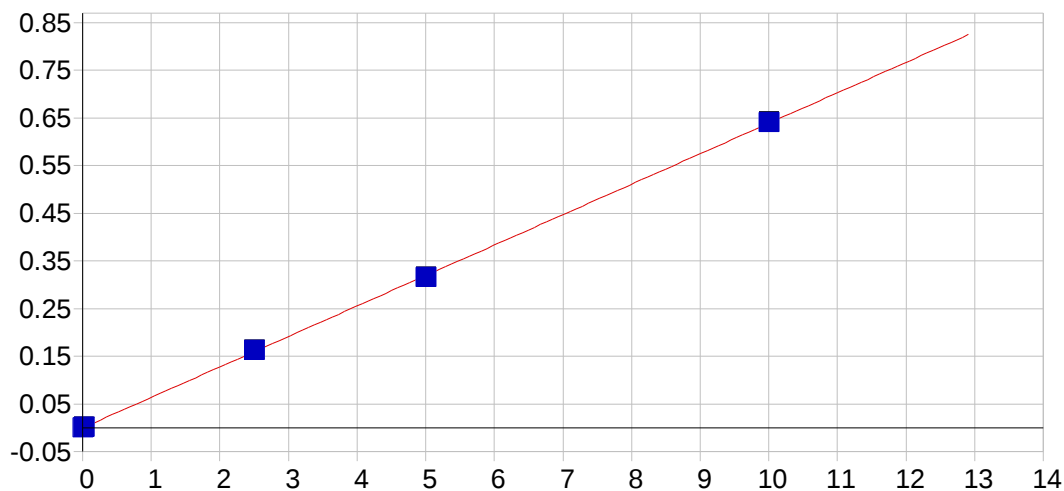


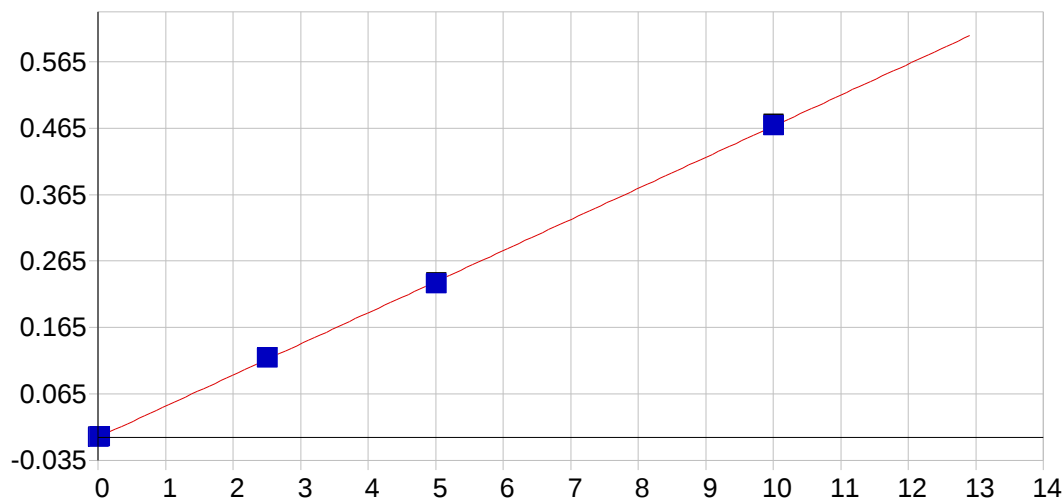


As 189.042 {478}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000275 Re-Slope: 1.000000
 A1 (Gain): 0.063919 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999948 Status: OK.
 Std Error of Est: 0.000016
 Predicted MDL: 0.002441
 Predicted MQL: 0.008136

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00027	.000	1
S1	.02000	.01845	-.002	-7.73	.00090	.000	1
S3	2.5000	2.5440	.044	1.76	.16232	.000	1
S4	5.0000	4.9344	-.066	-1.31	.31511	.000	1
S5	10.000	10.023	.023	.232	.64036	.002	1



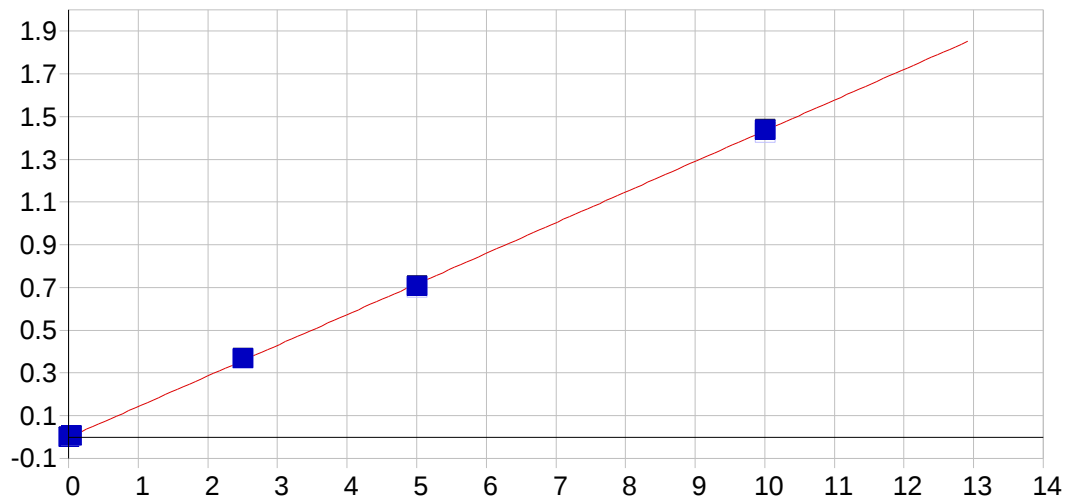
As 189.042 {479}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000116 Re-Slope: 1.000000

A1 (Gain): 0.046793 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999950 Status: OK.
 Std Error of Est: 0.000011
 Predicted MDL: 0.002201
 Predicted MQL: 0.007337

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00012	.000	1
S1	.02000	.01897	-.001	-5.16	.00077	.000	1
S3	2.5000	2.5426	.043	1.70	.11886	.000	1
S4	5.0000	4.9332	-.067	-1.34	.23073	.001	1
S5	10.000	10.025	.025	.253	.46900	.001	1

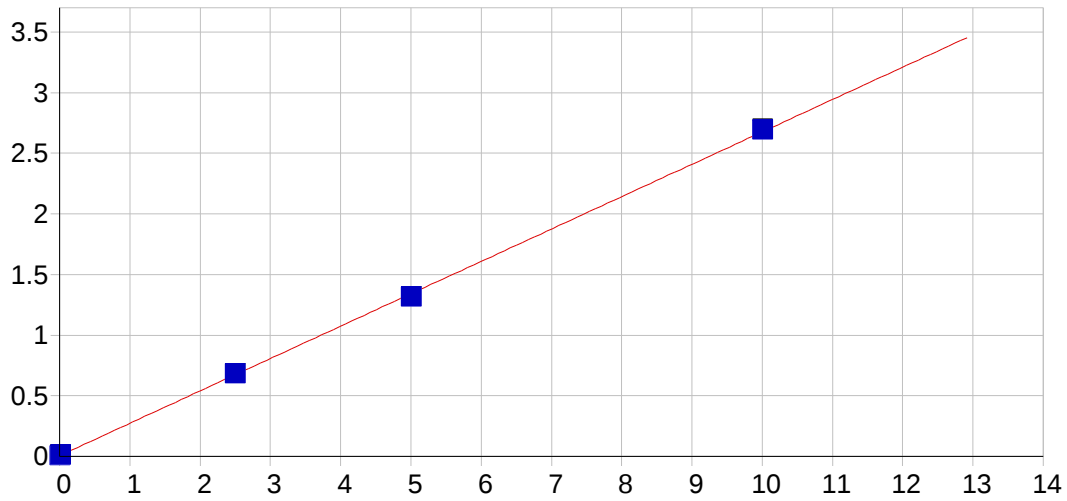


TI 190.856 {477}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000824 Re-Slope: 1.000000
 A1 (Gain): 0.143489 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999909 Status: OK.
 Std Error of Est: 0.000065
 Predicted MDL: 0.001034
 Predicted MQL: 0.003446

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00082	.000	1
S1	.04000	.03812	-.002	-4.71	.00450	.000	1
S3	2.5000	2.5658	.066	2.63	.36365	.001	1
S4	5.0000	4.9199	-.080	-1.60	.69777	.000	1
S5	10.000	10.016	.016	.162	1.4217	.004	1

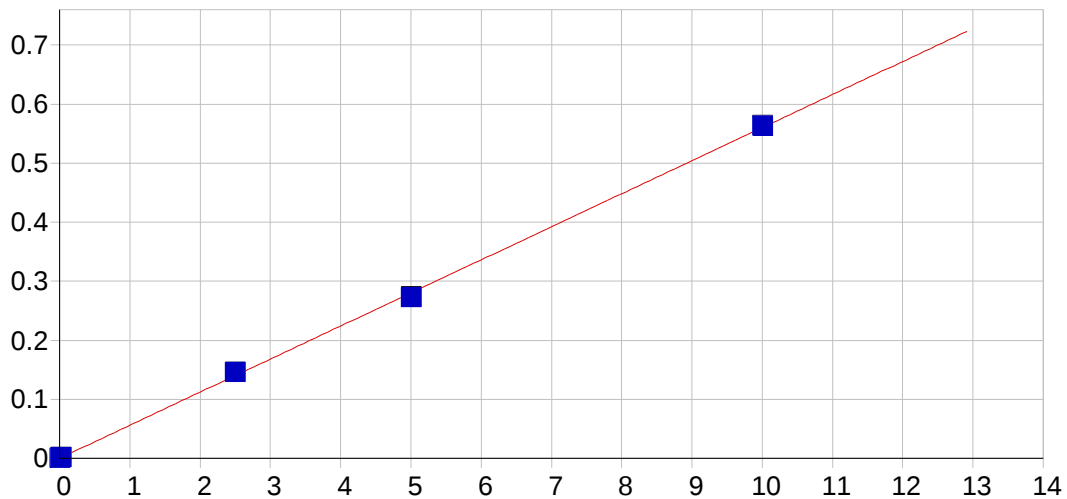


Pb 220.353 {453}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006022 Re-Slope: 1.000000
 A1 (Gain): 0.267007 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999927 Status: OK.
 Std Error of Est: 0.000060
 Predicted MDL: 0.000838
 Predicted MQL: 0.002793

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00602	.000	1
S1	.01200	.01220	.000	1.66	.00923	.000	1
S3	2.5000	2.5258	.026	1.03	.67972	.000	1
S4	5.0000	4.9053	-.095	-1.89	1.3143	.001	1
S5	10.000	10.069	.069	.688	2.6916	.004	1



Se 196.090 {472}

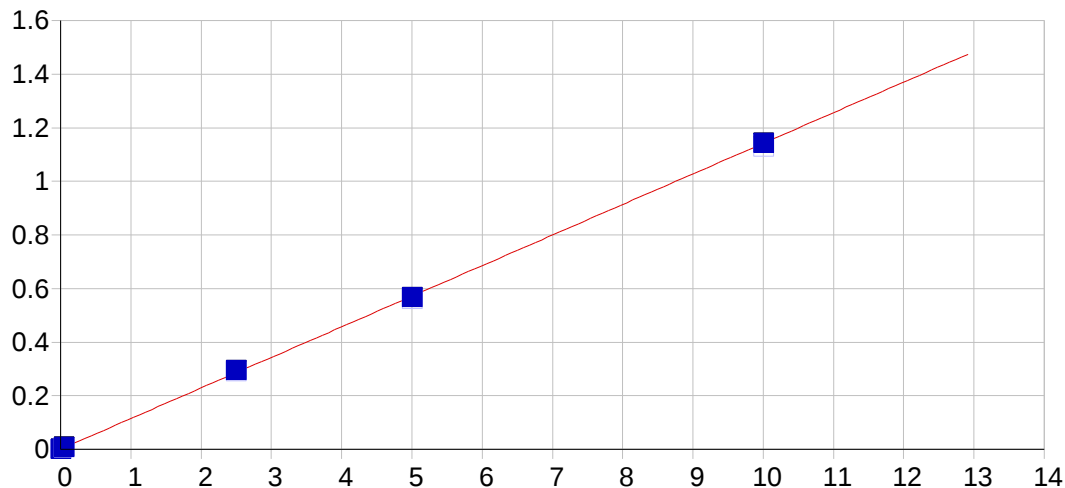
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000085 Re-Slope: 1.000000
 A1 (Gain): 0.056012 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999810
 Std Error of Est: 0.000026
 Predicted MDL: 0.002622
 Predicted MQL: 0.008739

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00009	.000	1
S1	.02000	.01933	-.001	-3.37	.00117	.000	1
S3	2.5000	2.5837	.084	3.35	.14477	.001	1
S4	5.0000	4.8665	-.134	-2.67	.27260	.000	1
S5	10.000	10.050	.050	.505	.56291	.000	1



Sb 206.833 {463}

Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

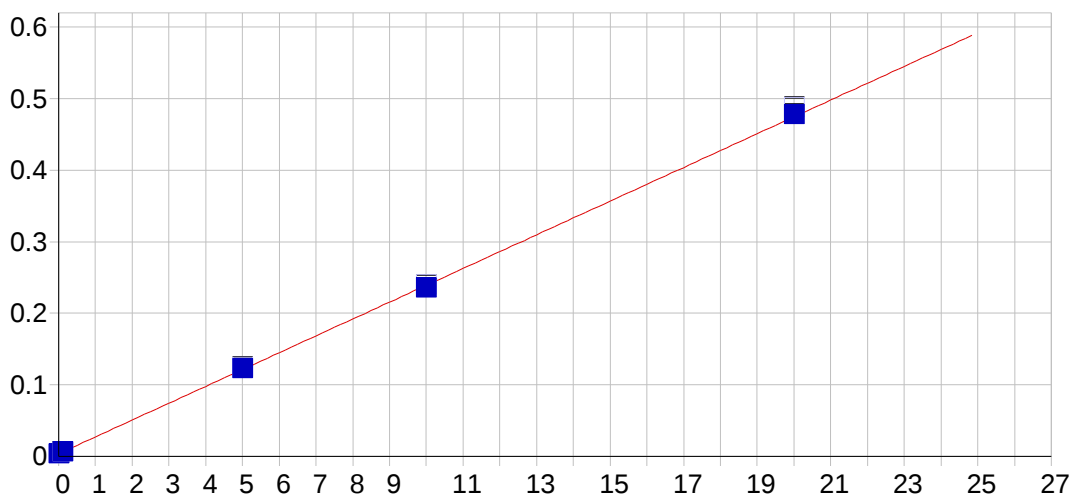
Weighting: 1/Conc

A0 (Offset): 0.000600
 A1 (Gain): 0.114123
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999944
 Std Error of Est: 0.000046
 Predicted MDL: 0.001517
 Predicted MQL: 0.005058

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	.00060	.000	1
S1	.05000	.04807	-.002	-3.87	.00594	.000	1
S3	2.5000	2.5585	.059	2.34	.28938	.001	1
S4	5.0000	4.9517	-.048	-9.66	.55929	.001	1
S5	10.000	9.9917	-.008	-.083	1.1281	.000	1

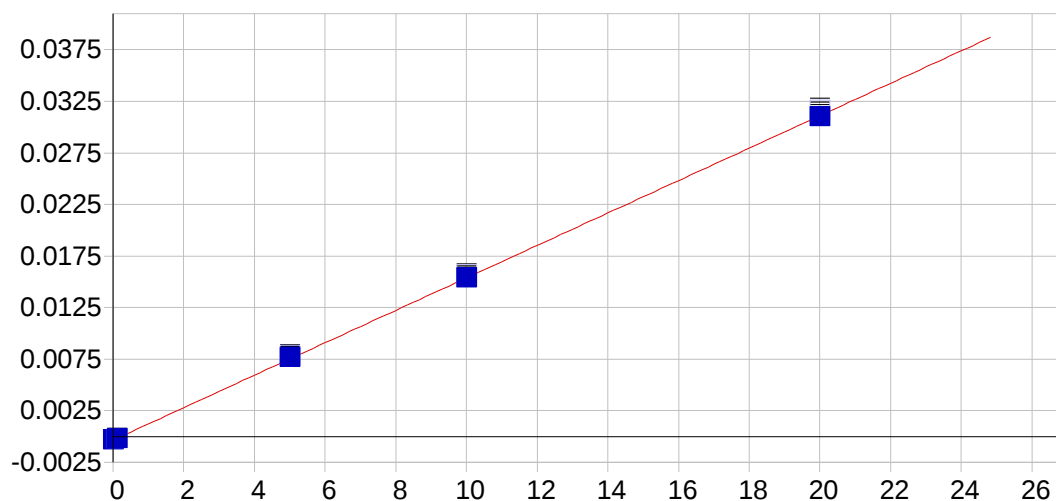


AI 308.215 {109}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003719 Re-Slope: 1.000000
 A1 (Gain): 0.023542 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999937 Status: OK.
 Std Error of Est: 0.000021
 Predicted MDL: 0.002586
 Predicted MQL: 0.008618

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00372	.000	1
S1	.10000	.09664	-.003	-3.36	.00616	.000	1
S3	5.0000	5.0391	.039	.783	.12470	.000	1
S4	10.000	9.8221	-.178	-1.78	.23964	.000	1
S5	20.000	20.142	.142	.711	.48729	.001	1



AI 309.271 {109}

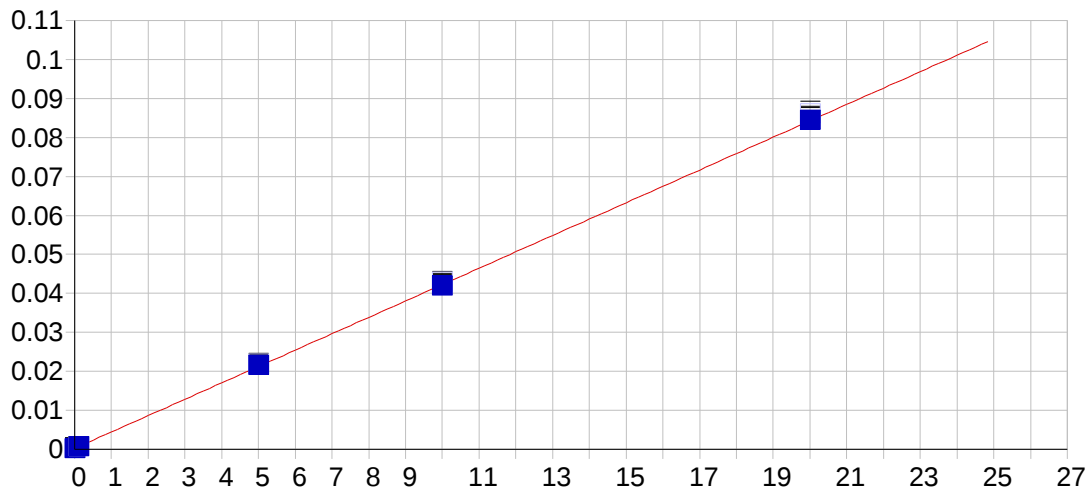
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000347 Re-Slope: 1.000000
 A1 (Gain): 0.001573 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999870
 Std Error of Est: 0.000002
 Predicted MDL: 0.026296
 Predicted MQL: 0.087654

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	-.00035	.000	1
S1	.10000	.07449	-.026	-25.5	-.00022	.000	1
S3	5.0000	5.1169	.117	2.34	.00786	.000	1
S4	10.000	9.9751	-.025	-.249	.01565	.000	1
S5	20.000	19.935	-.065	-.326	.03163	.000	1



Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

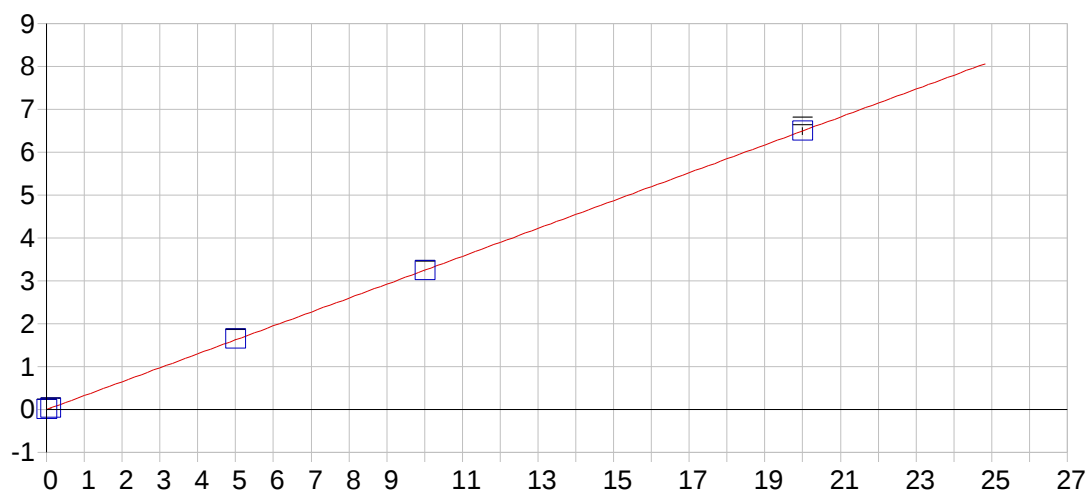
Weighting: 1/Conc

A0 (Offset): 0.000241
 A1 (Gain): 0.004201
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986
 Std Error of Est: 0.000002
 Predicted MDL: 0.014311
 Predicted MQL: 0.047705

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	.00024	.000	1
S1	.10000	.10126	.001	1.26	.00070	.000	1
S3	5.0000	5.0469	.047	.939	.02186	.000	1
S4	10.000	9.9257	-.074	-.743	.04278	.000	1
S5	20.000	20.026	.026	.130	.08604	.001	1

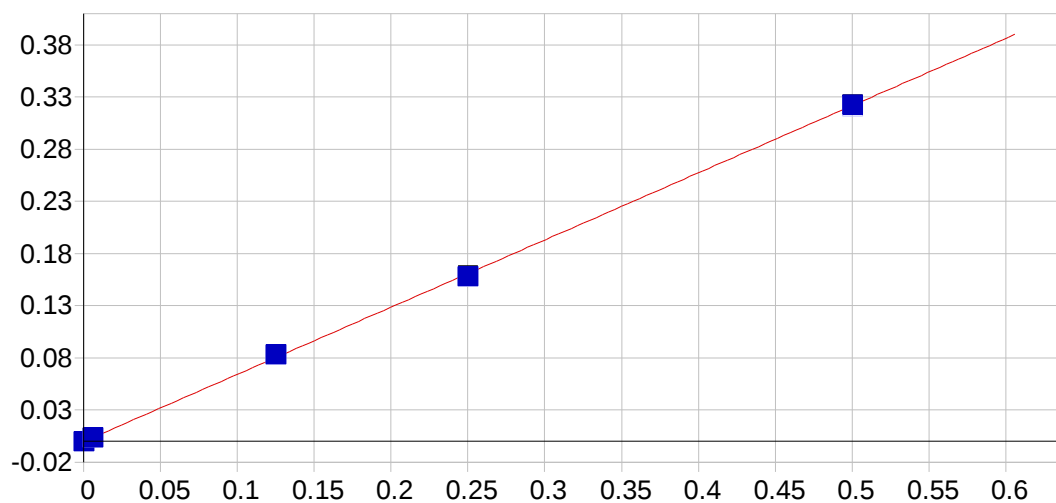


Ba 493.409 { 68}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000896 Re-Slope: 1.000000
 A1 (Gain): 0.324864 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999990 Status: OK.
 Std Error of Est: 0.000112
 Predicted MDL: 0.000460
 Predicted MQL: 0.001535

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00090	.000	1
S1	.10000	.10140	.001	1.40	.03205	.000	1
S3	5.0000	5.0491	.049	.982	1.6394	.006	1
S5	20.000	19.996	-.004	-.021	6.4950	.086	1
S4	10.000	9.9537	-.046	-.463	3.2327	.011	1



Be 234.861 {144}

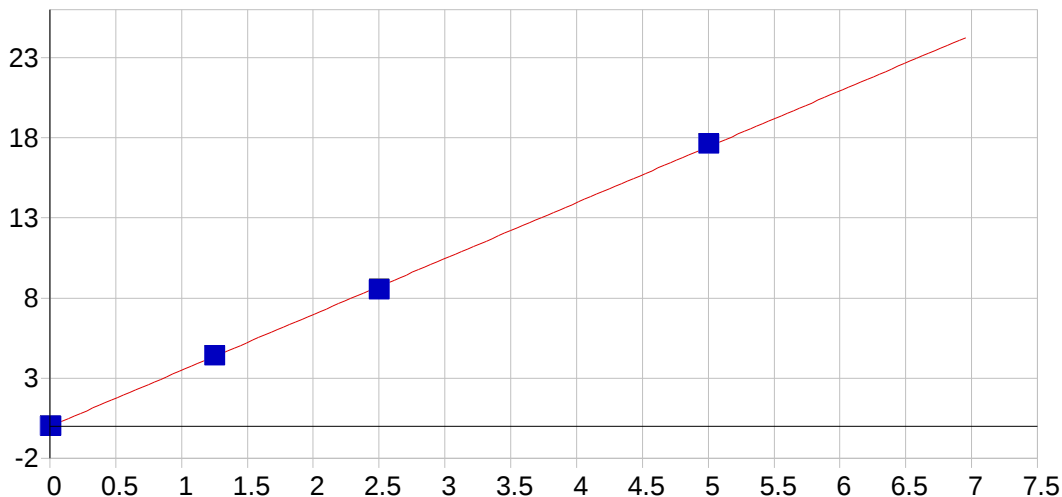
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000136 Re-Slope: 1.000000
 A1 (Gain): 0.643984 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999878
 Std Error of Est: 0.000030
 Predicted MDL: 0.000065
 Predicted MQL: 0.000216

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00014	.000	1
S1	.00600	.00574	-.000	-4.33	.00352	.000	1
S3	.12500	.12900	.004	3.20	.08243	.000	1
S4	.25000	.24574	-.004	-1.70	.15710	.000	1
S5	.50000	.50051	.001	.103	.32016	.000	1



Cd 226.502 {449}

Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

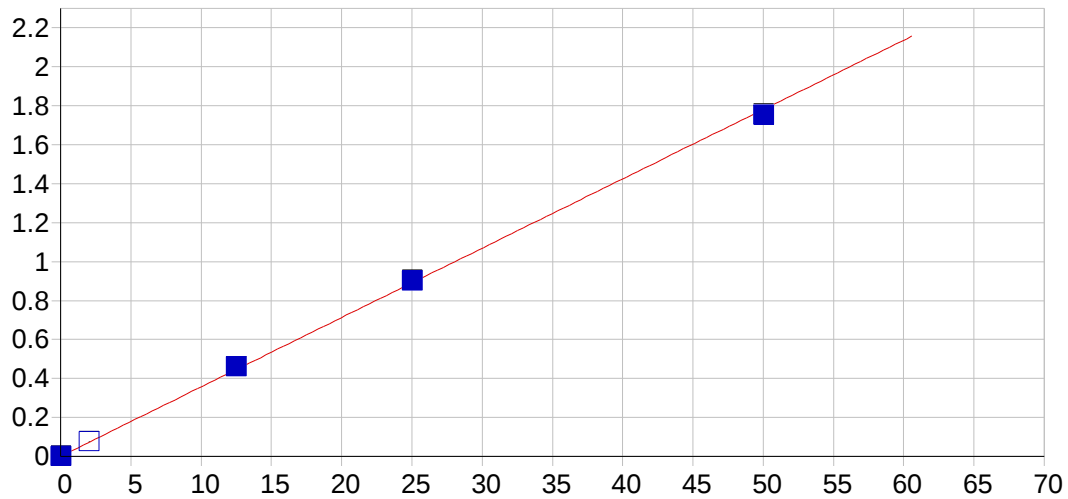
Weighting: 1/Conc

A0 (Offset): -0.002510
 A1 (Gain): 3.488912
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999896
 Std Error of Est: 0.000472
 Predicted MDL: 0.000074
 Predicted MQL: 0.000247

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	-.00251	.000	1
S1	.00600	.00550	-.001	-8.39	.01671	.000	1
S3	1.2500	1.2568	.007	.542	4.3833	.007	1
S4	2.5000	2.4440	-.056	-2.24	8.5263	.003	1
S5	5.0000	5.0497	.050	.995	17.620	.006	1

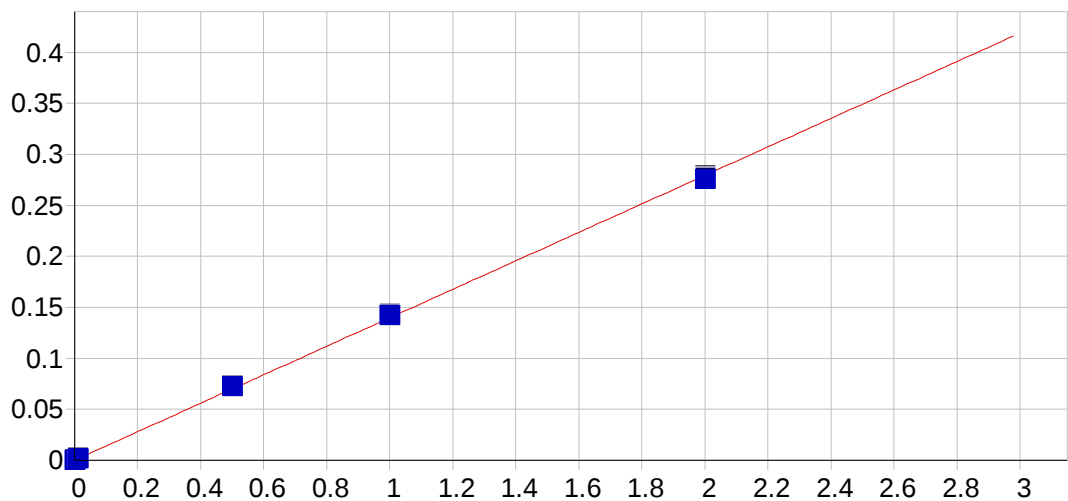


Ca 373.690 { 90}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000747 Re-Slope: 1.000000
 A1 (Gain): 0.035601 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999798 Status: OK.
 Std Error of Est: 0.000391
 Predicted MDL: 0.015452
 Predicted MQL: 0.051508

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.1213	.121	6.07	.07627	.001	1
S0	.00000	-.00018	-.000	.000	.00074	.000	1
S3	12.500	12.903	.403	3.22	.46035	.000	1
S4	25.000	25.276	.276	1.11	.90109	.001	1
S5	50.000	49.199	-.801	-1.60	1.7533	.003	1



Cr 267.716 {126}

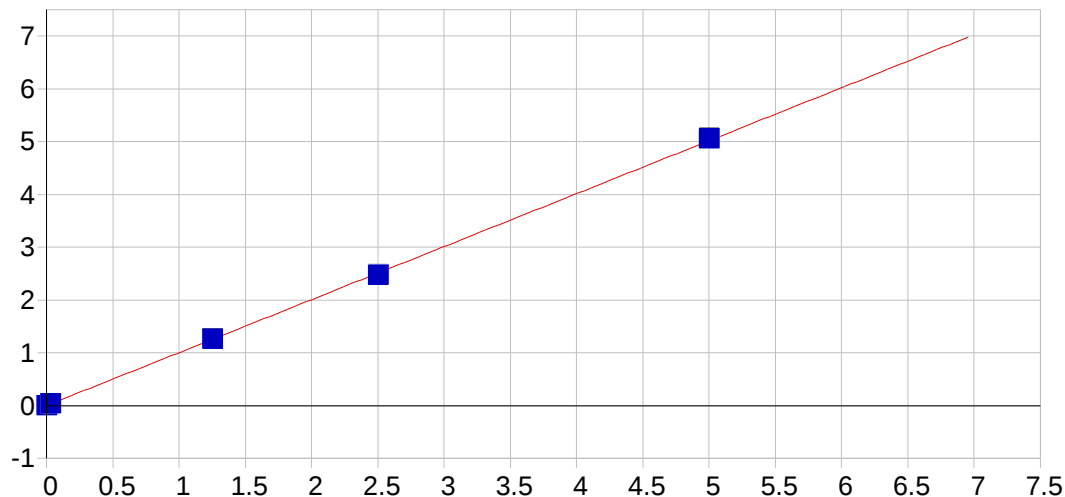
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000115 Re-Slope: 1.000000
 A1 (Gain): 0.139650 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999851
 Std Error of Est: 0.000019
 Predicted MDL: 0.000401
 Predicted MQL: 0.001338

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00012	.000	1
S1	.01000	.01039	.000	3.90	.00157	.000	1
S3	.50000	.51445	.014	2.89	.07251	.000	1
S4	1.0000	1.0143	.014	1.43	.14286	.000	1
S5	2.0000	1.9709	-.029	-1.45	.27755	.001	1



Co 228.616 {447}

Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

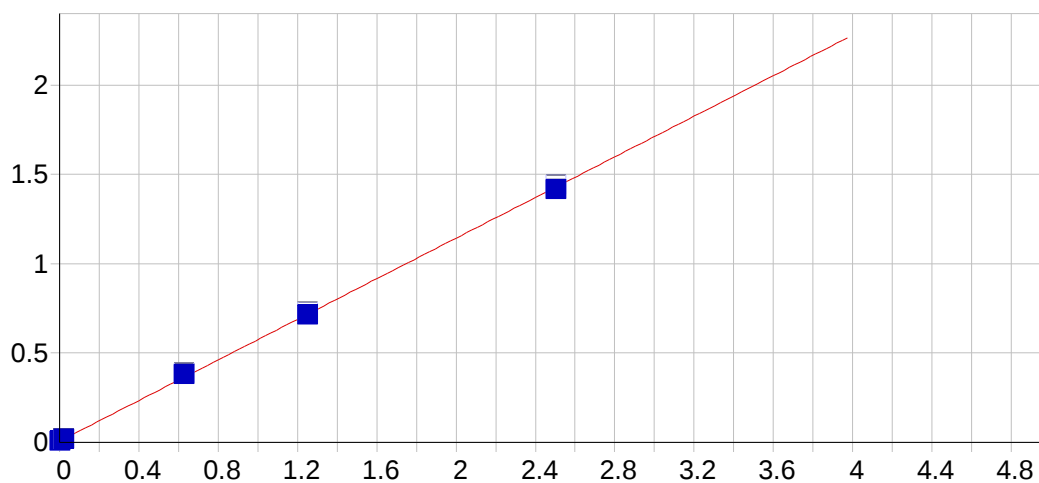
Weighting: 1/Conc

A0 (Offset): -0.001617
 A1 (Gain): 1.003894
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999954
 Std Error of Est: 0.000202
 Predicted MDL: 0.000217
 Predicted MQL: 0.000725

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	-.00162	.000	1
S1	.03000	.02846	-.002	-5.13	.02675	.000	1
S3	1.2500	1.2550	.005	.403	1.2593	.001	1
S4	2.5000	2.4644	-.036	-1.43	2.4743	.001	1
S5	5.0000	5.0321	.032	.643	5.0540	.006	1

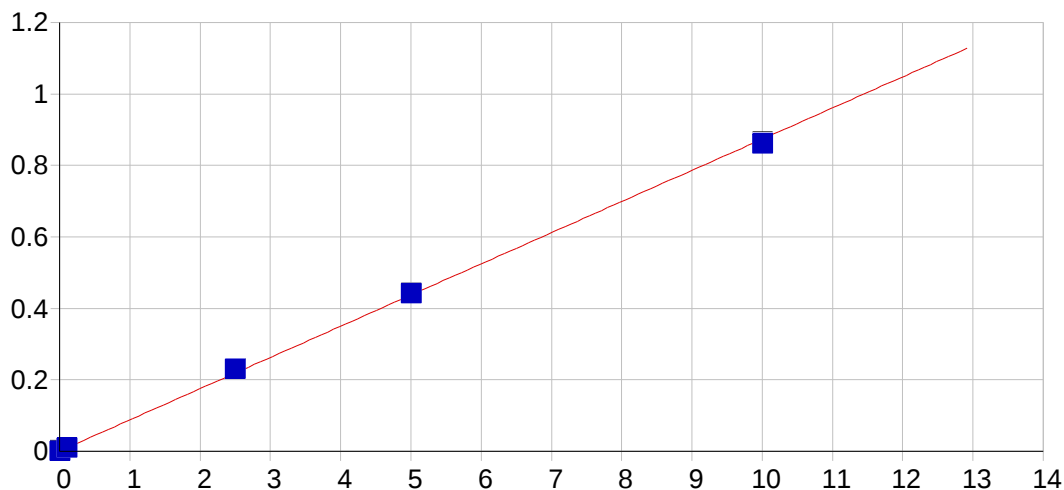


Cu 224.700 {450}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.007121 Re-Slope: 1.000000
 A1 (Gain): 0.568131 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999784 Status: OK.
 Std Error of Est: 0.000146
 Predicted MDL: 0.000401
 Predicted MQL: 0.001336

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00712	.000	1
S1	.02000	.01990	-.000	-.487	.01865	.000	1
S3	.62500	.65743	.032	5.19	.38750	.000	1
S4	1.2500	1.2425	-.007	-.600	.72677	.001	1
S5	2.5000	2.4752	-.025	-.993	1.4408	.001	1



Fe 240.488 {140}

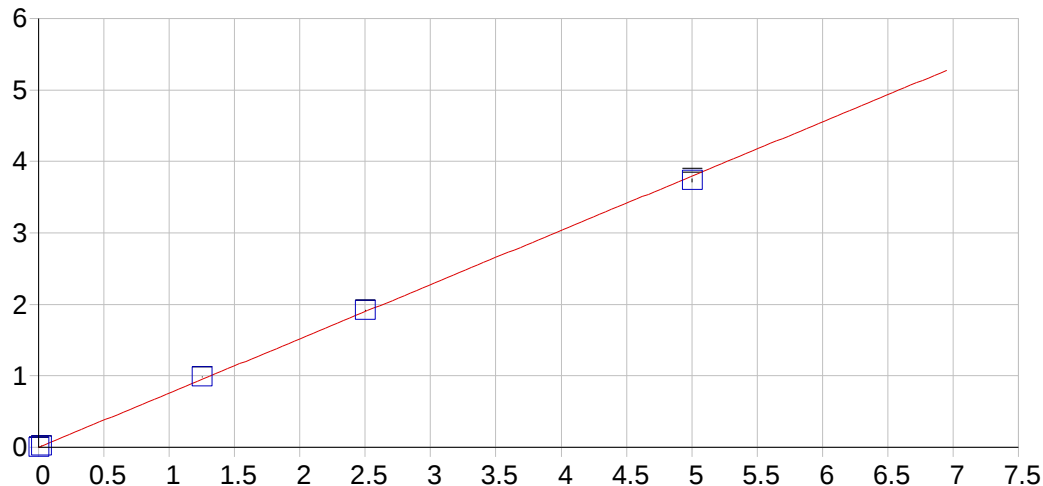
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000859 Re-Slope: 1.000000
 A1 (Gain): 0.087268 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999740
 Std Error of Est: 0.000108
 Predicted MDL: 0.000569
 Predicted MQL: 0.001895

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00086	.000	1
S1	.10000	.10151	.002	1.51	.00976	.000	1
S3	2.5000	2.6264	.126	5.06	.23087	.001	1
S4	5.0000	5.0332	.033	.664	.44172	.000	1
S5	10.000	9.8389	-.161	-1.61	.86273	.002	1



