	.31312	.36051	11.939	.43309	.32107	1.3671	2.7001	.72212
#3	17.075	.31481	.35851	12.046	.43438	.30819	1.3198	2.6715	.72022
Elem	Ti3361	Li6707	P_1774	Sr4077	U_3670	U_3859			
Units	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	.20793	.19841	5.791	.24579	3.1320	7.7613			
Stddev	.00216	.00318	.044	.00195	.0733	.2752			
%RSD	1.0392	1.6040	.7651	.79166	2.3413	3.5464			
#1	.20567	.19592	5.742	.24674	3.1654	7.4545			
#2	.20815	.20200	5.804	.24709	3.0480	7.9866			
#3	.20997	.19731	5.828	.24356	3.1827	7.8428			

Sample Name: K1212-02MSD Acquired: 1/24/2019 14:41:49 Type: Unk
Method: P4-ICP2(v2778) 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	3292.4	45651.	3961.1	8.1779	3952.6
Stddev	7.0	61.	31.2	.3467	23.5
%RSD	.21322	.13398	.78720	4.2391	.59527
#1	3300.5	45582.	3947.7	8.5771	3979.6
#2	3287.9	45672.	3938.9	7.9527	3941.2
#3	3288.8	45699.	3996.7	8.0039	3936.9

Sample Name: K1212-02MS Acquired: 1/24/2019 14:45:58 Type: Unk
Method: P4-ICP2(v2778) 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	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.83675	2.0998	1.0019	2.1220	.85864	2.1080	.25323	.21525	.19991
Stddev	.00496	.0107	.0035	.0008	.00439	.0134	.00215	.00022	.00103
%RSD	.59223	.50806	.34527	.03591	.51159	.63586	.84729	.10081	.51424
#1	.84218	2.0887	.99800	2.1212	.85357	2.0976	.25278	.21532	.19880
#2	.83247	2.1006	1.0045	2.1222	.86102	2.1033	.25134	.21501	.20010
#3	.83561	2.1100	1.0033	2.1227	.86134	2.1231	.25556	.21543	.20083
Elem	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.756	.43418	.20365	.33274	3.1903	.76946	4.8139	.51281	.07951
Stddev	.037	.00093	.00095	.00037	.2138	.00187	.0625	.00188	.00022
%RSD	.34057	.21305	.46768	.11025	6.7023	.24305	1.2984	.36693	.27676
#1	10.741	.43453	.20275	.33232	3.2807	.76896	4.7765	.51083	.07938
#2	10.730	.43313	.20354	.33292	2.9462	.76789	4.7790	.51305	.07939
#3	10.798	.43488	.20465	.33298	3.3441	.77153	4.8860	.51457	.07976
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	17.717	.32296	.30252	12.579	.43734	.34093	1.3682	2.7697	.72474
Stddev	.018	.00097	.01282	.021	.00066	.00558	.0264	.0151	.00335
%RSD	.10185	.29968	4.2370	.16754	.15171	1.6379	1.9264	.54650	.46188
#1	17.697	.32385	.30271	12.557	.43770	.34620	1.3420	2.7575	.72177
#2	17.720	.32193	.28961	12.582	.43775	.34152	1.3678	2.7866	.72837
#3	17.733	.32310	.31524	12.599	.43658	.33508	1.3947	2.7648	.72409
Elem	Ti3361	Li6707	P_1774	Sr4077	U_3670	U_3859			
Units	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	.22320	.21052	5.858	.25872	3.1908	7.5787			
Stddev	.00170	.00151	.031	.00111	.0854	.4078			
%RSD	.76017	.71678	.5329	.42933	2.6774	5.3811			
#1	.22289	.20878	5.825	.25816	3.2733	7.3289			
#2	.22167	.21147	5.863	.26000	3.1028	8.0493			
#3	.22503	.21130	5.887	.25801	3.1964	7.3580			

Sample Name: K1212-02MS Acquired: 1/24/2019 14:45:58 Type: Unk
Method: P4-ICP2(v2778) 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	3284.1	45426.	3914.4	9.5030	3929.8
Stddev	10.0	88.	13.4	.3806	13.2
%RSD	.30585	.19407	.34213	4.0054	.33643
#1	3276.0	45336.	3913.4	9.4644	3944.5
#2	3281.0	45428.	3901.5	9.9015	3918.8
#3	3295.3	45512.	3928.2	9.1431	3926.0

Sample Name: PB116567BL Acquired: 1/24/2019 14:50:08 Type: Unk
Method: P4-ICP2(v2778) 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	.00390	-.00041	.00024	.00115	.00087	.00307	.00493	.00005
Stddev	.00036	.00091	.00054	.00185	.00102	.00969	.00272	.00004
%RSD	9.3281	220.55	224.71	160.96	116.52	315.77	55.278	87.753
#1	.00353	.00064	.00013	.00302	.00178	-.00253	.00801	.00000
#2	.00391	-.00091	.00083	-.00068	.00107	-.00253	.00286	.00008
#3	.00425	-.00097	-.00024	.00111	-.00023	.01426	.00391	.00005
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.01138	.00007	.00015	.00064	.01183	-.00001	-.00014
Stddev	.00011	.00364	.00016	.00009	.00048	.02503	.00003	.04779
%RSD	319.07	32.007	218.70	59.044	74.974	211.53	580.51	33451.
#1	.00002	.00732	-.00008	.00012	.00033	.03271	.00003	.02929
#2	-.00006	.01435	.00007	.00025	.00120	.01871	-.00002	.02557
#3	.00015	.01248	.00023	.00008	.00040	-.01592	-.00002	-.05529
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	.00044	-.02380	-.00017	-.00026	.03152	-.00003	.00447
Stddev	.00036	.00007	.00959	.00038	.00008	.01375	.00017	.00107
%RSD	850.34	16.555	40.280	218.63	32.714	43.626	530.65	23.873
#1	-.00017	.00044	-.01997	-.00061	-.00016	.04673	.00016	.00483
#2	.00036	.00052	-.03470	.00010	-.00031	.02790	-.00008	.00532
#3	-.00032	.00037	-.01671	-.00001	-.00031	.01995	-.00017	.00327
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .01422	.00129	-.00009	.00421	-.00243	-.0006	.00005	F 2.5401
Stddev	.01433	.00077	.00023	.00126	.00115	.0017	.00002	.1073
%RSD	100.78	59.624	266.61	29.900	47.153	301.3	32.090	4.2231
#1	.01329	.00140	-.00005	.00446	-.00239	.0012	.00003	2.5229
#2	.00038	.00048	.00012	.00532	-.00361	-.0007	.00006	2.6549
#3	.02900	.00201	-.00033	.00284	-.00131	-.0022	.00004	2.4424

Sample Name: PB116567BL Acquired: 1/24/2019 14:50:08 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	F .04257
Stddev	.37173
%RSD	873.22

#1	.27654
#2	-.38607
#3	.23724

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3302.4	46260.	3953.3	9.0970	4146.2
Stddev	8.8	108.	14.4	.4003	6.9
%RSD	.26596	.23350	.36492	4.4009	.16645

#1	3294.1	46237.	3944.0	8.6364	4142.8
#2	3301.6	46166.	3946.0	9.3614	4141.7
#3	3311.6	46378.	3969.9	9.2932	4154.1

Sample Name: PB116568BL Acquired: 1/24/2019 14:58:48 Type: Unk
Method: P4-ICP2(v2778) 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	.00129	.00063	.00033	-.00096	.00007	.00164	.00672
Stddev	.00023	.00037	.00036	.00032	.00077	.00788	.00758
%RSD	17.541	59.573	108.65	33.086	1168.8	480.96	112.69

