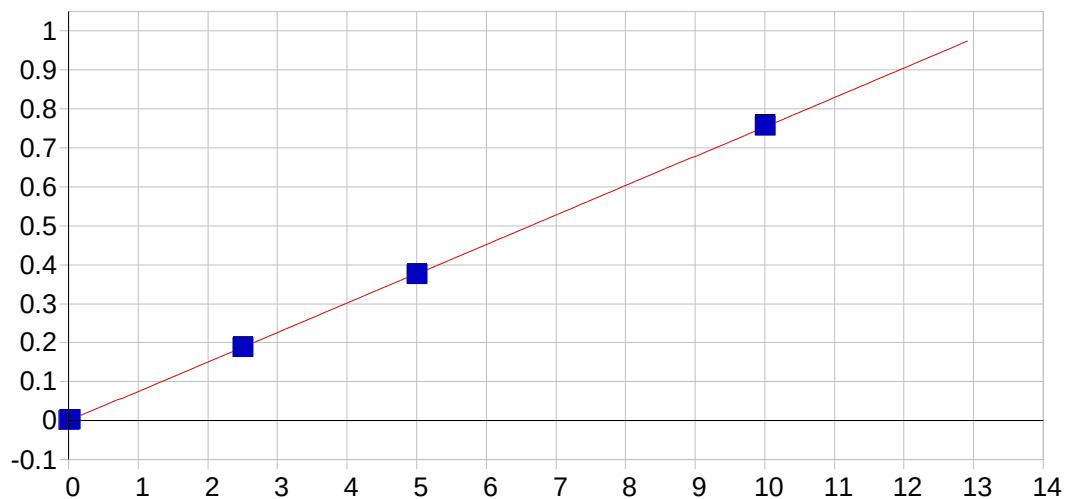


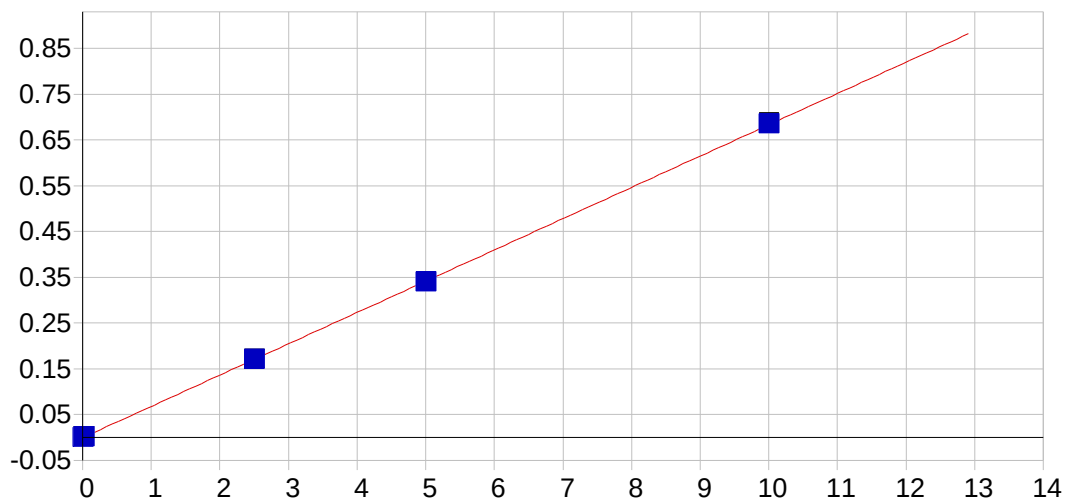


As 189.042 {478}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000301 Re-Slope: 1.000000
 A1 (Gain): 0.075425 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999993 Status: OK.
 Std Error of Est: 0.000007
 Predicted MDL: 0.002866
 Predicted MQL: 0.009554

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00030	.000	1
S1	.02000	.02068	.001	3.40	.00126	.000	1
S3	2.5000	2.4973	-.003	-.109	.18804	.001	1
S4	5.0000	4.9743	-.026	-.514	.37486	.002	1
S5	10.000	10.028	.028	.278	.75599	.003	1



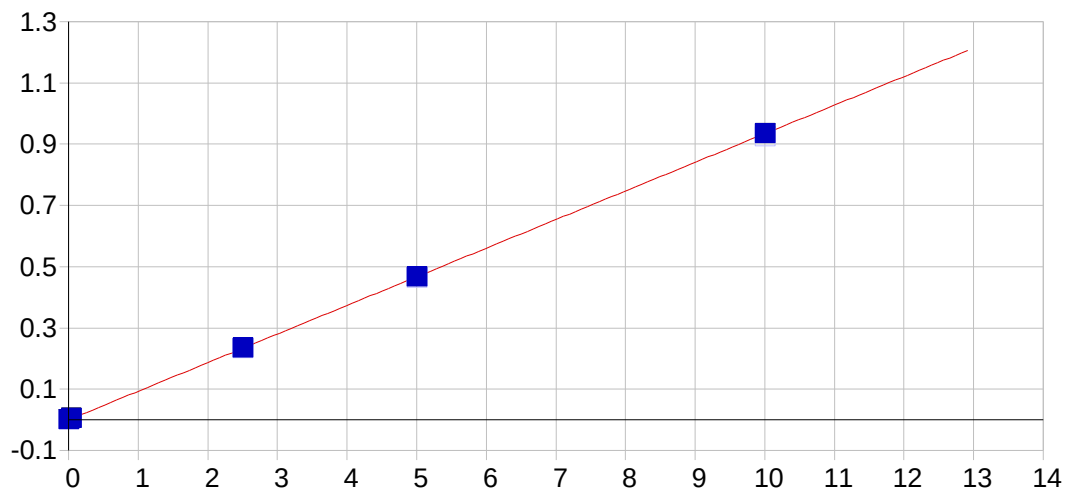
As 189.042 {479}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000230 Re-Slope: 1.000000

A1 (Gain): 0.068346 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999995 Status: OK.
 Std Error of Est: 0.000005
 Predicted MDL: 0.002336
 Predicted MQL: 0.007787

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00023	.000	1
S1	.02000	.02077	.001	3.86	.00119	.000	1
S3	2.5000	2.4990	-.001	-.041	.17057	.001	1
S4	5.0000	4.9791	-.021	-.419	.34007	.000	1
S5	10.000	10.021	.021	.212	.68468	.002	1

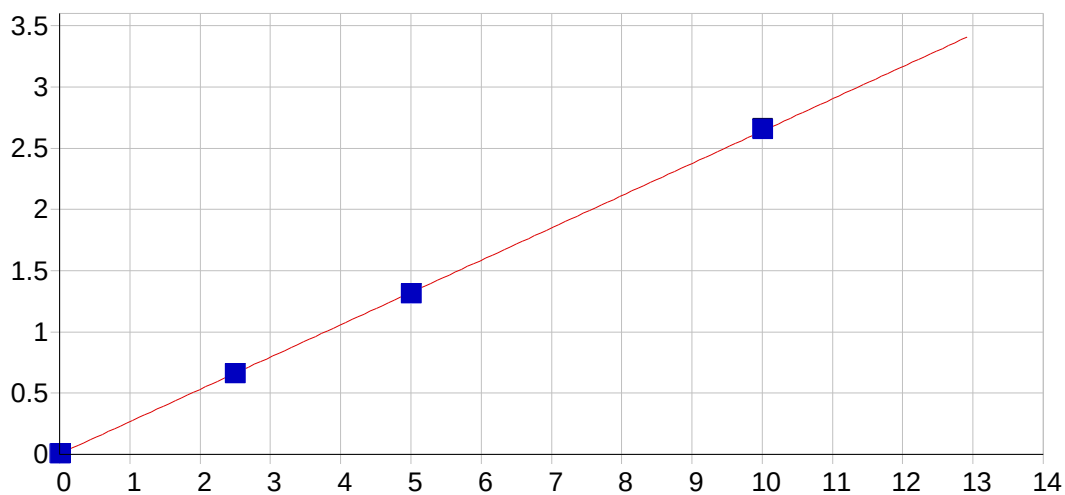


TI 190.856 {477}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000077 Re-Slope: 1.000000
 A1 (Gain): 0.093413 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999997 Status: OK.
 Std Error of Est: 0.000008
 Predicted MDL: 0.001660
 Predicted MQL: 0.005533

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00008	.000	1
S1	.04000	.04177	.002	4.42	.00373	.000	1
S3	2.5000	2.5086	.009	.344	.23186	.001	1
S4	5.0000	4.9950	-.005	-.099	.46174	.001	1
S5	10.000	9.9946	-.005	-.054	.92397	.002	1

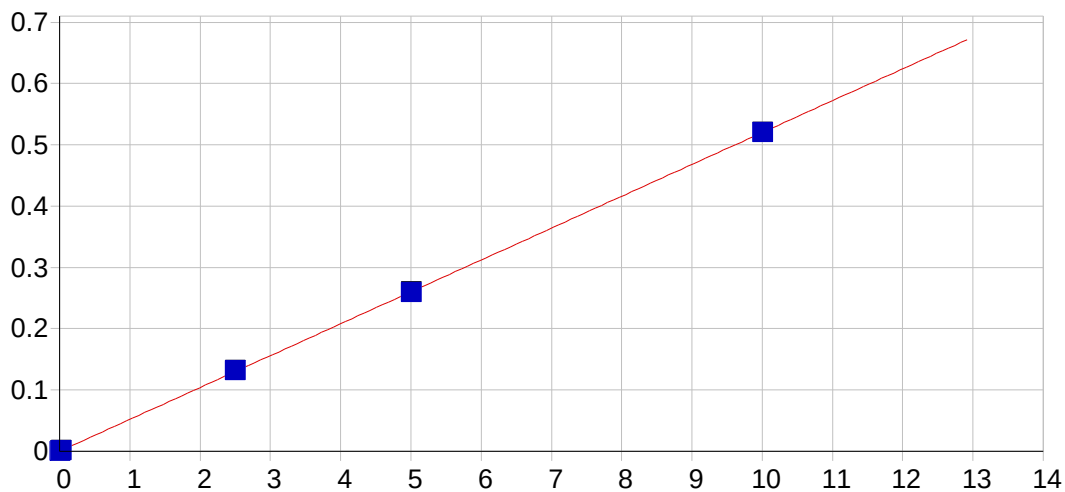


Pb 220.353 {453}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004004 Re-Slope: 1.000000
 A1 (Gain): 0.263481 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999975 Status: OK.
 Std Error of Est: 0.000034
 Predicted MDL: 0.000996
 Predicted MQL: 0.003321

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00400	.000	1
S1	.01200	.01145	-.001	-4.59	.00696	.000	1
S3	2.5000	2.4900	-.010	-.401	.65923	.001	1
S4	5.0000	4.9524	-.048	-.951	1.3072	.002	1
S5	10.000	10.058	.058	.581	2.6508	.004	1



Se 196.090 {472}

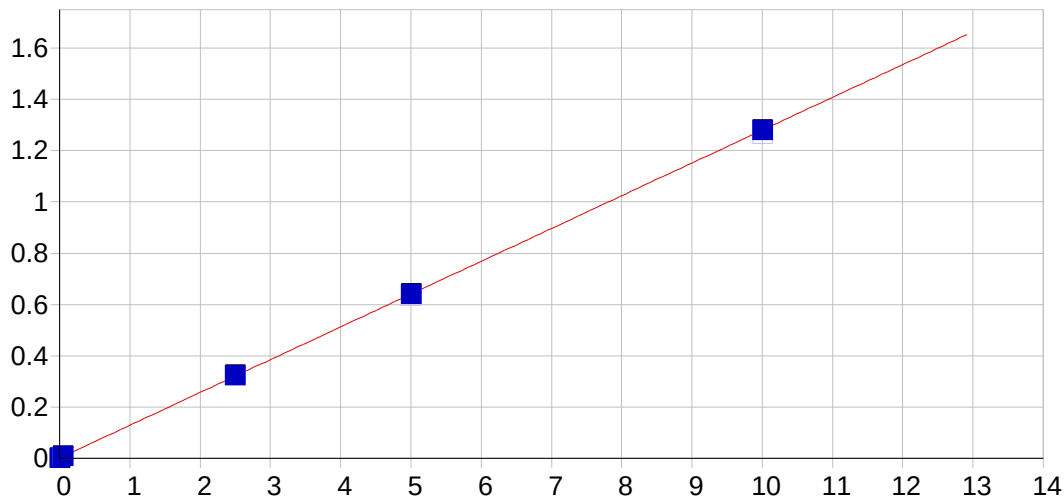
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000144 Re-Slope: 1.000000
 A1 (Gain): 0.051990 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999988
 Std Error of Est: 0.000006
 Predicted MDL: 0.003410
 Predicted MQL: 0.011366

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00014	.000	1
S1	.02000	.02113	.001	5.64	.00124	.000	1
S3	2.5000	2.5253	.025	1.01	.13137	.000	1
S4	5.0000	4.9793	-.021	-.414	.25888	.001	1
S5	10.000	9.9942	-.006	-.058	.51947	.000	1



Sb 206.833 {463}

Date of Fit: 3/14/2019 15:17:50

Type of Fit: Linear

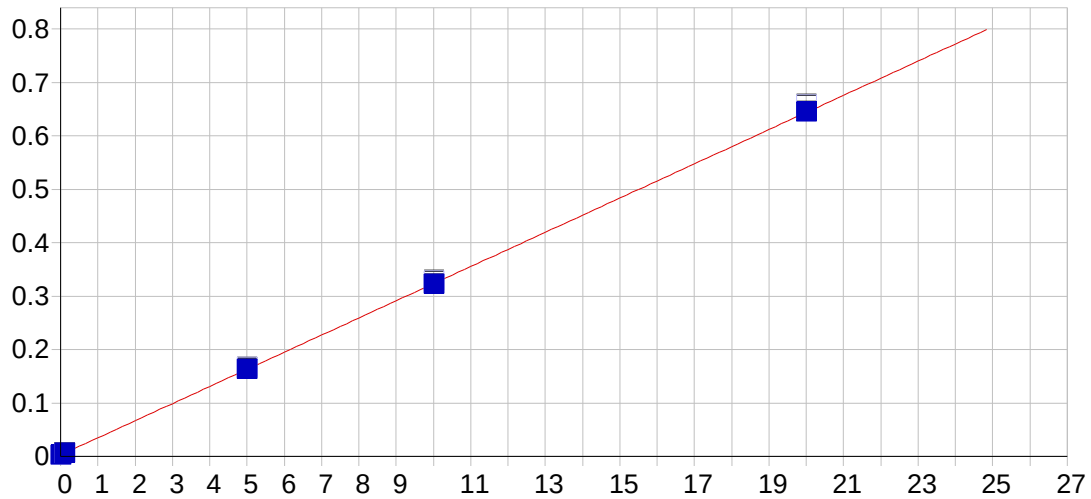
Weighting: 1/Conc

A0 (Offset): 0.001125
 A1 (Gain): 0.127883
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999995
 Std Error of Est: 0.000016
 Predicted MDL: 0.001902
 Predicted MQL: 0.006340

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	.00112	.000	1
S1	.05000	.04934	-.001	-1.32	.00727	.000	1
S3	2.5000	2.5192	.019	.767	.31969	.001	1
S4	5.0000	4.9915	-.009	-.171	.63226	.002	1
S5	10.000	9.9900	-.010	-.100	1.2643	.002	1

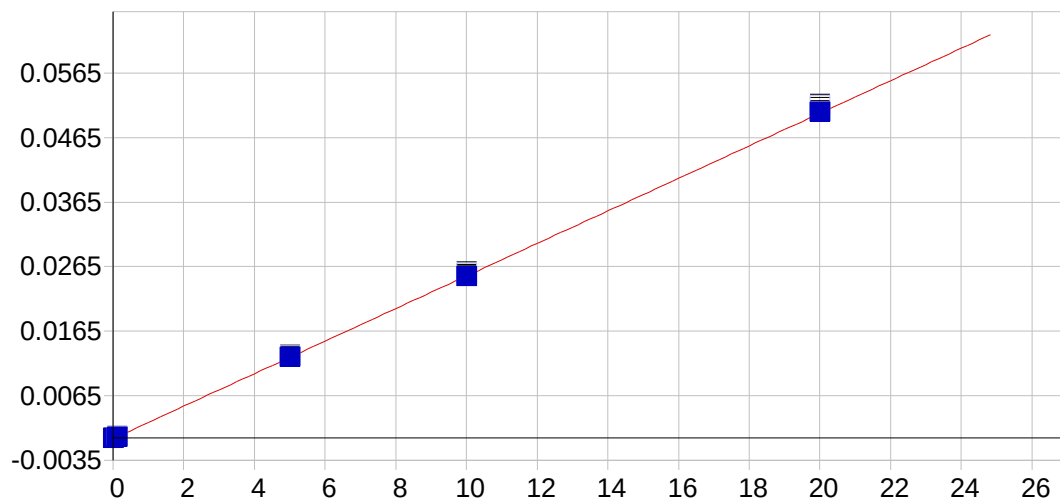


AI 308.215 {109}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002645 Re-Slope: 1.000000
 A1 (Gain): 0.032068 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999988 Status: OK.
 Std Error of Est: 0.000012
 Predicted MDL: 0.002873
 Predicted MQL: 0.009578

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00264	.000	1
S1	.10000	.10817	.008	8.17	.00634	.000	1
S3	5.0000	4.9997	-.000	-.006	.16617	.000	1
S4	10.000	9.9577	-.042	-.423	.32835	.001	1
S5	20.000	20.034	.034	.170	.65786	.001	1



AI 309.271 {109}

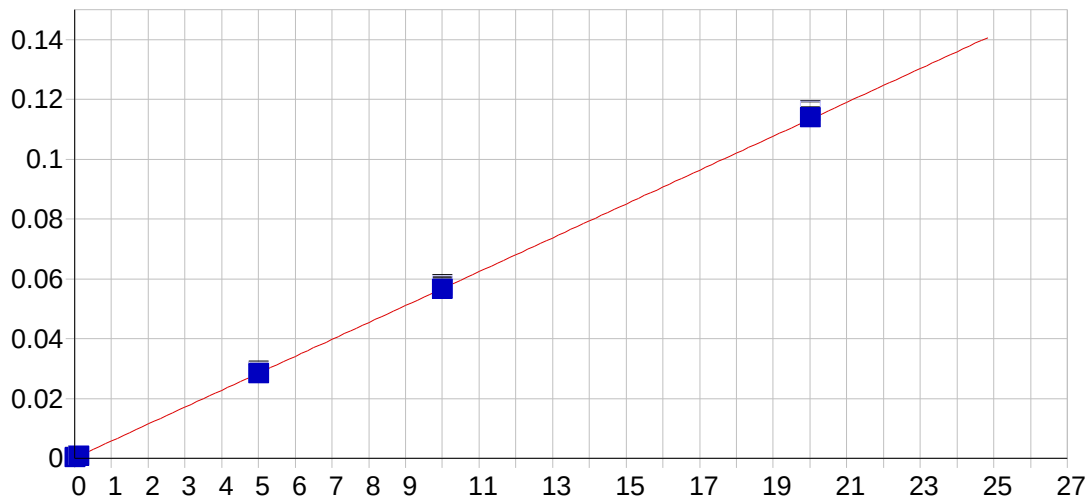
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000154 Re-Slope: 1.000000
 A1 (Gain): 0.002521 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994
 Std Error of Est: 0.000001
 Predicted MDL: 0.023516
 Predicted MQL: 0.078387