Mn 257.610 {131}

Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

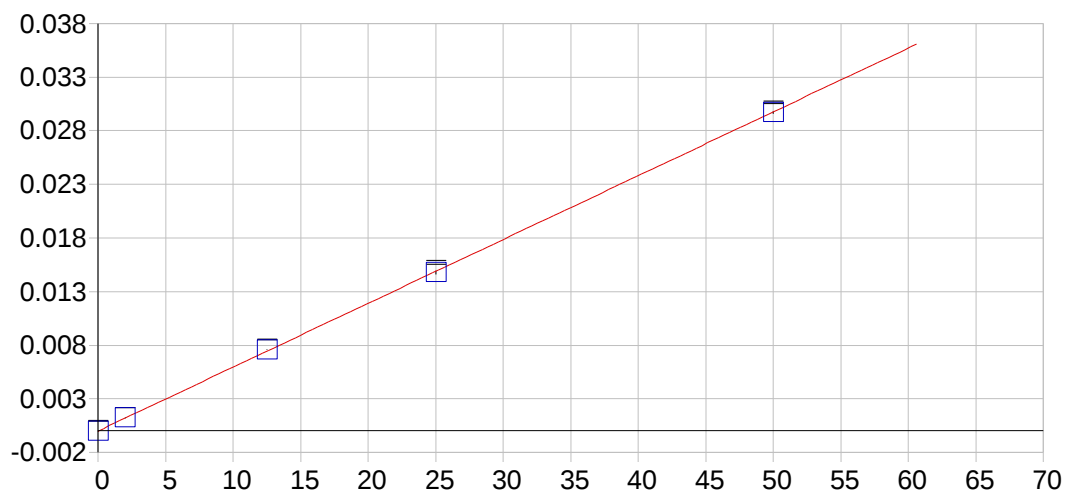
Weighting: 1/Conc

A0 (Offset): 0.000049
 A1 (Gain): 0.758925
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999803
 Std Error of Est: 0.000258
 Predicted MDL: 0.000063
 Predicted MQL: 0.000211

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	.00005	.000	1
S1	.02000	.02119	.001	5.96	.01613	.000	1
S3	1.2500	1.2983	.048	3.87	.98538	.001	1
S4	2.5000	2.5282	.028	1.13	1.9187	.002	1
S5	5.0000	4.9223	-.078	-1.55	3.7357	.028	1

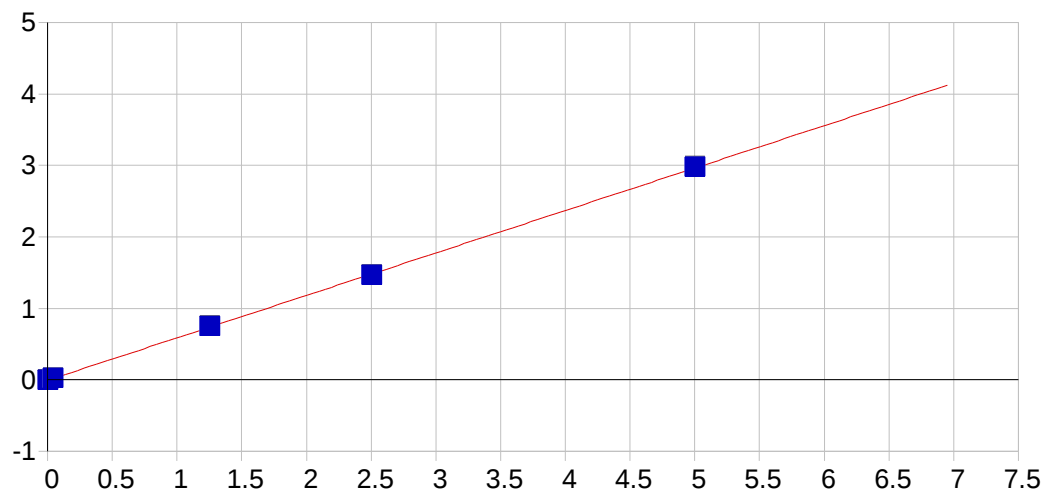


Mg 279.079 {121}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000004 Re-Slope: 1.000000
 A1 (Gain): 0.000595 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999951 Status: OK.
 Std Error of Est: 0.000003
 Predicted MDL: 0.037652
 Predicted MQL: 0.125508

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.0709	.071	3.54	.00123	.000	1
S0	.00000	-.00009	-.000	.000	-.00000	.000	1
S3	12.500	12.740	.240	1.92	.00758	.000	1
S4	25.000	24.827	-.173	-.691	.01478	.000	1
S5	50.000	49.862	-.138	-.276	.02968	.000	1



Ni 231.604 {445}

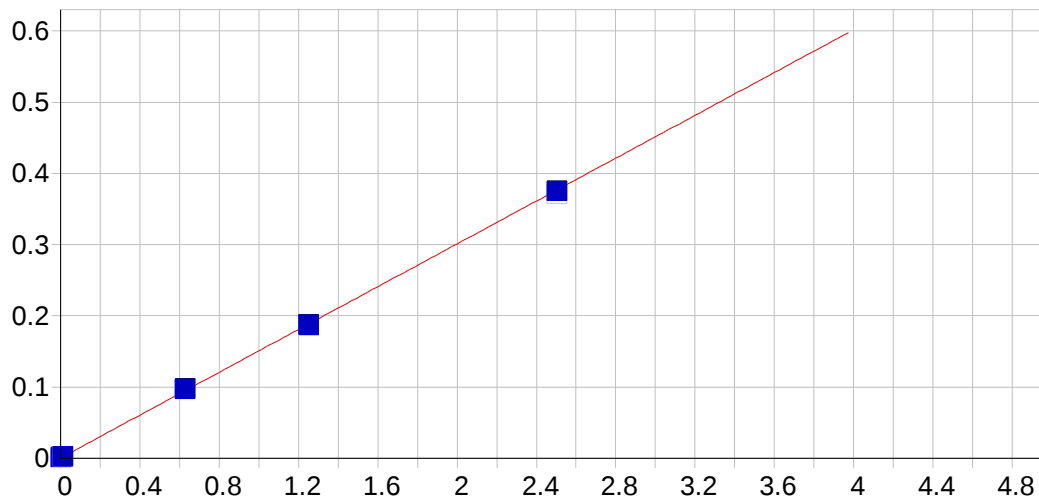
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.006430 Re-Slope: 1.000000
 A1 (Gain): 0.593931 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999960
 Std Error of Est: 0.000128
 Predicted MDL: 0.000392
 Predicted MQL: 0.001305

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00643	.000	1
S1	.04000	.03907	-.001	-2.32	.01679	.000	1
S3	1.2500	1.2646	.015	1.17	.74549	.001	1
S4	2.5000	2.4671	-.033	-1.32	1.4605	.002	1
S5	5.0000	5.0192	.019	.384	2.9779	.005	1



Ag 328.068 {103}

Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

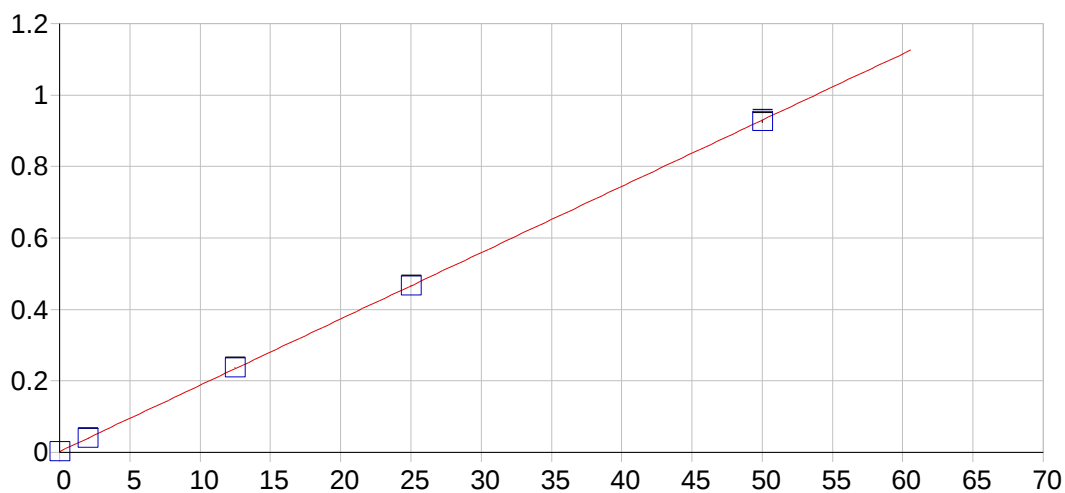
Weighting: 1/Conc

A0 (Offset): 0.000476
 A1 (Gain): 0.150345
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999917
 Std Error of Est: 0.000016
 Predicted MDL: 0.000542
 Predicted MQL: 0.001806

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	.00048	.000	1
S1	.01000	.01013	.000	1.26	.00197	.000	1
S3	.62500	.64448	.019	3.12	.09630	.000	1
S4	1.2500	1.2420	-.008	-.641	.18507	.000	1
S5	2.5000	2.4884	-.012	-.464	.37033	.000	1

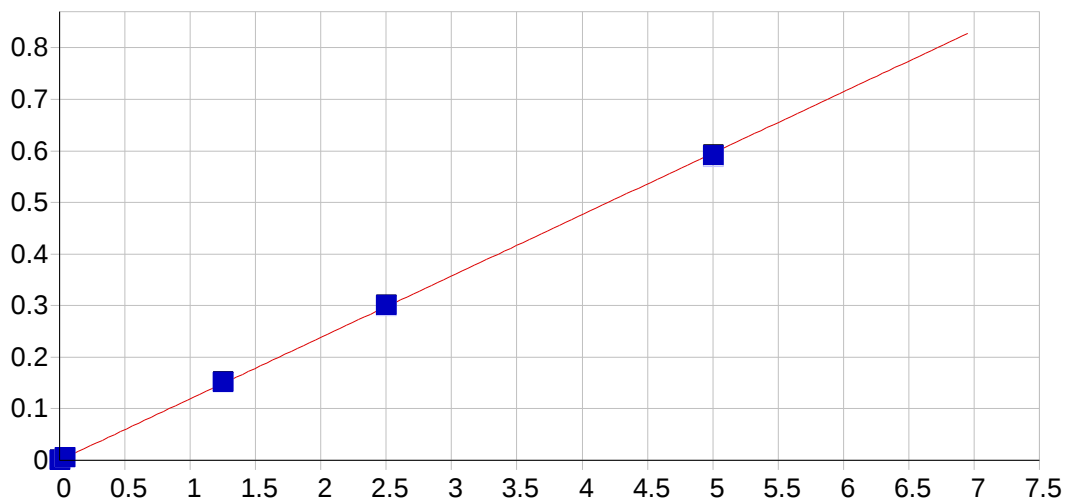


Na 589.592 { 57}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002498 Re-Slope: 1.000000
 A1 (Gain): 0.018548 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986 Status: OK.
 Std Error of Est: 0.000054
 Predicted MDL: 0.008796
 Predicted MQL: 0.029321

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.0271	.027	1.35	.04010	.000	1
S0	.00000	-.00004	-.000	.000	.00250	.000	1
S3	12.500	12.640	.140	1.12	.23694	.001	1
S4	25.000	25.010	.010	.039	.46637	.001	1
S5	50.000	49.823	-.177	-.353	.92661	.004	1



V 292.402 {115}

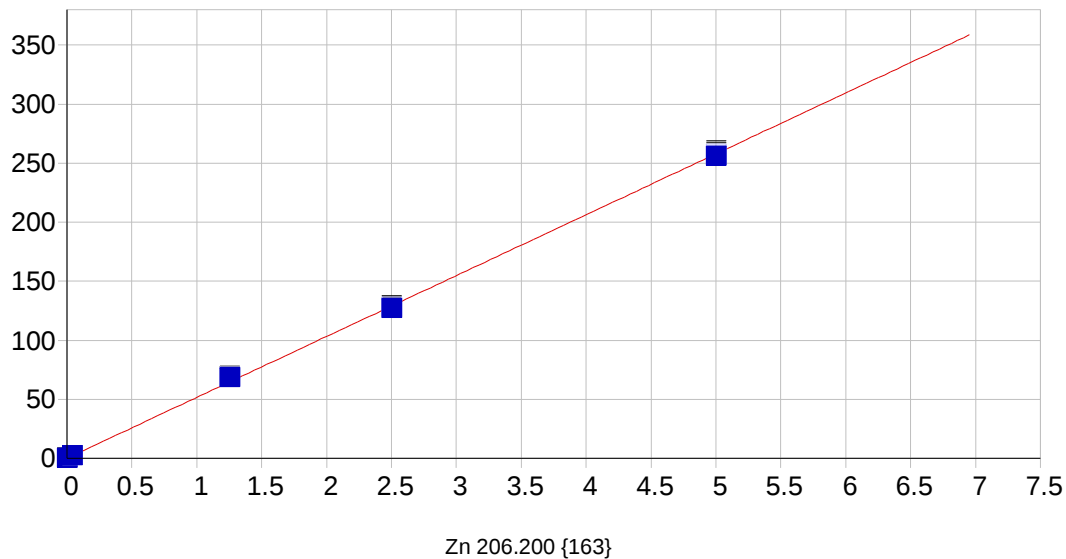
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000141 Re-Slope: 1.000000
 A1 (Gain): 0.119077 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999959
 Std Error of Est: 0.000026
 Predicted MDL: 0.000471
 Predicted MQL: 0.001570

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00014	.000	1
S1	.04000	.03941	-.001	-1.46	.00476	.000	1
S3	1.2500	1.2703	.020	1.63	.15044	.000	1
S4	2.5000	2.5166	.017	.666	.29787	.000	1
S5	5.0000	4.9636	-.036	-.728	.58730	.001	1



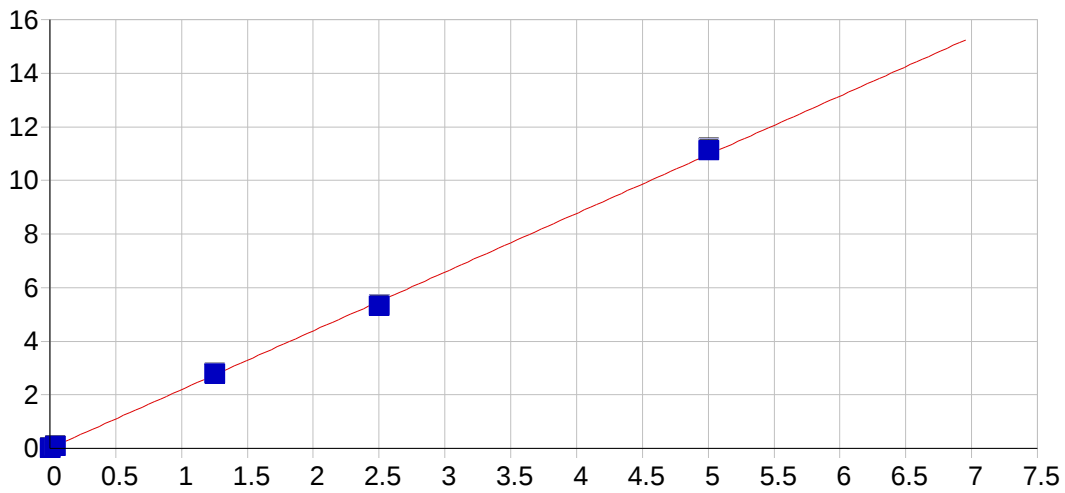
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.043280
 A1 (Gain): 51.567188
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999710
 Std Error of Est: 0.030256
 Predicted MDL: 0.000371
 Predicted MQL: 0.001236

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	.04314	.017	1
S1	.04000	.04120	.001	3.00	2.1814	.018	1
S3	1.2500	1.3231	.073	5.85	68.661	.711	1
S4	2.5000	2.4609	-.039	-1.56	127.73	1.16	1
S5	5.0000	4.9648	-.035	-.705	257.62	2.43	1

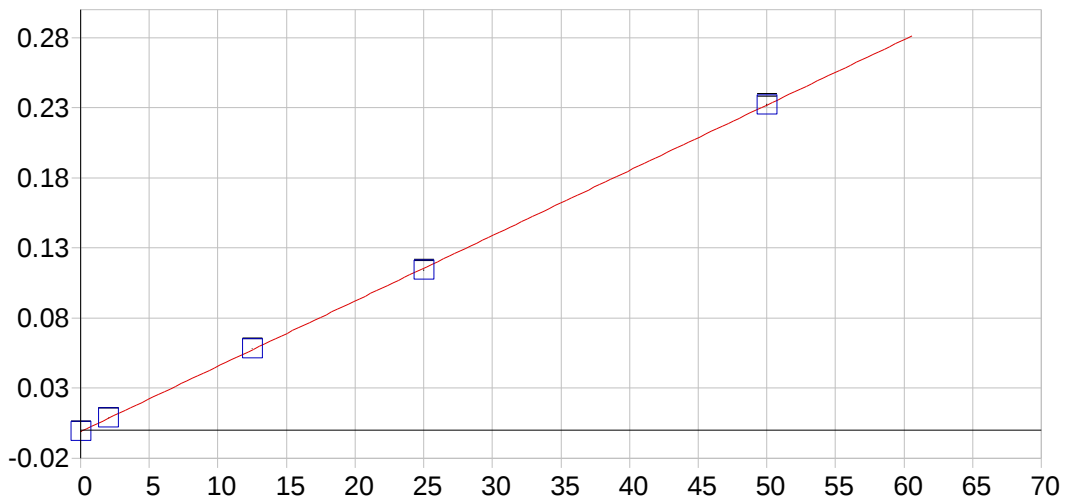


Zn 213.856 {458}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002935 Re-Slope: 1.000000
 A1 (Gain): 2.191808 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999780 Status: OK.
 Std Error of Est: 0.001120
 Predicted MDL: 0.000084
 Predicted MQL: 0.000279

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00294	.000	1
S1	.04000	.03613	-.004	-9.66	.08275	.001	1
S3	1.2500	1.2642	.014	1.14	2.7914	.003	1
S4	2.5000	2.4216	-.078	-3.14	5.3455	.001	1
S5	5.0000	5.0681	.068	1.36	11.181	.011	1



K 766.490 {44}

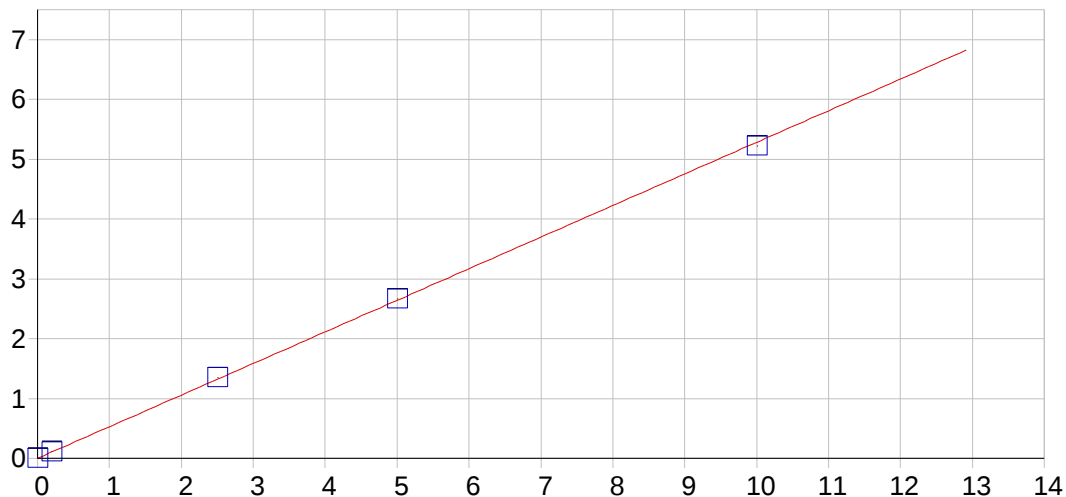
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000896 Re-Slope: 1.000000
 A1 (Gain): 0.004658 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999954
 Std Error of Est: 0.000024
 Predicted MDL: 0.034353
 Predicted MQL: 0.114511

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.0794	.079	3.97	.00879	.000	1
S0	.00000	-.00009	-.000	.000	-.00090	.000	1
S3	12.500	12.684	.184	1.47	.05818	.000	1
S4	25.000	24.759	-.241	-.962	.11442	.000	1
S5	50.000	49.978	-.022	-.045	.23188	.001	1