#1	.00103	.00105	.00042	-.00100	.00095	-.00415	.01529
#2	.00146	.00049	.00063	-.00125	-.00046	.01062	.00089
#3	.00137	.00034	-.00007	-.00062	-.00030	-.00155	.00399

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00003	-.00679	-.00005	-.00008	.00001	-.02145
Stddev	.00007	.00002	.00516	.00021	.00013	.00025	.02250
%RSD	72.348	75.894	75.970	434.40	169.36	2754.5	104.89

#1	.00005	.00002	-.00247	-.00024	-.00008	-.00020	-.01982
#2	.00018	.00006	-.00539	.00017	.00006	-.00006	.00019
#3	.00006	.00002	-.01250	-.00008	-.00021	.00029	-.04471

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00741	-.00018	.00041	-.05608	-.00006	-.00039
Stddev	.00002	.04563	.00027	.00065	.00222	.00040	.00010
%RSD	76.227	616.11	147.05	156.53	3.9547	651.69	26.576

#1	-.00003	-.03105	-.00047	.00033	-.05400	.00031	-.00045
#2	-.00001	.05783	.00005	-.00019	-.05841	-.00049	-.00027
#3	-.00004	-.00457	-.00013	.00110	-.05583	-.00000	-.00045

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02283	-.00006	-.00159	F -.02452	.00348	-.00003	.00605
Stddev	.01424	.00003	.00300	.00891	.00191	.00041	.00356
%RSD	62.379	59.347	188.95	36.339	54.943	1234.4	58.787

#1	.02282	-.00002	.00123	-.02272	.00492	-.00017	.00199
#2	.00859	-.00007	-.00473	-.01665	.00421	.00042	.00859
#3	.03708	-.00009	-.00125	-.03420	.00131	-.00035	.00759

Sample Name: PB116568BL Acquired: 1/24/2019 14:58:48 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00199	.0003	-.00000	F 2.4481	F<.00000
Stddev	.00143	.0002	.00000	.0897	.25582
%RSD	71.728	50.71	53.652	3.6631	297.83
#1	-.00247	.0005	-.00000	2.3861	-.02772
#2	-.00312	.0003	-.00000	2.4072	-.36578
#3	-.00039	.0002	-.00000	2.5509	.13583
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3311.0	46339.	4010.5	9.5371	4157.3
Stddev	6.2	50.	14.1	.6299	3.7
%RSD	.18688	.10684	.35228	6.6044	.08932
#1	3303.9	46386.	4003.1	9.4045	4153.3
#2	3315.0	46344.	4026.8	8.9841	4158.0
#3	3314.1	46287.	4001.6	10.223	4160.6

Sample Name: PB116568BS Acquired: 1/24/2019 15:03:17 Type: Unk
Method: P4-ICP2(v2778) 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	.75910	1.9537	.92676	1.9349	.78441	1.9382	.21048	.19479
Stddev	.00055	.0069	.00066	.0010	.00128	.0031	.00300	.00040
%RSD	.07274	.35252	.07078	.05343	.16373	.15832	1.4277	.20491
#1	.75966	1.9539	.92602	1.9354	.78333	1.9406	.20832	.19514
#2	.75908	1.9604	.92727	1.9356	.78408	1.9348	.20921	.19435
#3	.75855	1.9467	.92699	1.9337	.78583	1.9393	.21391	.19488
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18276	1.0345	.40261	.18766	.31052	2.8156	.20544	2.0543
Stddev	.00026	.0129	.00196	.00056	.00115	.1659	.00082	.0382
%RSD	.14396	1.2484	.48745	.29826	.37107	5.8915	.39765	1.8582
#1	.18291	1.0354	.40320	.18808	.31180	2.7965	.20466	2.0915
#2	.18246	1.0470	.40042	.18787	.31021	2.9902	.20535	2.0153
#3	.18293	1.0212	.40421	.18702	.30956	2.6601	.20629	2.0562
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47157	.07428	2.9115	.29558	.18556	9.8251	.39850	.29884
Stddev	.00113	.00063	.0159	.00104	.01042	.0553	.00130	.00195
%RSD	.23862	.85021	.54637	.35043	5.6165	.56264	.32683	.65248
#1	.47286	.07365	2.9098	.29678	.18369	9.8839	.39919	.29662
#2	.47079	.07491	2.9282	.29498	.19679	9.8173	.39699	.29963
#3	.47106	.07428	2.8965	.29499	.17620	9.7742	.39931	.30028
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00065	.95408	.65160	.20359	.19379	5.204	.20072	F 3.1311
Stddev	.06583	.00624	.00228	.00420	.00211	.007	.00116	.0830
%RSD	10062.	.65396	.35014	2.0614	1.0872	.1434	.57975	2.6500
#1	.02403	.95265	.65324	.19973	.19166	5.212	.20114	3.1579
#2	.05160	.96091	.64900	.20805	.19386	5.202	.20161	3.0380
#3	-.07367	.94868	.65257	.20299	.19587	5.198	.19940	3.1973

Sample Name: PB116568BS Acquired: 1/24/2019 15:03:17 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 7.3989
Stddev .6189
%RSD 8.3650

#1 6.7995
#2 7.3616
#3 8.0357

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3271.8	45593.	3914.9	9.3705	3982.9
Stddev	9.4	118.	29.0	.5197	10.8
%RSD	.28685	.25983	.74154	5.5466	.27197

#1	3261.7	45457.	3888.4	9.4432	3970.9
#2	3280.3	45673.	3910.4	8.8182	3991.9
#3	3273.3	45648.	3945.9	9.8500	3985.9

Sample Name: PB116554BL Acquired: 1/24/2019 15:07:27 Type: Unk
Method: P4-ICP2(v2778) 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	.00244	.00200	-.00026	.00063	-.00003	.00332	.00779	.00002
Stddev	.00229	.00210	.00073	.00353	.00098	.00398	.00555	.00002
%RSD	93.887	104.84	280.46	558.82	3055.4	119.61	71.331	107.88
#1	-.00020	.00396	-.00020	.00055	.00069	-.00104	.00144	.00005
#2	.00382	-.00022	-.00101	-.00286	.00036	.00428	.01176	.00001
#3	.00371	.00227	.00043	.00420	-.00115	.00674	.01016	.00001
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.01225	-.00002	-.00008	.00001	.03826	.00003	.04433
Stddev	.00007	.01426	.00015	.00022	.00050	.06954	.00001	.04676
%RSD	125.18	116.47	701.58	255.10	8448.1	181.76	24.992	105.48
#1	.00001	-.00057	-.00002	-.00004	-.00000	-.02912	.00003	.09510
#2	-.00013	-.00802	-.00018	.00010	.00051	.03413	.00002	.00304
#3	-.00005	-.02814	.00013	-.00032	-.00049	.10978	.00003	.03484
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	.00042	-.05180	.00008	-.00021	.01327	.00009	.00475
Stddev	.00024	.00012	.00744	.00035	.00015	.00871	.00024	.00797
%RSD	104.74	28.434	14.366	420.26	70.503	65.648	263.86	167.63
#1	-.00010	.00037	-.05815	.00023	-.00035	.01014	.00020	.01048
#2	-.00008	.00056	-.05365	.00034	-.00023	.00655	.00026	-.00435
#3	-.00051	.00034	-.04361	-.00032	-.00006	.02311	-.00019	.00813
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .01818	.00089	.00056	.00560	-.00260	.0004	-.00006	2.6762
Stddev	.01357	.00044	.00037	.00563	.00130	.0010	.00004	.2134
%RSD	74.607	49.389	65.847	100.60	49.938	263.4	78.302	7.9736
#1	.00278	.00053	.00066	.00876	-.00195	-.0002	-.00002	2.4840
#2	.02341	.00138	.00087	-.00090	-.00410	-.0002	-.00004	2.9058
#3	.02836	.00076	.00015	.00893	-.00176	.0015	-.00010	2.6388