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00015	.000	1
S1	.10000	.10269	.003	2.69	.00012	.000	1
S3	5.0000	4.9880	-.012	-.240	.01267	.000	1
S4	10.000	9.9579	-.042	-.421	.02545	.000	1
S5	20.000	20.051	.051	.256	.05139	.000	1



AI 396.152 { 85}

Date of Fit: 3/14/2019 15:17:50

Type of Fit: Linear

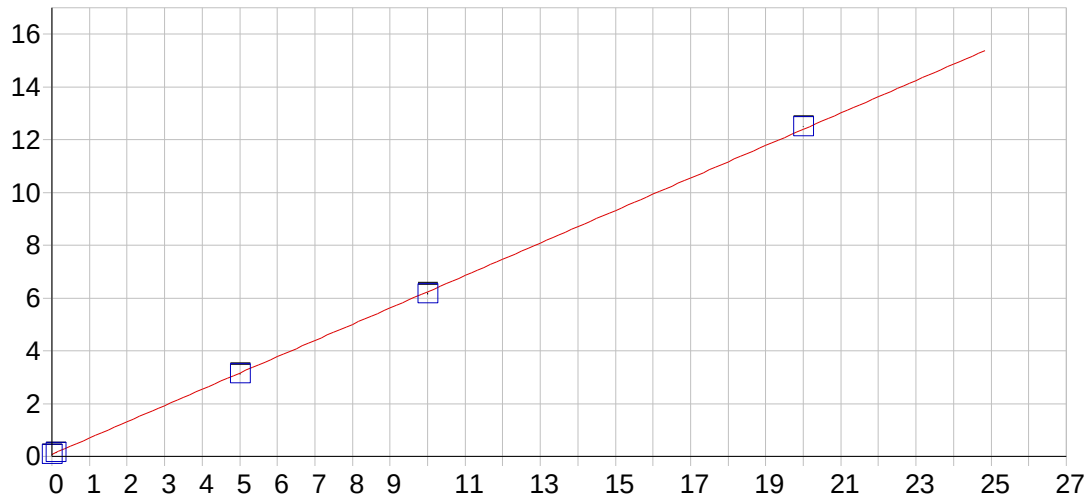
Weighting: 1/Conc

A0 (Offset): 0.000131
 A1 (Gain): 0.005660
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986
 Std Error of Est: 0.000002
 Predicted MDL: 0.015324
 Predicted MQL: 0.051080

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00013	.000	1
S1	.10000	.10397	.004	3.97	.00076	.000	1
S3	5.0000	4.9540	-.046	-.921	.02874	.000	1
S4	10.000	9.9630	-.037	-.370	.05765	.000	1
S5	20.000	20.079	.079	.395	.11603	.000	1

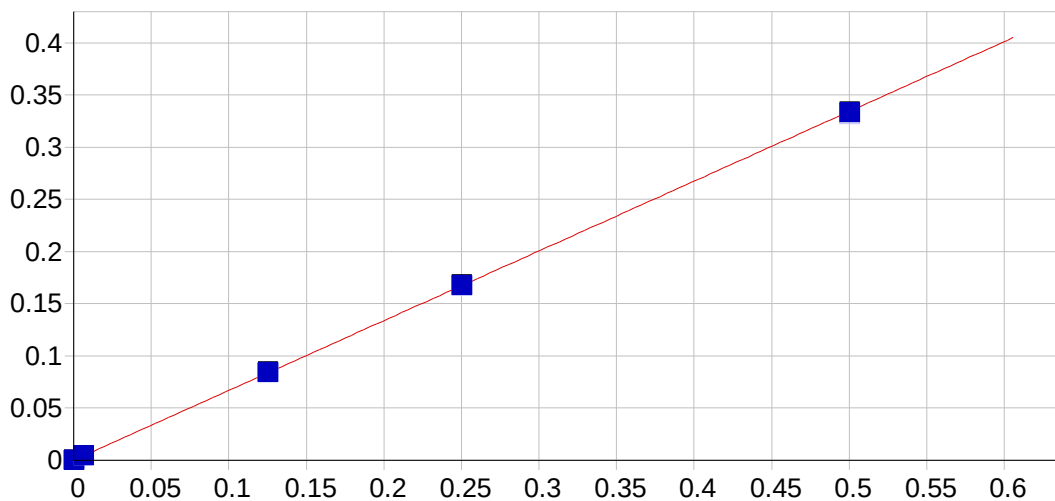


Ba 493.409 { 68}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.080590 Re-Slope: 1.000000
 A1 (Gain): 0.615786 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999957 Status: OK.
 Std Error of Est: 0.000436
 Predicted MDL: 0.004250
 Predicted MQL: 0.014166

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.08059	.003	1
S1	.10000	.09954	-.000	-.459	.14189	.002	1
S3	5.0000	4.9485	-.051	-1.03	3.1278	.016	1
S5	20.000	20.161	.161	.804	12.495	.011	1
S4	10.000	9.8912	-.109	-1.09	6.1715	.031	1



Be 234.861 {144}

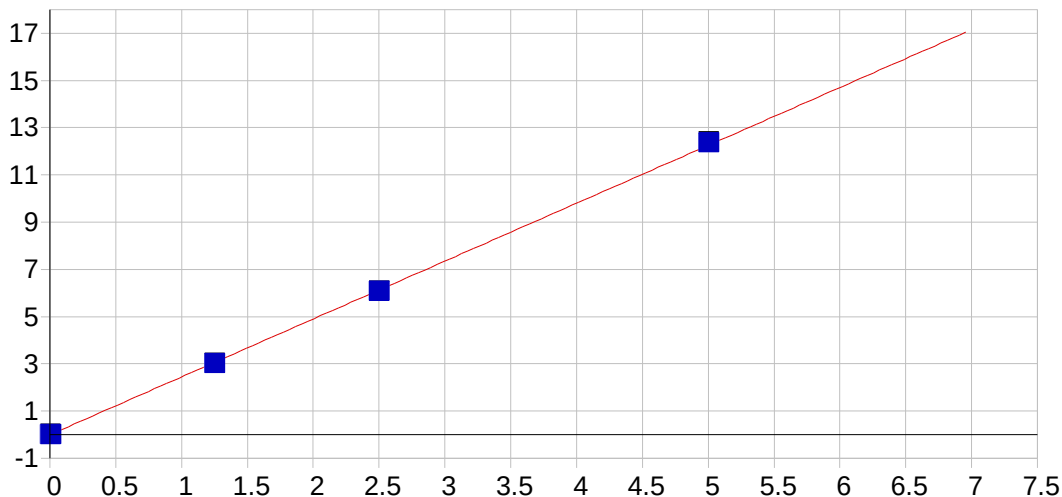
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000125 Re-Slope: 1.000000
 A1 (Gain): 0.668513 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999978
 Std Error of Est: 0.000013
 Predicted MDL: 0.000074
 Predicted MQL: 0.000248

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00012	.000	1
S1	.00600	.00637	.000	6.10	.00434	.000	1
S3	.12500	.12592	.001	.739	.08378	.000	1
S4	.25000	.25064	.001	.256	.16663	.000	1
S5	.50000	.49807	-.002	-.386	.33099	.000	1



Cd 226.502 {449}

Date of Fit: 3/14/2019 15:17:50

Type of Fit: Linear

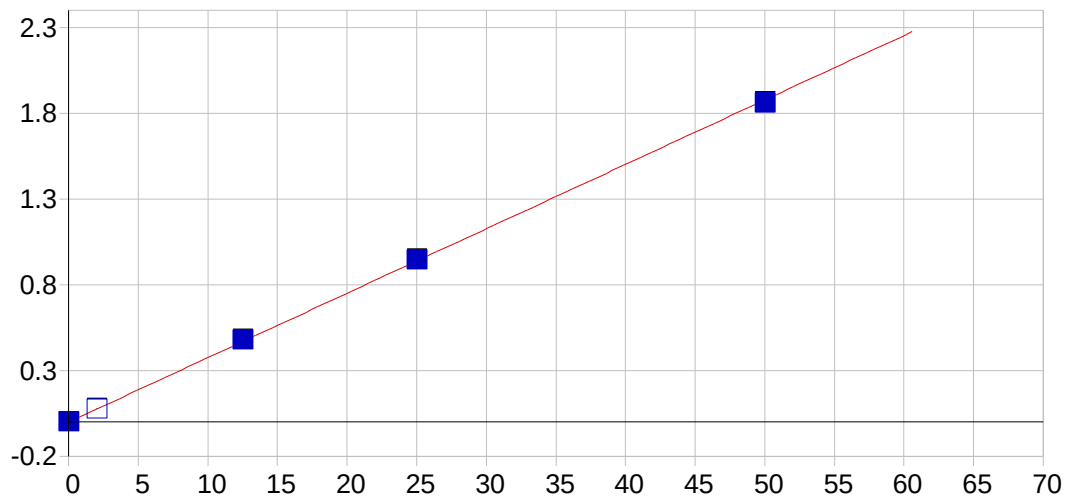
Weighting: 1/Conc

A0 (Offset): -0.001719
 A1 (Gain): 2.450887
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999945
 Std Error of Est: 0.000241
 Predicted MDL: 0.000111
 Predicted MQL: 0.000369

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	-.00172	.000	1
S1	.00600	.00588	-.000	-1.93	.01273	.000	1
S3	1.2500	1.2288	-.021	-1.70	3.0106	.003	1
S4	2.5000	2.4769	-.023	-.923	6.0703	.007	1
S5	5.0000	5.0444	.044	.888	12.364	.018	1

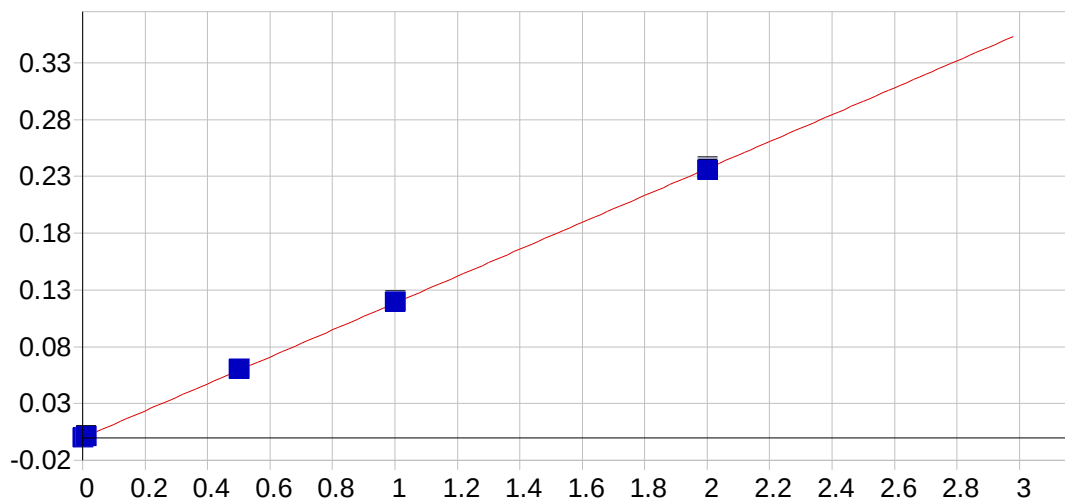


Ca 373.690 { 90}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000302 Re-Slope: 1.000000
 A1 (Gain): 0.037556 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999927 Status: OK.
 Std Error of Est: 0.000248
 Predicted MDL: 0.018536
 Predicted MQL: 0.061787

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.0608	.061	3.04	.07709	.001	1
S0	.00000	-.00010	-.000	.000	-.00031	.001	1
S3	12.500	12.772	.272	2.18	.47962	.001	1
S4	25.000	25.144	.144	.575	.94451	.004	1
S5	50.000	49.523	-.477	-.953	1.8606	.006	1



Cr 267.716 {126}

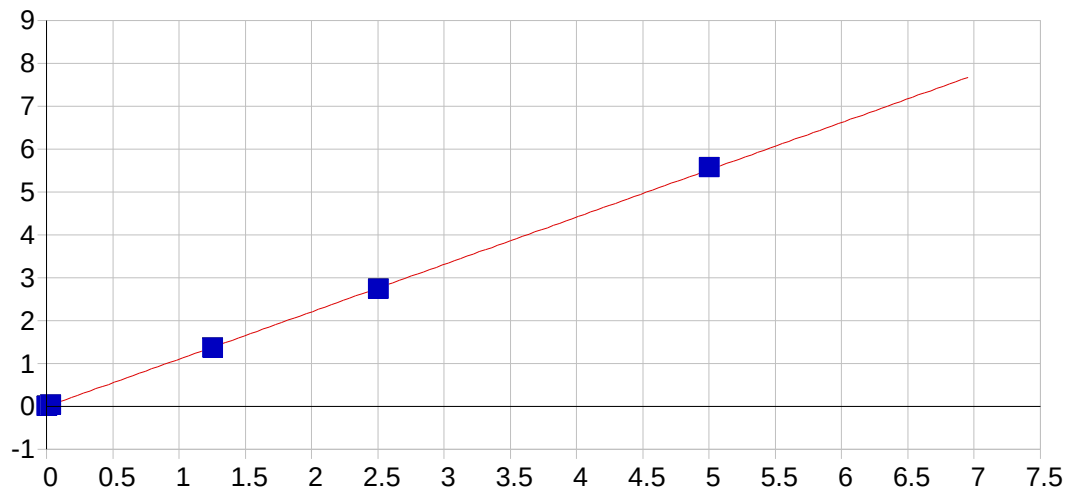
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000113 Re-Slope: 1.000000
 A1 (Gain): 0.118498 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999964
 Std Error of Est: 0.000008
 Predicted MDL: 0.000539
 Predicted MQL: 0.001796

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00011	.000	1
S1	.01000	.00987	-.000	-1.34	.00106	.000	1
S3	.50000	.50823	.008	1.65	.06058	.000	1
S4	1.0000	1.0055	.005	.548	.11997	.000	1
S5	2.0000	1.9864	-.014	-.679	.23714	.001	1



Co 228.616 {447}

Date of Fit: 3/14/2019 15:17:50

Type of Fit: Linear

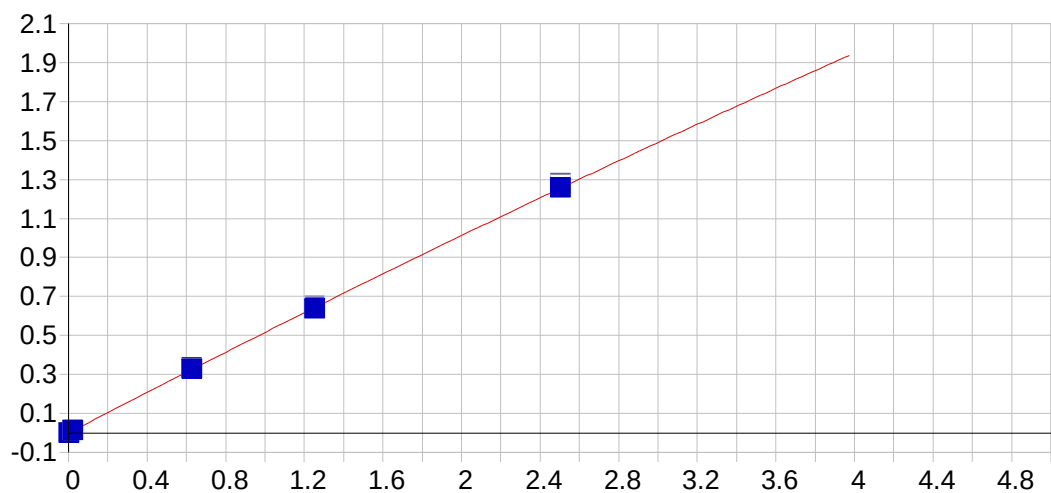
Weighting: 1/Conc

A0 (Offset): -0.000368
 A1 (Gain): 1.103658
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999951
 Std Error of Est: 0.000229
 Predicted MDL: 0.000230
 Predicted MQL: 0.000766

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	-.00037	.000	1
S1	.03000	.02885	-.001	-3.84	.03125	.000	1
S3	1.2500	1.2329	-.017	-1.37	1.3614	.001	1
S4	2.5000	2.4762	-.024	-.953	2.7346	.002	1
S5	5.0000	5.0421	.042	.842	5.5687	.005	1

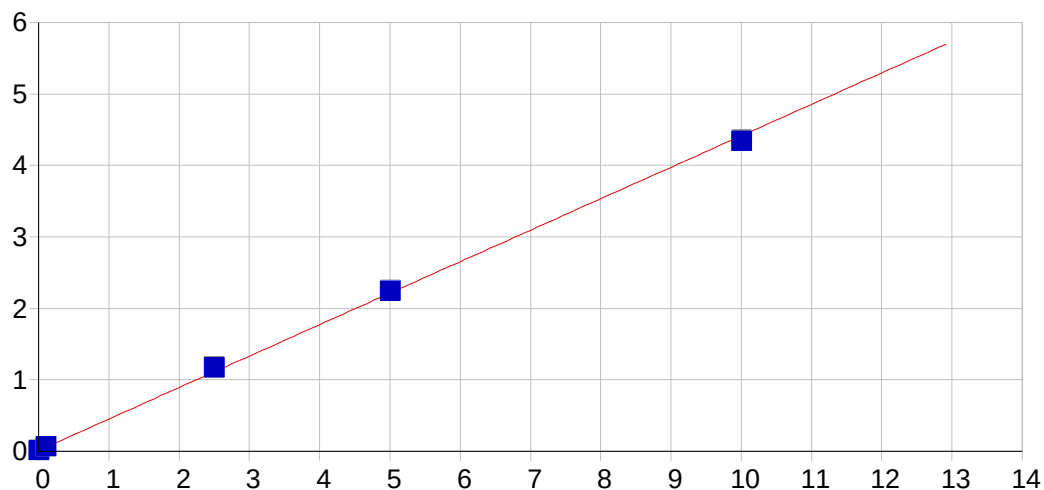


Cu 224.700 {450}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000412 Re-Slope: 1.000000
 A1 (Gain): 0.525266 Y-int: 0.000000
 A2 (Curvature): -0.009468
 n (Exponent): 1.000000
 Correlation: 0.999975 Status: OK.
 Std Error of Est: 0.000054
 Predicted MDL: 0.000561
 Predicted MQL: 0.001868

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00041	.000	1
S1	.02000	.02168	.002	8.40	.01113	.000	1
S3	.62500	.62830	.003	.528	.33118	.001	1
S4	1.2500	1.2414	-.009	-.684	.64770	.001	1
S5	2.5000	2.5036	.004	.144	1.2765	.001	1