Mo 202.030 {467}

Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

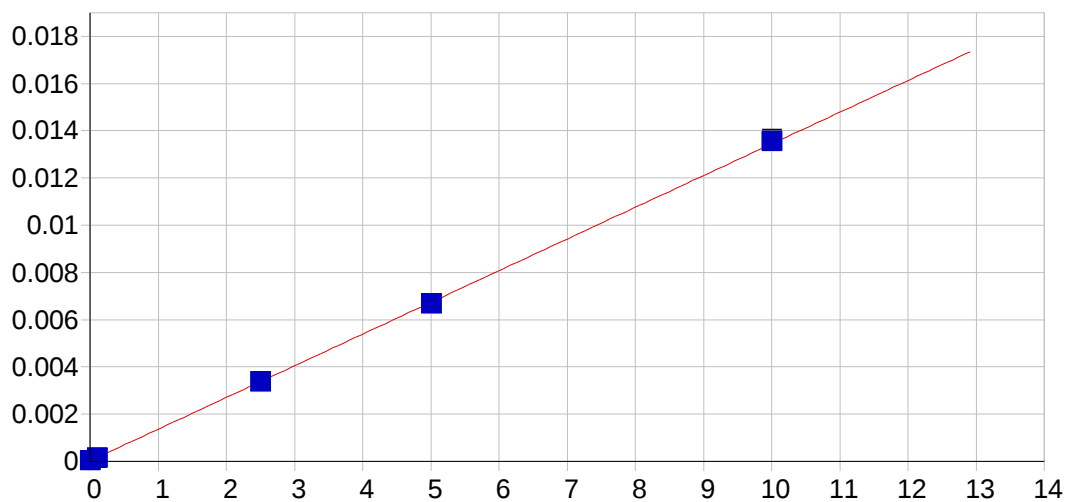
Weighting: 1/Conc

A0 (Offset): 0.000189
 A1 (Gain): 0.528269
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999898
 Std Error of Est: 0.000580
 Predicted MDL: 0.000268
 Predicted MQL: 0.000894

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	.00018	.000	1
S1	.20000	.20987	.010	4.93	.11106	.001	1
S3	2.5000	2.5586	.059	2.34	1.3518	.001	1
S4	5.0000	5.0465	.047	.930	2.6661	.003	1
S5	10.000	9.8850	-.115	-1.15	5.2221	.004	1

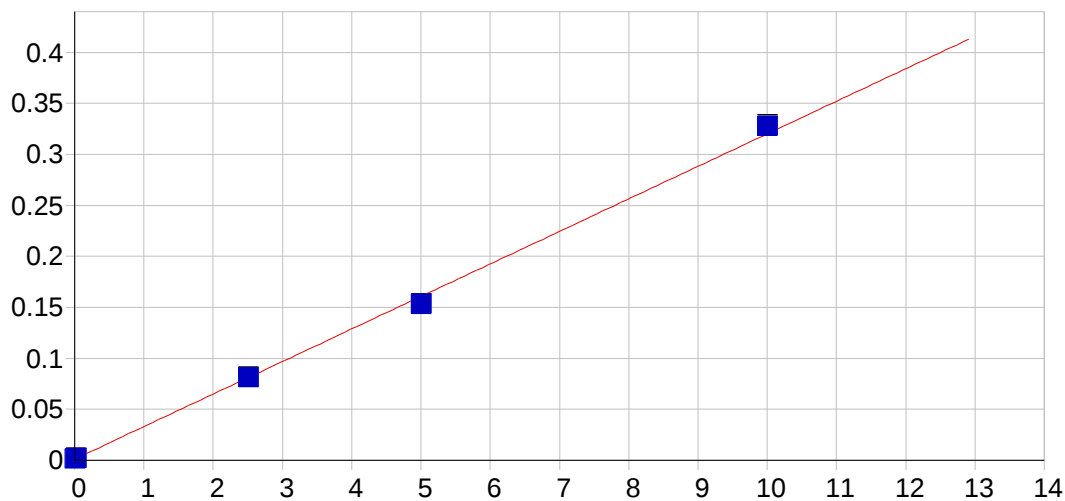


B 249.678 {135}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000022 Re-Slope: 1.000000
 A1 (Gain): 0.001342 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999880 Status: OK.
 Std Error of Est: 0.000001
 Predicted MDL: 0.012851
 Predicted MQL: 0.042838

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00002	.000	1
S1	.10000	.08323	-.017	-16.8	.00013	.000	1
S3	2.5000	2.4777	-.022	-.893	.00334	.000	1
S4	5.0000	4.9525	-.048	-.951	.00665	.000	1
S5	10.000	10.087	.087	.866	.01353	.000	1



S 182.034 {485}

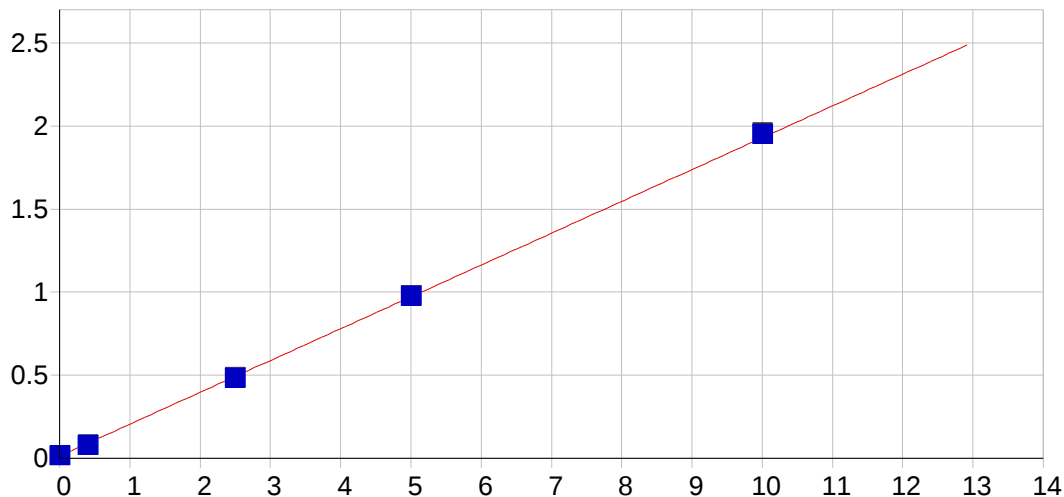
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001168 Re-Slope: 1.000000
 A1 (Gain): 0.031904 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999499
 Std Error of Est: 0.000024
 Predicted MDL: 0.003101
 Predicted MQL: 0.010337

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00117	.000	1
S1	.02000	.01957	-.000	-2.14	.00177	.000	1
S3	2.5000	2.5005	.001	.022	.08086	.000	1
S4	5.0000	4.7583	-.242	-4.83	.15280	.000	1
S5	10.000	10.242	.242	2.42	.32756	.001	1



Si 288.158 {117}

Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

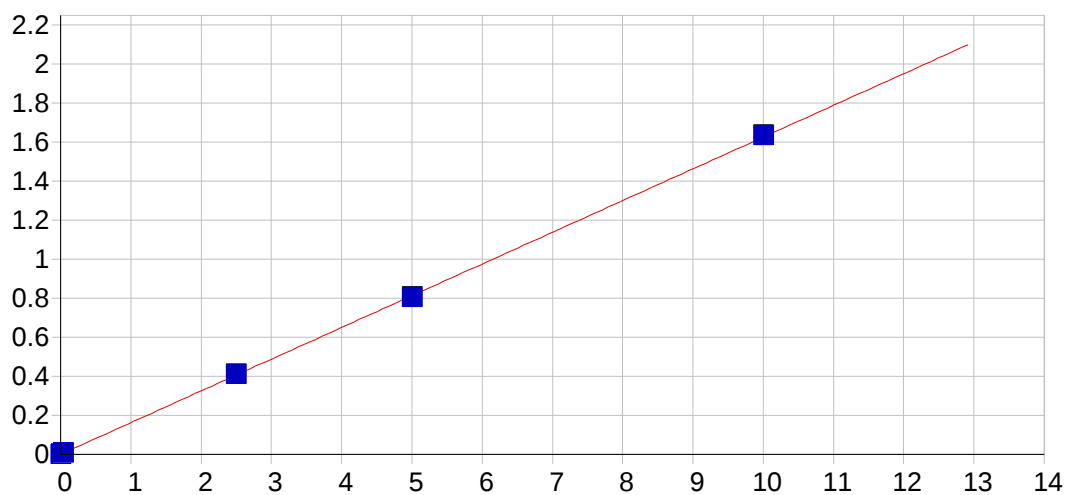
Weighting: 1/Conc

A0 (Offset): 0.014107
 A1 (Gain): 0.191487
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999616
 Std Error of Est: 0.000579
 Predicted MDL: 0.002984
 Predicted MQL: 0.009948

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	.00007	.000	.000	.01412	.001	1
S1	.40000	.33336	-.067	-16.7	.07788	.001	1
S3	2.5000	2.4411	-.059	-2.36	.48129	.002	1
S4	5.0000	5.0174	.017	.349	.97437	.004	1
S5	10.000	10.108	.108	1.08	1.9487	.006	1

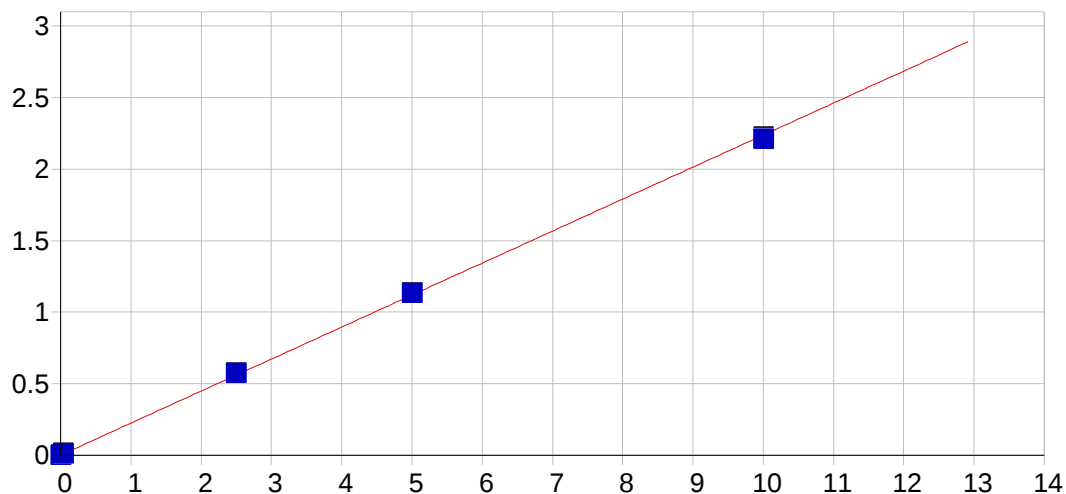


Sn 189.989 {477}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000092 Re-Slope: 1.000000
 A1 (Gain): 0.162584 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999976 Status: OK.
 Std Error of Est: 0.000038
 Predicted MDL: 0.000669
 Predicted MQL: 0.002231

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00009	.000	1
S1	.04000	.03822	-.002	-4.45	.00631	.000	1
S3	2.5000	2.5120	.012	.479	.40857	.000	1
S4	5.0000	4.9485	-.052	-1.03	.80478	.001	1
S5	10.000	10.041	.041	.413	1.6329	.002	1



Ti 336.121 {100}

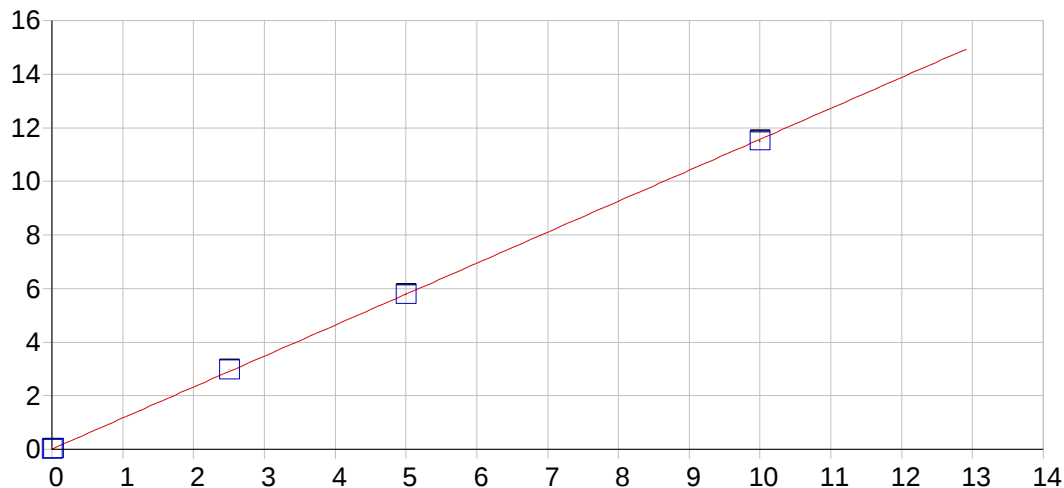
Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001406 Re-Slope: 1.000000
 A1 (Gain): 0.223732 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999893
 Std Error of Est: 0.000112
 Predicted MDL: 0.001777
 Predicted MQL: 0.005922

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00141	.000	1
S1	.04000	.04213	.002	5.33	.01083	.000	1
S3	2.5000	2.5586	.059	2.35	.57378	.001	1
S4	5.0000	5.0617	.062	1.23	1.1337	.002	1
S5	10.000	9.8775	-.123	-1.23	2.2110	.011	1



Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

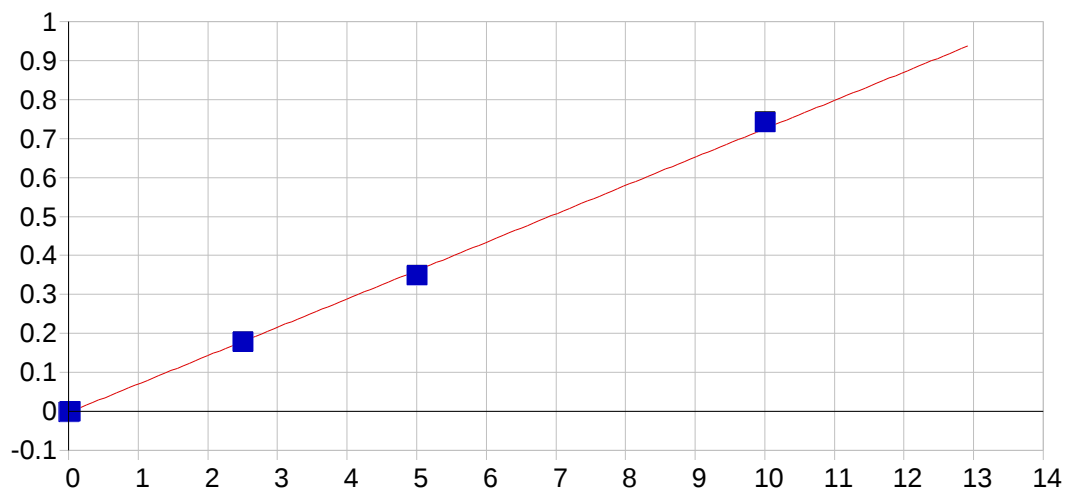
Weighting: 1/Conc

A0 (Offset): 0.010871
 A1 (Gain): 1.155649
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999945
 Std Error of Est: 0.000294
 Predicted MDL: 0.001625
 Predicted MQL: 0.005418

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	.01087	.001	1
S1	.02000	.01899	-.001	-5.04	.03282	.000	1
S3	2.5000	2.5628	.063	2.51	2.9726	.009	1
S4	5.0000	4.9926	-.007	-.148	5.7806	.024	1
S5	10.000	9.9456	-.054	-.544	11.504	.030	1



P 177.495 {490}

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.002592	Re-Slope:	1.000000
A1 (Gain):	0.072754	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999643	Status:	OK.
Std Error of Est:	0.000047		
Predicted MDL:	0.001614		
Predicted MQL:	0.005381		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00259	.000	1
S1	.02000	.01815	-.002	-9.24	-.00128	.000	1
S3	2.5000	2.4693	-.031	-1.23	.17680	.000	1
S4	5.0000	4.8120	-.188	-3.76	.34698	.001	1
S5	10.000	10.220	.220	2.20	.73994	.001	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







In 230.606 {446}*

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

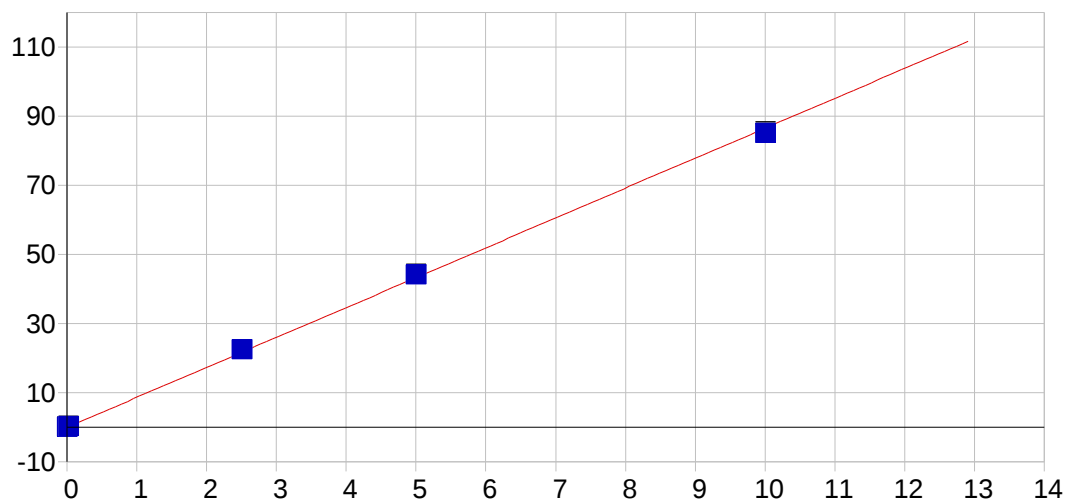
Status: Warning Zero Gain

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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Sr 407.771 { 83}

Date of Fit: 4/10/2019 18:30:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001808

Re-Slope: 1.000000

A1 (Gain): 8.651141

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999763

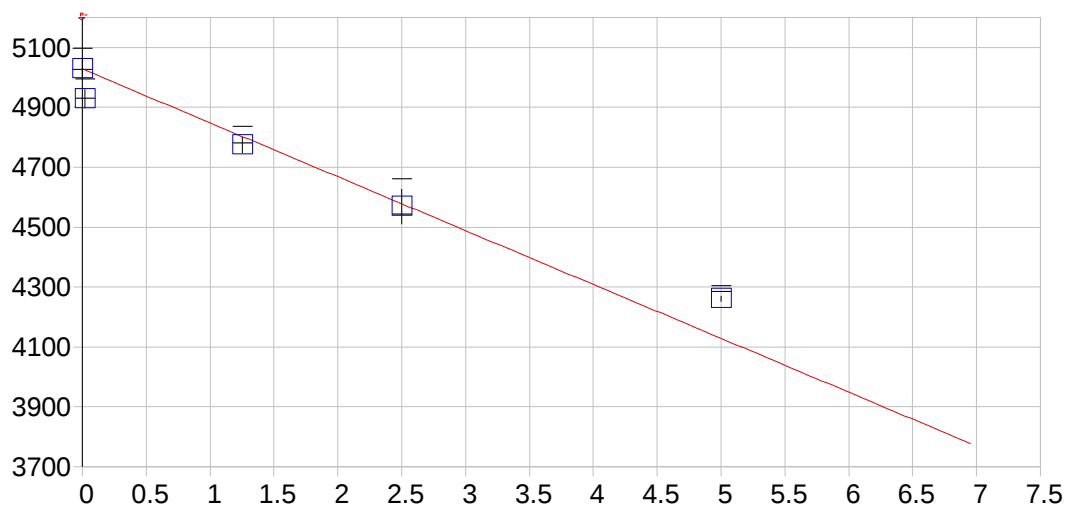
Status: OK.