Sample Name: PB116554BL Acquired: 1/24/2019 15:07:27 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	<.00000
Stddev	.28827
%RSD	57.465

#1	-.72254
#2	-.60685
#3	-.17555

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3283.9	45898.	3961.3	9.0189	4127.2
Stddev	9.8	84.	18.4	1.3796	7.1
%RSD	.29797	.18240	.46474	15.296	.17170

#1	3272.8	45926.	3957.4	10.500	4124.9
#2	3287.3	45804.	3981.4	8.7864	4121.6
#3	3291.5	45964.	3945.2	7.7705	4135.2

Sample Name: PB116567BS Acquired: 1/24/2019 15:11:57 Type: Unk
Method: P4-ICP2(v2778) 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	.76230	1.9631	.93064	1.9465	.80005	1.9675	.21074
Stddev	.00570	.0161	.00510	.0019	.00325	.0159	.00182
%RSD	.74795	.81850	.54816	.09519	.40575	.80690	.86296

#1	.75643	1.9671	.93195	1.9475	.80361	1.9852	.20935
#2	.76266	1.9454	.92501	1.9444	.79927	1.9629	.21280
#3	.76781	1.9768	.93496	1.9477	.79726	1.9545	.21006

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19632	.18390	1.0316	.40724	.18911	.31186	2.6512
Stddev	.00017	.00108	.0320	.00121	.00088	.00071	.1088
%RSD	.08686	.58523	3.1001	.29714	.46333	.22746	4.1046

#1	.19621	.18415	1.0479	.40653	.18881	.31173	2.6204
#2	.19651	.18271	.99479	.40863	.18842	.31262	2.7721
#3	.19622	.18482	1.0522	.40655	.19010	.31122	2.5610

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20752	2.0430	.47512	.07385	2.9329	.29702	.17898
Stddev	.00002	.0570	.00255	.00034	.0132	.00060	.00517
%RSD	.01154	2.7877	.53567	.46486	.45055	.20242	2.8891

#1	.20755	1.9960	.47454	.07406	2.9423	.29728	.17781
#2	.20750	2.0267	.47291	.07404	2.9387	.29745	.18463
#3	.20753	2.1063	.47790	.07346	2.9178	.29633	.17449

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9030	.40635	.29463	F -.00393	.97498	.66544	.21072
Stddev	.0402	.00047	.00704	.00376	.00743	.00301	.00078
%RSD	.40557	.11587	2.3900	95.828	.76197	.45281	.37126

#1	9.9062	.40594	.29128	-.00067	.97134	.66502	.21042
#2	9.9415	.40625	.30273	-.00307	.97006	.66265	.21013
#3	9.8613	.40687	.28990	-.00805	.98352	.66863	.21161

Sample Name: PB116567BS Acquired: 1/24/2019 15:11:57 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19658	5.240	.20422	F 3.2715	F 6.9436
Stddev	.00258	.027	.00113	.0939	.3347
%RSD	1.3112	.5195	.55511	2.8694	4.8203
#1	.19464	5.244	.20298	3.1639	7.0476
#2	.19951	5.211	.20448	3.3134	6.5692
#3	.19560	5.265	.20520	3.3371	7.2139
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3277.2	45354.	3895.5	9.7621	3986.7
Stddev	9.3	77.	23.9	.2911	18.5
%RSD	.28498	.17025	.61314	2.9824	.46496
#1	3272.4	45300.	3922.6	9.8295	3972.8
#2	3271.3	45320.	3877.4	9.4432	4007.7
#3	3288.0	45443.	3886.5	10.014	3979.5

Sample Name: CCV03 Acquired: 1/24/2019 15:16:05 Type: Unk
Method: P4-ICP2(v2778) 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	5.1198	5.1597	5.0511	5.1526	5.2110	10.528	10.382	.26032
Stddev	.0316	.0179	.0275	.0295	.0238	.081	.056	.00045
%RSD	.61764	.34608	.54483	.57221	.45684	.76975	.54031	.17168
#1	5.1549	5.1748	5.0825	5.1840	5.2381	10.472	10.319	.26010
#2	5.1110	5.1644	5.0399	5.1481	5.2011	10.490	10.401	.26003
#3	5.0935	5.1400	5.0310	5.1256	5.1937	10.620	10.427	.26083
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5383	26.421	1.0476	2.5386	1.2978	4.9711	2.6189	25.249
Stddev	.0104	.197	.0066	.0104	.0074	.2207	.0081	.205
%RSD	.40887	.74551	.63122	.41087	.56759	4.4405	.31115	.81242
#1	2.5501	26.210	1.0401	2.5505	1.3063	4.8240	2.6143	25.089
#2	2.5339	26.454	1.0505	2.5337	1.2930	5.2249	2.6140	25.177
#3	2.5308	26.600	1.0523	2.5315	1.2942	4.8644	2.6283	25.480
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5408	1.3049	25.480	2.5572	2.4387	25.541	5.1209	5.1484
Stddev	.0132	.0038	.149	.0044	.1121	.076	.0265	.0100
%RSD	.51787	.28788	.58318	.17212	4.5955	.29877	.51766	.19400
#1	2.5560	1.3008	25.310	2.5565	2.4018	25.461	5.1498	5.1388
#2	2.5330	1.3060	25.583	2.5532	2.5646	25.549	5.1150	5.1587
#3	2.5335	1.3081	25.547	2.5619	2.3498	25.613	5.0977	5.1477
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.2351	5.1079	5.0623	5.1148	5.2243	5.126	5.3464	F 4.0098
Stddev	.0469	.0404	.0124	.0210	.0350	.017	.0365	.0958
%RSD	.89647	.79180	.24514	.41147	.67022	.3221	.68266	2.3900
#1	5.2893	5.0640	5.0766	5.0915	5.1849	5.142	5.3044	3.8991
#2	5.2080	5.1436	5.0564	5.1323	5.2362	5.127	5.3640	4.0678
#3	5.2080	5.1161	5.0540	5.1207	5.2519	5.109	5.3707	4.0624

Sample Name: CCV03 Acquired: 1/24/2019 15:16:05 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	F 2.4559
Stddev	.3154
%RSD	12.840

#1	2.3232
#2	2.8159
#3	2.2286

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3200.5	43848.	3909.1	8.9364	3613.5
Stddev	19.0	15.	16.4	.3970	20.9
%RSD	.59395	.03310	.41887	4.4424	.57803

#1	3180.1	43856.	3926.4	9.0542	3590.3
#2	3204.0	43857.	3893.9	8.4938	3619.3
#3	3217.6	43831.	3906.9	9.2612	3630.8

Sample Name: CCB03 Acquired: 1/24/2019 15:20:05 Type: Unk
Method: P4-ICP2(v2778) 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	.00276	.00242	.00099	-.00076	.00068	.00360	.01354
Stddev	.00088	.00062	.00051	.00156	.00171	.00388	.00231
%RSD	31.729	25.543	51.313	204.18	252.31	107.76	17.092

#1	.00245	.00182	.00153	-.00036	.00023	.00707	.01598
#2	.00208	.00305	.00092	-.00248	-.00077	-.00060	.01327
#3	.00375	.00239	.00052	.00055	.00256	.00434	.01137