Fe 240.488 {140}

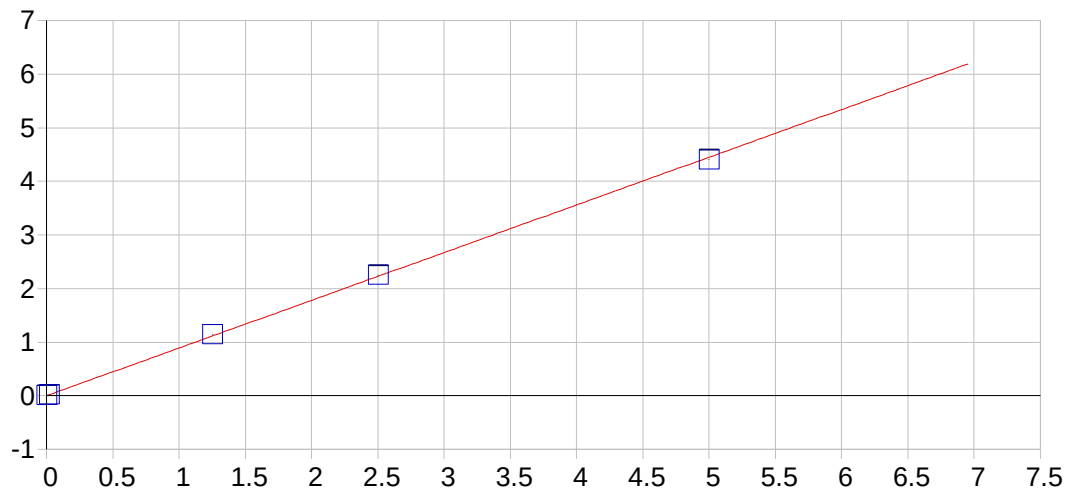
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.011659 Re-Slope: 1.000000
 A1 (Gain): 0.440270 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999708
 Std Error of Est: 0.000578
 Predicted MDL: 0.001140
 Predicted MQL: 0.003800

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.01165	.000	1
S1	.10000	.10863	.009	8.63	.05970	.000	1
S3	2.5000	2.6145	.114	4.58	1.1668	.010	1
S4	5.0000	5.0647	.065	1.29	2.2497	.002	1
S5	10.000	9.8121	-.188	-1.88	4.3481	.007	1



Date of Fit: 3/14/2019 15:17:50

Type of Fit: Linear

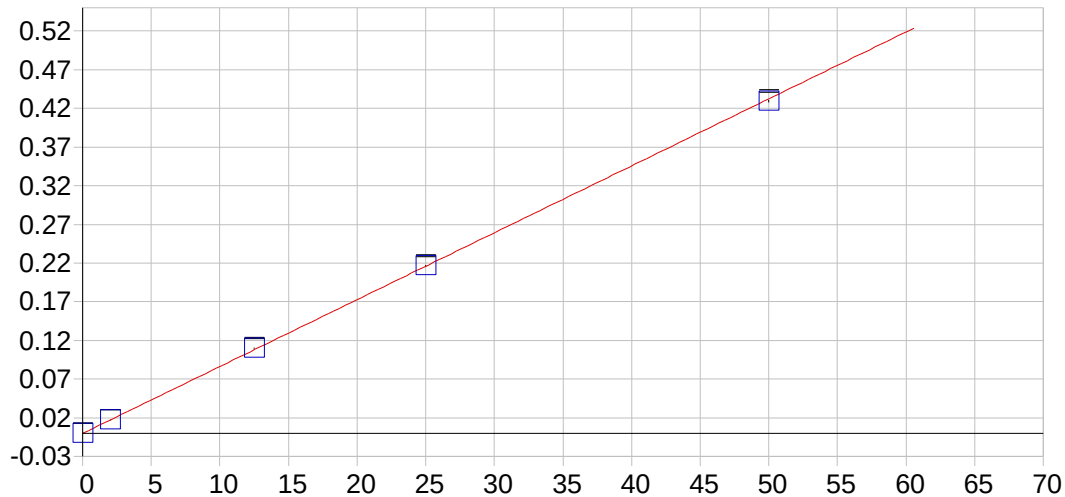
Weighting: 1/Conc

A0 (Offset): 0.000034
 A1 (Gain): 0.889976
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999902
 Std Error of Est: 0.000213
 Predicted MDL: 0.000071
 Predicted MQL: 0.000237

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	.00003	.000	1
S1	.02000	.02196	.002	9.80	.01958	.000	1
S3	1.2500	1.2808	.031	2.46	1.1399	.002	1
S4	2.5000	2.5213	.021	.851	2.2439	.005	1
S5	5.0000	4.9460	-.054	-1.08	4.4018	.007	1

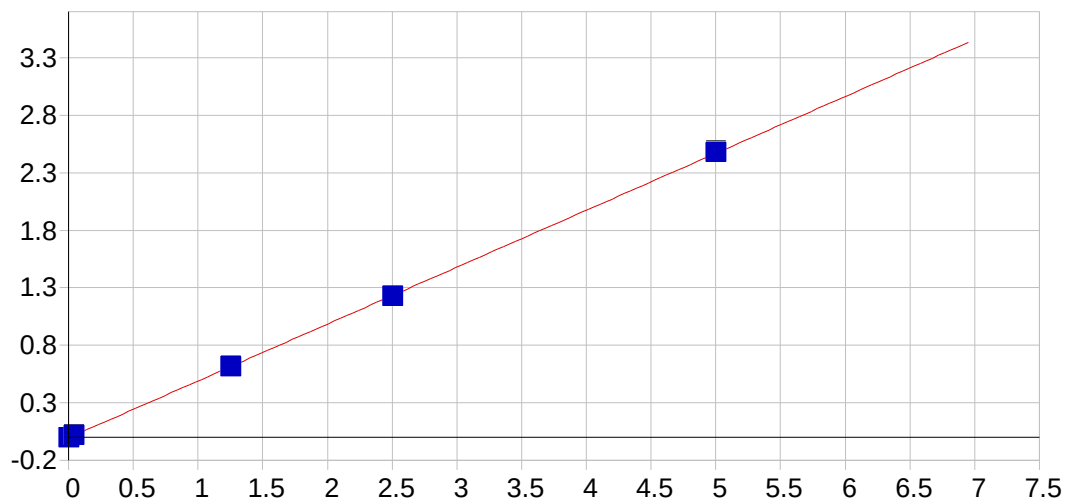


Mg 279.079 {121}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000352 Re-Slope: 1.000000
 A1 (Gain): 0.008653 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999961 Status: OK.
 Std Error of Est: 0.000041
 Predicted MDL: 0.040777
 Predicted MQL: 0.135923

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	2.0486	.049	2.43	.01738	.000	1
S0	.00000	-.00007	-.000	.000	-.00035	.000	1
S3	12.500	12.717	.217	1.73	.10969	.001	1
S4	25.000	25.042	.042	.170	.21635	.001	1
S5	50.000	49.692	-.308	-.615	.42965	.002	1



Ni 231.604 {445}

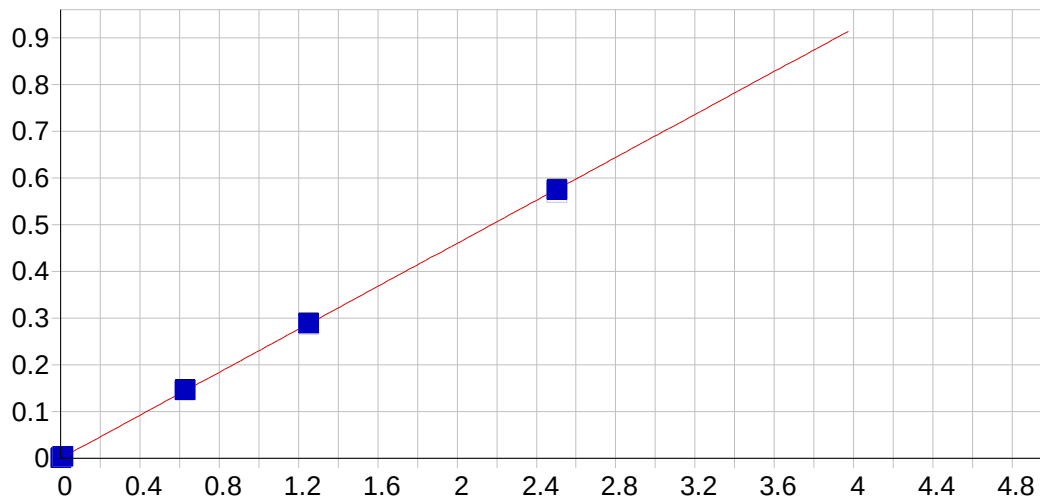
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004909 Re-Slope: 1.000000
 A1 (Gain): 0.494653 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999987
 Std Error of Est: 0.000060
 Predicted MDL: 0.000473
 Predicted MQL: 0.001576

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00491	.000	1
S1	.04000	.03960	-.000	-.997	.01469	.000	1
S3	1.2500	1.2485	-.001	-.118	.61336	.002	1
S4	2.5000	2.4817	-.018	-.731	1.2240	.002	1
S5	5.0000	5.0202	.020	.403	2.4810	.006	1



Ag 328.068 {103}

Date of Fit: 3/14/2019 15:17:50

Type of Fit: Linear

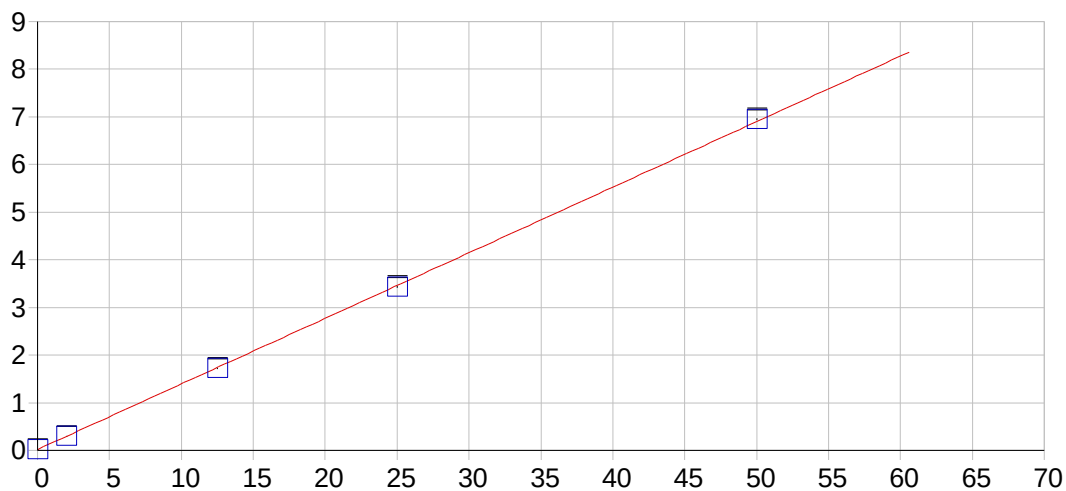
Weighting: 1/Conc

A0 (Offset): 0.000138
 A1 (Gain): 0.229942
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999973
 Std Error of Est: 0.000014
 Predicted MDL: 0.000535
 Predicted MQL: 0.001782

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	.00014	.000	1
S1	.01000	.01110	.001	11.0	.00264	.000	1
S3	.62500	.63232	.007	1.17	.14391	.000	1
S4	1.2500	1.2494	-.001	-.047	.28417	.001	1
S5	2.5000	2.4922	-.008	-.313	.56667	.002	1

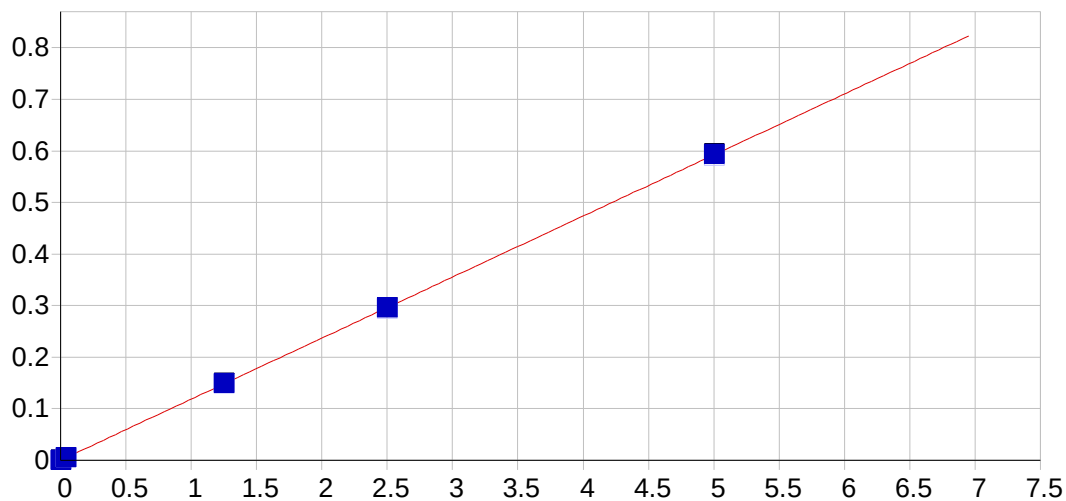


Na 589.592 { 57}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.019739 Re-Slope: 1.000000
 A1 (Gain): 0.137598 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999964 Status: OK.
 Std Error of Est: 0.000638
 Predicted MDL: 0.014283
 Predicted MQL: 0.047610

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	1.9719	-.028	-1.40	.29107	.002	1
S0	.00000	.00005	.000	.000	.01975	.001	1
S3	12.500	12.371	-.129	-1.03	1.7220	.011	1
S4	25.000	24.782	-.218	-0.874	3.4296	.023	1
S5	50.000	50.376	.376	.751	6.9513	.015	1



V 292.402 {115}

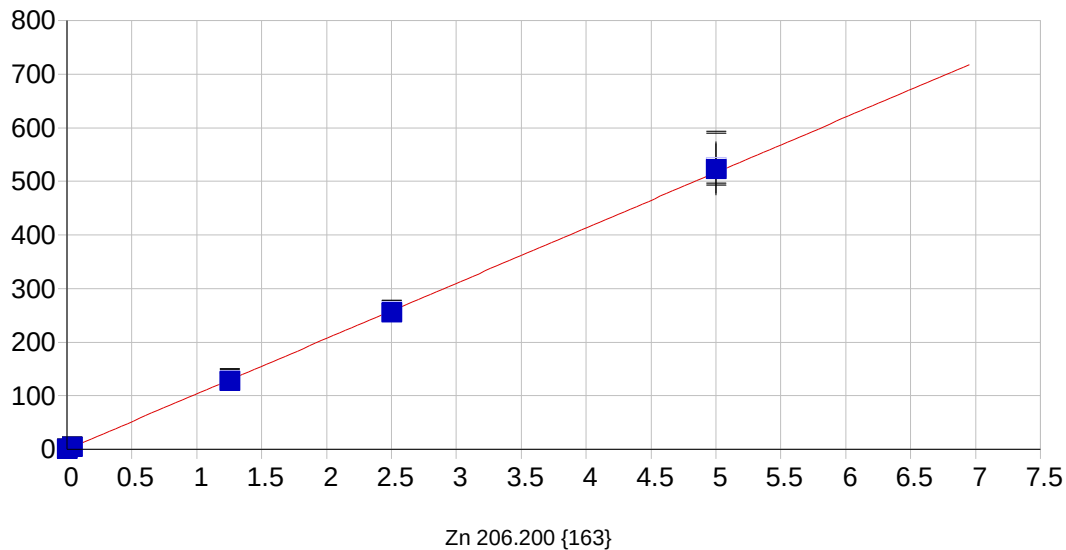
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000273 Re-Slope: 1.000000
 A1 (Gain): 0.118363 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999996
 Std Error of Est: 0.000008
 Predicted MDL: 0.000575
 Predicted MQL: 0.001918

Status: OK.

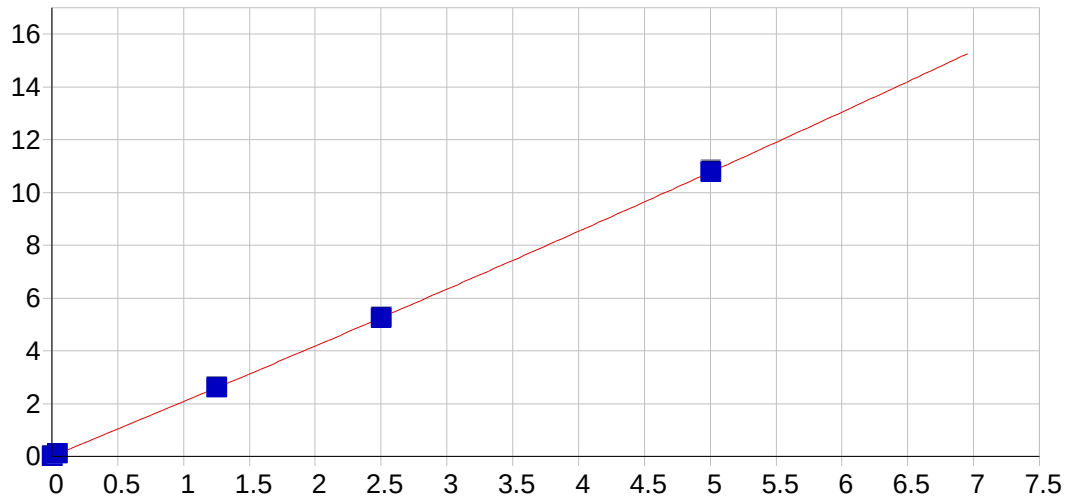
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00027	.000	1
S1	.04000	.03933	-.001	-1.68	.00485	.000	1
S3	1.2500	1.2545	.005	.361	.14779	.000	1
S4	2.5000	2.4900	-.010	-.401	.29306	.000	1
S5	5.0000	5.0062	.006	.124	.58895	.001	1



Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.138517 Re-Slope: 1.000000
 A1 (Gain): 103.233417 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999910 Status: OK.
 Std Error of Est: 0.033628
 Predicted MDL: 0.000361
 Predicted MQL: 0.001202

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.13873	.021	1
S1	.04000	.03879	-.001	-3.03	4.1698	.201	1
S3	1.2500	1.2262	-.024	-1.90	127.50	3.61	1
S4	2.5000	2.4671	-.033	-1.32	256.39	2.95	1
S5	5.0000	5.0579	.058	1.16	525.41	48.4	1

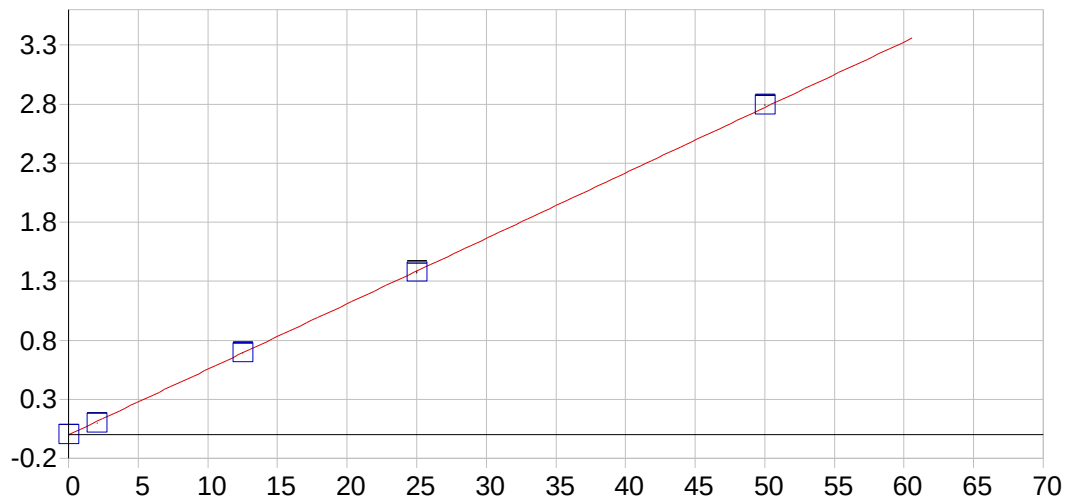


Zn 213.856 {458}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.004170 Re-Slope: 1.000000
 A1 (Gain): 2.047044 Y-int: 0.000000
 A2 (Curvature): 0.021104
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: Warning Positive Curvature
 Std Error of Est: 0.000034
 Predicted MDL: 0.000103
 Predicted MQL: 0.000344