Std Error of Est: 0.004552

Predicted MDL: 0.000088

Predicted MQL: 0.000293

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00182	.000	1
S1	.02000	.02055	.001	2.73	.17690	.002	1
S3	2.5000	2.5919	.092	3.67	22.445	.041	1
S4	5.0000	5.0897	.090	1.79	44.077	.136	1
S5	10.000	9.8179	-.182	-1.82	85.029	.364	1

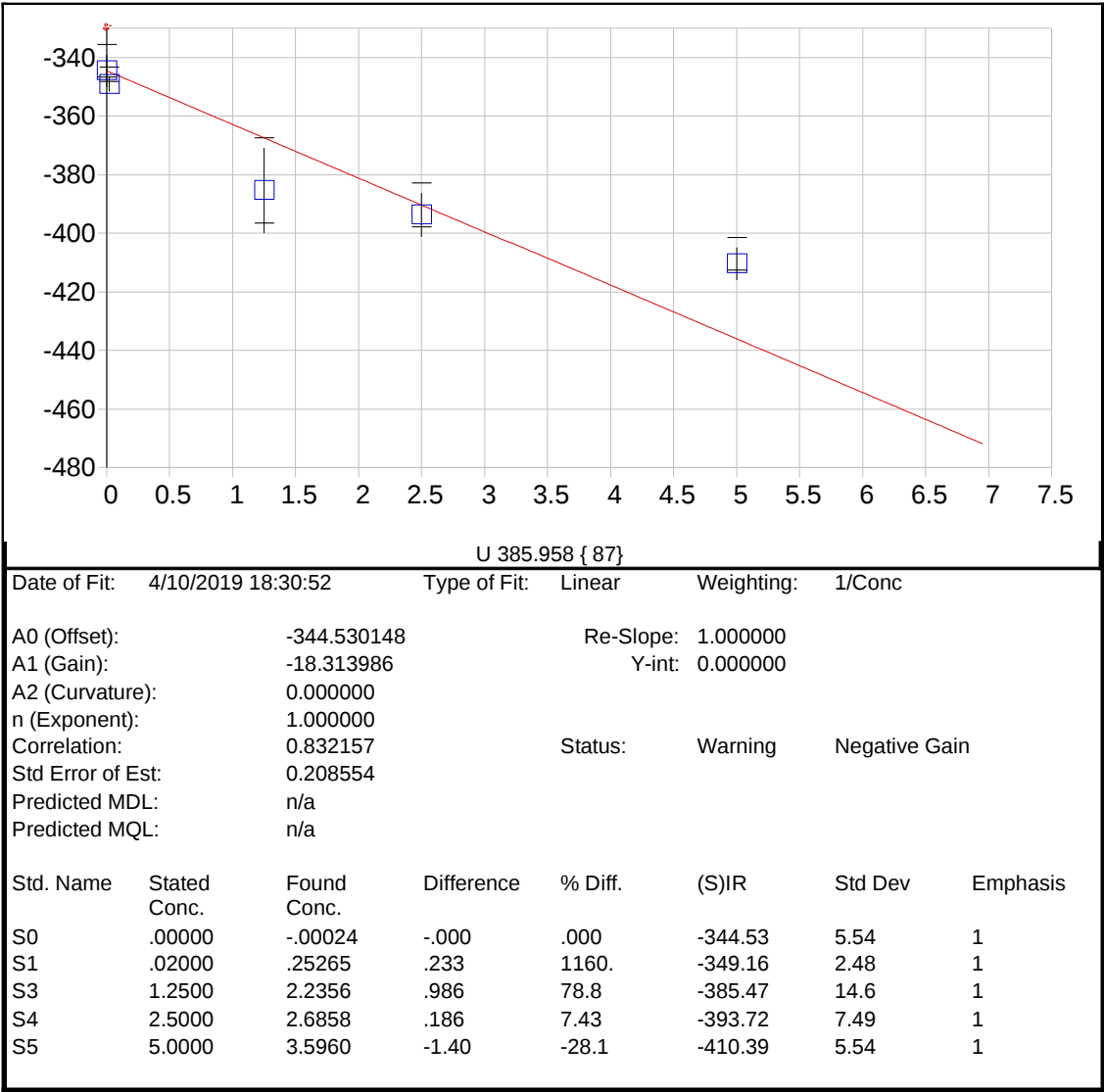


U 367.007 { 92 }

Date of Fit: 4/10/2019 18:30:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 5027.993777 Re-Slope: 1.000000
 A1 (Gain): -179.838358 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.619370 Status: Warning Negative Gain
 Std Error of Est: 3.895514
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00053	-.001	.000	5028.1	35.3	1
S1	.02000	.54814	.528	2640.	4929.4	31.9	1
S3	1.2500	1.4067	.157	12.5	4775.0	28.3	1
S4	2.5000	2.5539	.054	2.16	4568.7	58.5	1
S5	5.0000	4.2612	-.739	-14.8	4261.7	9.66	1



Sample Name: S0 Acquired: 4/10/2019 16:58:37 Type: Cal
Method: P4-ICP2(v3043) 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	-.00012	-.00082	.00602	.00009	.00060	.00024	-.00090	-.00014
Stddev	.00008	.00009	.00016	.00008	.00020	.00007	.00006	.00000
%RSD	69.784	10.491	2.5981	92.870	32.856	27.034	6.5677	3.0427

#1	-.00002	-.00078	.00593	.00017	.00060	.00031	-.00096	-.00013
#2	-.00017	-.00077	.00593	.00008	.00080	.00022	-.00086	-.00014
#3	-.00016	-.00092	.00620	.00001	.00040	.00019	-.00086	-.00014

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	-.00251	.00074	.00012	-.00162	.00712	.00086	.00005	-.00000
Stddev	.00012	.00031	.00003	.00010	.00004	.00004	.00004	.00003
%RSD	4.9283	41.700	21.827	6.1627	.50388	4.3119	84.190	626.21

#1	-.00264	.00056	.00009	-.00156	.00715	.00088	.00000	.00001
#2	-.00240	.00110	.00012	-.00173	.00708	.00082	.00007	.00001
#3	-.00249	.00056	.00014	-.00156	.00712	.00088	.00007	-.00003

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	-.00643	.00048	.00250	.00014	.00294	-.00090	.00018	.00002
Stddev	.00020	.00005	.00008	.00003	.00018	.00009	.00003	.00001
%RSD	3.0346	10.771	3.1001	18.658	6.2133	9.9734	14.735	63.230

#1	-.00621	.00053	.00259	.00016	.00286	-.00084	.00021	.00004
#2	-.00657	.00044	.00244	.00011	.00282	-.00100	.00018	.00001
#3	-.00651	.00045	.00246	.00015	.00315	-.00085	.00015	.00001

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	.00117	.01412	.00009	.00141	.01087	-.0026	-.00182	5028.1
Stddev	.00003	.00075	.00005	.00011	.00116	.0001	.00037	35.3
%RSD	2.4403	5.3238	53.382	8.0504	10.711	2.547	20.588	.70183

#1	.00115	.01424	.00015	.00151	.01072	-.0026	-.00225	5031.7
#2	.00120	.01480	.00006	.00142	.01210	-.0026	-.00165	4991.1
#3	.00116	.01331	.00007	.00129	.00979	-.0025	-.00156	5061.4

Sample Name: S0 Acquired: 4/10/2019 16:58:37 Type: Cal
Method: P4-ICP2(v3043) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	-344.53
Stddev	5.54
%RSD	1.6076

#1	-340.31
#2	-350.80
#3	-342.47

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4510.4	71273.	5989.5	80.300	4457.0
Stddev	7.0	249.	32.2	.938	10.2
%RSD	.15566	.34896	.53743	1.1678	.22993

#1	4507.0	71282.	5952.3	79.350	4452.5
#2	4505.8	71518.	6008.9	80.325	4449.8
#3	4518.5	71021.	6007.2	81.225	4468.7

Sample Name: S1 Acquired: 4/10/2019 17:03:04 Type: Cal
Method: P4-ICP2(v3043) 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	.00077	.00450	.00923	.00117	.00594	.00070	.03205	.00352
Stddev	.00003	.00018	.00011	.00017	.00009	.00003	.00042	.00003
%RSD	3.3663	3.9242	1.1623	14.742	1.5287	4.6514	1.3090	.85869

#1	.00075	.00432	.00913	.00108	.00587	.00067	.03243	.00354
#2	.00080	.00467	.00934	.00106	.00592	.00068	.03211	.00353
#3	.00076	.00449	.00920	.00137	.00604	.00073	.03160	.00349

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	.01671	.00157	.02675	.01865	.00976	.01613	.01679	.00197
Stddev	.00015	.00006	.00026	.00013	.00005	.00012	.00048	.00007
%RSD	.90535	3.9013	.98590	.69649	.55611	.75514	2.8468	3.3072

#1	.01683	.00160	.02686	.01866	.00982	.01626	.01689	.00196
#2	.01675	.00161	.02694	.01852	.00973	.01612	.01721	.00191
#3	.01654	.00150	.02645	.01877	.00973	.01602	.01627	.00204

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	.00476	.08275	.11106	.00013	.00177	.07788	.00631	.01083
Stddev	.00005	.00053	.00134	.00000	.00006	.00078	.00009	.00042
%RSD	.98900	.63938	1.2032	.76000	3.3330	.99675	1.3674	3.9153

#1	.00477	.08262	.11101	.00013	.00180	.07871	.00641	.01087
#2	.00480	.08333	.11241	.00013	.00181	.07718	.00626	.01123
#3	.00471	.08230	.10974	.00013	.00171	.07774	.00625	.01038

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.03282	-.0013	.17690	4929.4	-349.16
Stddev	.00044	.0001	.00196	31.9	2.48
%RSD	1.3480	4.903	1.1085	.64633	.70992

#1	.03310	-.0013	.17916	4895.6	-346.88
#2	.03305	-.0012	.17575	4958.8	-348.80
#3	.03231	-.0012	.17577	4933.9	-351.79

Sample Name: S1 Acquired: 4/10/2019 17:03:04 Type: Cal
Method: P4-ICP2(v3043) 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	4519.7	71104.	6047.1	82.894	4443.9
Stddev	10.2	117.	14.5	.905	10.9
%RSD	.22500	.16505	.23993	1.0923	.24487
#1	4510.9	71079.	6030.5	81.850	4434.8
#2	4517.3	71001.	6053.5	83.375	4440.9
#3	4530.8	71232.	6057.4	83.458	4456.0

Sample Name: S2 Acquired: 4/10/2019 17:07:31 Type: Cal
 Method: P4-ICP2(v3043) 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	.07627	.00123	.04010	.00879
Stddev	.00078	.00002	.00014	.00016
%RSD	1.0208	1.4872	.36154	1.8118

#1	.07540	.00125	.04014	.00868
#2	.07650	.00121	.04021	.00871
#3	.07691	.00122	.03993	.00897

Int. Std.	Y_3600	Y_3710
Units	Cts/S	Cts/S
Avg	71512.	6127.4
Stddev	38.	17.1
%RSD	.05336	.27956

#1	71499.	6136.0
#2	71482.	6138.6
#3	71555.	6107.7

Sample Name: S3 Acquired: 4/10/2019 17:11:43 Type: Cal
Method: P4-ICP2(v3043) 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	.11886	.36365	.67972	.14477	.28938	.02186	1.6394	.08243
Stddev	.00025	.00134	.00039	.00063	.00087	.00013	.0059	.00025
%RSD	.21315	.36939	.05743	.43554	.30198	.57229	.35832	.30619
#1	.11882	.36262	.67972	.14499	.28979	.02173	1.6332	.08257
#2	.11913	.36517	.67933	.14526	.28997	.02189	1.6449	.08214
#3	.11863	.36318	.68011	.14406	.28837	.02197	1.6401	.08259
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	4.3833	.46035	.07251	1.2593	.38750	.23087	.98538	.00758
Stddev	.0070	.00043	.00015	.0013	.00024	.00083	.00093	.00005
%RSD	.15877	.09299	.20651	.10385	.06166	.35772	.09424	.67556
#1	4.3866	.46069	.07258	1.2606	.38777	.23077	.98489	.00755
#2	4.3879	.45987	.07233	1.2593	.38733	.23011	.98480	.00755
#3	4.3753	.46048	.07261	1.2580	.38740	.23175	.98645	.00764
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	.74549	.09630	.23694	.15044	2.7914	.05818	1.3518	.00334
Stddev	.00050	.00003	.00062	.00041	.0033	.00029	.0013	.00002
%RSD	.06748	.03184	.26030	.27428	.11753	.49253	.09726	.45652
#1	.74594	.09627	.23623	.15002	2.7943	.05785	1.3527	.00333
#2	.74558	.09632	.23720	.15044	2.7919	.05832	1.3525	.00336
#3	.74495	.09632	.23738	.15084	2.7878	.05837	1.3503	.00333
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	.08086	.48129	.40857	.57378	2.9726	.1768	22.445	4775.0
Stddev	.00039	.00249	.00016	.00092	.0090	.0004	.041	28.3
%RSD	.48787	.51633	.03900	.16026	.30131	.2255	.18436	.59227
#1	.08056	.48367	.40839	.57405	2.9821	.1765	22.488	4747.0
#2	.08130	.47871	.40862	.57276	2.9643	.1772	22.440	4774.6
#3	.08071	.48150	.40870	.57454	2.9714	.1767	22.406	4803.5

Sample Name: S3 Acquired: 4/10/2019 17:11:43 Type: Cal
 Method: P4-ICP2(v3043) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	-385.47
Stddev	14.56
%RSD	3.7766

#1	-402.10
#2	-375.00
#3	-379.32

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4474.9	70482.	6127.6	82.297	4209.1
Stddev	11.4	49.	34.3	.997	10.2
%RSD	.25452	.06936	.55989	1.2117	.24321

#1	4462.1	70534.	6088.8	81.222	4197.9
#2	4483.7	70437.	6153.8	82.478	4218.0
#3	4479.1	70476.	6140.3	83.192	4211.5

Sample Name: S4 Acquired: 4/10/2019 17:15:42 Type: Cal
Method: P4-ICP2(v3043) 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	.23073	.69777	1.3143	.27260	.55929	.04278	3.2327	.15710
Stddev	.00071	.00028	.0010	.00036	.00130	.00023	.0108	.00049
%RSD	.30738	.03972	.07549	.13153	.23170	.53896	.33514	.31240
#1	.22992	.69757	1.3153	.27302	.55995	.04270	3.2345	.15688
#2	.23102	.69809	1.3144	.27242	.55779	.04259	3.2211	.15677
#3	.23124	.69766	1.3133	.27238	.56011	.04303	3.2425	.15767
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	8.5263	.90109	.14286	2.4743	.72677	.44172	1.9187	.01478
Stddev	.0035	.00132	.00026	.0005	.00091	.00046	.0016	.00016
%RSD	.04075	.14625	.18300	.02137	.12548	.10492	.08211	1.0561
#1	8.5236	.90257	.14271	2.4749	.72654	.44141	1.9172	.01465
#2	8.5251	.90004	.14269	2.4741	.72600	.44151	1.9203	.01472
#3	8.5302	.90066	.14316	2.4739	.72778	.44226	1.9187	.01495
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	1.4605	.18507	.46637	.29787	5.3455	.11442	2.6661	.00665
Stddev	.0019	.00012	.00090	.00009	.0008	.00046	.0026	.00001
%RSD	.13356	.06348	.19341	.02941	.01582	.39784	.09554	.08109
#1	1.4627	.18521	.46687	.29789	5.3445	.11447	2.6674	.00666
#2	1.4594	.18501	.46533	.29778	5.3458	.11394	2.6632	.00665
#3	1.4593	.18500	.46692	.29795	5.3462	.11485	2.6677	.00665
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	.15280	.97437	.80478	1.1337	5.7806	.3470	44.077	4568.7
Stddev	.00004	.00365	.00123	.0019	.0235	.0007	.136	58.5
%RSD	.02420	.37468	.15319	.16390	.40669	.2062	.30908	1.2809
#1	.15284	.97088	.80341	1.1331	5.7878	.3462	44.170	4614.1
#2	.15277	.97817	.80580	1.1358	5.7996	.3475	44.141	4502.6
#3	.15279	.97407	.80512	1.1323	5.7543	.3473	43.921	4589.4

Sample Name: S4 Acquired: 4/10/2019 17:15:42 Type: Cal
 Method: P4-ICP2(v3043) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	-393.72
Stddev	7.49
%RSD	1.9017

#1	-386.12
#2	-393.95
#3	-401.09

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4390.4	69280.	6018.0	82.123	4070.4
Stddev	3.5	224.	26.1	.792	4.7
%RSD	.08055	.32296	.43365	.96441	.11531

#1	4389.1	69144.	5996.8	81.802	4069.7
#2	4387.7	69538.	6010.1	81.542	4066.1
#3	4394.4	69158.	6047.1	83.025	4075.4

Sample Name: S5 Acquired: 4/10/2019 17:19:41 Type: Cal
Method: P4-ICP2(v3043) 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	.46900	1.4217	2.6916	.56291	1.1281	.08604	6.4950	.32016
Stddev	.00119	.0040	.0040	.00027	.0003	.00070	.0859	.00026
%RSD	.25359	.28094	.14881	.04837	.02653	.81092	1.3228	.08126
#1	.46770	1.4262	2.6962	.56263	1.1278	.08574	6.4305	.32040
#2	.47003	1.4203	2.6892	.56317	1.1284	.08684	6.4620	.31989
#3	.46928	1.4185	2.6895	.56292	1.1279	.08555	6.5925	.32019
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	17.620	1.7533	.27755	5.0540	1.4408	.86273	3.7357	.02968
Stddev	.006	.0033	.00101	.0056	.0006	.00178	.0284	.00012
%RSD	.03317	.18792	.36443	.11094	.04262	.20619	.76092	.41112
#1	17.626	1.7570	.27639	5.0605	1.4402	.86203	3.7032	.02961
#2	17.614	1.7519	.27803	5.0508	1.4414	.86142	3.7481	.02982
#3	17.619	1.7508	.27823	5.0508	1.4409	.86476	3.7559	.02960
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	2.9779	.37033	.92661	.58730	11.181	.23188	5.2221	.01353
Stddev	.0051	.00023	.00444	.00088	.011	.00096	.0036	.00007
%RSD	.17220	.06168	.47934	.14936	.09535	.41578	.06879	.50600
#1	2.9838	.37017	.92727	.58666	11.193	.23113	5.2197	.01359
#2	2.9743	.37023	.93068	.58695	11.173	.23296	5.2263	.01346
#3	2.9756	.37059	.92187	.58830	11.177	.23154	5.2204	.01354
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	.32756	1.9487	1.6329	2.2110	11.504	.7399	85.029	4261.7
Stddev	.00104	.0060	.0023	.0112	.030	.0014	.364	9.7
%RSD	.31828	.30906	.14106	.50522	.26100	.1893	.42859	.22666
#1	.32841	1.9437	1.6353	2.2236	11.534	.7416	85.190	4250.7
#2	.32640	1.9469	1.6307	2.2024	11.506	.7391	85.286	4265.4
#3	.32787	1.9554	1.6328	2.2071	11.474	.7392	84.612	4268.9

Sample Name: S5 Acquired: 4/10/2019 17:19:41 Type: Cal
 Method: P4-ICP2(v3043) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	-410.39
Stddev	5.54
%RSD	1.3492

#1	-416.65
#2	-408.36
#3	-406.14

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4264.5	67987.	6033.3	79.446	3804.3
Stddev	4.9	70.	27.9	.866	3.3
%RSD	.11455	.10306	.46190	1.0899	.08693

#1	4267.7	68013.	6023.0	78.792	3801.7
#2	4258.9	68040.	6064.8	79.117	3803.3
#3	4267.0	67907.	6012.0	80.428	3808.0