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00002	-.00528	-.00041	-.00008	.00034	.01103
Stddev	.00004	.00006	.01120	.00017	.00029	.00020	.05370
%RSD	99.801	314.93	211.88	40.886	356.65	57.953	486.91

#1	.00006	.00005	-.01323	-.00060	-.00041	.00054	.02788
#2	-.00001	.00006	.00752	-.00038	.00004	.00034	.05428
#3	.00007	-.00005	-.01015	-.00026	.00013	.00014	-.04908

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.02611	.00002	.00053	-.06091	.00003	-.00027
Stddev	.00004	.02611	.00020	.00013	.00327	.00033	.00005
%RSD	188.40	100.03	817.53	25.349	5.3745	943.77	17.639

#1	.00002	.00207	-.00014	.00045	-.05808	-.00019	-.00022
#2	-.00002	.05389	.00024	.00069	-.06450	.00041	-.00031
#3	-.00006	.02236	-.00002	.00045	-.06016	-.00012	-.00028

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05185	.00005	.00028	.00439	.00085	.00063	.00401
Stddev	.00082	.00027	.00579	.01515	.00198	.00005	.00279
%RSD	1.5818	503.98	2100.2	345.37	234.30	7.5374	69.466

#1	.05106	.00012	-.00485	.00556	.00311	.00059	.00444
#2	.05180	.00028	.00655	-.01132	-.00057	.00069	.00104
#3	.05269	-.00024	-.00088	.01891	-.00000	.00063	.00656

Sample Name: CCB03 Acquired: 1/24/2019 15:20:05 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00347	-.0010	.00001	F 2.9196	F<.00000
Stddev	.00126	.0006	.00008	.2971	.14582
%RSD	36.192	61.41	702.76	10.175	135.66

#1	-.00225	-.0017	.00006	3.1381	.04994
#2	-.00341	-.0010	-.00008	2.5814	-.13447
#3	-.00476	-.0004	.00005	3.0395	-.23794

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3287.2	45684.	3940.4	8.6962	4113.7
Stddev	4.9	144.	40.3	.1233	12.2
%RSD	.14814	.31626	1.0225	1.4176	.29746

#1	3290.4	45519.	3895.2	8.7909	4100.3
#2	3281.6	45787.	3953.4	8.5568	4124.2
#3	3289.6	45747.	3972.5	8.7409	4116.7

Sample Name: PB116554BS Acquired: 1/24/2019 15:24:32 Type: Unk
Method: P4-ICP2(v2778) 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	.74730	1.9502	.92693	1.9214	.79533	1.9360	.21252
Stddev	.00455	.0019	.00322	.0025	.00088	.0151	.00494
%RSD	.60841	.09602	.34746	.13240	.11088	.77776	2.3265

#1	.74532	1.9485	.93012	1.9243	.79437	1.9413	.20697
#2	.74408	1.9499	.92368	1.9194	.79551	1.9477	.21647
#3	.75250	1.9522	.92700	1.9207	.79611	1.9190	.21411

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19429	.18323	1.0127	.40461	.18882	.30866	2.7541
Stddev	.00035	.00034	.0035	.00105	.00060	.00046	.1382
%RSD	.18214	.18369	.34395	.26017	.31891	.15029	5.0174

#1	.19397	.18361	1.0086	.40578	.18904	.30915	2.8044
#2	.19467	.18306	1.0149	.40374	.18814	.30823	2.5978
#3	.19423	.18300	1.0144	.40432	.18928	.30861	2.8600

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20602	1.9778	.47218	.07320	2.8908	.29128	.18551
Stddev	.00072	.0625	.00040	.00037	.0066	.00082	.00839
%RSD	.34847	3.1615	.08548	.50899	.22849	.28309	4.5204

#1	.20557	1.9376	.47198	.07361	2.8876	.29191	.18880
#2	.20684	2.0499	.47191	.07308	2.8984	.29158	.17598
#3	.20563	1.9460	.47264	.07289	2.8865	.29035	.19175

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7272	.40068	.28566	F -.00962	.95857	.65893	.20590
Stddev	.0508	.00147	.00567	.02505	.00105	.00077	.00219
%RSD	.52178	.36730	1.9860	260.45	.10934	.11623	1.0622

#1	9.6705	.40016	.28055	.01723	.95887	.65873	.20501
#2	9.7429	.39954	.29177	-.03237	.95741	.65978	.20839
#3	9.7684	.40234	.28467	-.01372	.95944	.65829	.20430

Sample Name: PB116554BS Acquired: 1/24/2019 15:24:32 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19461	5.203	.20151	F 3.1448	F 7.2971
Stddev	.00222	.008	.00085	.1156	.4654
%RSD	1.1429	.1590	.42043	3.6748	6.3786
#1	.19230	5.206	.20099	3.2143	6.7609
#2	.19478	5.209	.20248	3.2086	7.5965
#3	.19674	5.194	.20105	3.0114	7.5340
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3309.1	45830.	3934.0	9.4038	4008.0
Stddev	3.0	180.	21.5	.4367	6.4
%RSD	.09107	.39352	.54721	4.6439	.15854
#1	3306.5	45791.	3938.9	9.2205	4001.3
#2	3312.4	45673.	3910.4	9.9023	4008.6
#3	3308.5	46027.	3952.6	9.0886	4014.0

Sample Name: PB116554TB Acquired: 1/24/2019 15:28:42 Type: Unk
Method: P4-ICP2(v2778) 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	.00249	-.00148	.00127	.00532	.00169	.00021	-.00540
Stddev	.00059	.00060	.00085	.00143	.00230	.00429	.00070
%RSD	23.548	40.755	66.593	26.848	136.26	1998.7	13.018

#1	.00294	-.00078	.00082	.00411	.00338	.00124	-.00565
#2	.00183	-.00184	.00225	.00495	.00263	.00390	-.00594
#3	.00270	-.00181	.00075	.00689	-.00093	-.00449	-.00461

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	-.00010	-.00539	.00057	-.00013	.00064	F -.05662
Stddev	.00009	.00003	.01419	.00018	.00039	.00047	.01125
%RSD	89.184	34.013	263.20	31.338	297.23	73.753	19.874

#1	-.00004	-.00007	.01040	.00071	-.00057	.00029	-.05799
#2	-.00020	-.00014	-.01706	.00037	.00001	.00118	-.06713
#3	-.00006	-.00010	-.00951	.00063	.00017	.00046	-.04475

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.06563	.00259	.00310	F 343.06	.00038	.00129
Stddev	.00003	.01229	.00046	.00052	.53	.00009	.00030
%RSD	32.606	18.727	17.769	16.742	.15306	23.498	22.977

#1	.00010	.05240	.00310	.00369	342.65	.00030	.00161
#2	.00014	.07669	.00245	.00286	343.65	.00048	.00103
#3	.00008	.06781	.00221	.00274	342.88	.00037	.00124

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10892	.00012	.00413	F .04825	.00661	.00183	.00410
Stddev	.03343	.00032	.00516	.00617	.00292	.00010	.00421
%RSD	30.690	269.03	125.13	12.779	44.162	5.3225	102.71

#1	.07032	.00043	-.00022	.04727	.00996	.00177	.00896
#2	.12831	.00015	.00276	.05485	.00462	.00195	.00173
#3	.12814	-.00022	.00983	.04264	.00524	.00178	.00160