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00417	.000	1
S1	.04000	.04015	.000	.367	.08696	.001	1
S3	1.2500	1.2510	.001	.078	2.6143	.002	1
S4	2.5000	2.4983	-.002	-.069	5.2827	.002	1
S5	5.0000	5.0006	.001	.012	10.834	.017	1



K 766.490 {44}

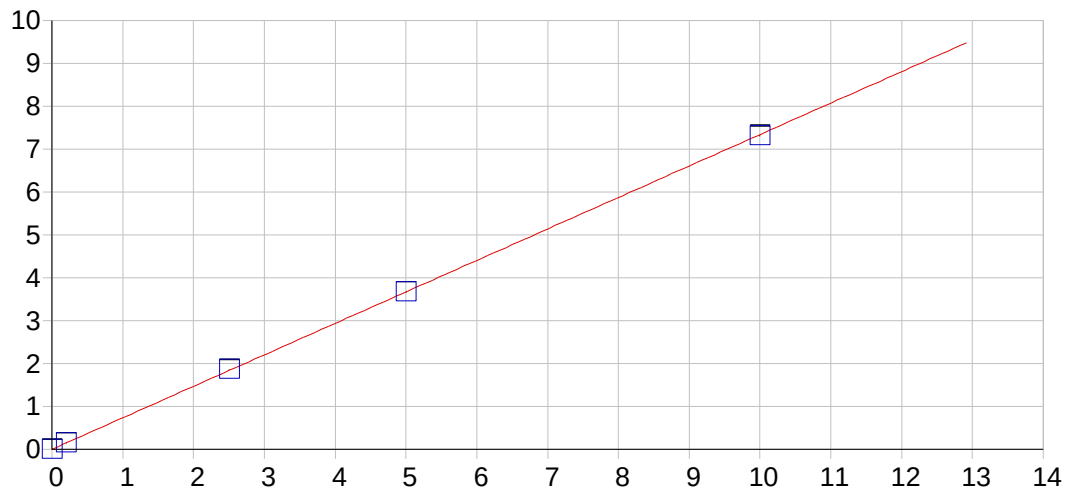
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000569 Re-Slope: 1.000000
 A1 (Gain): 0.055450 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999863
 Std Error of Est: 0.000501
 Predicted MDL: 0.044385
 Predicted MQL: 0.147951

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	1.7955	-.205	-10.2	.09899	.002	1
S0	.00000	.00020	.000	.000	-.00056	.001	1
S3	12.500	12.529	.029	.230	.69415	.004	1
S4	25.000	24.830	-.170	-.682	1.3762	.010	1
S5	50.000	50.346	.346	.692	2.7911	.007	1



Mo 202.030 {467}

Date of Fit: 3/14/2019 15:17:50

Type of Fit: Linear

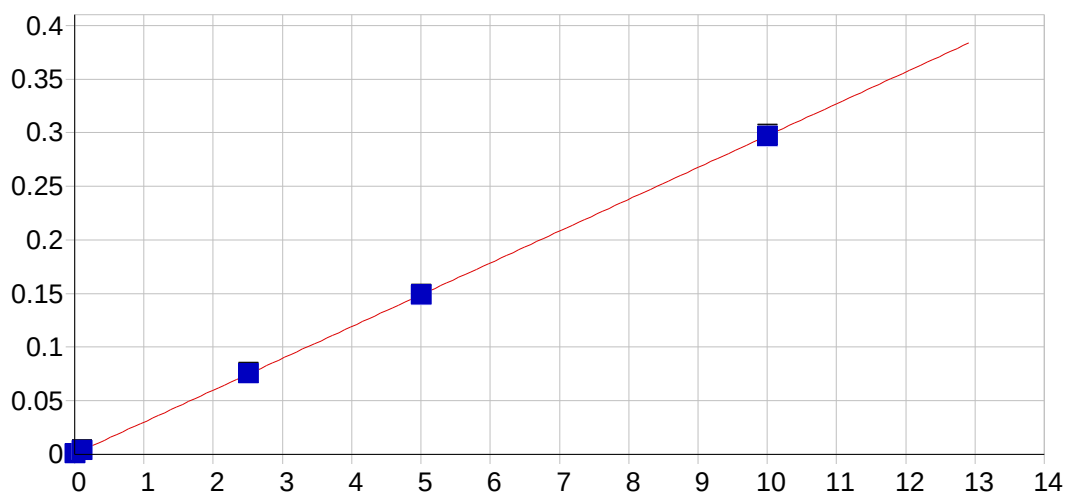
Weighting: 1/Conc

A0 (Offset): 0.000454
 A1 (Gain): 0.734029
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999971
 Std Error of Est: 0.000428
 Predicted MDL: 0.000301
 Predicted MQL: 0.001003

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	.00045	.000	1
S1	.20000	.20820	.008	4.10	.15328	.002	1
S3	2.5000	2.5356	.036	1.42	1.8616	.006	1
S4	5.0000	4.9984	-.002	-.032	3.6694	.004	1
S5	10.000	9.9578	-.042	-.422	7.3098	.013	1

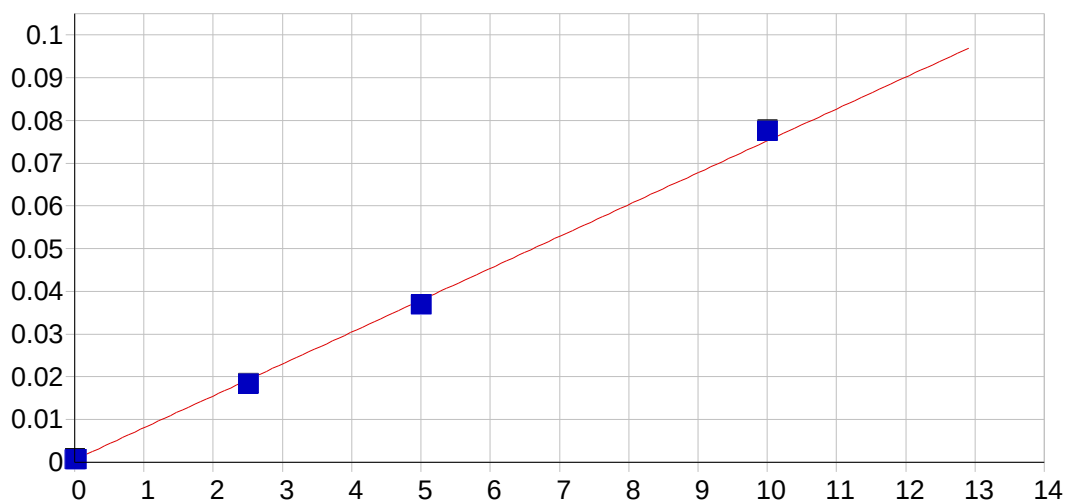


B 249.678 {135}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000447 Re-Slope: 1.000000
 A1 (Gain): 0.029675 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999972 Status: OK.
 Std Error of Est: 0.000012
 Predicted MDL: 0.008605
 Predicted MQL: 0.028685

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00045	.000	1
S1	.10000	.10770	.008	7.70	.00363	.000	1
S3	2.5000	2.5277	.028	1.11	.07528	.001	1
S4	5.0000	4.9921	-.008	-.158	.14824	.000	1
S5	10.000	9.9726	-.027	-.274	.29569	.002	1



S 182.034 {485}

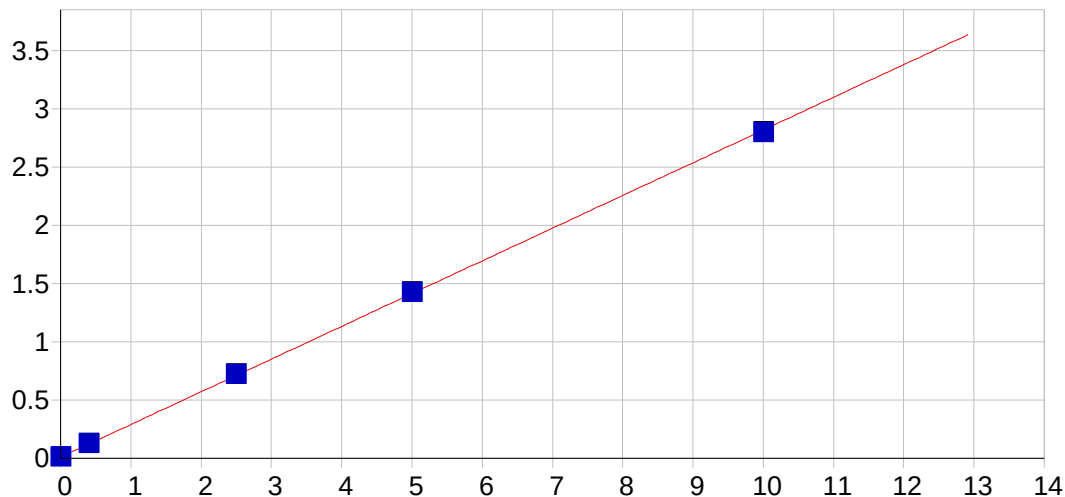
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000628 Re-Slope: 1.000000
 A1 (Gain): 0.007460 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.998726
 Std Error of Est: 0.000009
 Predicted MDL: 0.012034
 Predicted MQL: 0.040112

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00063	.000	1
S1	.02000	-.00186	-.022	-109.	.00061	.000	1
S3	2.5000	2.3698	-.130	-5.21	.01829	.000	1
S4	5.0000	4.8473	-.153	-3.05	.03675	.000	1
S5	10.000	10.304	.304	3.04	.07742	.000	1



Si 288.158 {117}

Date of Fit: 3/14/2019 15:17:50

Type of Fit: Linear

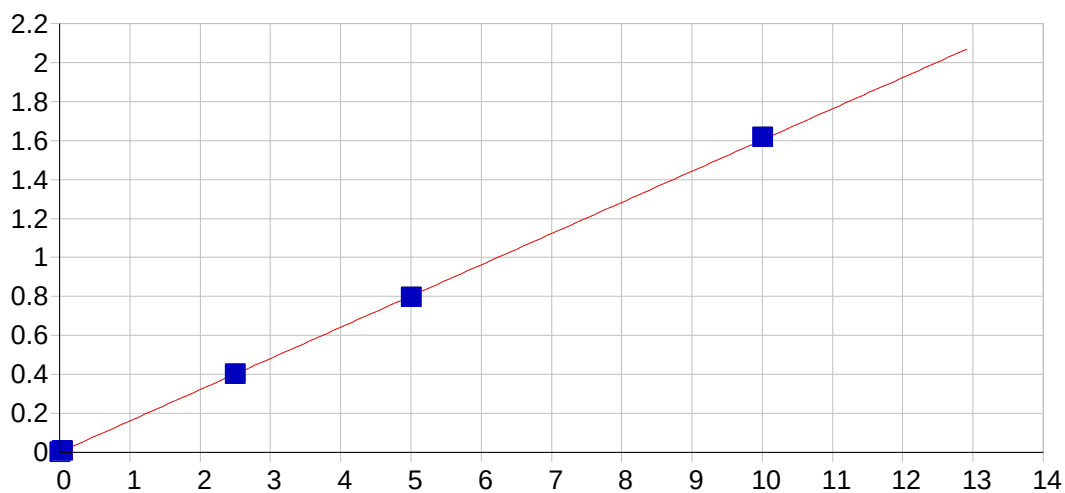
Weighting: 1/Conc

A0 (Offset): 0.009237
 A1 (Gain): 0.280779
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999951
 Std Error of Est: 0.000303
 Predicted MDL: 0.002819
 Predicted MQL: 0.009398

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	.00923	.001	1
S1	.40000	.40885	.009	2.21	.12394	.002	1
S3	2.5000	2.5389	.039	1.56	.72173	.001	1
S4	5.0000	5.0356	.036	.712	1.4224	.004	1
S5	10.000	9.9167	-.083	-.833	2.7921	.008	1

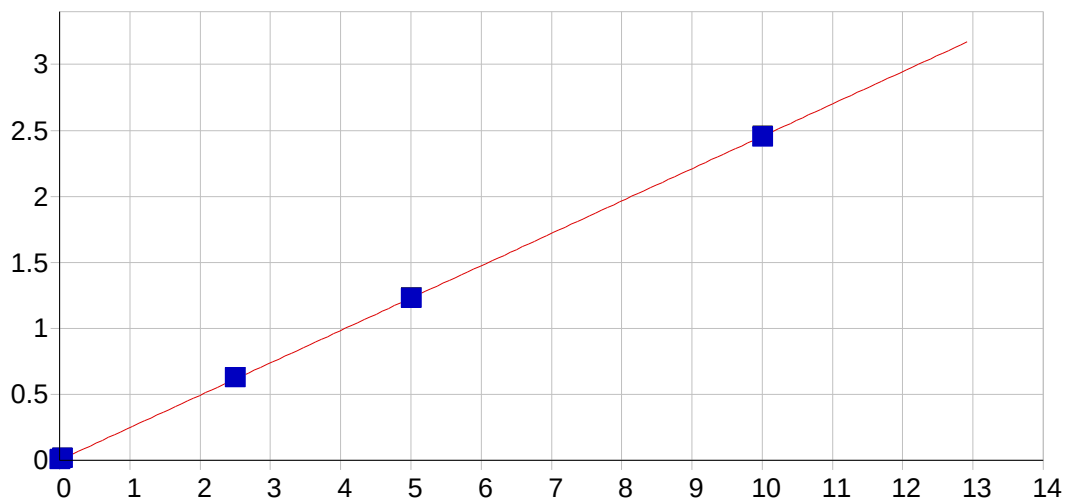


Sn 189.989 {477}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001387 Re-Slope: 1.000000
 A1 (Gain): 0.160135 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999964 Status: OK.
 Std Error of Est: 0.000047
 Predicted MDL: 0.000766
 Predicted MQL: 0.002554

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00139	.000	1
S1	.04000	.03773	-.002	-5.69	.00743	.000	1
S3	2.5000	2.4838	-.016	-.648	.39920	.000	1
S4	5.0000	4.9480	-.052	-1.04	.79388	.001	1
S5	10.000	10.070	.070	.705	1.6143	.002	1



Ti 336.121 {100}

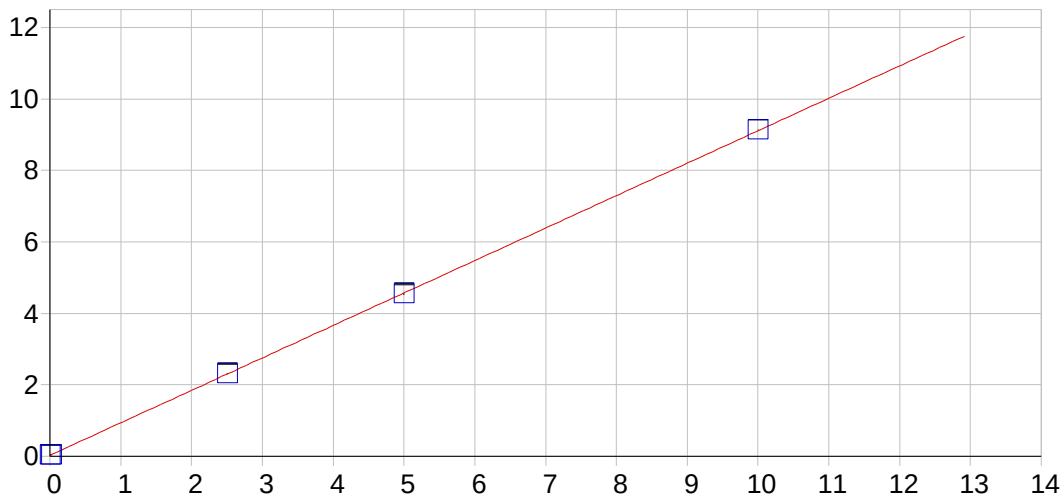
Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002572 Re-Slope: 1.000000
 A1 (Gain): 0.245287 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986
 Std Error of Est: 0.000045
 Predicted MDL: 0.002120
 Predicted MQL: 0.007066

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00257	.000	1
S1	.04000	.03923	-.001	-1.93	.01219	.001	1
S3	2.5000	2.5323	.032	1.29	.62364	.002	1
S4	5.0000	4.9935	-.006	-.129	1.2273	.003	1
S5	10.000	9.9749	-.025	-.251	2.4490	.006	1



Li 670.784 { 50}

Date of Fit: 3/14/2019 15:17:50

Type of Fit: Linear

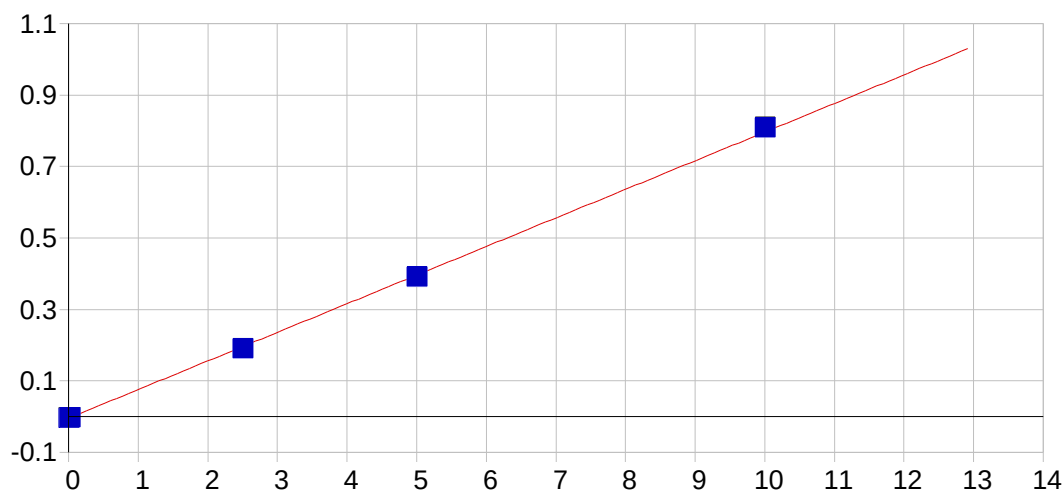
Weighting: 1/Conc

A0 (Offset): 0.028595
 A1 (Gain): 0.908143
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999868
 Std Error of Est: 0.000357
 Predicted MDL: 0.002655
 Predicted MQL: 0.008851

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	.02860	.002	1
S1	.02000	.01072	-.009	-46.4	.03833	.001	1
S3	2.5000	2.5105	.011	.420	2.3085	.016	1
S4	5.0000	4.9688	-.031	-.623	4.5410	.025	1
S5	10.000	10.030	.030	.299	9.1372	.003	1