Sample Name: ICV01 Acquired: 4/10/2019 17:24:01 Type: Unk
Method: P4-ICP2(v3043) 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	.98783	1.0233	.99225	.98604	.97446	2.4911	.48937	.48108
Stddev	.00681	.0040	.00564	.00485	.00756	.0208	.00095	.00074
%RSD	.68921	.39101	.56871	.49182	.77580	.83430	.19375	.15302
#1	.98051	1.0188	.98649	.98350	.96785	2.4673	.48828	.48047
#2	.98902	1.0245	.99249	.98298	.97282	2.5058	.48998	.48190
#3	.99397	1.0265	.99777	.99163	.98270	2.5002	.48986	.48088
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47814	10.094	.49816	.49576	.52130	5.0463	.50350	5.9635
Stddev	.00302	.008	.00048	.00276	.00295	.0014	.00040	.0660
%RSD	.63212	.08170	.09595	.55588	.56684	.02878	.07963	1.1061
#1	.47509	10.103	.49763	.49326	.51806	5.0452	.50339	6.0360
#2	.47820	10.086	.49856	.49530	.52199	5.0479	.50394	5.9070
#3	.48113	10.092	.49828	.49872	.52385	5.0457	.50316	5.9474
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50333	.50382	9.8272	.49077	.96815	9.8460	2.4850	2.4818
Stddev	.00315	.00095	.0276	.00256	.00465	.0549	.0155	.0285
%RSD	.62627	.18918	.28064	.52194	.48062	.55786	.62422	1.1489
#1	.50045	.50278	9.7984	.48895	.96333	9.7963	2.4692	2.5034
#2	.50283	.50404	9.8533	.49370	.96850	9.8368	2.4855	2.4495
#3	.50670	.50465	9.8298	.48965	.97262	9.9049	2.5002	2.4926
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .03229	2.2907	2.4553	2.5055	F .01131	F .0012	F .00639	F 2.0206
Stddev	.00271	.0159	.0235	.0052	.00149	.0010	.00014	.0697
%RSD	8.4066	.69585	.95743	.20858	13.184	81.45	2.1262	3.4485
#1	.03317	2.3086	2.4335	2.5115	.01083	.0022	.00654	1.9520
#2	.03446	2.2851	2.4522	2.5020	.01012	.0008	.00635	2.0913
#3	.02924	2.2783	2.4802	2.5030	.01298	.0004	.00628	2.0185

Sample Name: ICV01 Acquired: 4/10/2019 17:24:01 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICV01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 1.9396
Stddev	.2488
%RSD	12.826

#1	2.2158
#2	1.8696
#3	1.7333

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4510.6	71031.	6134.3	83.091	4306.9
Stddev	12.1	218.	38.4	1.803	8.0
%RSD	.26769	.30658	.62641	2.1696	.18661

#1	4498.1	71094.	6099.9	81.009	4299.0
#2	4511.5	70789.	6127.2	84.156	4306.6
#3	4522.2	71210.	6175.7	84.107	4315.0

Sample Name: LLICV01 Acquired: 4/10/2019 17:28:06 Type: Unk
Method: P4-ICP2(v3043) 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	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02050	.04069	.01312	.02111	.05042	.11016	.10674	.00623
Stddev	.00219	.00157	.00062	.00353	.00197	.00695	.00045	.00002
%RSD	10.658	3.8636	4.7486	16.709	3.9028	6.3086	.41791	.30320
#1	.01949	.03911	.01263	.02393	.05254	.10222	.10722	.00624
#2	.02301	.04072	.01382	.01715	.04864	.11516	.10666	.00620
#3	.01900	.04225	.01290	.02224	.05009	.11309	.10634	.00623
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00584	2.1682	.01094	.03024	.02088	.10945	.02292	2.0884
Stddev	.00008	.0234	.00017	.00006	.00064	.00085	.00005	.0380
%RSD	1.3371	1.0781	1.5553	.18829	3.0421	.77418	.21887	1.8202
#1	.00580	2.1471	.01079	.03017	.02101	.10848	.02289	2.1179
#2	.00579	2.1933	.01113	.03026	.02145	.11003	.02298	2.0455
#3	.00593	2.1643	.01092	.03028	.02019	.10984	.02290	2.1017
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04162	.01113	2.1154	.04275	.03819	2.0705	.22241	.09814
Stddev	.00023	.00045	.0042	.00054	.00010	.0189	.00060	.00034
%RSD	.56417	4.0228	.19837	1.2721	.27095	.91297	.27108	.34630
#1	.04180	.01113	2.1190	.04313	.03829	2.0916	.22172	.09852
#2	.04136	.01158	2.1108	.04212	.03820	2.0550	.22278	.09787
#3	.04172	.01068	2.1165	.04299	.03809	2.0649	.22275	.09803
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00290	.39312	.04153	.04601	.02202	.0185	.02173	F 1.0103
Stddev	.00308	.00266	.00069	.00140	.00076	.0009	.00009	.1819
%RSD	106.26	.67618	1.6701	3.0437	3.4586	4.899	.39125	18.006
#1	-.00065	.39619	.04183	.04452	.02233	.0181	.02182	.87079
#2	.00490	.39169	.04074	.04620	.02115	.0195	.02171	.94409
#3	.00443	.39148	.04203	.04730	.02257	.0178	.02166	1.2161

Sample Name: LLICV01 Acquired: 4/10/2019 17:28:06 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: LLICV01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F .65292
Stddev	.25806
%RSD	39.523

#1	.46328
#2	.94679
#3	.54870

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4580.8	71540.	6095.7	83.794	4497.8
Stddev	6.7	99.	8.0	1.173	10.4
%RSD	.14542	.13830	.13191	1.4003	.23051

#1	4580.4	71429.	6086.5	82.700	4494.4
#2	4574.4	71574.	6098.8	85.033	4489.6
#3	4587.7	71618.	6101.7	83.650	4509.5

Sample Name: ICB01 Acquired: 4/10/2019 17:32:32 Type: Unk
Method: P4-ICP2(v3043) 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	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00258	.00066	.00090	-.00008	.00022	-.00977	.00062	.00005
Stddev	.00131	.00084	.00113	.00272	.00088	.01256	.00027	.00005
%RSD	50.745	127.58	126.17	3444.7	408.86	128.53	43.728	99.426
#1	.00342	-.00030	.00133	-.00186	.00073	-.02128	.00041	.00011
#2	.00107	.00099	.00174	-.00142	.00072	.00362	.00051	.00000
#3	.00324	.00127	-.00039	.00305	-.00080	-.01166	.00092	.00005
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	-.00801	-.00048	-.00011	-.00114	.00635	.00039	-.01071
Stddev	.00005	.02216	.00033	.00009	.00023	.00070	.00004	.01155
%RSD	59.156	276.61	69.906	82.559	20.543	11.050	10.865	107.85
#1	.00004	-.03351	-.00083	-.00001	-.00125	.00680	.00042	-.00915
#2	.00013	.00301	-.00043	-.00015	-.00087	.00672	.00035	-.00002
#3	.00007	.00648	-.00017	-.00017	-.00131	.00554	.00042	-.02297
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.00069	-.05862	.00007	.00202	-.01382	-.00004	-.01445
Stddev	.00015	.00045	.00479	.00039	.00017	.01011	.00018	.00759
%RSD	153.45	65.075	8.1681	533.57	8.1692	73.157	456.81	52.479
#1	-.00016	.00019	-.06192	-.00033	.00217	-.00336	.00013	-.00653
#2	-.00020	.00081	-.06081	.00045	.00205	-.01456	-.00022	-.01518
#3	.00007	.00107	-.05313	.00009	.00184	-.02355	-.00003	-.02165
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .02510	-.03186	.00485	.00128	F .00933	.0009	-.00001	F 1.3008
Stddev	.00139	.00080	.00079	.00159	.00051	.0008	.00005	.3005
%RSD	5.5450	2.4979	16.204	124.08	5.5014	87.86	360.69	23.101
#1	.02650	-.03095	.00574	.00115	.00884	.0009	.00001	1.2675
#2	.02508	-.03218	.00426	-.00024	.00930	.0017	-.00007	1.6167
#3	.02372	-.03244	.00455	.00293	.00986	.0001	.00002	1.0184

Sample Name: ICB01 Acquired: 4/10/2019 17:32:32 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	F .06003
Stddev	.24505
%RSD	408.23

#1	.21800
#2	-.22227
#3	.18435

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4628.5	72196.	6169.6	84.836	4521.9
Stddev	6.6	97.	14.6	1.967	.1
%RSD	.14355	.13402	.23594	2.3187	.00152

#1	4621.8	72090.	6154.6	83.175	4521.9
#2	4628.6	72279.	6183.6	87.008	4521.9
#3	4635.1	72220.	6170.7	84.325	4521.8

Sample Name: CRI01 Acquired: 4/10/2019 17:37:00 Type: Unk
Method: P4-ICP2(v3043) 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	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02120	.04112	.01210	.01882	.05124	.10593	.10794	.00628
Stddev	.00275	.00064	.00078	.00225	.00240	.01307	.00082	.00010
%RSD	12.990	1.5572	6.4331	11.980	4.6885	12.339	.75944	1.6555
#1	.01855	.04052	.01234	.01673	.05396	.09507	.10726	.00620
#2	.02100	.04105	.01123	.01853	.04940	.10228	.10885	.00624
#3	.02405	.04180	.01272	.02121	.05037	.12044	.10772	.00639
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00595	2.1696	.01089	.03047	.02076	.10927	.02300	2.1215
Stddev	.00006	.0093	.00033	.00002	.00042	.00030	.00009	.0317
%RSD	.94441	.42672	3.0394	.08031	2.0407	.27564	.40246	1.4936
#1	.00589	2.1749	.01056	.03046	.02122	.10892	.02307	2.1556
#2	.00600	2.1750	.01090	.03050	.02069	.10947	.02304	2.1156
#3	.00595	2.1589	.01122	.03046	.02038	.10941	.02290	2.0931
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04157	.01100	2.1088	.04273	.03810	2.0975	.22282	.09863
Stddev	.00053	.00028	.0147	.00022	.00005	.0371	.00048	.01576
%RSD	1.2705	2.5721	.69854	.51358	.13564	1.7665	.21676	15.980
#1	.04131	.01093	2.0925	.04271	.03808	2.1145	.22228	.11644
#2	.04218	.01132	2.1211	.04252	.03816	2.1231	.22298	.09298
#3	.04122	.01077	2.1128	.04296	.03807	2.0551	.22320	.08647
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00071	.36014	.04087	.04557	.02119	.0195	.02178	F 1.1405
Stddev	.00297	.00790	.00050	.00180	.00115	.0014	.00012	.2092
%RSD	416.66	2.1943	1.2293	3.9401	5.4327	7.104	.56428	18.346
#1	.00246	.36858	.04140	.04610	.02176	.0200	.02170	1.3259
#2	.00238	.35291	.04039	.04703	.02195	.0206	.02192	1.1819
#3	-.00271	.35894	.04081	.04356	.01987	.0179	.02171	.91361

Sample Name: CRI01 Acquired: 4/10/2019 17:37:00 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CRI01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F .15615
Stddev	.31824
%RSD	203.81

#1	.26161
#2	.40827
#3	-.20144

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4609.4	72159.	6158.7	84.003	4521.7
Stddev	6.1	148.	18.0	.809	5.6
%RSD	.13158	.20560	.29299	.96305	.12481

#1	4611.6	72226.	6138.9	83.108	4518.5
#2	4614.0	71988.	6174.2	84.683	4528.2
#3	4602.5	72261.	6162.9	84.217	4518.5

Sample Name: ICSA01 Acquired: 4/10/2019 17:41:26 Type: Unk
 Method: P4-ICP2(v3043) 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	-.00236	-.00871	-.00102	.00915	.00982	273.38	.00664	.00113
Stddev	.00373	.00091	.00098	.00214	.00170	1.42	.00021	.00010
%RSD	158.00	10.475	95.697	23.422	17.350	.51785	3.0918	8.7319
#1	.00171	-.00918	-.00021	.00696	.01177	271.98	.00687	.00114
#2	-.00561	-.00766	-.00074	.01124	.00863	273.34	.00653	.00122
#3	-.00317	-.00929	-.00211	.00925	.00907	274.81	.00650	.00102
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00126	246.06	.04730	-.00135	.01211	93.020	.01075	268.78
Stddev	.00018	.22	.00012	.00013	.00009	.210	.00005	1.06
%RSD	14.062	.08813	.25658	9.3982	.78189	.22616	.50854	.39301
#1	-.00126	246.21	.04741	-.00122	.01222	92.882	.01081	267.64
#2	-.00144	246.16	.04732	-.00147	.01207	93.262	.01075	268.97
#3	-.00108	245.81	.04717	-.00136	.01205	92.916	.01070	269.73
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01219	-.00378	-.02648	.00282	-.01331	-.00183	-.00118	.02918
Stddev	.00040	.00029	.01039	.00013	.00022	.00690	.00022	.01623
%RSD	3.3056	7.7479	39.242	4.7716	1.6820	376.64	18.296	55.623
#1	-.01232	-.00344	-.03709	.00266	-.01310	-.00914	-.00122	.02308
#2	-.01174	-.00395	-.02600	.00288	-.01354	.00457	-.00095	.01688
#3	-.01252	-.00395	-.01633	.00291	-.01328	-.00092	-.00137	.04757
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .04837	-.03869	.00585	.00061	.01215	-.0012	.00001	3.4475
Stddev	.00353	.00298	.00058	.00095	.00202	.0012	.00023	.3477
%RSD	7.2878	7.7122	9.9662	156.19	16.591	103.7	1815.1	10.086
#1	.05190	-.03959	.00529	.00154	.01052	-.0026	.00008	3.8407
#2	.04835	-.03536	.00646	.00065	.01441	-.0002	-.00024	3.3208
#3	.04485	-.04113	.00581	-.00036	.01153	-.0007	.00020	3.1808

Sample Name: ICSA01 Acquired: 4/10/2019 17:41:26 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSA01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	<.00000
Stddev	.63436
%RSD	18.632

#1	-3.6503
#2	-3.8793
#3	-2.6841

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4136.2	65579.	5980.6	77.359	3645.7
Stddev	6.0	79.	24.2	1.197	5.5
%RSD	.14497	.12001	.40452	1.5479	.15164

#1	4138.7	65668.	5958.5	78.611	3646.9
#2	4129.4	65519.	5976.9	76.225	3639.7
#3	4140.6	65551.	6006.5	77.240	3650.6

Sample Name: ICSAB01 Acquired: 4/10/2019 17:46:04 Type: Unk
Method: P4-ICP2(v3043) 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	.09914	.09337	.05343	.05891	.64232	271.92	.56174	.55591
Stddev	.00226	.00207	.00077	.00699	.00235	.81	.00297	.00094
%RSD	2.2826	2.2122	1.4332	11.860	.36593	.29694	.52912	.16844
#1	.09988	.09111	.05341	.05745	.63963	271.01	.55916	.55541
#2	.10094	.09382	.05420	.05277	.64394	272.55	.56499	.55699
#3	.09660	.09517	.05267	.06651	.64341	272.22	.56107	.55533
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0258	245.04	.58152	.51452	.51535	92.717	.54166	265.06
Stddev	.0027	.62	.00179	.00131	.00207	.331	.00110	.89
%RSD	.26772	.25414	.30745	.25473	.40098	.35680	.20358	.33712
#1	1.0232	245.05	.57953	.51301	.51305	92.439	.54192	264.16
#2	1.0286	244.41	.58300	.51530	.51596	93.083	.54260	265.07
#3	1.0256	245.66	.58202	.51525	.51704	92.629	.54045	265.95
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0120	.21599	-.02643	.53752	1.0733	-.03345	1.1181	F 1.2037
Stddev	.0038	.00066	.00787	.00271	.0017	.01372	.0026	.0145
%RSD	.37504	.30732	29.775	.50411	.15585	41.013	.23222	1.2030
#1	1.0078	.21527	-.01927	.53566	1.0726	-.04087	1.1162	1.2010
#2	1.0132	.21613	-.02517	.54063	1.0752	-.04186	1.1169	1.1908
#3	1.0151	.21657	-.03486	.53627	1.0720	-.01762	1.1210	1.2193
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00787	.96292	1.1426	1.1359	F .00375	F .0018	F .00020	4.0856
Stddev	.00531	.00738	.0074	.0045	.00054	.0022	.00018	.2064
%RSD	67.494	.76618	.64453	.39868	14.404	122.2	92.161	5.0507
#1	.00343	.96752	1.1341	1.1307	.00355	-.0007	.00031	4.3206
#2	.00643	.95441	1.1470	1.1377	.00334	.0025	-.00001	3.9342
#3	.01375	.96683	1.1467	1.1392	.00437	.0034	.00029	4.0019

Sample Name: ICSAB01 Acquired: 4/10/2019 17:46:04 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg <.00000
Stddev .20514
%RSD 4.9483

#1 -3.9306
#2 -4.1675
#3 -4.3391

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4127.7	65617.	5963.1	78.147	3688.2
Stddev	5.5	162.	20.5	1.244	7.8
%RSD	.13330	.24617	.34300	1.5918	.21091

#1	4133.3	65610.	5939.8	78.976	3693.9
#2	4127.3	65460.	5971.9	76.716	3679.3
#3	4122.3	65782.	5977.7	78.747	3691.3

Sample Name: CCV01 Acquired: 4/10/2019 17:50:28 Type: Unk
Method: P4-ICP2(v3043) 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	4.8895	4.8953	4.8539	4.8340	4.9042	9.9817	9.9349	.24691
Stddev	.0100	.0038	.0055	.0138	.0109	.0725	.0211	.00082
%RSD	.20455	.07716	.11414	.28607	.22188	.72640	.21228	.33165
#1	4.8975	4.8995	4.8584	4.8492	4.9135	9.8983	9.9130	.24738
#2	4.8927	4.8941	4.8477	4.8306	4.9070	10.029	9.9366	.24738
#3	4.8783	4.8923	4.8556	4.8222	4.8923	10.018	9.9551	.24596
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4310	25.259	1.0153	2.4429	1.2271	5.0161	2.5351	24.939
Stddev	.0000	.078	.0012	.0021	.0019	.0092	.0015	.265
%RSD	.00144	.30809	.11521	.08496	.15465	.18395	.06125	1.0627
#1	2.4310	25.178	1.0154	2.4406	1.2261	5.0198	2.5365	24.850
#2	2.4310	25.267	1.0164	2.4446	1.2293	5.0228	2.5355	24.731
#3	2.4310	25.333	1.0140	2.4436	1.2261	5.0055	2.5334	25.238
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4560	1.2430	25.143	2.5182	2.4054	24.700	4.9985	4.9842
Stddev	.0048	.0014	.068	.0045	.0018	.093	.0073	.0492
%RSD	.19651	.11352	.27091	.17950	.07612	.37745	.14546	.98755
#1	2.4571	1.2413	25.065	2.5184	2.4033	24.600	5.0054	4.9292
#2	2.4601	1.2440	25.185	2.5226	2.4068	24.717	4.9994	4.9996
#3	2.4507	1.2435	25.181	2.5135	2.4061	24.785	4.9909	5.0240
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 4.7195	4.8193	4.9072	5.0207	4.9658	4.803	5.0506	F 3.1057
Stddev	.0143	.0262	.0041	.0118	.0048	.015	.0065	.0889
%RSD	.30329	.54464	.08382	.23420	.09746	.3010	.12910	2.8632
#1	4.7313	4.8386	4.9072	5.0138	4.9689	4.815	5.0571	3.0083
#2	4.7236	4.8299	4.9031	5.0139	4.9682	4.807	5.0507	3.1824
#3	4.7035	4.7894	4.9113	5.0342	4.9602	4.787	5.0440	3.1265

Sample Name: CCV01 Acquired: 4/10/2019 17:50:28 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCV01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 2.6596
Stddev	.2625
%RSD	9.8698

#1	2.9041
#2	2.6925
#3	2.3822

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4443.9	69584.	6083.6	81.226	4114.3
Stddev	4.9	86.	20.9	1.738	2.5
%RSD	.11099	.12384	.34336	2.1402	.06072

#1	4438.8	69633.	6068.9	79.231	4113.2
#2	4444.2	69484.	6074.5	82.418	4117.2
#3	4448.7	69634.	6107.5	82.028	4112.6