Sample Name: PB116554TB Acquired: 1/24/2019 15:28:42 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	.0021	.00014	4.4620	<.00000
Stddev	.00156	.0007	.00004	.0367	.03939
%RSD	869.85	35.45	27.672	.82279	1.6596
#1	-.00168	.0018	.00010	4.4442	-2.3448
#2	-.00029	.0029	.00015	4.4376	-2.3577
#3	.00143	.0015	.00017	4.5042	-2.4185
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3036.2	41737.	3956.8	8.5106	3505.0
Stddev	5.9	81.	12.1	.9314	8.8
%RSD	.19377	.19478	.30671	10.944	.25062
#1	3029.9	41654.	3949.2	7.5591	3495.5
#2	3041.5	41741.	3970.8	9.4205	3512.8
#3	3037.1	41817.	3950.4	8.5523	3506.8

Sample Name: LR CHRCK 1 Acquired: 1/24/2019 15:33:05 Type: Unk
Method: P4-ICP2(v2778) 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	.03460	-.03747	.01296	-.13397	.03299	2101.3	-.00303	.00666
Stddev	.00287	.00651	.01304	.01678	.01058	15.1	.00804	.00019
%RSD	8.2945	17.378	100.59	12.526	32.063	.71782	265.87	2.7992

#1	.03692	-.03110	-.00115	-.11464	.02534	2084.4	.00279	.00688
#2	.03139	-.03720	.01548	-.14475	.02858	2106.3	-.01220	.00658
#3	.03549	-.04412	.02456	-.14252	.04506	2113.3	.00034	.00654

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03031	1907.1	.01290	.04614	.41507	823.50	-.00078	1946.2
Stddev	.00722	11.9	.00133	.00024	.01363	65.42	.00011	1.5
%RSD	23.805	.62171	10.289	.51352	3.2832	7.9436	14.601	.07480

#1	.02202	1901.7	.01137	.04640	.39939	898.75	-.00077	1947.3
#2	.03515	1920.7	.01363	.04594	.42402	780.25	-.00090	1944.6
#3	.03377	1899.0	.01370	.04607	.42181	791.49	-.00067	1946.8

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07182	-.04580	1863.0	.00713	.02366	1051.5	-.00057	-.24828
Stddev	.00149	.00916	31.6	.00060	.00168	8.3	.00129	.09675
%RSD	2.0690	19.996	1.6952	8.4034	7.0987	.78834	226.04	38.969

#1	.07350	-.03534	1887.0	.00665	.02557	1057.1	-.00065	-.13678
#2	.07129	-.05236	1874.8	.00780	.02302	1055.4	-.00182	-.31007
#3	.07067	-.04970	1827.2	.00695	.02240	1042.0	.00076	-.29798

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0561	-.00185	.07906	-.09130	.16394	.0578	-.88816	5.9804
Stddev	.2907	.00039	.00108	.00355	.00185	.0065	.07187	.1310
%RSD	27.522	20.977	1.3673	3.8844	1.1278	11.31	8.0922	2.1901

#1	.81720	-.00141	.07938	-.09016	.16184	.0650	-.97082	5.9032
#2	.97129	-.00215	.07786	-.08846	.16534	.0565	-.84042	5.9063
#3	1.3797	-.00199	.07995	-.09527	.16463	.0521	-.85324	6.1316

Sample Name: LR CHRCK 1 Acquired: 1/24/2019 15:33:05 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	1014.6
Stddev	3.9
%RSD	.38892

#1	1010.2
#2	1015.8
#3	1017.8

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2369.6	32330.	3490.4	10.495	2003.5
Stddev	5.3	26.	6.4	.777	6.9
%RSD	.22414	.07901	.18356	7.4000	.34382

#1	2365.5	32333.	3496.4	9.6004	1996.5
#2	2375.6	32355.	3483.6	10.996	2010.2
#3	2367.6	32304.	3491.2	10.889	2003.9

Sample Name: LR CHRCK 2 Acquired: 1/24/2019 15:38:01 Type: Unk
Method: P4-ICP2(v2778) 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	.00621	-.01637	250.23	.03366	-.03276	125.81	100.84	-.00088
Stddev	.00346	.00336	9.02	.00199	.00308	.36	.18	.00005
%RSD	55.760	20.500	3.6047	5.9136	9.3931	.28869	.17508	5.5653

#1	.01020	-.01991	259.92	.03207	-.03603	126.18	101.03	-.00093
#2	.00436	-.01324	248.71	.03301	-.02992	125.45	100.81	-.00084
#3	.00406	-.01594	242.07	.03589	-.03232	125.79	100.68	-.00087

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01474	150.35	-.12997	.00560	225.32	119.53	44.084	146.04
Stddev	.00083	.07	.00463	.00031	8.72	6.99	.109	.12
%RSD	5.6372	.04638	3.5660	5.5229	3.8706	5.8477	.24641	.08245

#1	-.01569	150.40	-.13497	.00595	234.35	127.55	44.173	145.97
#2	-.01435	150.39	-.12914	.00547	224.67	116.22	44.117	146.17
#3	-.01418	150.27	-.12581	.00538	216.94	114.80	43.963	145.96

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.195	.01373	156.83	-.01286	33.401	67.202	-.00197	.07690
Stddev	1.824	.00028	.23	.00089	1.605	.154	.00028	.01410
%RSD	3.7080	2.0740	.14762	6.9303	4.8039	.22885	14.426	18.331

#1	51.147	.01401	157.02	-.01193	35.244	67.373	-.00171	.08799
#2	48.904	.01344	156.57	-.01296	32.647	67.158	-.00192	.08168
#3	47.533	.01374	156.90	-.01370	32.313	67.075	-.00227	.06104

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50486	.13020	.00882	.00834	.02270	-2.858	-.12779	4.9530
Stddev	.06369	.00237	.00070	.00282	.00272	.125	.00776	.0884
%RSD	12.615	1.8166	7.9154	33.851	11.963	4.358	6.0689	1.7844

#1	.57760	.12851	.00910	.01093	.02452	-2.994	-.13670	5.0191
#2	.47792	.13290	.00802	.00876	.02400	-2.828	-.12418	4.8526
#3	.45907	.12918	.00933	.00533	.01958	-2.750	-.12251	4.9872

Sample Name: LR CHRCK 2 Acquired: 1/24/2019 15:38:01 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg 74.063
 Stddev .590
 %RSD .79682

#1 73.413
 #2 74.566
 #3 74.209

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3036.5	41665.	3902.5	7.1657	3129.0
Stddev	94.8	133.	4.4	.3931	91.3
%RSD	3.1214	.31868	.11341	5.4864	2.9180

#1	2937.9	41523.	3897.8	6.7138	3030.8
#2	3044.7	41786.	3903.1	7.3543	3145.0
#3	3126.9	41685.	3906.6	7.4291	3211.3