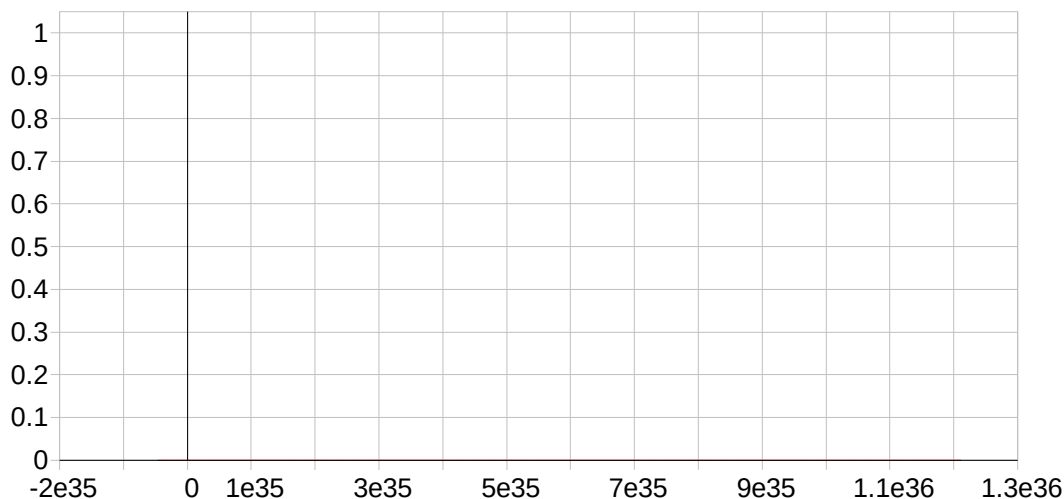


P 177.495 {490}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004184 Re-Slope: 1.000000
 A1 (Gain): 0.080049 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999824 Status: OK.
 Std Error of Est: 0.000036
 Predicted MDL: 0.001608
 Predicted MQL: 0.005361

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00418	.000	1
S1	.02000	.01938	-.001	-3.08	-.00264	.000	1
S3	2.5000	2.4172	-.083	-3.31	.18902	.000	1
S4	5.0000	4.9292	-.071	-1.42	.38982	.001	1
S5	10.000	10.154	.154	1.54	.80749	.001	1



Y 224.306 {450}*

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

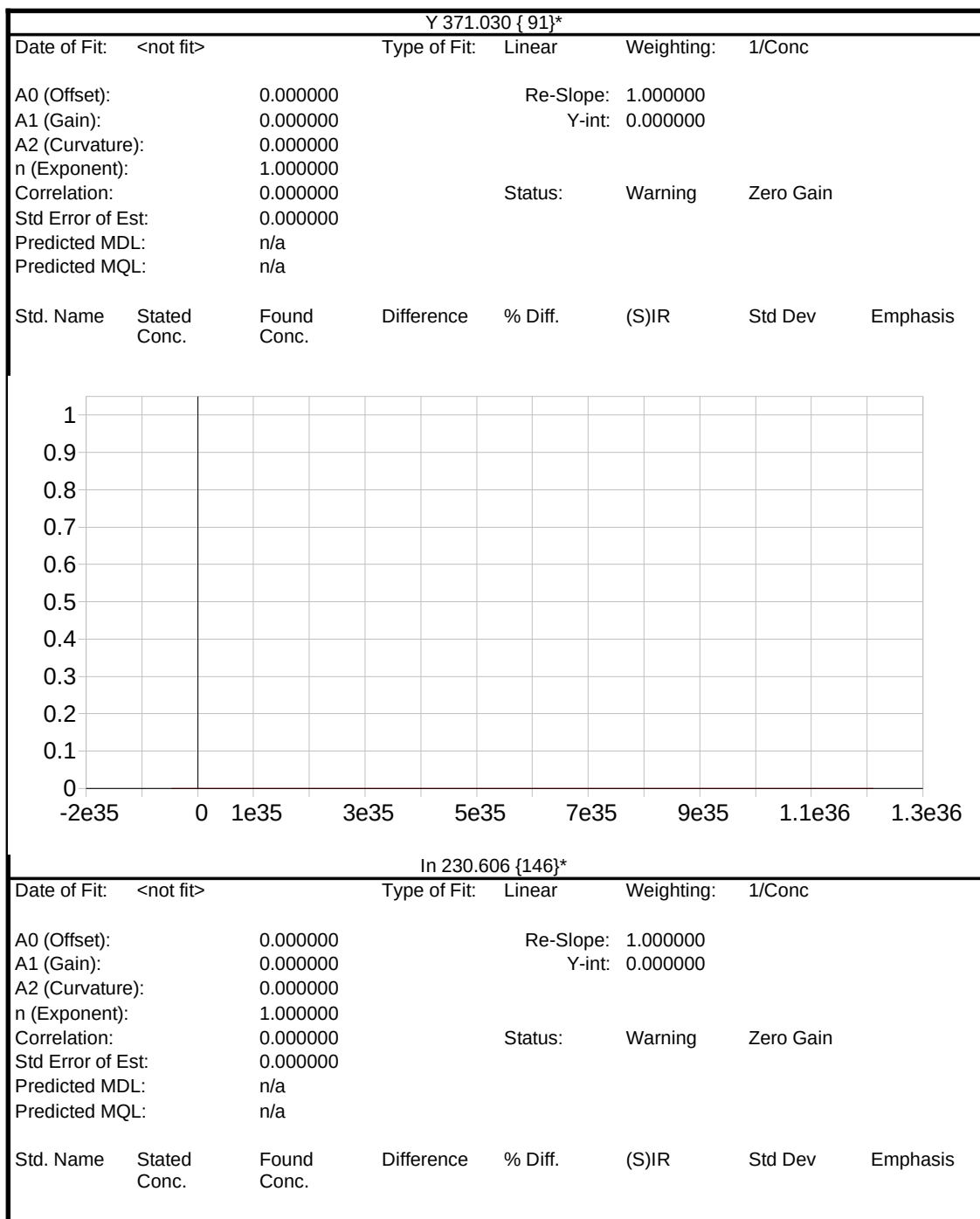
A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000

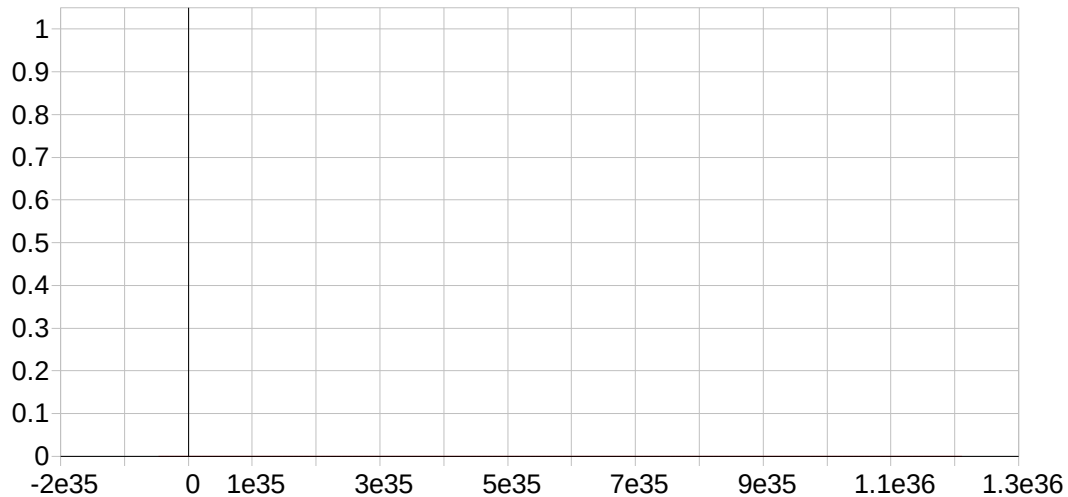
Status: Warning Zero Gain

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

Re-Slope: 1.000000
Y-int: 0.000000

Status: Warning Zero Gain

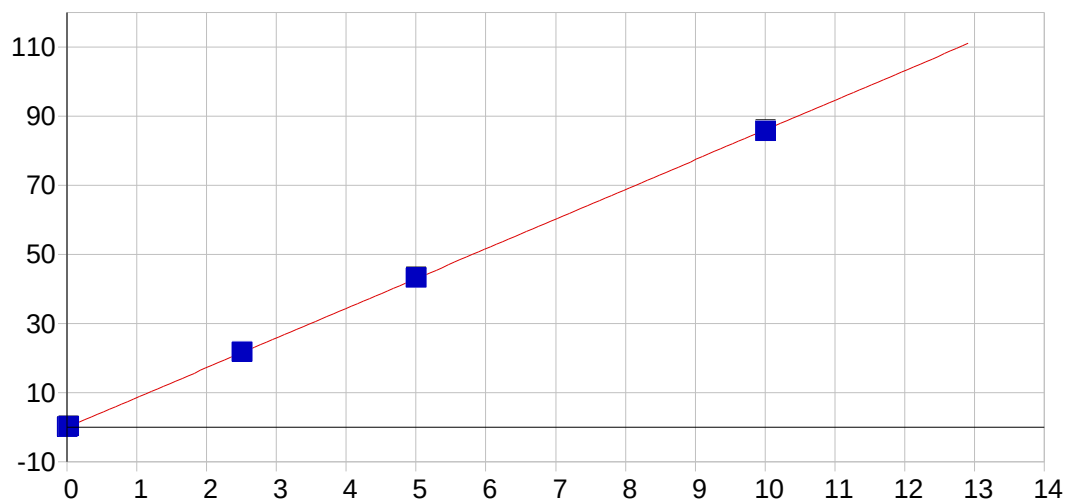




Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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

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

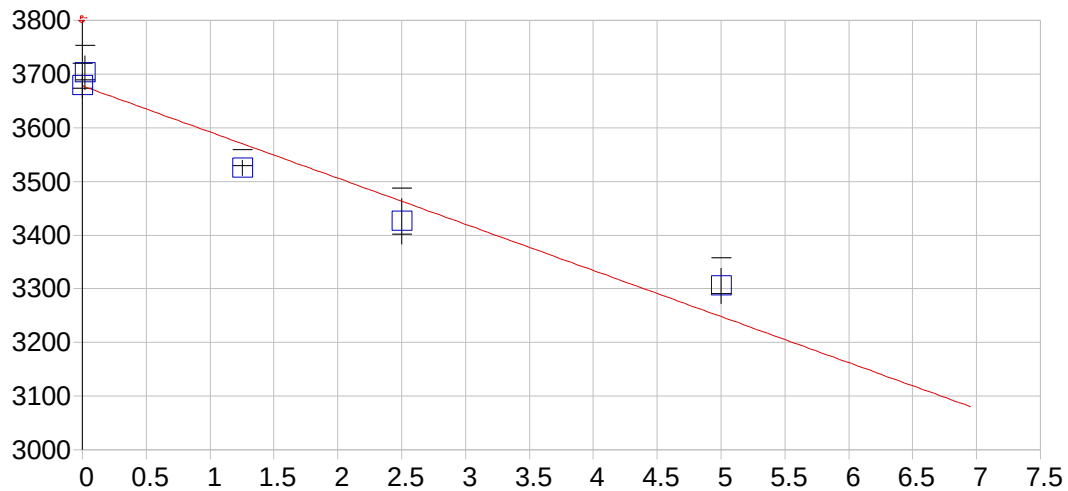


Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.007076 Re-Slope: 1.000000
 A1 (Gain): 8.599474 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999982 Status: OK.
 Std Error of Est: 0.001238
 Predicted MDL: 0.000111

Predicted MQL: 0.000372

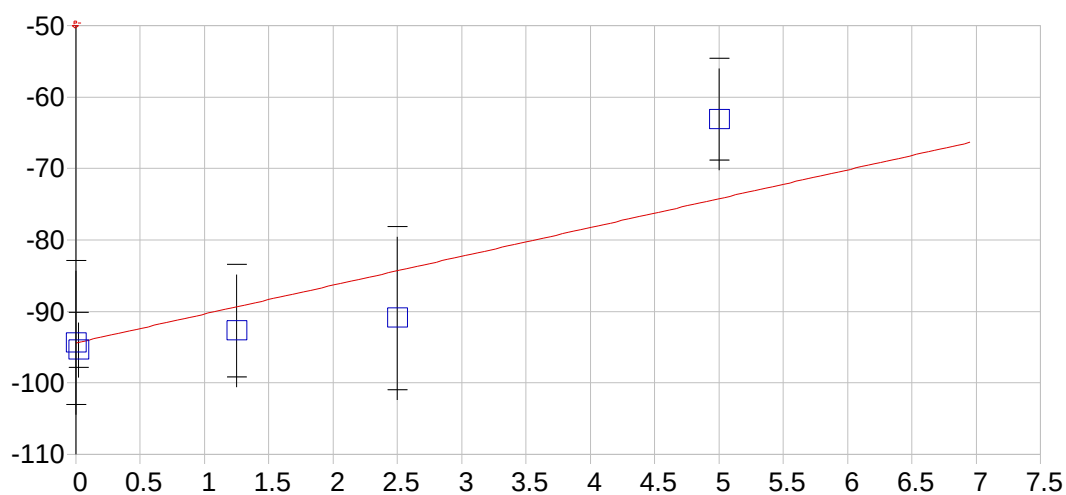
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00708	.001	1
S1	.02000	.02056	.001	2.78	.17063	.002	1
S3	2.5000	2.5294	.029	1.18	21.768	.135	1
S4	5.0000	5.0159	.016	.318	43.174	.149	1
S5	10.000	9.9541	-.046	-.459	85.688	.286	1



Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 3677.873712 Re-Slope: 1.000000
A1 (Gain): -85.940740 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.800156 Status: Warning Negative Gain
Std Error of Est: 1.100864
Predicted MDL: n/a
Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00029	.000	.000	3677.8	22.9	1
S1	.02000	-.28114	-.301	-1510.	3702.0	32.1	1
S3	1.2500	1.7781	.528	42.2	3525.1	14.6	1
S4	2.5000	2.9393	.439	17.6	3425.3	42.8	1
S5	5.0000	4.3337	-.666	-13.3	3305.4	33.4	1



U 385.958 { 87}

Date of Fit: 3/14/2019 15:17:50 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -94.393696 Re-Slope: 1.000000
 A1 (Gain): 4.034191 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.747971 Status: OK.
 Std Error of Est: 0.061175
 Predicted MDL: 2.942369
 Predicted MQL: 9.807896

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00029	.000	.000	-94.393	10.1	1
S1	.02000	-.25385	-.274	-1370.	-95.418	3.85	1
S3	1.2500	.42265	-.827	-66.2	-92.689	7.90	1
S4	2.5000	.84945	-1.65	-66.0	-90.967	11.4	1
S5	5.0000	7.7518	2.75	55.0	-63.122	7.12	1

Sample Name: S0 Acquired: 3/14/2019 14:38:20 Type: Cal
Method: P4-ICP2(v2945) 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	-.00023	-.00008	.00400	.00014	.00112	.00013	.08059	.00012
Stddev	.00005	.00011	.00023	.00013	.00002	.00004	.00279	.00002
%RSD	19.650	141.70	5.8493	90.019	2.2013	29.972	3.4651	16.726

#1	-.00026	-.00000	.00418	-.00001	.00110	.00011	.08152	.00010
#2	-.00026	-.00003	.00374	.00021	.00112	.00018	.08280	.00013
#3	-.00018	-.00020	.00409	.00022	.00115	.00011	.07745	.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	-.00172	-.00031	-.00011	-.00037	-.00041	.01165	.00003	-.00035
Stddev	.00026	.00101	.00001	.00023	.00006	.00030	.00003	.00012
%RSD	15.202	331.61	8.4429	63.316	13.519	2.5921	105.01	33.258

#1	-.00148	-.00147	-.00012	-.00015	-.00037	.01181	.00007	-.00034
#2	-.00167	.00018	-.00010	-.00061	-.00048	.01131	.00000	-.00047
#3	-.00200	.00037	-.00012	-.00033	-.00039	.01185	.00002	-.00024

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	-.00491	.00014	.01975	.00027	.00417	-.00056	.00045	.00045
Stddev	.00019	.00011	.00146	.00003	.00015	.00138	.00015	.00016
%RSD	3.8336	78.818	7.4172	11.094	3.6139	246.71	34.425	34.870

#1	-.00477	.00026	.01806	.00025	.00434	-.00027	.00044	.00034
#2	-.00483	.00005	.02070	.00031	.00405	.00065	.00061	.00038
#3	-.00512	.00010	.02047	.00026	.00411	-.00206	.00030	.00062

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	.00063	.00923	.00139	.00257	.02860	-.0042	-.00708	3677.8
Stddev	.00009	.00095	.00003	.00038	.00164	.0000	.00061	22.9
%RSD	14.456	10.261	1.8214	14.735	5.7324	.3575	8.6490	.62354

#1	.00072	.01032	.00137	.00276	.02917	-.0042	-.00778	3679.7
#2	.00054	.00855	.00138	.00214	.02989	-.0042	-.00664	3654.0
#3	.00062	.00883	.00142	.00282	.02676	-.0042	-.00683	3699.8

Sample Name: S0 Acquired: 3/14/2019 14:38:20 Type: Cal
Method: P4-ICP2(v2945) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	-94.393
Stddev	10.081
%RSD	10.680

#1	-104.79
#2	-84.662
#3	-93.725

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3196.6	56083.	5204.6	33.786	3898.0
Stddev	1.3	24.	3.6	.748	3.2
%RSD	.04088	.04296	.06971	2.2140	.08246

#1	3195.3	56103.	5206.7	34.275	3898.9
#2	3197.9	56090.	5206.7	32.925	3894.4
#3	3196.6	56056.	5200.4	34.158	3900.7

Sample Name: S1 Acquired: 3/14/2019 14:42:47 Type: Cal
Method: P4-ICP2(v2945) 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	.00119	.00373	.00696	.00124	.00727	.00076	.14189	.00434
Stddev	.00013	.00010	.00018	.00006	.00028	.00003	.00198	.00001
%RSD	10.562	2.6239	2.5202	5.2313	3.9084	3.9436	1.3952	.33551

#1	.00105	.00381	.00676	.00123	.00695	.00079	.14222	.00434
#2	.00122	.00375	.00703	.00118	.00745	.00074	.13976	.00432
#3	.00130	.00362	.00710	.00131	.00743	.00074	.14368	.00435

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	.01273	.00106	.03125	.01113	.05970	.01958	.01469	.00264
Stddev	.00005	.00007	.00038	.00028	.00034	.00011	.00032	.00011
%RSD	.41883	7.0106	1.2015	2.5425	.56703	.57756	2.1650	3.9880

#1	.01279	.00098	.03082	.01143	.06008	.01961	.01436	.00270
#2	.01272	.00108	.03137	.01087	.05960	.01945	.01473	.00271
#3	.01268	.00112	.03154	.01109	.05943	.01967	.01499	.00252

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	.00485	.08696	.15328	.00363	.00061	.12394	.00743	.01219
Stddev	.00011	.00079	.00154	.00025	.00006	.00162	.00008	.00053
%RSD	2.3640	.90507	1.0030	6.8581	9.4105	1.3108	1.0350	4.3304

#1	.00489	.08632	.15193	.00367	.00067	.12468	.00751	.01169
#2	.00473	.08672	.15296	.00336	.00059	.12208	.00741	.01274
#3	.00495	.08784	.15495	.00386	.00056	.12506	.00736	.01213