Sample Name: LLCCV01 Acquired: 4/10/2019 17:54:27 Type: Unk
Method: P4-ICP2(v3043) 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	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02003	.04154	.01334	.02018	.05147	.10160	.10768	.00617
Stddev	.00018	.00136	.00023	.00075	.00052	.00769	.00123	.00004
%RSD	.91715	3.2782	1.7041	3.7268	1.0090	7.5684	1.1450	.64151
#1	.02022	.04252	.01324	.02046	.05090	.10683	.10625	.00615
#2	.01986	.04210	.01317	.02075	.05191	.09277	.10838	.00616
#3	.02000	.03998	.01359	.01933	.05160	.10519	.10840	.00622
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00586	2.1543	.01052	.03020	.01968	.10960	.02285	2.1772
Stddev	.00004	.0037	.00023	.00012	.00040	.00026	.00009	.0103
%RSD	.74338	.17034	2.1456	.41309	2.0358	.24172	.40890	.47243
#1	.00588	2.1548	.01030	.03006	.01960	.10954	.02275	2.1653
#2	.00589	2.1576	.01076	.03022	.01932	.10938	.02286	2.1832
#3	.00581	2.1503	.01051	.03031	.02011	.10990	.02293	2.1830
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04161	.01087	2.0927	.04270	.03876	2.0675	.22098	.11486
Stddev	.00036	.00043	.0181	.00027	.00012	.0169	.00192	.00855
%RSD	.86850	3.9510	.86299	.63149	.29764	.81779	.87091	7.4411
#1	.04148	.01096	2.0747	.04239	.03889	2.0718	.22095	.10608
#2	.04133	.01041	2.0927	.04284	.03867	2.0818	.21908	.11533
#3	.04201	.01125	2.1108	.04287	.03872	2.0488	.22293	.12315
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00357	.35756	.04083	.04622	.02072	.0190	.02177	F .58511
Stddev	.00130	.00254	.00014	.00056	.00056	.0008	.00012	.27600
%RSD	36.389	.70951	.35041	1.2072	2.6812	3.979	.56312	47.170
#1	.00438	.36041	.04067	.04645	.02009	.0184	.02191	.49357
#2	.00427	.35554	.04092	.04663	.02097	.0187	.02172	.89525
#3	.00207	.35672	.04091	.04558	.02112	.0198	.02169	.36651

Sample Name: LLCCV01 Acquired: 4/10/2019 17:54:27 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: LLCCV01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F .14663
Stddev	.25192
%RSD	171.81

#1	-.11637
#2	.17048
#3	.38577

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4649.8	72370.	6218.4	84.617	4559.2
Stddev	7.1	153.	20.3	2.376	10.7
%RSD	.15269	.21127	.32580	2.8081	.23530

#1	4644.0	72525.	6196.5	82.283	4554.2
#2	4657.7	72366.	6222.4	84.533	4551.8
#3	4647.6	72219.	6236.4	87.033	4571.5

Sample Name: CCB01 Acquired: 4/10/2019 17:58:56 Type: Unk
Method: P4-ICP2(v3043) 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	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00369	.00079	.00057	-.00160	.00007	-.01028	.00053	.00003
Stddev	.00109	.00039	.00066	.00292	.00138	.01165	.00023	.00010
%RSD	29.543	49.055	115.98	182.49	2062.1	113.32	43.996	328.07
#1	.00483	.00039	.00126	-.00485	.00038	-.00108	.00076	.00001
#2	.00266	.00117	-.00005	-.00078	.00126	-.00638	.00029	-.00006
#3	.00357	.00083	.00049	.00082	-.00144	-.02337	.00054	.00014
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	-.00336	-.00028	.00021	-.00158	.00541	.00046	.04598
Stddev	.00002	.00856	.00017	.00011	.00034	.00051	.00003	.00692
%RSD	39.052	254.69	61.261	49.867	21.321	9.3955	6.4463	15.054
#1	-.00003	-.01128	-.00021	.00012	-.00175	.00519	.00043	.03884
#2	-.00006	-.00451	-.00047	.00020	-.00180	.00599	.00046	.04642
#3	-.00004	.00571	-.00015	.00033	-.00119	.00505	.00049	.05266
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.00035	-.07209	.00009	.00233	-.03326	-.00013	-.00891
Stddev	.00002	.00020	.00475	.00020	.00021	.02986	.00009	.00182
%RSD	13.321	58.474	6.5867	235.20	8.9944	89.782	67.500	20.471
#1	.00017	.00037	-.06708	.00032	.00255	-.06142	-.00019	-.00912
#2	.00018	.00013	-.07653	-.00004	.00229	-.03643	-.00016	-.00699
#3	.00014	.00054	-.07264	-.00002	.00214	-.00194	-.00003	-.01062
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .01993	-.03207	.00396	.00128	F .00864	.0007	.00006	F .52849
Stddev	.00128	.00127	.00081	.00186	.00105	.0004	.00004	.32330
%RSD	6.4178	3.9603	20.521	144.74	12.112	59.53	68.280	61.174
#1	.02118	-.03245	.00465	-.00014	.00892	.0002	.00010	.87344
#2	.01999	-.03066	.00416	.00339	.00748	.0008	.00006	.23241
#3	.01862	-.03311	.00306	.00061	.00952	.0010	.00002	.47961

Sample Name: CCB01 Acquired: 4/10/2019 17:58:56 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCB01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F .11366
Stddev	.16750
%RSD	147.37

#1	-.04635
#2	.09957
#3	.28776

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4658.7	72013.	6191.2	84.778	4558.2
Stddev	7.3	57.	24.1	1.342	2.1
%RSD	.15594	.07927	.38882	1.5835	.04713

#1	4652.0	72075.	6186.0	84.225	4558.1
#2	4666.4	71963.	6217.5	86.308	4556.0
#3	4657.5	72000.	6170.2	83.800	4560.3

Sample Name: LR CHECK 1 Acquired: 4/10/2019 18:03:16 Type: Unk
Method: P4-ICP2(v3043) 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	-.11507	-.19647	.26783	-.09005	.07386	1842.7	.01118	.02177
Stddev	.00909	.01097	.00332	.00813	.00288	7.0	.00021	.00026
%RSD	7.9022	5.5855	1.2397	9.0280	3.8986	.38255	1.9209	1.1958

#1	-.11734	-.20786	.26402	-.08389	.07065	1834.6	.01102	.02206
#2	-.12281	-.19558	.26937	-.08700	.07622	1847.4	.01142	.02172
#3	-.10505	-.18597	.27009	-.09926	.07472	1846.1	.01109	.02154

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14958	1627.9	-.10452	.08379	1.4140	954.62	.03492	1939.0
Stddev	.00169	7.8	.00066	.00041	.0041	4.19	.00022	2.3
%RSD	1.1330	.47801	.63520	.49383	.28680	.43849	.61833	.11791

#1	.15005	1619.8	-.10413	.08426	1.4168	951.41	.03467	1937.2
#2	.14771	1635.3	-.10528	.08362	1.4159	959.36	.03500	1938.1
#3	.15100	1628.7	-.10414	.08349	1.4094	953.10	.03508	1941.6

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.07139	-.19658	1948.8	.04087	.16051	907.75	-.01428	-.61644
Stddev	.00179	.00156	25.0	.00100	.00065	1.92	.00040	.01574
%RSD	2.5013	.79201	1.2843	2.4532	.40471	.21169	2.8088	2.5529

#1	-.07330	-.19523	1977.6	.04202	.16125	909.57	-.01468	-.62666
#2	-.06977	-.19623	1932.2	.04023	.16003	905.74	-.01388	-.59831
#3	-.07109	-.19829	1936.6	.04035	.16025	907.93	-.01426	-.62433

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41764	-.03572	.04596	-.05311	.02911	.0532	-1.0356	<.00000
Stddev	.02305	.00658	.00167	.00276	.00048	.0028	.0046	.40516
%RSD	5.5196	18.434	3.6312	5.1904	1.6613	5.176	.44890	9.4532

#1	.40861	-.03841	.04416	-.05565	.02915	.0511	-1.0320	-3.8489
#2	.40047	-.04053	.04746	-.05018	.02957	.0520	-1.0409	-4.6491
#3	.44384	-.02821	.04625	-.05351	.02861	.0563	-1.0340	-4.3597

Sample Name: LR CHECK 1 Acquired: 4/10/2019 18:03:16 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg ^ *****
Stddev -----
%RSD -----

#1 ^ -----
#2 -253.15
#3 ^ -----

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3096.8	50823.	5263.1	56.705	2048.7
Stddev	6.6	125.	18.5	2.287	4.2
%RSD	.21377	.24590	.35178	4.0325	.20325

#1	3094.2	50938.	5280.4	58.132	2044.5
#2	3091.9	50690.	5243.5	57.916	2052.8
#3	3104.3	50842.	5265.3	54.068	2048.7

Sample Name: LR CHECK 2 Acquired: 4/10/2019 18:15:58 Type: Unk
Method: P4-ICP2(v3043) 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	-.01628	241.52	.02021	-.00900	-.26975	91.055	-.00343
Stddev	.00270	.00135	1.75	.00184	.00023	.01091	.601	.00006
%RSD	119.22	8.2993	.72632	9.0874	2.5859	4.0448	.66028	1.6354

#1	-.00060	-.01649	242.98	.02230	-.00923	-.26214	91.579	-.00347
#2	.00478	-.01484	242.01	.01887	-.00877	-.26487	90.399	-.00345
#3	.00262	-.01752	239.57	.01946	-.00898	-.28225	91.187	-.00336

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00605	.14295	-.13416	.00971	247.45	-.76676	42.890	-.05729
Stddev	.00010	.01270	.00071	.00009	.74	.00346	.210	.01542
%RSD	1.6242	8.8854	.52795	.93123	.29887	.45142	.49056	26.913

#1	-.00602	.13805	-.13458	.00981	247.10	-.76720	42.963	-.07253
#2	-.00616	.15738	-.13456	.00965	248.30	-.76999	43.053	-.05763
#3	-.00597	.13344	-.13334	.00966	246.96	-.76311	42.652	-.04170

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.965	.00893	1.4000	-.13185	32.229	11.725	-.01034	-.00489
Stddev	.034	.00026	.0651	.00080	.324	.065	.00045	.01537
%RSD	.07033	2.8667	4.6518	.60858	1.0054	.55538	4.3530	314.33

#1	47.939	.00910	1.4585	-.13243	31.945	11.650	-.00985	.01262
#2	48.003	.00905	1.4117	-.13218	32.159	11.761	-.01044	-.01618
#3	47.953	.00863	1.3298	-.13093	32.582	11.765	-.01074	-.01111

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12208	-.03393	.00003	.02357	.00096	-.0495	.00243	2.0064
Stddev	.00450	.00031	.00106	.00093	.00167	.0047	.00009	.0925
%RSD	3.6832	.90715	3350.8	3.9618	173.30	9.418	3.8847	4.6077

#1	.12658	-.03370	.00096	.02341	.00220	-.0442	.00249	1.9975
#2	.11759	-.03381	-.00113	.02457	-.00093	-.0512	.00247	1.9188
#3	.12206	-.03428	.00026	.02272	.00162	-.0531	.00232	2.1030

Sample Name: LR CHECK 2 Acquired: 4/10/2019 18:15:58 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	1.0556
Stddev	.1682
%RSD	15.935

#1	.89415
#2	1.2298
#3	1.0428

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4254.9	69771.	6080.7	82.169	4309.0
Stddev	5.4	224.	34.3	.098	6.7
%RSD	.12653	.32119	.56418	.11885	.15644

#1	4253.0	69726.	6058.7	82.242	4304.4
#2	4250.7	69573.	6063.2	82.208	4305.9
#3	4261.0	70014.	6120.3	82.058	4316.7

Sample Name: K2203-05 Acquired: 4/10/2019 18:21:38 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: SU-04-040919 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02709	-.02812	.55933	.03201	.00203	137.10	.61661
Stddev	.00130	.00053	.01313	.00134	.00182	.12	.00230
%RSD	4.8051	1.8889	2.3479	4.1750	89.383	.09091	.37224

#1	.02622	-.02865	.57097	.03308	.00413	137.22	.61870
#2	.02647	-.02813	.56192	.03244	.00105	137.12	.61699
#3	.02859	-.02759	.54509	.03052	.00092	136.97	.61415

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00952	.00292	51.742	.22415	.14425	.70323	217.11
Stddev	.00006	.00004	.049	.00127	.00045	.00107	.32
%RSD	.68057	1.2629	.09487	.56603	.31419	.15225	.14793

#1	.00952	.00288	51.687	.22301	.14429	.70428	217.43
#2	.00958	.00296	51.759	.22552	.14468	.70328	217.10
#3	.00945	.00292	51.781	.22392	.14378	.70214	216.79

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8391	45.831	.22617	-.01184	11.656	.44667	.77048
Stddev	.0440	.239	.00060	.00025	.097	.00206	.00171
%RSD	.90849	.52064	.26425	2.1493	.83546	.46116	.22226

#1	4.8713	45.804	.22650	-.01157	11.755	.44442	.77230
#2	4.8570	46.082	.22654	-.01185	11.651	.44846	.77024
#3	4.7890	45.607	.22549	-.01208	11.561	.44713	.76890

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8802	.00236	.15534	2.9291	3.3614	.02019	4.2685
Stddev	.0264	.00015	.00427	.0157	.0247	.00070	.0092
%RSD	.26689	6.2555	2.7471	.53632	.73457	3.4619	.21632

#1	9.8551	.00230	.15203	2.9122	3.3596	.02093	4.2579
#2	9.9077	.00225	.16016	2.9434	3.3869	.01954	4.2749
#3	9.8778	.00253	.15384	2.9316	3.3376	.02011	4.2727

Sample Name: K2203-05 Acquired: 4/10/2019 18:21:38 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: SU-04-040919 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.13018	7.143	-.01917	<.00000	F<.00000
Stddev	.00084	.015	.00046	.08331	.14114
%RSD	.64472	.2078	2.3909	1.6841	.45172
#1	.12923	7.140	-.01963	-4.9056	-31.375
#2	.13080	7.130	-.01917	-5.0430	-31.266
#3	.13051	7.159	-.01871	-4.8926	-31.095
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5100.6	79992.	7191.2	78.370	3830.7
Stddev	4.6	260.	21.1	1.319	5.8
%RSD	.09028	.32538	.29355	1.6826	.15136
#1	5097.2	79731.	7168.2	78.429	3831.0
#2	5098.9	79994.	7195.9	79.659	3824.8
#3	5105.9	80252.	7209.6	77.023	3836.4

Sample Name: K2203-07 Acquired: 4/10/2019 18:26:11 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: SU-04-040919 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02675	-.02184	.32644	.02786	-.00010	91.112	.47737
Stddev	.00124	.00127	.00256	.00204	.00053	.637	.00236
%RSD	4.6540	5.8114	.78416	7.3324	505.12	.69869	.49428

#1	.02571	-.02040	.32883	.03011	.00049	90.482	.47537
#2	.02640	-.02229	.32673	.02612	-.00031	91.098	.47677
#3	.02813	-.02282	.32374	.02736	-.00049	91.755	.47998

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00790	.00445	60.915	.15414	.12958	.45916	185.82
Stddev	.00002	.00027	.293	.00061	.00023	.00088	.06
%RSD	.29084	6.0923	.48059	.39486	.17574	.19133	.03303

#1	.00788	.00473	60.579	.15345	.12984	.45997	185.83
#2	.00791	.00444	61.115	.15438	.12942	.45929	185.88
#3	.00792	.00418	61.050	.15459	.12949	.45822	185.76

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.9748	42.329	.18519	-.01228	6.3940	.28334	.74420
Stddev	.0203	.350	.00070	.00037	.0077	.00029	.00220
%RSD	.51099	.82690	.37803	3.0382	.12086	.10225	.29526

#1	3.9513	41.967	.18523	-.01256	6.3883	.28301	.74478
#2	3.9873	42.354	.18448	-.01243	6.3908	.28356	.74604
#3	3.9856	42.665	.18587	-.01186	6.4028	.28344	.74177

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.168	.00283	.09650	4.7752	2.8711	.01532	2.4750
Stddev	.073	.00015	.01568	.0083	.0294	.00086	.0095
%RSD	.59602	5.1378	16.244	.17297	1.0237	5.6085	.38379

#1	12.084	.00282	.11458	4.7817	2.8581	.01455	2.4646
#2	12.206	.00297	.08662	4.7779	2.9047	.01517	2.4833
#3	12.214	.00268	.08831	4.7659	2.8504	.01625	2.4771

Sample Name: K2203-07 Acquired: 4/10/2019 18:26:11 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: SU-04-040919 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10931	F 11.30	-.07349	<.00000	F<.00000
Stddev	.00100	.03	.00041	.28343	1.0134
%RSD	.91299	.2415	.55995	2.8994	3.5111

#1	.10940	11.27	-.07384	-9.6512	-30.031
#2	.10827	11.32	-.07304	-9.5750	-28.215
#3	.11026	11.31	-.07359	-10.100	-28.344

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5693.1	89354.	8056.4	78.809	3854.3
Stddev	15.5	103.	36.4	1.736	10.7
%RSD	.27213	.11503	.45202	2.2029	.27796

#1	5683.3	89452.	8034.2	79.725	3846.4
#2	5685.1	89363.	8036.6	76.807	3850.0
#3	5711.0	89247.	8098.4	79.896	3866.5

Sample Name: K2342-03 Acquired: 4/10/2019 18:30:43 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-11-S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19474	-.02890	15.275	.06320	.02797	102.74	6.1825
Stddev	.00425	.00177	.031	.00125	.00117	.56	.0267
%RSD	2.1814	6.1272	.20134	1.9814	4.1845	.54088	.43262

#1	.19804	-.02737	15.309	.06457	.02703	102.12	6.1575
#2	.18995	-.02850	15.249	.06212	.02928	103.19	6.2107
#3	.19623	-.03084	15.268	.06292	.02760	102.91	6.1792

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01162	.03279	143.58	.86923	.14638	5.0271	307.33
Stddev	.00015	.00022	.61	.00125	.00031	.0059	.13
%RSD	1.2675	.67719	.42781	.14429	.21139	.11806	.04386

#1	.01177	.03279	144.16	.86919	.14620	5.0273	307.43
#2	.01161	.03257	142.94	.87050	.14621	5.0211	307.18
#3	.01148	.03302	143.63	.86800	.14674	5.0329	307.38

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.7697	52.681	.72574	-.00391	15.128	.60517	11.163
Stddev	.0206	.363	.00138	.00072	.079	.00058	.042
%RSD	.43200	.68947	.19052	18.408	.52439	.09608	.37361

#1	4.7599	52.329	.72710	-.00409	15.082	.60500	11.208
#2	4.7558	53.055	.72433	-.00312	15.220	.60469	11.125
#3	4.7934	52.659	.72578	-.00452	15.083	.60582	11.155

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.2554	.03053	.61130	9.9017	2.3855	1.6657	4.4231
Stddev	.0656	.00020	.02388	.0454	.0255	.0061	.0115
%RSD	.79428	.65257	3.9063	.45862	1.0686	.36368	.25995

#1	8.1811	.03042	.59407	9.9360	2.4115	1.6630	4.4345
#2	8.2799	.03041	.60127	9.8502	2.3606	1.6616	4.4232
#3	8.3051	.03076	.63856	9.9189	2.3844	1.6727	4.4115

Sample Name: K2342-03 Acquired: 4/10/2019 18:30:43 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-11-S Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.13331	F 16.00	.52757	<.00000	F<.00000
Stddev	.00014	.11	.00260	.22770	.59336
%RSD	.10548	.6671	.49214	6.0317	1.1571

#1	.13317	16.12	.53046	-3.5185	-51.962
#2	.13331	15.91	.52542	-3.9530	-50.997
#3	.13345	15.96	.52685	-3.8538	-50.880

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4627.2	73355.	6677.4	78.423	3715.3
Stddev	4.8	248.	29.8	1.653	6.3
%RSD	.10480	.33870	.44646	2.1082	.17019

#1	4629.7	73637.	6654.7	79.136	3711.7
#2	4630.4	73170.	6711.1	76.533	3722.6
#3	4621.7	73258.	6666.2	79.601	3711.6