Sample Name: K1193-01 Acquired: 1/24/2019 15:42:35 Type: Unk
Method: P4-ICP2(v2778) 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	.00088	.00037	.00480	-.00013	-.00033	.05631	.00666	.00005
Stddev	.00021	.00073	.00043	.00342	.00017	.00814	.00222	.00001
%RSD	24.279	195.57	8.9881	2554.3	51.563	14.455	33.340	21.869
#1	.00101	.00089	.00456	.00376	-.00042	.05877	.00903	.00004
#2	.00099	-.00046	.00454	-.00264	-.00014	.04723	.00462	.00006
#3	.00063	.00069	.00529	-.00152	-.00045	.06294	.00633	.00004
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.42740	.00069	-.00011	.00717	.02307	.00261	.08559
Stddev	.00003	.01836	.00008	.00004	.00031	.00948	.00005	.01489
%RSD	16.009	4.2961	11.964	33.375	4.3941	41.094	1.7959	17.391
#1	.00017	.42895	.00060	-.00007	.00683	.01326	.00259	.06947
#2	.00023	.40832	.00070	-.00013	.00721	.03218	.00267	.08848
#3	.00021	.44494	.00077	-.00014	.00746	.02375	.00258	.09882
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00157	.00059	.35227	-.00005	.12274	.24763	-.00027	.26137
Stddev	.00027	.00034	.00691	.00033	.01179	.01659	.00009	.00734
%RSD	17.155	57.658	1.9619	723.54	9.6051	6.7004	34.125	2.8101
#1	.00135	.00061	.36024	.00004	.11097	.23777	-.00017	.25567
#2	.00187	.00024	.34843	-.00041	.13454	.23834	-.00032	.25879
#3	.00149	.00092	.34813	.00023	.12271	.26679	-.00033	.26966
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07278	F 10.101	.00018	.00547	-.00406	.0111	.00146	2.2187
Stddev	.01967	.095	.00051	.00050	.00243	.0014	.00007	.0767
%RSD	27.030	.93855	285.78	9.0919	59.785	12.70	4.8176	3.4591
#1	.08022	10.158	.00007	.00588	-.00448	.0124	.00154	2.2002
#2	.08764	10.154	-.00026	.00562	-.00145	.0096	.00140	2.1529
#3	.05047	9.9919	.00073	.00492	-.00625	.0112	.00143	2.3030

Sample Name: K1193-01 Acquired: 1/24/2019 15:42:35 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	<.00000
Stddev	.13515
%RSD	80.373

#1	-.31890
#2	-.05783
#3	-.12773

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3432.8	48084.	4133.4	10.012	4336.6
Stddev	3.8	101.	26.8	.966	4.3
%RSD	.11171	.21088	.64880	9.6528	.09918

#1	3429.9	48137.	4112.2	11.025	4338.2
#2	3437.1	48148.	4124.6	9.1000	4340.0
#3	3431.4	47967.	4163.6	9.9114	4331.8

Sample Name: K1193-01DUP Acquired: 1/24/2019 15:47:01 Type: Unk
Method: P4-ICP2(v2778) 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	.00204	.00136	.00439	.00030	.00109	.05582	.00995	.00008
Stddev	.00234	.00157	.00068	.00217	.00044	.00686	.00092	.00005
%RSD	114.46	115.98	15.433	731.10	40.571	12.285	9.2812	66.315
#1	.00103	-.00019	.00476	.00012	.00115	.05535	.01017	.00009
#2	.00038	.00296	.00481	.00255	.00063	.04921	.01074	.00012
#3	.00471	.00130	.00361	-.00178	.00151	.06291	.00893	.00002
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.42098	.00102	-.00010	.00679	.03026	.00257	.12557
Stddev	.00003	.00554	.00046	.00010	.00021	.04027	.00008	.02695
%RSD	19.388	1.3152	45.251	99.173	3.1099	133.10	2.9383	21.458
#1	.00011	.41473	.00151	-.00019	.00657	.00893	.00262	.14497
#2	.00016	.42295	.00095	.00001	.00682	.00513	.00262	.09481
#3	.00012	.42526	.00059	-.00012	.00698	.07671	.00249	.13694
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00145	.00053	.27702	-.00034	.12353	.19220	-.00007	.26607
Stddev	.00019	.00024	.00657	.00029	.00374	.00265	.00021	.00597
%RSD	13.285	44.606	2.3719	85.225	3.0282	1.3793	306.35	2.2424
#1	.00128	.00077	.28292	-.00068	.12138	.18921	.00001	.27038
#2	.00166	.00030	.27819	-.00012	.12136	.19312	.00009	.25926
#3	.00141	.00051	.26994	-.00023	.12785	.19427	-.00030	.26857
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08215	F 10.181	.00061	.00520	-.00432	.0103	.00140	2.4205
Stddev	.03662	.082	.00052	.00195	.00139	.0014	.00016	.0236
%RSD	44.575	.80226	84.934	37.475	32.125	13.93	11.145	.97298
#1	.05065	10.273	.00026	.00644	-.00435	.0099	.00145	2.4442
#2	.07348	10.152	.00037	.00296	-.00569	.0119	.00152	2.4203
#3	.12233	10.118	.00120	.00621	-.00292	.0091	.00122	2.3971

Sample Name: K1193-01DUP Acquired: 1/24/2019 15:47:01 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg .13207
Stddev .41437
%RSD 313.75

#1 -.24695
#2 .06868
#3 .57449

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3400.9	47593.	4085.2	9.3129	4301.0
Stddev	2.1	80.	27.2	.2543	5.6
%RSD	.06223	.16844	.66508	2.7302	.13082

#1	3403.3	47662.	4062.0	9.4364	4306.6
#2	3400.1	47505.	4078.4	9.4818	4301.0
#3	3399.2	47611.	4115.1	9.0205	4295.3

Sample Name: K1193-01LX5 Acquired: 1/24/2019 15:51:30 Type: Unk
Method: P4-ICP2(v2778) 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	.00194	.00096	.00265	-.00076	.00161	.01009	.01086	.00006
Stddev	.00188	.00065	.00071	.00289	.00070	.00331	.00109	.00006
%RSD	96.842	68.010	26.675	379.79	43.299	32.789	9.9973	97.735

#1	.00066	.00082	.00199	-.00301	.00096	.01390	.01150	.00011
#2	.00106	.00167	.00340	.00249	.00234	.00791	.01148	.00008
#3	.00409	.00039	.00258	-.00176	.00153	.00846	.00961	-.00001

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.09055	-.00002	-.00018	.00149	.03677	.00056	.04353
Stddev	.00005	.01830	.00025	.00010	.00019	.03947	.00004	.04343
%RSD	53.197	20.206	1000.5	56.416	12.748	107.33	7.8589	99.770

#1	.00011	.11163	-.00011	-.00022	.00165	.07391	.00060	.05452
#2	.00012	.08135	.00025	-.00026	.00128	.04106	.00057	.08040
#3	.00003	.07869	-.00022	-.00006	.00153	-.00467	.00051	-.00434

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	.00080	.35159	-.00024	.02506	.30823	-.00008	.05016
Stddev	.00031	.00019	.00333	.00013	.00315	.02148	.00021	.00511
%RSD	6334.1	23.596	.94761	53.916	12.589	6.9674	263.81	10.177

#1	.00000	.00069	.35421	-.00009	.02869	.32073	.00002	.04427
#2	.00030	.00101	.34784	-.00033	.02299	.32053	-.00033	.05319
#3	-.00032	.00068	.35273	-.00030	.02350	.28343	.00007	.05303

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05318	2.0321	-.00005	.00723	.00176	.0009	.00029	2.8618
Stddev	.03369	.0021	.00048	.00366	.00213	.0010	.00007	.1100
%RSD	63.350	.10513	967.61	50.618	121.19	108.7	25.974	3.8425

#1	.04843	2.0326	.00042	.00468	-.00021	.0008	.00023	2.7429
#2	.02212	2.0298	-.00054	.01143	.00402	-.0000	.00026	2.9599
#3	.08899	2.0340	-.00003	.00560	.00146	.0019	.00037	2.8825

Sample Name: K1193-01LX5 Acquired: 1/24/2019 15:51:30 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg .04163
Stddev .18965
%RSD 455.60

#1 -.04646
#2 .25930
#3 -.08797

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3312.5	45794.	3951.7	9.1174	4102.0
Stddev	8.3	24.	14.1	.9618	6.9
%RSD	.25064	.05287	.35663	10.549	.16757