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.03833	-.0026	.17063	3702.0	-95.418
Stddev	.00142	.0002	.00187	32.1	3.848
%RSD	3.6968	5.800	1.0965	.86687	4.0330

#1	.03703	-.0028	.16909	3699.0	-91.517
#2	.03813	-.0026	.17010	3671.6	-99.211
#3	.03984	-.0025	.17271	3735.5	-95.525

Sample Name: S1 Acquired: 3/14/2019 14:42:47 Type: Cal
Method: P4-ICP2(v2945) 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	3192.2	56370.	5315.0	35.044	3880.0
Stddev	7.9	67.	19.4	.599	10.2
%RSD	.24765	.11861	.36432	1.7084	.26326
#1	3183.1	56356.	5293.2	34.750	3869.5
#2	3197.3	56311.	5330.2	35.733	3880.6
#3	3196.3	56443.	5321.6	34.650	3889.9

Sample Name: S2 Acquired: 3/14/2019 14:47:13 Type: Cal
Method: P4-ICP2(v2945) 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	.07709	.01738	.29107	.09899
Stddev	.00122	.00021	.00226	.00170
%RSD	1.5775	1.2000	.77594	1.7186

#1	.07630	.01726	.28932	.09730
#2	.07849	.01725	.29027	.10071
#3	.07649	.01762	.29362	.09895

Int. Std.	Y_3710
Units	Cts/S
Avg	5335.0
Stddev	24.7
%RSD	.46351

#1	5339.9
#2	5357.0
#3	5308.3

Sample Name: S3 Acquired: 3/14/2019 14:51:30 Type: Cal
Method: P4-ICP2(v2945) 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	.17057	.23186	.65923	.13137	.31969	.02874	3.1278	.08378
Stddev	.00082	.00051	.00084	.00008	.00087	.00031	.0164	.00042
%RSD	.48124	.21879	.12712	.06466	.27181	1.0622	.52342	.49672
#1	.17081	.23131	.65877	.13129	.31997	.02839	3.1429	.08330
#2	.17124	.23230	.65872	.13146	.32038	.02897	3.1104	.08405
#3	.16965	.23198	.66020	.13136	.31872	.02884	3.1302	.08400
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.0106	.47962	.06058	1.3614	.33118	1.1668	1.1399	.10969
Stddev	.0034	.00139	.00019	.0008	.00069	.0104	.0022	.00085
%RSD	.11125	.28954	.30824	.05505	.20808	.89216	.19271	.77691
#1	3.0076	.47832	.06056	1.3610	.33122	1.1726	1.1387	.10939
#2	3.0101	.48108	.06040	1.3609	.33185	1.1548	1.1386	.10902
#3	3.0142	.47947	.06077	1.3623	.33047	1.1731	1.1424	.11065
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	.61336	.14391	1.7220	.14779	2.6143	.69415	1.8616	.07528
Stddev	.00197	.00049	.0107	.00036	.0016	.00427	.0061	.00072
%RSD	.32092	.33926	.61924	.24685	.06029	.61523	.32610	.95461
#1	.61473	.14363	1.7294	.14811	2.6142	.68953	1.8652	.07448
#2	.61110	.14361	1.7098	.14788	2.6129	.69795	1.8651	.07588
#3	.61423	.14447	1.7267	.14739	2.6160	.69498	1.8546	.07549
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	.01829	.72173	.39920	.62364	2.3085	.1890	21.768	3525.1
Stddev	.00005	.00090	.00019	.00158	.0164	.0001	.135	14.6
%RSD	.29679	.12469	.04828	.25402	.71230	.0533	.61943	.41308
#1	.01828	.72204	.39898	.62279	2.3217	.1889	21.881	3508.5
#2	.01824	.72072	.39931	.62266	2.2901	.1890	21.619	3530.8
#3	.01835	.72244	.39931	.62547	2.3137	.1891	21.805	3535.9

Sample Name: S3 Acquired: 3/14/2019 14:51:30 Type: Cal
 Method: P4-ICP2(v2945) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	-92.689
Stddev	7.895
%RSD	8.5181

#1	-96.850
#2	-83.583
#3	-97.633

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3147.2	55081.	5322.0	33.084	3660.1
Stddev	9.1	163.	41.0	.755	5.9
%RSD	.28777	.29627	.76999	2.2834	.16122

#1	3139.1	54899.	5279.0	33.629	3653.9
#2	3145.4	55130.	5360.6	33.402	3665.7
#3	3157.0	55215.	5326.3	32.222	3660.6

Sample Name: S4 Acquired: 3/14/2019 14:55:30 Type: Cal
Method: P4-ICP2(v2945) 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	.34007	.46174	1.3072	.25888	.63226	.05765	6.1715	.16663
Stddev	.00030	.00056	.0019	.00121	.00153	.00038	.0310	.00036
%RSD	.08964	.12109	.14765	.46886	.24207	.66503	.50278	.21786

#1	.33976	.46185	1.3070	.25849	.63205	.05741	6.1676	.16646
#2	.34008	.46223	1.3093	.25791	.63084	.05809	6.2043	.16705
#3	.34037	.46113	1.3054	.26024	.63388	.05745	6.1426	.16638

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.0703	.94451	.11997	2.7346	.64770	2.2497	2.2439	.21635
Stddev	.0068	.00407	.00036	.0017	.00128	.0023	.0054	.00106
%RSD	.11250	.43062	.29786	.06355	.19727	.10306	.23962	.48771

#1	6.0625	.94761	.12012	2.7356	.64724	2.2471	2.2416	.21545
#2	6.0737	.94602	.12022	2.7326	.64671	2.2512	2.2501	.21608
#3	6.0748	.93990	.11956	2.7356	.64914	2.2510	2.2401	.21751

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	1.2240	.28417	3.4296	.29306	5.2827	1.3762	3.6694	.14824
Stddev	.0018	.00132	.0233	.00021	.0024	.0103	.0037	.00042
%RSD	.14419	.46433	.67818	.07113	.04534	.74704	.10079	.28326

#1	1.2220	.28375	3.4422	.29282	5.2807	1.3830	3.6653	.14869
#2	1.2248	.28565	3.4439	.29316	5.2853	1.3813	3.6705	.14818
#3	1.2253	.28311	3.4028	.29320	5.2820	1.3644	3.6725	.14786

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	.03675	1.4224	.79388	1.2273	4.5410	.3898	43.174	3425.3
Stddev	.00007	.0039	.00119	.0031	.0253	.0011	.149	42.8
%RSD	.19710	.27575	.15004	.25520	.55783	.2833	.34558	1.2489

#1	.03670	1.4191	.79275	1.2265	4.5427	.3886	43.105	3438.3
#2	.03671	1.4213	.79376	1.2307	4.5655	.3900	43.346	3377.5
#3	.03683	1.4267	.79512	1.2246	4.5149	.3908	43.072	3460.0

Sample Name: S4 Acquired: 3/14/2019 14:55:30 Type: Cal
 Method: P4-ICP2(v2945) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	-90.967
Stddev	11.401
%RSD	12.533

#1	-88.748
#2	-80.838
#3	-103.31

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3128.8	54507.	5345.2	32.129	3551.8
Stddev	.6	208.	6.0	.287	5.2
%RSD	.02055	.38145	.11173	.89398	.14666

#1	3129.2	54513.	5350.7	32.229	3552.2
#2	3129.2	54296.	5338.9	32.352	3546.4
#3	3128.1	54712.	5346.1	31.805	3556.8

Sample Name: S5 Acquired: 3/14/2019 14:59:31 Type: Cal
Method: P4-ICP2(v2945) 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	.68468	.92397	2.6508	.51947	1.2643	.11603	12.495	.33099
Stddev	.00167	.00178	.0042	.00025	.0017	.00025	.011	.00047
%RSD	.24333	.19302	.15798	.04780	.13802	.21410	.08779	.14178
#1	.68585	.92297	2.6530	.51975	1.2629	.11596	12.487	.33054
#2	.68543	.92291	2.6460	.51936	1.2637	.11584	12.491	.33094
#3	.68277	.92603	2.6535	.51929	1.2663	.11631	12.508	.33148
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	12.364	1.8606	.23714	5.5687	1.2765	4.3481	4.4018	.42965
Stddev	.018	.0057	.00082	.0048	.0014	.0069	.0075	.00176
%RSD	.14444	.30808	.34489	.08556	.11397	.15934	.17020	.40858
#1	12.359	1.8586	.23808	5.5692	1.2778	4.3476	4.4104	.42845
#2	12.350	1.8561	.23660	5.5637	1.2749	4.3553	4.3969	.42882
#3	12.384	1.8671	.23673	5.5732	1.2768	4.3414	4.3982	.43166
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	2.4810	.56667	6.9513	.58895	10.834	2.7911	7.3098	.29569
Stddev	.0057	.00180	.0154	.00112	.017	.0069	.0133	.00222
%RSD	.22874	.31756	.22180	.18935	.15529	.24831	.18148	.75136
#1	2.4850	.56870	6.9663	.59013	10.837	2.7976	7.3251	.29485
#2	2.4745	.56528	6.9522	.58791	10.815	2.7919	7.3034	.29821
#3	2.4835	.56603	6.9355	.58883	10.849	2.7838	7.3010	.29402
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	.07742	2.7921	1.6143	2.4490	9.1372	.8075	85.688	3305.4
Stddev	.00019	.0080	.0017	.0061	.0029	.0008	.286	33.4
%RSD	.24565	.28722	.10214	.25086	.03207	.1037	.33390	1.0112
#1	.07762	2.7872	1.6151	2.4419	9.1388	.8068	85.406	3269.1
#2	.07724	2.7878	1.6124	2.4521	9.1338	.8072	85.680	3312.4
#3	.07741	2.8014	1.6154	2.4529	9.1390	.8084	85.978	3334.8

Sample Name: S5 Acquired: 3/14/2019 14:59:31 Type: Cal
 Method: P4-ICP2(v2945) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	-63.122
Stddev	7.121
%RSD	11.281

#1	-57.850
#2	-71.222
#3	-60.293

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3053.7	53315.	5299.2	30.178	3362.7
Stddev	3.1	213.	10.9	2.844	2.8
%RSD	.09997	.40023	.20660	9.4232	.08287

#1	3051.4	53113.	5290.9	27.750	3361.5
#2	3052.6	53293.	5295.0	29.478	3365.9
#3	3057.2	53538.	5311.6	33.307	3360.7

Sample Name: ICV01 Acquired: 3/14/2019 15:12:01 Type: Unk
Method: P4-ICP2(v2945) 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	.98991	1.0040	.97694	1.0123	.98589	2.4898	.48927	.48859
Stddev	.00410	.0075	.00269	.0043	.00184	.0154	.00087	.00082
%RSD	.41428	.74972	.27488	.42346	.18644	.61824	.17882	.16825
#1	.98767	.99527	.97788	1.0077	.98613	2.5068	.49028	.48797
#2	.99465	1.0087	.97904	1.0128	.98760	2.4767	.48875	.48827
#3	.98742	1.0079	.97392	1.0162	.98395	2.4861	.48878	.48952
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47880	10.121	.49746	.49140	.50412	5.1448	.50739	5.9814
Stddev	.00055	.005	.00035	.00130	.00380	.0144	.00022	.0222
%RSD	.11416	.04531	.06955	.26421	.75429	.28008	.04252	.37163
#1	.47928	10.125	.49780	.49068	.50181	5.1289	.50723	5.9963
#2	.47820	10.116	.49711	.49290	.50851	5.1570	.50764	5.9559
#3	.47891	10.122	.49745	.49062	.50206	5.1485	.50732	5.9921
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49510	.52567	9.8213	.48811	1.0005	9.8843	2.5400	2.5767
Stddev	.00081	.00036	.0686	.00119	.0021	.0474	.0012	.0173
%RSD	.16290	.06892	.69882	.24347	.20625	.47949	.04665	.67193
#1	.49559	.52559	9.7539	.48787	1.0014	9.9301	2.5411	2.5682
#2	.49554	.52535	9.8190	.48706	.99820	9.8355	2.5401	2.5966
#3	.49417	.52606	9.8911	.48940	1.0021	9.8873	2.5388	2.5653
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2.2900	2.5235	2.5017	2.5892	2.4589	F 2.322	2.5042	F 1.3664
Stddev	.0325	.0066	.0055	.0081	.0122	.009	.0137	.2160
%RSD	1.4185	.26126	.21834	.31190	.49450	.3682	.54788	15.805
#1	2.2719	2.5174	2.4983	2.5800	2.4482	2.312	2.4898	1.6138
#2	2.3275	2.5305	2.5080	2.5924	2.4563	2.325	2.5056	1.2699
#3	2.2707	2.5226	2.4988	2.5952	2.4721	2.328	2.5171	1.2155

Sample Name: ICV01 Acquired: 3/14/2019 15:12:01 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICV01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 25.228
Stddev	.218
%RSD	.86328

#1	25.316
#2	25.387
#3	24.980

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3207.3	55885.	5429.3	34.233	3783.7
Stddev	8.5	69.	.8	1.016	11.8
%RSD	.26629	.12341	.01509	2.9674	.31146

#1	3197.7	55805.	5428.8	33.358	3771.3
#2	3214.2	55922.	5430.3	33.994	3794.7
#3	3209.8	55928.	5428.8	35.347	3785.1

Sample Name: LLICV01 Acquired: 3/14/2019 15:40:18 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02099	.04028	.01050	.02018	.04632	.09912	.09289
Stddev	.00113	.00083	.00058	.00390	.00021	.01354	.00201
%RSD	5.3984	2.0538	5.4937	19.334	.46013	13.661	2.1615

#1	.02118	.04124	.01043	.01960	.04655	.11354	.09360
#2	.01977	.03978	.00996	.01660	.04613	.09716	.09444
#3	.02201	.03983	.01110	.02434	.04628	.08667	.09062

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00622	.00558	1.9868	.00959	.02780	.02032	.10424
Stddev	.00005	.00004	.0107	.00040	.00010	.00020	.00024
%RSD	.82380	.63403	.53726	4.1735	.36587	.99734	.23295

#1	.00620	.00557	1.9851	.00986	.02784	.02029	.10441
#2	.00628	.00562	1.9771	.00913	.02768	.02054	.10434
#3	.00619	.00555	1.9982	.00978	.02787	.02013	.10396

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02121	2.0043	.03823	.01032	1.8706	.03865	.03817
Stddev	.00010	.0486	.00023	.00049	.0051	.00048	.00007
%RSD	.49283	2.4252	.59452	4.7322	.27188	1.2429	.17075

#1	.02132	2.0594	.03799	.01071	1.8765	.03909	.03814
#2	.02119	1.9676	.03827	.01048	1.8677	.03872	.03812
#3	.02112	1.9858	.03844	.00977	1.8677	.03814	.03824

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6819	.19991	.09659	F -.02157	.39534	.03587	.03915
Stddev	.0459	.00069	.00501	.00659	.01002	.00088	.00217
%RSD	2.7316	.34532	5.1907	30.535	2.5354	2.4563	5.5376

#1	1.7195	.19912	.10216	-.01681	.40275	.03585	.03729
#2	1.6955	.20020	.09243	-.01880	.39932	.03499	.03864
#3	1.6307	.20041	.09517	-.02908	.38393	.03675	.04153

Sample Name: LLICV01 Acquired: 3/14/2019 15:40:18 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F .00646	.0182	.01995	F<.00000	F .43413
Stddev	.00231	.0010	.00009	.67243	1.5529
%RSD	35.789	5.756	.45072	121.70	357.71
#1	.00793	.0189	.02005	-1.2282	-1.2909
#2	.00765	.0187	.01988	-.54593	1.7206
#3	.00379	.0170	.01991	.11659	.87277
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3268.0	57155.	5503.1	34.633	3969.4
Stddev	9.7	29.	59.4	.900	4.5
%RSD	.29577	.04999	1.0789	2.5990	.11386
#1	3256.9	57177.	5480.2	35.542	3964.6
#2	3273.4	57165.	5458.7	33.742	3970.1
#3	3273.9	57122.	5570.6	34.617	3973.5

Sample Name: ICB01 Acquired: 3/14/2019 15:44:44 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00097	.00160	-.00161	.00008	-.00193	-.00769	-.00773
Stddev	.00145	.00219	.00084	.00400	.00063	.00113	.00294
%RSD	149.89	137.16	52.210	5079.8	32.793	14.647	37.981

#1	-.00056	.00384	-.00207	.00341	-.00257	-.00647	-.00571
#2	.00233	.00150	-.00064	-.00436	-.00191	-.00869	-.00639
#3	.00114	-.00054	-.00212	.00119	-.00131	-.00793	-.01110

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.00002	.02125	.00006	.00013	.00044	.00061
Stddev	.00001	.00005	.00981	.00022	.00016	.00055	.00025
%RSD	14.712	273.90	46.142	342.96	119.52	124.91	40.530

#1	-.00005	.00007	.01020	.00003	-.00002	.00108	.00033
#2	-.00006	-.00003	.02465	.00030	.00030	.00008	.00070
#3	-.00004	.00001	.02890	-.00014	.00013	.00016	.00080

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.00965	.00004	-.00012	-.13308	.00015	-.00099
Stddev	.00004	.02291	.00022	.00033	.01487	.00032	.00003
%RSD	75.655	237.51	519.95	268.84	11.174	206.58	2.8347

#1	-.00009	.00930	.00018	-.00012	-.11594	.00043	-.00096
#2	-.00007	-.03512	.00015	.00021	-.14263	.00022	-.00100
#3	-.00001	-.00313	-.00021	-.00046	-.14065	-.00019	-.00101

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.35492	.00012	.00084	F -.03943	.00180	-.00183	-.00097
Stddev	.02582	.00027	.00637	.00917	.00053	.00062	.00047
%RSD	7.2748	235.76	754.48	23.260	29.737	33.850	47.924

#1	-.38223	.00005	.00507	-.04213	.00213	-.00130	-.00117
#2	-.35161	-.00012	-.00648	-.04694	.00208	-.00169	-.00131
#3	-.33091	.00042	.00394	-.02921	.00118	-.00251	-.00044

Sample Name: ICB01 Acquired: 3/14/2019 15:44:44 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICB01 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01421	.0004	.00003	F<.00000	F 2.7306
Stddev	.00047	.0016	.00003	.10623	.9121
%RSD	3.3406	399.6	95.912	264.87	33.403
#1	-.01470	-.0015	.00000	.08234	3.7436
#2	-.01375	.0014	.00003	-.10765	2.4740
#3	-.01418	.0013	.00007	-.09502	1.9743
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3255.2	57104.	5437.1	33.886	3962.6
Stddev	5.2	128.	22.0	1.125	4.3
%RSD	.15821	.22455	.40415	3.3207	.10843
#1	3251.2	56984.	5426.7	33.858	3965.4
#2	3253.5	57239.	5462.4	32.775	3964.8
#3	3261.0	57089.	5422.3	35.025	3957.7

Sample Name: CRI01 Acquired: 3/14/2019 15:58:12 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01941	.03925	.00948	.01891	.04783	.10815	.09243
Stddev	.00275	.00136	.00046	.00184	.00221	.00250	.00161
%RSD	14.175	3.4756	4.8543	9.7260	4.6157	2.3106	1.7379

#1	.01700	.04082	.00965	.01693	.04724	.10544	.09196
#2	.02241	.03832	.00983	.01923	.05027	.11037	.09112
#3	.01882	.03863	.00896	.02057	.04597	.10865	.09422