Sample Name: K2342-07 Acquired: 4/10/2019 18:35:15 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-11-D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17923	-.00862	18.691	.06029	.04666	49.461	4.6653
Stddev	.00078	.00120	.014	.00056	.00133	.079	.0026
%RSD	.43693	13.879	.07682	.93049	2.8520	.15950	.05593

#1	.17962	-.00975	18.707	.06091	.04514	49.370	4.6681
#2	.17832	-.00873	18.681	.05982	.04726	49.509	4.6629
#3	.17973	-.00737	18.684	.06013	.04759	49.503	4.6650

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00894	.01148	117.10	.21255	.08895	4.2274	229.51
Stddev	.00008	.00036	.27	.00098	.00050	.0044	2.18
%RSD	.92110	3.1082	.23123	.46136	.56212	.10421	.95094

#1	.00901	.01117	116.95	.21309	.08929	4.2273	231.27
#2	.00896	.01140	117.42	.21313	.08917	4.2231	230.19
#3	.00885	.01187	116.95	.21142	.08837	4.2319	227.07

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7689	14.375	.37927	.00025	6.9055	.24128	9.3347
Stddev	.0028	.061	.00041	.00065	.0155	.00193	.0122
%RSD	.16037	.42302	.10827	266.44	.22491	.79996	.13112

#1	1.7721	14.397	.37905	.00096	6.9153	.24133	9.3485
#2	1.7681	14.421	.37974	.00010	6.9136	.24319	9.3304
#3	1.7666	14.306	.37901	-.00033	6.8876	.23933	9.3252

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8841	.01953	.13850	F 12.208	2.1088	1.7480	1.7529
Stddev	.0197	.00009	.01305	.028	.0637	.0033	.0023
%RSD	.19926	.48143	9.4199	.23177	3.0226	.19108	.13288

#1	9.9032	.01957	.13433	12.225	2.0375	1.7483	1.7552
#2	9.8638	.01960	.15312	12.224	2.1602	1.7512	1.7527
#3	9.8852	.01942	.12804	12.175	2.1287	1.7446	1.7506

Sample Name: K2342-07 Acquired: 4/10/2019 18:35:15 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-11-D Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.10386	F 37.63	.42883	<.00000	F<.00000
Stddev	.00060	.11	.00267	.11357	.45632
%RSD	.57571	.2810	.62224	12.960	1.8029

#1	.10446	37.74	.42586	-.99881	-24.846
#2	.10385	37.64	.42960	-.85551	-25.330
#3	.10327	37.53	.43103	-.77455	-25.758

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4584.2	71828.	6514.5	81.202	3968.3
Stddev	8.8	441.	40.6	.810	8.3
%RSD	.19113	.61356	.62338	.99715	.20800

#1	4574.0	71463.	6495.1	80.807	3959.7
#2	4589.2	71704.	6487.3	82.133	3969.0
#3	4589.2	72318.	6561.2	80.666	3976.2

Sample Name: K2342-11 Acquired: 4/10/2019 18:39:30 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-12-S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09066	-.01039	7.1874	.04447	.02065	71.914	2.2111
Stddev	.00147	.00072	.0374	.00383	.00053	.361	.0071
%RSD	1.6206	6.9300	.52112	8.6033	2.5515	.50266	.32271

#1	.08986	-.01105	7.2301	.04522	.02011	72.101	2.2133
#2	.08976	-.01049	7.1603	.04032	.02067	71.497	2.2031
#3	.09235	-.00962	7.1718	.04786	.02116	72.144	2.2168

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00807	.01339	49.092	.23479	.08210	4.0728	179.90
Stddev	.00008	.00032	.398	.00046	.00112	.0297	.86
%RSD	.94141	2.3889	.81148	.19766	1.3642	.72927	.47684

#1	.00799	.01374	49.532	.23425	.08339	4.1064	180.19
#2	.00812	.01312	48.756	.23501	.08153	4.0502	178.93
#3	.00811	.01330	48.988	.23509	.08138	4.0617	180.56

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5973	30.875	.25251	-.00082	11.160	.27272	7.9808
Stddev	.0052	.044	.00246	.00047	.035	.00051	.0558
%RSD	.32304	.14096	.97374	58.058	.31294	.18724	.69859

#1	1.5918	30.925	.25532	-.00080	11.192	.27283	8.0439
#2	1.5980	30.843	.25071	-.00130	11.123	.27316	7.9383
#3	1.6021	30.858	.25151	-.00035	11.164	.27216	7.9602

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.670	.00731	.13145	7.1023	2.7492	.58615	1.6075
Stddev	.006	.00018	.00950	.0438	.0121	.00475	.0146
%RSD	.05082	2.4279	7.2255	.61714	.43930	.81065	.90835

#1	11.664	.00714	.14025	7.1521	2.7608	.59162	1.6225
#2	11.672	.00730	.12138	7.0697	2.7502	.58383	1.5933
#3	11.675	.00749	.13273	7.0851	2.7367	.58300	1.6065

Sample Name: K2342-11 Acquired: 4/10/2019 18:39:30 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-12-S Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.17432	8.960	.40529	<.00000	F<.00000
Stddev	.00173	.068	.00400	.06136	.26914
%RSD	.99313	.7581	.98712	2.9807	1.3767
#1	.17476	9.035	.40975	-2.1290	-19.556
#2	.17241	8.944	.40202	-2.0163	-19.814
#3	.17579	8.902	.40411	-2.0306	-19.276
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4786.8	75017.	6753.5	79.478	3942.2
Stddev	39.8	290.	57.9	.798	29.0
%RSD	.83160	.38642	.85779	1.0041	.73477
#1	4741.1	74937.	6691.0	79.495	3909.0
#2	4813.9	75339.	6805.4	78.672	3962.1
#3	4805.4	74776.	6764.1	80.268	3955.6

Sample Name: K2342-15 Acquired: 4/10/2019 18:43:46 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-12-D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47457	-.05513	4.2514	.04670	.28481	127.62	11.668
Stddev	.00090	.00152	.0034	.00348	.00198	.64	.129
%RSD	.18962	2.7526	.07876	7.4536	.69599	.50206	1.1088

#1	.47369	-.05382	4.2483	.04269	.28707	126.93	11.527
#2	.47455	-.05478	4.2550	.04852	.28334	127.73	11.781
#3	.47548	-.05680	4.2509	.04889	.28403	128.20	11.696

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01735	.03099	122.84	1.7205	1.9086	11.210	494.04
Stddev	.00018	.00029	.41	.0023	.0011	.006	3.01
%RSD	1.0187	.95013	.33346	.13455	.05803	.05038	.60982

#1	.01745	.03111	123.10	1.7179	1.9079	11.217	491.23
#2	.01715	.03065	123.06	1.7210	1.9099	11.208	497.22
#3	.01745	.03120	122.37	1.7225	1.9080	11.206	493.68

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.4900	36.721	.35960	-.06125	9.3125	.30546	21.567
Stddev	.0022	.140	.00086	.00052	.0312	.00039	.024
%RSD	.06250	.38024	.23809	.84782	.33511	.12608	.10985

#1	3.4878	36.741	.36059	-.06075	9.2873	.30527	21.543
#2	3.4921	36.572	.35919	-.06179	9.3028	.30590	21.590
#3	3.4902	36.849	.35903	-.06122	9.3474	.30521	21.566

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.162	.10648	.09538	F 154.88	1.1054	2.3621	2.6167
Stddev	.135	.00099	.00651	.26	.0105	.0029	.0056
%RSD	.51571	.93132	6.8225	.16469	.95292	.12432	.21261

#1	26.014	.10558	.09006	154.60	1.1042	2.3587	2.6105
#2	26.193	.10631	.09345	155.11	1.0956	2.3641	2.6183
#3	26.278	.10754	.10264	154.91	1.1165	2.3634	2.6212

Sample Name: K2342-15 Acquired: 4/10/2019 18:43:46 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-12-D Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19316	4.159	.60081	<.00000	F<.00000
Stddev	.00198	.013	.00745	.33177	.71751
%RSD	1.0257	.3093	1.2408	4.2580	.47087

#1	.19247	4.170	.60907	-7.5929	-153.15
#2	.19540	4.145	.59878	-7.6075	-151.73
#3	.19162	4.163	.59459	-8.1747	-152.26

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4684.4	74021.	6869.6	75.125	3484.2
Stddev	7.9	10.	65.5	1.624	3.0
%RSD	.16821	.01327	.95375	2.1618	.08691

#1	4675.4	74031.	6805.0	76.227	3480.7
#2	4690.0	74011.	6867.8	75.888	3485.5
#3	4687.8	74020.	6936.0	73.260	3486.3

Sample Name: K2343-03 Acquired: 4/10/2019 18:48:17 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-7-S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00903	-.00397	.04738	.01392	.00048	32.599	.15613
Stddev	.00222	.00140	.00070	.00355	.00122	.266	.00131
%RSD	24.531	35.307	1.4686	25.508	251.99	.81646	.83977

#1	.00653	-.00235	.04809	.01261	-.00009	32.312	.15477
#2	.00985	-.00480	.04735	.01120	-.00035	32.648	.15625
#3	.01073	-.00477	.04669	.01793	.00189	32.837	.15738

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00301	-.00158	6.4515	.04421	.02986	.13354	79.466
Stddev	.00008	.00005	.0446	.00039	.00010	.00088	.575
%RSD	2.6400	3.4570	.69176	.87964	.34654	.66180	.72408

#1	.00306	-.00152	6.4230	.04401	.02987	.13253	78.814
#2	.00292	-.00163	6.4285	.04466	.02975	.13412	79.682
#3	.00306	-.00158	6.5029	.04396	.02996	.13398	79.902

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2605	8.7011	.04762	-.00302	4.5761	.09788	.17399
Stddev	.0019	.1127	.00052	.00030	.0389	.00105	.00104
%RSD	.15311	1.2953	1.0847	9.9616	.85019	1.0696	.59720

#1	1.2588	8.5859	.04704	-.00315	4.5317	.09839	.17479
#2	1.2600	8.8112	.04779	-.00267	4.5926	.09668	.17438
#3	1.2626	8.7062	.04803	-.00323	4.6041	.09858	.17282

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0641	.00103	.04713	.18652	1.8642	.00418	1.0811
Stddev	.0418	.00012	.00875	.00167	.0347	.00091	.0058
%RSD	1.3651	11.604	18.561	.89721	1.8588	21.800	.54059

#1	3.0159	.00112	.03820	.18763	1.8906	.00396	1.0745
#2	3.0848	.00108	.04749	.18733	1.8771	.00518	1.0832
#3	3.0915	.00090	.05569	.18459	1.8250	.00340	1.0856

Sample Name: K2343-03 Acquired: 4/10/2019 18:48:17 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-7-S Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03439	2.246	-.04489	<.00000	F<.00000
Stddev	.00088	.008	.00053	.11127	.40717
%RSD	2.5583	.3598	1.1863	19.024	9.1491
#1	.03417	2.237	-.04429	-.64450	-4.8787
#2	.03536	2.253	-.04507	-.45651	-4.4042
#3	.03365	2.246	-.04531	-.65363	-4.0683
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4825.4	74044.	6532.3	84.159	4285.4
Stddev	4.0	172.	27.7	.925	6.2
%RSD	.08364	.23166	.42345	1.0986	.14473
#1	4823.9	74234.	6500.3	83.450	4284.8
#2	4822.4	73998.	6548.7	85.205	4279.5
#3	4830.0	73901.	6547.8	83.823	4291.8

Sample Name: K2343-07 Acquired: 4/10/2019 18:52:43 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-7-D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00741	-.01099	.05909	.02118	.00122	52.618	.32801
Stddev	.00223	.00031	.00109	.00080	.00116	.371	.00210
%RSD	30.060	2.8603	1.8393	3.7654	94.719	.70499	.63998

#1	.00910	-.01115	.06032	.02082	.00019	52.200	.32577
#2	.00825	-.01062	.05827	.02209	.00100	52.743	.32835
#3	.00489	-.01118	.05868	.02062	.00247	52.910	.32993

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00482	-.00221	23.557	.07460	.05165	.19596	118.65
Stddev	.00010	.00011	.104	.00039	.00017	.00022	.27
%RSD	2.0308	4.9819	.44180	.52724	.32769	.11245	.22563

#1	.00491	-.00209	23.496	.07416	.05150	.19608	118.59
#2	.00484	-.00223	23.497	.07473	.05162	.19610	118.41
#3	.00471	-.00231	23.677	.07491	.05183	.19571	118.94

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9988	19.868	.07452	-.00582	9.0728	.13782	.22955
Stddev	.0017	.178	.00031	.00010	.0348	.00022	.00041
%RSD	.05602	.89531	.41010	1.7311	.38372	.16298	.17971

#1	2.9970	19.689	.07446	-.00583	9.0326	.13798	.22925
#2	2.9992	19.869	.07485	-.00591	9.0941	.13756	.23002
#3	3.0003	20.045	.07425	-.00571	9.0917	.13792	.22938

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.1148	.00002	.07587	.16090	3.1717	.00590	1.8792
Stddev	.0713	.00017	.01447	.00275	.0813	.00035	.0092
%RSD	1.1660	821.66	19.068	1.7094	2.5646	5.9470	.49145

#1	6.0613	-.00017	.09248	.16188	3.2643	.00630	1.8789
#2	6.0874	.00016	.06907	.16303	3.1390	.00566	1.8701
#3	6.1958	.00007	.06605	.15780	3.1118	.00574	1.8885

Sample Name: K2343-07 Acquired: 4/10/2019 18:52:43 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-7-D Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04347	3.751	-.05050	<.00000	F<.00000
Stddev	.00081	.009	.00022	.35164	.19959
%RSD	1.8626	.2349	.43374	28.689	2.0776
#1	.04305	3.755	-.05025	-.90180	-9.7935
#2	.04296	3.757	-.05061	-1.1756	-9.6303
#3	.04440	3.741	-.05065	-1.5997	-9.3964
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4875.9	75219.	6639.9	81.052	4145.0
Stddev	9.3	255.	28.5	1.688	6.3
%RSD	.19015	.33873	.42984	2.0823	.15214
#1	4881.9	75377.	6627.8	80.579	4143.7
#2	4865.2	75354.	6672.5	79.651	4139.5
#3	4880.5	74925.	6619.4	82.925	4151.9

Sample Name: CCV02 Acquired: 4/10/2019 18:57:07 Type: Unk
Method: P4-ICP2(v3043) 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	4.7648	4.8249	4.7557	4.7429	4.8027	9.9165	9.9238	.24549
Stddev	.0081	.0013	.0109	.0117	.0061	.0686	.0626	.00086
%RSD	.17051	.02721	.22993	.24635	.12767	.69217	.63060	.35045
#1	4.7673	4.8264	4.7459	4.7559	4.7996	9.8398	9.8522	.24554
#2	4.7558	4.8241	4.7536	4.7333	4.7987	9.9375	9.9512	.24460
#3	4.7715	4.8241	4.7675	4.7396	4.8097	9.9722	9.9680	.24632
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4104	24.937	1.0258	2.4074	1.1940	4.9723	2.5280	24.893
Stddev	.0018	.065	.0021	.0032	.0023	.0042	.0008	.109
%RSD	.07543	.26080	.20678	.13105	.19015	.08346	.03084	.43629
#1	2.4095	24.928	1.0236	2.4054	1.1918	4.9693	2.5273	24.837
#2	2.4092	24.877	1.0261	2.4058	1.1964	4.9705	2.5279	24.824
#3	2.4125	25.006	1.0278	2.4111	1.1938	4.9770	2.5289	25.018
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4445	1.2422	25.078	2.5138	2.3528	24.636	4.8941	5.0265
Stddev	.0027	.0014	.157	.0066	.0019	.139	.0030	.0531
%RSD	.10985	.11344	.62531	.26397	.08285	.56554	.06204	1.0568
#1	2.4464	1.2408	24.906	2.5061	2.3520	24.476	4.8918	5.0057
#2	2.4415	1.2436	25.118	2.5178	2.3513	24.698	4.8931	4.9870
#3	2.4457	1.2423	25.212	2.5174	2.3550	24.733	4.8976	5.0869
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.6043	4.6025	4.8271	4.9286	4.8959	4.756	4.9845	F 2.2012
Stddev	.0060	.0204	.0090	.0106	.0071	.010	.0034	.1303
%RSD	.13035	.44432	.18730	.21458	.14414	.2177	.06757	5.9197
#1	4.6108	4.6225	4.8216	4.9394	4.8882	4.759	4.9862	2.2645
#2	4.5990	4.6034	4.8221	4.9182	4.8973	4.744	4.9866	2.2877
#3	4.6032	4.5816	4.8375	4.9283	4.9021	4.764	4.9806	2.0513

Sample Name: CCV02 Acquired: 4/10/2019 18:57:07 Type: Unk
Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 2.6724
Stddev .5250
%RSD 19.644

#1 3.1876
#2 2.1382
#3 2.6913

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4488.3	68625.	6086.4	80.793	4129.4
Stddev	4.0	75.	35.1	1.403	5.6
%RSD	.08854	.10963	.57673	1.7363	.13583

#1	4485.0	68695.	6045.8	81.076	4123.1
#2	4487.3	68635.	6105.3	82.033	4131.3
#3	4492.7	68545.	6107.9	79.271	4133.9

Sample Name: CCB02 Acquired: 4/10/2019 19:05:32 Type: Unk
Method: P4-ICP2(v3043) 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	.00034	.00021	.00265	-.00078	.00015	-.00541	.00112	-.00000
Stddev	.00050	.00076	.00058	.00145	.00127	.00693	.00011	.00007
%RSD	145.71	357.71	21.770	187.37	828.84	127.91	9.6628	2019.7

#1	-.00019	.00016	.00324	.00066	-.00093	-.00885	.00108	-.00008
#2	.00043	.00100	.00261	-.00225	.00155	.00256	.00104	.00001
#3	.00079	-.00052	.00209	-.00074	-.00016	-.00995	.00125	.00006

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.00817	-.00013	-.00005	.00162	.00473	.00024	.02525
Stddev	.00007	.00968	.00036	.00019	.00020	.00040	.00007	.01705
%RSD	482.24	118.46	278.49	364.44	12.473	8.3673	27.919	67.521

#1	-.00008	.00413	.00024	.00013	.00160	.00453	.00020	.01523
#2	-.00002	.01921	-.00016	-.00026	.00183	.00447	.00032	.04494
#3	.00006	.00117	-.00047	-.00004	.00143	.00518	.00021	.01559

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00029	.00059	-.01481	.00030	.00375	-.01215	.00009	-.00630
Stddev	.00021	.00056	.00199	.00038	.00007	.01397	.00024	.01791
%RSD	69.985	95.012	13.434	125.53	1.7894	115.00	267.93	284.30

#1	-.00014	.00112	-.01302	.00000	.00381	-.01689	.00035	-.01461
#2	-.00021	-.00000	-.01446	.00073	.00376	.00358	.00004	.01426
#3	-.00053	.00066	-.01695	.00018	.00368	-.02312	-.00012	-.01855

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00254	-.03155	.00064	.00276	.00538	.0017	.00009	.64405
Stddev	.00112	.00252	.00004	.00042	.00063	.0009	.00003	.11742
%RSD	44.148	7.9748	6.1155	15.145	11.687	56.75	31.369	18.232

#1	-.00176	-.02866	.00069	.00276	.00560	.0023	.00006	.75968
#2	-.00382	-.03322	.00061	.00318	.00588	.0021	.00010	.52491
#3	-.00203	-.03278	.00062	.00235	.00468	.0006	.00012	.64756

Sample Name: CCB02 Acquired: 4/10/2019 19:05:32 Type: Unk
 Method: P4-ICP2(v3043) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg .26119
 Stddev .47553
 %RSD 182.06

#1 -.28228
 #2 .46504
 #3 .60081

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4668.8	70450.	6066.2	83.361	4523.4
Stddev	4.3	281.	19.2	.629	12.0
%RSD	.09297	.39829	.31679	.75475	.26586

#1	4664.9	70216.	6052.0	83.158	4517.4
#2	4667.9	70372.	6058.5	82.858	4515.7
#3	4673.5	70761.	6088.0	84.067	4537.3