#1	3310.1	45768.	3952.0	8.0114	4106.6
#2	3305.7	45816.	3937.5	9.7568	4105.3
#3	3321.8	45796.	3965.6	9.5841	4094.1

Sample Name: K1193-01MS Acquired: 1/24/2019 15:56:00 Type: Unk
Method: P4-ICP2(v2778) 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	.82531	2.1753	1.0453	2.0990	.88861	2.2323	.23961	.22028
Stddev	.00569	.0039	.0010	.0084	.00162	.0127	.00548	.00073
%RSD	.68922	.17800	.09882	.40163	.18253	.57061	2.2869	.33005
#1	.83114	2.1793	1.0460	2.0992	.89025	2.2384	.23438	.22098
#2	.82500	2.1716	1.0456	2.1074	.88700	2.2176	.23913	.22034
#3	.81978	2.1748	1.0441	2.0905	.88859	2.2408	.24531	.21953
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20665	1.5786	.46098	.21382	.35539	3.0864	.23820	2.5214
Stddev	.00037	.0012	.00103	.00083	.00127	.2880	.00069	.1312
%RSD	.18103	.07426	.22435	.38838	.35717	9.3316	.29028	5.2034
#1	.20705	1.5776	.46193	.21333	.35685	2.7591	.23900	2.6656
#2	.20631	1.5783	.45988	.21335	.35459	3.3013	.23787	2.4091
#3	.20659	1.5799	.46113	.21478	.35473	3.1987	.23774	2.4894
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.53230	.08069	3.5347	.33035	.30318	11.142	.44849	.59634
Stddev	.00033	.00050	.0128	.00080	.02925	.036	.00176	.00256
%RSD	.06162	.62089	.36143	.24190	9.6487	.32284	.39303	.43011
#1	.53268	.08013	3.5216	.33127	.27085	11.177	.45053	.59597
#2	.53215	.08084	3.5471	.32998	.32782	11.143	.44756	.59397
#3	.53208	.08109	3.5354	.32981	.31086	11.105	.44739	.59907
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08279	F 11.640	.73593	.22681	.21615	5.712	.22609	2.7985
Stddev	.01070	.072	.00129	.00215	.00121	.019	.00018	.1278
%RSD	12.928	.61692	.17578	.94908	.56125	.3275	.07850	4.5662
#1	.08769	11.653	.73726	.22517	.21476	5.732	.22607	2.8402
#2	.07051	11.704	.73468	.22600	.21669	5.694	.22627	2.6551
#3	.09016	11.562	.73584	.22925	.21700	5.711	.22592	2.9003

Sample Name: K1193-01MS Acquired: 1/24/2019 15:56:00 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	9.1130
Stddev	.2589
%RSD	2.8414

#1	8.8254
#2	9.1861
#3	9.3275

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3333.1	46316.	3914.4	9.6417	4048.6
Stddev	11.5	77.	9.4	.9721	8.3
%RSD	.34399	.16707	.24128	10.082	.20549

#1	3336.6	46269.	3906.4	10.725	4056.8
#2	3320.3	46405.	3912.1	8.8455	4040.2
#3	3342.3	46273.	3924.8	9.3545	4048.8

Sample Name: K1193-01MSD Acquired: 1/24/2019 16:00:11 Type: Unk
Method: P4-ICP2(v2778) 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	.81822	2.1575	1.0442	2.0771	.87933	2.2271	.24679	.22008
Stddev	.00269	.0056	.0016	.0032	.00158	.0111	.00215	.00024
%RSD	.32837	.26136	.15024	.15259	.17945	.49780	.87105	.11092
#1	.81527	2.1533	1.0440	2.0800	.87851	2.2144	.24926	.22033
#2	.81884	2.1640	1.0459	2.0774	.88115	2.2323	.24570	.21984
#3	.82054	2.1553	1.0428	2.0737	.87833	2.2347	.24540	.22007
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20683	1.6008	.46174	.21307	.35360	3.3543	.23825	2.5470
Stddev	.00029	.0097	.00056	.00083	.00033	.2556	.00068	.0694
%RSD	.13811	.60356	.12097	.38902	.09324	7.6190	.28584	2.7245
#1	.20699	1.5993	.46238	.21276	.35322	3.0931	.23896	2.5183
#2	.20699	1.6111	.46149	.21400	.35372	3.6038	.23760	2.6261
#3	.20650	1.5919	.46134	.21243	.35384	3.3658	.23818	2.4966
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.53278	.08086	3.5181	.33031	.32504	11.136	.44668	.60490
Stddev	.00110	.00031	.0060	.00108	.02145	.011	.00144	.00268
%RSD	.20567	.38539	.17191	.32695	6.5984	.10101	.32265	.44348
#1	.53155	.08102	3.5118	.33146	.30681	11.129	.44520	.60396
#2	.53363	.08050	3.5239	.32933	.34867	11.149	.44677	.60282
#3	.53317	.08106	3.5185	.33013	.31962	11.131	.44808	.60793
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11861	F 11.535	.73530	.22533	.21286	5.692	.22511	3.2626
Stddev	.02222	.085	.00152	.00620	.00375	.007	.00056	.0531
%RSD	18.733	.73565	.20690	2.7494	1.7627	.1225	.25030	1.6261
#1	.11200	11.592	.73569	.21969	.20853	5.690	.22455	3.2013
#2	.14338	11.575	.73362	.23196	.21490	5.700	.22567	3.2924
#3	.10044	11.437	.73659	.22435	.21515	5.686	.22512	3.2940

Sample Name: K1193-01MSD Acquired: 1/24/2019 16:00:11 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg 8.0832
Stddev .4667
%RSD 5.7741

#1 7.7802
#2 7.8487
#3 8.6207

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3284.0	45417.	3844.7	8.7879	3976.8
Stddev	11.8	132.	19.7	.5713	9.9
%RSD	.35881	.29019	.51209	6.5008	.25011

#1	3297.0	45309.	3826.0	9.2977	3988.2
#2	3280.8	45564.	3842.9	8.1705	3969.9
#3	3274.0	45379.	3865.2	8.8955	3972.3

Sample Name: K1193-01A Acquired: 1/24/2019 16:04:22 Type: Unk
Method: P4-ICP2(v2778) 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	.81903	2.1729	1.0461	2.0653	.87865	2.2253	.25402	.22171
Stddev	.00201	.0127	.0042	.0070	.00154	.0087	.00437	.00065
%RSD	.24568	.58566	.40036	.33711	.17583	.39296	1.7218	.29340
#1	.81683	2.1589	1.0418	2.0733	.87876	2.2231	.25078	.22199
#2	.82078	2.1838	1.0462	2.0606	.88013	2.2349	.25230	.22097
#3	.81947	2.1759	1.0502	2.0620	.87705	2.2179	.25900	.22218
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20743	1.6258	.46755	.21339	.35352	3.3533	.24084	2.6191
Stddev	.00078	.0257	.00096	.00086	.00069	.2912	.00034	.0310
%RSD	.37815	1.5790	.20447	.40425	.19565	8.6830	.14001	1.1852
#1	.20657	1.6307	.46798	.21239	.35303	3.5825	.24057	2.5868
#2	.20810	1.5981	.46822	.21388	.35431	3.0257	.24073	2.6487
#3	.20761	1.6487	.46646	.21390	.35322	3.4518	.24122	2.6220
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.53349	.08104	3.4988	.33090	.32810	11.173	.44745	.59978
Stddev	.00328	.00049	.0072	.00137	.03092	.056	.00028	.00909
%RSD	.61397	.59863	.20503	.41501	9.4254	.50214	.06224	1.5161
#1	.52972	.08156	3.4945	.33118	.34937	11.168	.44760	.60552
#2	.53524	.08061	3.4949	.32941	.29263	11.119	.44762	.58930
#3	.53553	.08094	3.5071	.33211	.34231	11.231	.44713	.60453
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09389	F 11.756	.73987	.22662	.21399	5.688	.22670	3.7259
Stddev	.02011	.067	.00185	.00271	.00162	.021	.00125	.0921
%RSD	21.413	.57237	.25022	1.1976	.75742	.3751	.55067	2.4730
#1	.10779	11.732	.73796	.22442	.21536	5.664	.22552	3.7937
#2	.07084	11.703	.74166	.22577	.21442	5.693	.22658	3.6210
#3	.10305	11.832	.73998	.22965	.21220	5.706	.22801	3.7629