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00627	.00565	1.9993	.00934	.02810	.02064	.10268
Stddev	.00015	.00005	.0167	.00023	.00034	.00064	.00130
%RSD	2.3968	.83897	.83494	2.4910	1.2137	3.1160	1.2652

#1	.00627	.00564	1.9822	.00907	.02783	.02090	.10119
#2	.00611	.00571	2.0155	.00944	.02848	.01991	.10336
#3	.00641	.00561	2.0002	.00951	.02799	.02112	.10350

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02142	2.0038	.03876	.01021	1.8936	.03895	.03824
Stddev	.00014	.0353	.00030	.00015	.0131	.00054	.00013
%RSD	.65126	1.7644	.76131	1.4977	.69150	1.3774	.34523

#1	.02145	1.9642	.03857	.01013	1.8970	.03956	.03818
#2	.02127	2.0150	.03910	.01038	1.8791	.03856	.03816
#3	.02155	2.0321	.03862	.01011	1.9047	.03873	.03840

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6754	.20097	.10347	F -.03318	.39541	.03519	.03875
Stddev	.0247	.00021	.00963	.00418	.00224	.00017	.00133
%RSD	1.4753	.10436	9.3074	12.604	.56526	.49324	3.4373

#1	1.7012	.20073	.11297	-.03780	.39688	.03539	.03854
#2	1.6730	.20107	.10373	-.03206	.39283	.03506	.04017
#3	1.6519	.20111	.09371	-.02966	.39651	.03513	.03753

Sample Name: CRI01 Acquired: 3/14/2019 15:58:12 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F .00417	.0178	.02013	F<.00000	F .15711
Stddev	.00304	.0017	.00010	.31698	.78707
%RSD	72.810	9.694	.47645	39.382	500.98
#1	.00731	.0159	.02021	-.54198	-.50865
#2	.00125	.0193	.02002	-.71579	1.0258
#3	.00396	.0181	.02015	-1.1569	-.04579
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3289.4	57647.	5522.2	35.256	3983.5
Stddev	8.0	223.	20.4	.497	7.1
%RSD	.24216	.38723	.36868	1.4092	.17749
#1	3283.8	57426.	5500.0	35.292	3975.5
#2	3298.5	57641.	5540.0	35.733	3986.4
#3	3285.8	57872.	5526.5	34.742	3988.7

Sample Name: ICSA01 Acquired: 3/14/2019 16:02:38 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSA01 Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00986	-.00440	-.01020	.01756	-.00669	276.82	-.00477
Stddev	.00596	.00248	.00137	.00462	.00389	.46	.00337
%RSD	60.456	56.385	13.461	26.300	58.131	.16711	70.602

#1	-.01386	-.00585	-.01157	.01889	-.00788	276.57	-.00119
#2	-.01271	-.00582	-.00882	.02136	-.00984	276.54	-.00787
#3	-.00301	-.00154	-.01021	.01242	-.00234	277.35	-.00525

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00153	247.82	.04893	-.00055	.01628	91.552
Stddev	.00009	.00005	1.85	.00051	.00016	.00042	.476
%RSD	41.721	2.9744	.74453	1.0334	29.640	2.5751	.51963

#1	.00018	-.00157	245.69	.04950	-.00040	.01602	91.122
#2	.00015	-.00148	248.72	.04855	-.00053	.01676	91.469
#3	.00032	-.00152	249.03	.04872	-.00072	.01606	92.063

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01057	261.28	.00113	-.00152	-.07895	.00281	-.01421
Stddev	.00007	1.82	.00018	.00062	.00433	.00044	.00027
%RSD	.65340	.69472	15.683	40.998	5.4875	15.797	1.8987

#1	.01065	259.20	.00092	-.00218	-.07413	.00238	-.01391
#2	.01052	262.14	.00124	-.00145	-.08251	.00326	-.01429
#3	.01054	262.51	.00122	-.00093	-.08022	.00279	-.01444

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.30087	.00010	-.00554	F -.09452	-.00667	.00886	-.00342
Stddev	.01311	.00024	.01168	.01535	.00181	.00100	.00051
%RSD	4.3569	249.37	210.91	16.237	27.111	11.241	14.933

#1	-.30252	.00016	-.01899	-.07901	-.00677	.00772	-.00283
#2	-.28702	-.00017	.00205	-.10970	-.00844	.00957	-.00369
#3	-.31308	.00030	.00032	-.09483	-.00482	.00930	-.00372

Sample Name: ICSA01 Acquired: 3/14/2019 16:02:38 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSA01 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F .02207	.0014	.00281	4.5811	634.96
Stddev	.00153	.0008	.00050	.2330	2.14
%RSD	6.9244	56.22	17.720	5.0859	.33706
#1	.02320	.0009	.00332	4.3873	636.05
#2	.02033	.0009	.00277	4.5164	632.49
#3	.02267	.0022	.00233	4.8396	636.33
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2926.3	50290.	5258.9	31.956	3209.7
Stddev	3.1	58.	36.4	2.245	5.0
%RSD	.10599	.11528	.69269	7.0251	.15688
#1	2924.1	50295.	5298.1	32.619	3204.1
#2	2929.9	50346.	5252.3	29.454	3211.1
#3	2924.9	50230.	5226.1	33.795	3213.9

Sample Name: ICSAB01 Acquired: 3/14/2019 16:07:09 Type: Unk
Method: P4-ICP2(v2945) 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	.09097	.08699	.04134	.07188	.61430	272.13	.50472	.54619
Stddev	.00321	.00160	.00163	.00691	.00225	.55	.00513	.00184
%RSD	3.5330	1.8393	3.9339	9.6103	.36550	.20375	1.0160	.33729

#1	.08727	.08561	.04317	.07608	.61604	271.50	.50587	.54482
#2	.09259	.08662	.04006	.07565	.61176	272.41	.49911	.54828
#3	.09306	.08874	.04080	.06391	.61509	272.50	.50917	.54547

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0011	243.46	.56115	.50165	.50556	89.670	.52201	256.17
Stddev	.0005	1.50	.00163	.00065	.00012	.313	.00129	1.01
%RSD	.05157	.61623	.29112	.13036	.02294	.34944	.24750	.39549

#1	1.0008	243.33	.56053	.50119	.50569	89.997	.52149	256.06
#2	1.0017	242.04	.56301	.50240	.50547	89.372	.52348	255.21
#3	1.0007	245.03	.55992	.50137	.50551	89.640	.52105	257.23

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99888	.20080	-.06497	.50943	1.0918	-.29948	1.0558	1.0498
Stddev	.00159	.00076	.01774	.00350	.0011	.06581	.0015	.0152
%RSD	.15936	.37751	27.314	.68694	.10411	21.975	.14076	1.4483

#1	1.0004	.20168	-.08545	.50912	1.0909	-.37536	1.0547	1.0445
#2	.99892	.20031	-.05430	.51308	1.0914	-.25787	1.0553	1.0380
#3	.99726	.20042	-.05514	.50610	1.0930	-.26523	1.0575	1.0669

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99976	.97671	1.0895	1.0535	1.0765	1.035	1.0190	4.1469
Stddev	.01460	.00386	.0015	.0019	.0016	.003	.0048	.2430
%RSD	1.4605	.39502	.13825	.17748	.15137	.2706	.47310	5.8597

#1	1.0147	.97896	1.0887	1.0516	1.0757	1.038	1.0192	4.3807
#2	.99913	.97225	1.0913	1.0535	1.0754	1.032	1.0141	4.1644
#3	.98548	.97891	1.0886	1.0554	1.0784	1.034	1.0237	3.8957

Sample Name: ICSAB01 Acquired: 3/14/2019 16:07:09 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSAB01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	637.03
Stddev	2.95
%RSD	.46255

#1	636.14
#2	634.64
#3	640.32

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2964.8	51168.	5368.5	31.408	3249.0
Stddev	5.3	139.	24.1	.265	.6
%RSD	.17848	.27240	.44968	.84262	.01945

#1	2969.6	51064.	5348.6	31.643	3249.3
#2	2965.7	51113.	5395.4	31.460	3248.2
#3	2959.2	51326.	5361.5	31.121	3249.3

Sample Name: CCV01 Acquired: 3/14/2019 16:11:26 Type: Unk
Method: P4-ICP2(v2945) 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	4.9775	4.9938	4.9486	5.0206	5.0087	9.9196	9.8511	.25048
Stddev	.0073	.0052	.0045	.0036	.0107	.1156	.0531	.00083
%RSD	.14675	.10470	.09031	.07250	.21418	1.1652	.53946	.32977
#1	4.9762	4.9927	4.9483	5.0248	5.0068	9.7909	9.7978	.25088
#2	4.9708	4.9995	4.9443	5.0186	4.9991	9.9535	9.9041	.25103
#3	4.9853	4.9892	4.9533	5.0184	5.0203	10.014	9.8512	.24953
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4769	24.902	1.0075	2.4789	1.2396	5.0182	2.5144	24.652
Stddev	.0014	.180	.0028	.0031	.0016	.0178	.0050	.077
%RSD	.05828	.72197	.28115	.12438	.12847	.35407	.19961	.31393
#1	2.4784	24.718	1.0079	2.4824	1.2414	5.0235	2.5098	24.702
#2	2.4767	24.911	1.0101	2.4778	1.2388	5.0327	2.5197	24.562
#3	2.4756	25.077	1.0045	2.4766	1.2385	4.9984	2.5137	24.691
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4786	1.2492	24.723	2.4925	2.4993	24.657	4.9928	4.9484
Stddev	.0029	.0026	.179	.0047	.0013	.140	.0036	.0427
%RSD	.11580	.20986	.72393	.18709	.05356	.56914	.07179	.86364
#1	2.4818	1.2489	24.607	2.4901	2.5005	24.614	4.9965	4.9004
#2	2.4764	1.2520	24.929	2.4978	2.4996	24.813	4.9894	4.9624
#3	2.4775	1.2468	24.632	2.4894	2.4979	24.543	4.9927	4.9823
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8785	4.9498	4.9464	4.9422	4.9538	4.955	5.0281	F 2.9316
Stddev	.0148	.0206	.0011	.0215	.0296	.007	.0265	.1238
%RSD	.30363	.41620	.02247	.43481	.59710	.1474	.52713	4.2224
#1	4.8665	4.9613	4.9475	4.9176	4.9262	4.958	4.9990	2.7900
#2	4.8950	4.9620	4.9452	4.9513	4.9850	4.961	5.0509	2.9858
#3	4.8738	4.9260	4.9465	4.9576	4.9501	4.947	5.0343	3.0191

Sample Name: CCV01 Acquired: 3/14/2019 16:11:26 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV01 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	F 3.1891
Stddev	2.2861
%RSD	71.685

#1	3.9933
#2	4.9645
#3	.60958

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3161.4	54903.	5436.2	32.579	3589.3
Stddev	9.0	112.	22.0	.540	7.4
%RSD	.28509	.20342	.40462	1.6589	.20561

#1	3155.0	54970.	5418.6	32.060	3582.0
#2	3171.7	54774.	5429.1	33.139	3596.7
#3	3157.4	54964.	5460.8	32.539	3589.1

Sample Name: LLCCV01 Acquired: 3/14/2019 16:15:26 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLCCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02105	.04099	.00995	.02154	.04948	.11368	.09824
Stddev	.00218	.00152	.00017	.00144	.00123	.00399	.00298
%RSD	10.332	3.7189	1.7007	6.6810	2.4827	3.5142	3.0363

#1	.02066	.03995	.00984	.02180	.05077	.11740	.09484
#2	.01910	.04274	.00986	.02283	.04935	.10945	.10043
#3	.02340	.04028	.01014	.01999	.04832	.11419	.09945

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00650	.00590	2.0658	.00975	.02903	.02095	.10513
Stddev	.00005	.00006	.0219	.00075	.00039	.00069	.00064
%RSD	.76987	1.0639	1.0576	7.6911	1.3276	3.2751	.60610

#1	.00647	.00597	2.0649	.01062	.02861	.02033	.10513
#2	.00646	.00588	2.0881	.00929	.02935	.02169	.10577
#3	.00655	.00586	2.0444	.00935	.02914	.02083	.10450

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02204	2.0988	.03996	.01034	1.9247	.04016	.04017
Stddev	.00013	.0108	.00005	.00024	.0050	.00043	.00021
%RSD	.57981	.51585	.12503	2.2984	.25802	1.0790	.53040

#1	.02192	2.0865	.04001	.01018	1.9203	.04002	.04012
#2	.02217	2.1067	.03991	.01022	1.9237	.03982	.04040
#3	.02202	2.1033	.03995	.01061	1.9301	.04065	.03998

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7765	.20773	.11633	F -.02911	.40559	.03794	.04070
Stddev	.0686	.00083	.00496	.00920	.00182	.00047	.00174
%RSD	3.8608	.40151	4.2602	31.610	.44799	1.2357	4.2658

#1	1.8166	.20711	.11185	-.02176	.40719	.03769	.03870
#2	1.6973	.20868	.12165	-.03943	.40362	.03848	.04161
#3	1.8156	.20740	.11548	-.02614	.40596	.03764	.04179

Sample Name: LLCCV01 Acquired: 3/14/2019 16:15:26 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLCCV01 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F .00541	.0179	.02076	F<.00000	F<.00000
Stddev	.00260	.0013	.00009	.42131	1.3367
%RSD	48.001	7.179	.42440	97.774	201.77

#1	.00265	.0168	.02067	-.60933	.41762
#2	.00780	.0177	.02075	.05026	-2.1574
#3	.00578	.0193	.02085	-.73363	-.24765

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3277.5	57235.	5554.8	35.667	3964.0
Stddev	5.5	121.	28.4	.262	1.7
%RSD	.16759	.21058	.51151	.73440	.04371

#1	3277.1	57293.	5522.5	35.900	3965.0
#2	3272.3	57096.	5566.3	35.717	3962.0
#3	3283.2	57315.	5575.7	35.383	3965.1

Sample Name: CCB01 Acquired: 3/14/2019 16:19:54 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00208	-.00076	-.00207	-.00280	-.00117	.00919	-.01412
Stddev	.00111	.00154	.00061	.00367	.00024	.00888	.00570
%RSD	53.202	202.37	29.722	131.01	20.461	96.566	40.331

#1	.00140	.00101	-.00149	.00125	-.00145	-.00105	-.02070
#2	.00148	-.00178	-.00200	-.00590	-.00105	.01403	-.01066
#3	.00336	-.00151	-.00272	-.00375	-.00102	.01460	-.01101

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-.00006	.00565	.00000	-.00003	.00049	-.00104
Stddev	.00008	.00007	.01096	.00016	.00017	.00012	.00080
%RSD	216.99	108.35	193.94	21524.	567.70	25.057	77.200

#1	-.00001	-.00014	.01166	-.00017	.00006	.00047	-.00037
#2	-.00001	-.00001	.01230	.00015	.00008	.00062	-.00193
#3	.00013	-.00004	-.00700	.00002	-.00023	.00038	-.00081

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	-.00793	.00010	-.00024	-.13136	.00005	-.00099
Stddev	.00005	.02274	.00050	.00018	.00986	.00024	.00006
%RSD	94.905	286.59	509.70	78.110	7.5083	484.53	5.9071

#1	-.00004	-.03414	-.00005	-.00027	-.14272	-.00010	-.00093
#2	-.00011	.00655	-.00031	-.00040	-.12636	.00033	-.00102
#3	-.00001	.00379	.00066	-.00004	-.12499	-.00008	-.00103

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.35263	-.00003	-.00442	F -.05521	.00071	-.00220	.00076
Stddev	.03409	.00024	.00432	.00350	.00096	.00065	.00050
%RSD	9.6688	823.91	97.736	6.3431	136.42	29.554	65.712

#1	-.38038	-.00027	-.00630	-.05810	.00111	-.00206	.00064
#2	-.36293	.00021	-.00748	-.05131	-.00039	-.00290	.00034
#3	-.31457	-.00003	.00052	-.05621	.00140	-.00163	.00132

Sample Name: CCB01 Acquired: 3/14/2019 16:19:54 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCB01 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01395	.0011	.00002	F<.00000	F 1.5243
Stddev	.00217	.0009	.00007	.22198	1.9168
%RSD	15.525	82.49	290.20	18.624	125.75
#1	-.01450	.0014	.00010	-.95164	2.0985
#2	-.01156	.0019	-.00005	-1.3894	-.61399
#3	-.01578	.0001	.00002	-1.2347	3.0884
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3291.0	57744.	5533.9	33.964	3995.6
Stddev	6.1	45.	36.1	2.096	9.0
%RSD	.18465	.07873	.65150	6.1719	.22604
#1	3284.3	57740.	5575.6	31.592	3993.6
#2	3292.5	57701.	5513.3	35.567	3987.7
#3	3296.1	57792.	5512.9	34.733	4005.4

Sample Name: PB117932BL Acquired: 3/14/2019 16:24:07 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00125	.00115	-.00187	-.00554	-.00313	.00913	-.00981
Stddev	.00088	.00065	.00055	.00334	.00012	.00250	.00401
%RSD	70.893	56.994	29.388	60.245	3.6915	27.377	40.821

#1	-.00057	.00039	-.00226	-.00169	-.00317	.00812	-.01246
#2	-.00092	.00155	-.00212	-.00725	-.00322	.01198	-.00521
#3	-.00225	.00150	-.00124	-.00768	-.00300	.00730	-.01177

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00014	.00865	-.00004	.00004	-.00004	-.00086
Stddev	.00005	.00004	.02062	.00019	.00005	.00026	.00183
%RSD	688.27	30.743	238.24	433.26	109.30	740.74	212.16

#1	.00005	-.00012	.02412	.00017	.00005	-.00012	-.00282
#2	-.00003	-.00018	-.01475	-.00018	.00009	-.00025	.00081
#3	-.00004	-.00010	.01660	-.00012	-.00001	.00026	-.00058

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	-.00559	.00033	-.00024	-.14115	-.00008	-.00111
Stddev	.00003	.02392	.00031	.00048	.01323	.00038	.00006
%RSD	80.512	427.96	91.338	201.79	9.3740	482.78	5.8709

#1	.00003	-.03319	.00003	-.00061	-.13112	.00036	-.00107
#2	.00001	.00912	.00064	-.00041	-.13618	-.00031	-.00107
#3	.00006	.00730	.00033	.00030	-.15614	-.00028	-.00118

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.33456	.00003	.00624	F -.05309	.00124	-.00185	.00006
Stddev	.01290	.00015	.00584	.00917	.00183	.00059	.00116
%RSD	3.8544	442.70	93.656	17.271	147.39	31.938	1788.7

#1	-.34944	.00021	.01069	-.05036	-.00070	-.00214	.00018
#2	-.32701	-.00005	-.00038	-.06331	.00149	-.00224	.00116
#3	-.32721	-.00005	.00840	-.04559	.00293	-.00117	-.00115

Sample Name: PB117932BL Acquired: 3/14/2019 16:24:07 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01520	.0017	-.00003	F<.00000	F<.00000
Stddev	.00139	.0008	.00011	.41120	1.1825
%RSD	9.1176	48.72	321.71	31.324	657.81
#1	-.01475	.0008	-.00001	-1.3061	-.37743
#2	-.01410	.0019	-.00015	-.90493	1.0891
#3	-.01676	.0024	.00006	-1.7273	-1.2510
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3300.3	57888.	5569.8	35.097	4012.7
Stddev	5.4	49.	59.4	2.269	3.8
%RSD	.16333	.08551	1.0666	6.4659	.09360
#1	3294.7	57946.	5527.0	35.400	4017.0
#2	3300.6	57863.	5544.9	32.692	4010.1
#3	3305.5	57857.	5637.6	37.200	4011.0