Sample Name: K1193-01A Acquired: 1/24/2019 16:04:22 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	8.3592
Stddev	.4577
%RSD	5.4749

#1	7.9190
#2	8.3260
#3	8.8325

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3275.4	44589.	3727.9	8.7015	3965.5
Stddev	5.5	63.	23.2	.8415	21.8
%RSD	.16832	.14151	.62158	9.6702	.55070

#1	3281.7	44582.	3744.8	8.1545	3990.7
#2	3272.4	44655.	3737.3	9.6705	3952.0
#3	3272.0	44529.	3701.5	8.2795	3953.7

Sample Name: CCV04 Acquired: 1/24/2019 16:08:30 Type: Unk
Method: P4-ICP2(v2778) 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	5.0946	5.3401	5.2401	5.1740	5.2839	10.517	10.440	.26736
Stddev	.0095	.0125	.0015	.0075	.0122	.059	.051	.00048
%RSD	.18719	.23476	.02853	.14492	.23016	.56043	.48900	.17999
#1	5.1056	5.3340	5.2414	5.1825	5.2938	10.553	10.382	.26688
#2	5.0891	5.3545	5.2385	5.1708	5.2876	10.449	10.476	.26737
#3	5.0891	5.3317	5.2406	5.1686	5.2703	10.549	10.463	.26784
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6434	27.003	1.0855	2.6382	1.3114	4.9728	2.7213	25.928
Stddev	.0039	.107	.0037	.0077	.0013	.6945	.0032	.273
%RSD	.14687	.39765	.34559	.29158	.09900	13.966	.11566	1.0521
#1	2.6435	26.891	1.0895	2.6356	1.3128	4.8091	2.7177	25.632
#2	2.6472	27.104	1.0821	2.6468	1.3113	4.3749	2.7227	26.169
#3	2.6395	27.015	1.0849	2.6321	1.3102	5.7346	2.7235	25.983
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6188	1.3142	25.422	2.6030	2.5150	25.813	5.1525	5.1786
Stddev	.0042	.0069	.135	.0072	.3164	.138	.0030	.0274
%RSD	.16184	.52263	.53209	.27670	12.578	.53366	.05805	.52973
#1	2.6220	1.3221	25.268	2.5951	2.4600	25.654	5.1542	5.1472
#2	2.6204	1.3101	25.475	2.6046	2.2299	25.902	5.1543	5.1980
#3	2.6140	1.3103	25.522	2.6092	2.8553	25.882	5.1491	5.1907
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.3908	5.2550	5.1944	5.1452	5.2124	5.245	5.4183	5.3262
Stddev	.0281	.0239	.0045	.0134	.0264	.014	.0259	.1138
%RSD	.52120	.45516	.08718	.26050	.50708	.2578	.47782	2.1362
#1	5.4147	5.2292	5.1893	5.1307	5.1892	5.254	5.3919	5.4573
#2	5.3980	5.2764	5.1978	5.1571	5.2412	5.250	5.4436	5.2534
#3	5.3599	5.2595	5.1962	5.1479	5.2067	5.229	5.4194	5.2679

Sample Name: CCV04 Acquired: 1/24/2019 16:08:30 Type: Unk
Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 2.4157
Stddev .2998
%RSD 12.412

#1 2.2485
#2 2.7619
#3 2.2368

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3052.1	40795.	3575.1	8.4604	3406.7
Stddev	16.0	148.	14.2	1.0163	19.3
%RSD	.52453	.36259	.39859	12.013	.56783

#1	3036.9	40625.	3584.1	8.5244	3389.9
#2	3050.6	40868.	3558.6	9.4432	3402.4
#3	3068.8	40892.	3582.4	7.4136	3427.9

Sample Name: CCB04 Acquired: 1/24/2019 16:12:30 Type: Unk
Method: P4-ICP2(v2778) 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	.00200	.00169	.00240	-.00235	.00144	.00014	.02531	.00007
Stddev	.00132	.00073	.00088	.00114	.00066	.01002	.00495	.00006
%RSD	65.688	42.977	36.508	48.496	45.755	7129.8	19.549	75.400
#1	.00058	.00214	.00177	-.00235	.00078	-.00972	.02225	.00012
#2	.00317	.00085	.00340	-.00122	.00210	.01032	.02266	.00009
#3	.00226	.00207	.00202	-.00350	.00145	-.00018	.03101	.00001
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	.00789	.00002	-.00016	.00017	.04721	.00002	.02955
Stddev	.00005	.01118	.00015	.00013	.00046	.02462	.00010	.03308
%RSD	129.43	141.80	746.16	78.257	278.49	52.158	501.53	111.94
#1	-.00008	.00248	.00003	-.00024	.00053	.04975	.00004	.02850
#2	-.00007	.00044	.00016	-.00023	-.00035	.02141	.00011	-.00299
#3	.00002	.02075	-.00013	-.00002	.00032	.07046	-.00009	.06314
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00058	.00091	.10789	-.00001	-.00012	.19667	.00008	.00697
Stddev	.00027	.00014	.00525	.00029	.00024	.03742	.00012	.00573
%RSD	46.785	14.843	4.8679	2253.2	191.95	19.028	158.82	82.315
#1	-.00058	.00101	.11053	.00006	-.00039	.15900	.00010	.00491
#2	-.00031	.00097	.10184	.00024	-.00001	.19718	.00018	.01344
#3	-.00085	.00076	.11130	-.00034	.00003	.23384	-.00006	.00254
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .03297	.01090	.00070	.00423	.00075	-.0022	.00001	3.8592
Stddev	.02030	.00159	.00030	.00312	.00051	.0003	.00002	.1480
%RSD	61.553	14.609	42.895	73.776	68.530	13.48	276.36	3.8350
#1	.05514	.01250	.00043	.00676	.00061	-.0026	-.00001	3.7051
#2	.01530	.01088	.00102	.00074	.00132	-.0022	-.00000	4.0003
#3	.02847	.00932	.00065	.00519	.00032	-.0020	.00003	3.8722

Sample Name: CCB04 Acquired: 1/24/2019 16:12:30 Type: Unk
 Method: P4-ICP2(v2778) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	<.00000
Stddev	.25392
%RSD	196.89

#1	-.05342
#2	.07861
#3	-.41209

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3199.0	43592.	3678.7	8.3402	3972.1
Stddev	14.3	118.	24.5	1.6040	16.4
%RSD	.44811	.27138	.66722	19.232	.41197

#1	3185.3	43622.	3667.0	9.9182	3955.0
#2	3197.8	43462.	3706.9	8.3909	3973.8
#3	3213.9	43693.	3662.2	6.7114	3987.6