Sample Name: PB117932BS Acquired: 3/14/2019 16:28:37 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.78348	2.0312	.97011	2.0450	.78259	1.9383	.19365
Stddev	.00553	.0072	.00392	.0041	.00219	.0198	.00428
%RSD	.70570	.35587	.40382	.20000	.27965	1.0207	2.2089

#1	.78910	2.0377	.97319	2.0474	.78511	1.9544	.18930
#2	.78329	2.0324	.97144	2.0473	.78132	1.9443	.19785
#3	.77805	2.0234	.96570	2.0403	.78133	1.9162	.19378

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20397	.19341	1.0415	.40855	.19756	.31156	3.1828
Stddev	.00027	.00037	.0163	.00214	.00111	.00243	.0150
%RSD	.13117	.19347	1.5648	.52448	.56125	.78072	.47292

#1	.20397	.19346	1.0345	.40721	.19801	.31183	3.1934
#2	.20371	.19376	1.0602	.40742	.19838	.31385	3.1656
#3	.20424	.19302	1.0300	.41102	.19630	.30901	3.1893

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20746	2.0207	.49839	.07473	2.9562	.30064	.20204
Stddev	.00049	.0555	.00187	.00069	.0052	.00103	.00065
%RSD	.23519	2.7460	.37528	.91835	.17615	.34333	.32363

#1	.20739	2.0779	.50024	.07449	2.9509	.29970	.20268
#2	.20701	2.0172	.49844	.07419	2.9613	.30047	.20207
#3	.20798	1.9671	.49650	.07550	2.9565	.30175	.20137

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9063	.39678	.30052	F -.06527	.96284	.67595	.19639
Stddev	.0837	.00088	.01553	.00848	.00436	.00258	.00178
%RSD	.84471	.22054	5.1664	12.990	.45259	.38118	.90388

#1	9.8404	.39685	.28777	-.07034	.96292	.67743	.19434
#2	10.000	.39763	.31781	-.06999	.95844	.67746	.19742
#3	9.8780	.39588	.29597	-.05548	.96716	.67298	.19741

Sample Name: PB117932BS Acquired: 3/14/2019 16:28:37 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18666	F 5.413	.19897	F .28630	F 44.334
Stddev	.00288	.019	.00049	.23973	1.824
%RSD	1.5441	.3444	.24749	83.733	4.1131
#1	.18996	5.424	.19846	.05813	42.238
#2	.18540	5.425	.19944	.53611	45.554
#3	.18463	5.392	.19903	.26465	45.211
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3272.6	57187.	5508.5	35.078	3927.1
Stddev	5.1	28.	11.2	.788	8.8
%RSD	.15650	.04858	.20294	2.2469	.22473
#1	3270.8	57208.	5502.9	34.867	3927.0
#2	3268.6	57156.	5521.4	35.950	3918.3
#3	3278.4	57198.	5501.2	34.417	3936.0

Sample Name: PB117934BL Acquired: 3/14/2019 16:32:46 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00207	.00071	-.00241	-.00170	-.00321	.00595	-.00536
Stddev	.00150	.00150	.00087	.00144	.00126	.00959	.00185
%RSD	72.483	210.95	36.212	85.026	39.279	161.20	34.620

#1	.00034	.00067	-.00319	-.00014	-.00447	-.00471	-.00325
#2	.00295	.00223	-.00258	-.00196	-.00195	.01387	-.00675
#3	.00294	-.00077	-.00147	-.00298	-.00320	.00868	-.00607

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	-.00011	.01498	-.00030	.00000	.00073	-.00162
Stddev	.00005	.00002	.01611	.00007	.00018	.00025	.00037
%RSD	142.20	15.112	107.59	21.951	4217.7	34.390	22.607

#1	.00003	-.00013	.00991	-.00026	.00017	.00092	-.00192
#2	.00008	-.00011	.00200	-.00027	.00003	.00084	-.00121
#3	-.00001	-.00010	.03301	-.00038	-.00019	.00045	-.00174

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	-.00565	.00009	-.00018	-.15144	-.00012	-.00113
Stddev	.00001	.03102	.00028	.00036	.00819	.00062	.00018
%RSD	366.60	548.65	309.24	197.73	5.4077	506.14	15.859

#1	-.00002	.02909	-.00019	.00012	-.15626	-.00059	-.00105
#2	.00001	-.01551	.00009	-.00009	-.14199	.00058	-.00101
#3	-.00001	-.03055	.00038	-.00059	-.15608	-.00036	-.00133

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.30560	-.00006	-.00679	F -.05432	-.00089	-.00195	.00002
Stddev	.05771	.00013	.00552	.00397	.00109	.00058	.00154
%RSD	18.884	203.14	81.397	7.3155	121.98	29.660	9330.9

#1	-.25592	-.00012	-.00541	-.05860	.00020	-.00181	.00179
#2	-.29198	.00008	-.00208	-.05075	-.00089	-.00145	-.00103
#3	-.36890	-.00015	-.01287	-.05361	-.00197	-.00258	-.00071

Sample Name: PB117934BL Acquired: 3/14/2019 16:32:46 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01576	.0006	.00005	F<.00000	F 1.3114
Stddev	.00112	.0003	.00003	.34215	1.3987
%RSD	7.1059	49.22	66.835	35.316	106.66
#1	-.01623	.0005	.00002	-.79816	-.13992
#2	-.01657	.0009	.00005	-.74559	1.4233
#3	-.01448	.0003	.00008	-1.3628	2.6508
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3268.4	57443.	5509.0	34.786	3976.2
Stddev	4.4	174.	23.9	.869	3.5
%RSD	.13556	.30329	.43320	2.4984	.08835
#1	3270.7	57519.	5495.1	33.825	3974.0
#2	3263.3	57244.	5536.6	35.517	3974.4
#3	3271.3	57567.	5495.4	35.017	3980.3

Sample Name: PB117934BS Acquired: 3/14/2019 16:37:15 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.77862	2.0398	.96869	2.0451	.78772	1.9552	.19758
Stddev	.00155	.0044	.00465	.0033	.00367	.0133	.00715
%RSD	.19965	.21640	.48042	.16272	.46596	.67969	3.6180

#1	.77693	2.0347	.96374	2.0448	.78357	1.9690	.19299
#2	.77896	2.0415	.96938	2.0419	.78903	1.9424	.19393
#3	.77998	2.0431	.97297	2.0485	.79056	1.9543	.20581

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20444	.19428	1.0272	.40884	.19765	.31102	3.1886
Stddev	.00018	.00086	.0098	.00162	.00113	.00133	.0202
%RSD	.08803	.44052	.95566	.39666	.57381	.42813	.63441

#1	.20423	.19332	1.0345	.40773	.19635	.31062	3.1750
#2	.20455	.19453	1.0310	.41070	.19814	.30993	3.2118
#3	.20453	.19498	1.0160	.40809	.19845	.31250	3.1789

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20812	2.0754	.49860	.07425	2.9282	.30151	.20247
Stddev	.00025	.0315	.00070	.00086	.0330	.00091	.00096
%RSD	.11893	1.5191	.14105	1.1600	1.1260	.30296	.47311

#1	.20792	2.1056	.49800	.07327	2.9642	.30096	.20154
#2	.20805	2.0427	.49938	.07457	2.9209	.30257	.20241
#3	.20840	2.0781	.49843	.07490	2.8994	.30101	.20345

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.040	.39656	.30027	F -.07094	.97371	.68071	.19881
Stddev	.051	.00102	.01275	.00920	.00688	.00380	.00008
%RSD	.50980	.25727	4.2465	12.970	.70660	.55819	.04013

#1	10.081	.39769	.28691	-.07615	.96621	.67633	.19891
#2	10.055	.39571	.31231	-.07636	.97972	.68281	.19878
#3	9.9826	.39629	.30158	-.06031	.97522	.68300	.19876

Sample Name: PB117934BS Acquired: 3/14/2019 16:37:15 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18576	F 5.407	.19906	F<.00000	F 43.115
Stddev	.00146	.029	.00025	.12343	1.059
%RSD	.78552	.5322	.12641	68.806	2.4561
#1	.18745	5.378	.19917	-.27241	42.181
#2	.18496	5.405	.19924	-.03936	44.265
#3	.18488	5.436	.19878	-.22639	42.898
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3265.2	57006.	5470.3	34.739	3918.7
Stddev	6.5	55.	22.3	1.617	3.0
%RSD	.19954	.09641	.40684	4.6555	.07566
#1	3258.4	57031.	5473.0	35.900	3921.0
#2	3265.9	56943.	5446.8	35.425	3915.4
#3	3271.4	57044.	5491.0	32.892	3919.8

Sample Name: K1831-01 Acquired: 3/14/2019 16:41:20 Type: Unk
Method: P4-ICP2(v2945) 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	.52222	.46198	1.4460	.33169	.17726	1.5150	.75794	.48720
Stddev	.00268	.00135	.0019	.00052	.00181	.0328	.00798	.00108
%RSD	.51351	.29282	.13152	.15535	1.0208	2.1666	1.0527	.22134

#1	.52188	.46344	1.4439	.33208	.17588	1.4798	.75666	.48835
#2	.52506	.46175	1.4476	.33110	.17658	1.5448	.76649	.48704
#3	.51973	.46077	1.4465	.33188	.17931	1.5202	.75068	.48622

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26910	.01733	.55399	.27186	.97091	1.8691	1.1566	-.00942
Stddev	.00021	.01799	.00176	.00018	.00287	.0400	.0017	.02950
%RSD	.07860	103.81	.31818	.06642	.29582	2.1381	.14617	313.19

#1	.26917	.03200	.55302	.27166	.96762	1.9152	1.1580	.02462
#2	.26886	-.00274	.55602	.27193	.97289	1.8478	1.1570	-.02753
#3	.26926	.02273	.55291	.27200	.97223	1.8443	1.1547	-.02534

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27225	.49039	-.11091	1.3253	.92507	-.31142	.25179	.97636
Stddev	.00044	.00201	.00599	.0031	.00147	.02490	.00040	.00984
%RSD	.16104	.40947	5.3969	.23225	.15882	7.9969	.15915	1.0080

#1	.27260	.48999	-.10634	1.3281	.92606	-.31125	.25149	.98638
#2	.27176	.49257	-.11769	1.3257	.92577	-.28661	.25224	.97598
#3	.27240	.48862	-.10872	1.3220	.92338	-.33642	.25163	.96671

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.05133	.12034	-.00256	-.00047	-.01461	-.0005	.49519	<.00000
Stddev	.00657	.00412	.00075	.00111	.00211	.0001	.00559	.57152
%RSD	12.808	3.4214	29.302	238.93	14.469	21.12	1.1297	40.997

#1	-.05877	.12510	-.00190	.00036	-.01550	-.0005	.50148	-2.0470
#2	-.04630	.11800	-.00240	-.00002	-.01220	-.0003	.49330	-.98485
#3	-.04892	.11793	-.00337	-.00173	-.01614	-.0005	.49078	-1.1503

Sample Name: K1831-01 Acquired: 3/14/2019 16:41:20 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg 7.8951
Stddev 1.6362
%RSD 20.725

#1 8.7024
#2 8.9709
#3 6.0121

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3291.3	57773.	5553.4	34.085	3982.2
Stddev	7.7	98.	115.2	.879	8.2
%RSD	.23423	.16946	2.0735	2.5796	.20529

#1	3289.8	57867.	5421.1	35.100	3981.0
#2	3284.4	57671.	5607.6	33.595	3974.8
#3	3299.6	57782.	5631.4	33.561	3991.0

Sample Name: K1831-03 Acquired: 3/14/2019 16:45:30 Type: Unk
Method: P4-ICP2(v2945) 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	.00033	-.00269	-.00148	-.00267	-.00816	.05160	-.00994	.00003
Stddev	.00050	.00136	.00041	.00077	.00092	.01710	.00190	.00002
%RSD	150.42	50.694	27.813	28.917	11.250	33.133	19.147	68.279

#1	.00072	-.00417	-.00192	-.00331	-.00922	.05751	-.01183	.00001
#2	-.00023	-.00149	-.00109	-.00287	-.00763	.03233	-.00996	.00002
#3	.00052	-.00242	-.00144	-.00181	-.00763	.06496	-.00802	.00005

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00438	-.00063	-.00003	.00034	-.00501	.00004	.01638
Stddev	.00001	.00274	.00018	.00005	.00029	.00130	.00008	.02706
%RSD	22.403	62.642	28.981	183.98	85.281	26.014	188.73	165.18

#1	.00004	.00683	-.00062	.00003	.00019	-.00385	.00012	.01401
#2	.00003	.00142	-.00082	-.00005	.00015	-.00475	.00006	.04456
#3	.00003	.00489	-.00045	-.00006	.00067	-.00642	-.00004	-.00941

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-.00009	-.00106	.00037	-.00064	-.32670	.00019	.17813
Stddev	.00019	.00016	.00483	.00022	.00008	.01774	.00019	.00402
%RSD	5018.9	167.67	457.89	58.471	12.768	5.4311	97.912	2.2581

#1	.00009	.00007	-.00335	.00012	-.00056	-.31893	.00028	.17349
#2	-.00021	-.00025	-.00431	.00053	-.00064	-.31417	.00033	.18029
#3	.00013	-.00011	.00450	.00046	-.00072	-.34700	-.00002	.18061

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.06661	1.3968	1.8135	.28040	-.01612	.0007	.00008	<.00000
Stddev	.00767	.0130	.0065	.00528	.00404	.0010	.00002	.38167
%RSD	11.519	.93021	.35606	1.8834	25.073	150.9	29.017	17.889

#1	-.06814	1.4030	1.8116	.27652	-.01734	.0015	.00011	-2.4375
#2	-.07341	1.4055	1.8206	.27828	-.01941	-.0005	.00006	-1.7052
#3	-.05829	1.3819	1.8081	.28642	-.01161	.0010	.00007	-2.2579

Sample Name: K1831-03 Acquired: 3/14/2019 16:45:30 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg 1.1265
 Stddev 1.4842
 %RSD 131.76

#1 .37276
 #2 .17039
 #3 2.8364

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3315.5	58216.	5583.7	33.289	4027.4
Stddev	6.2	265.	47.2	1.182	13.5
%RSD	.18618	.45523	.84447	3.5493	.33607

#1	3308.8	58510.	5596.9	33.375	4014.0
#2	3321.1	57996.	5531.3	32.067	4027.2
#3	3316.5	58142.	5622.8	34.425	4041.0

Sample Name: K1831-05 Acquired: 3/14/2019 16:49:55 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00028	.00061	-.00193	-.00605	-.00703	.01173	-.00545
Stddev	.00132	.00024	.00046	.00357	.00097	.01193	.00244
%RSD	475.50	39.870	23.734	59.024	13.737	101.74	44.767

#1	-.00022	.00070	-.00235	-.01016	-.00763	.01663	-.00716
#2	.00102	.00033	-.00202	-.00420	-.00755	.02043	-.00652
#3	-.00163	.00079	-.00144	-.00377	-.00592	-.00187	-.00266

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	-.00019	54.531	-.00104	-.00005	-.00003	-.00169
Stddev	.00005	.00004	1.206	.00006	.00010	.00008	.00037
%RSD	44.107	21.283	2.2109	5.3123	177.28	263.65	21.738

#1	.00008	-.00015	55.885	-.00101	.00000	-.00004	-.00202
#2	.00018	-.00019	54.132	-.00101	-.00017	-.00010	-.00129
#3	.00011	-.00023	53.575	-.00110	.00000	.00005	-.00175

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	11.118	-.00068	-.00024	57.970	.00043	-.00130
Stddev	.00003	.237	.00006	.00044	.968	.00082	.00006
%RSD	29.173	2.1327	8.5188	182.96	1.6694	190.86	4.3795

#1	.00009	11.381	-.00063	-.00067	59.085	.00023	-.00124
#2	.00015	11.052	-.00074	.00020	57.345	-.00027	-.00131
#3	.00009	10.920	-.00066	-.00024	57.480	.00133	-.00136

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.473	.00021	-.00341	-.09229	-.00271	-.00282	-.00128
Stddev	.484	.00033	.00932	.00625	.00299	.00109	.00080
%RSD	1.7001	158.29	273.46	6.7747	110.47	38.799	62.402

#1	29.032	.00058	.00376	-.08511	.00063	-.00156	-.00208
#2	28.201	-.00005	-.01395	-.09517	-.00363	-.00339	-.00049
#3	28.187	.00009	-.00004	-.09658	-.00513	-.00351	-.00126

Sample Name: K1831-05 Acquired: 3/14/2019 16:49:55 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.01899	-.0017	.00564	<.00000	F<.00000
Stddev	.00151	.0011	.00023	.37271	2.6093
%RSD	7.9405	67.46	4.0023	14.047	17.184

#1	-.02074	-.0028	.00590	-2.4965	-18.162
#2	-.01816	-.0018	.00550	-2.3845	-13.297
#3	-.01809	-.0005	.00553	-3.0787	-14.095

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3341.8	58487.	5738.5	35.611	3907.3
Stddev	5.3	84.	40.5	1.043	13.4
%RSD	.15965	.14445	.70578	2.9286	.34340

#1	3346.5	58547.	5694.1	35.005	3918.7
#2	3343.1	58522.	5747.9	35.013	3910.7
#3	3336.0	58390.	5773.5	36.816	3892.5

Sample Name: K1831-07 Acquired: 3/14/2019 16:54:21 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01004	.00293	.05644	-.00051	-.00435	.01384	-.00706
Stddev	.00271	.00188	.00054	.00216	.00024	.00350	.00608
%RSD	26.941	64.250	.96286	425.14	5.4510	25.310	86.165

#1	-.01292	.00096	.05703	-.00269	-.00455	.01104	-.01374
#2	-.00754	.00471	.05632	.00162	-.00443	.01777	-.00183
#3	-.00967	.00314	.05597	-.00045	-.00409	.01271	-.00561

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.00020	.01428	.00006	-.00024	-.00161	-.11628
Stddev	.00006	.00011	.01388	.00053	.00018	.00050	.00084
%RSD	322.18	52.557	97.171	873.10	72.459	31.268	.72219

#1	-.00007	.00019	-.00154	.00063	-.00039	-.00177	-.11543
#2	-.00001	.00010	.02440	-.00041	-.00029	-.00104	-.11711
#3	.00004	.00032	.01997	-.00004	-.00005	-.00200	-.11631

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.02663	-.00169	.00011	172.21	.00053	-.00132
Stddev	.00006	.04504	.00038	.00050	2.78	.00037	.00008
%RSD	24.311	169.15	22.416	463.30	1.6136	70.668	5.8586

#1	.00030	-.07745	-.00149	.00007	174.49	.00010	-.00135
#2	.00020	.00835	-.00145	.00063	173.02	.00071	-.00123
#3	.00020	-.01079	-.00212	-.00037	169.11	.00077	-.00138

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.28534	.00040	-.00605	-.09824	F 96.318	-.00156	.01146
Stddev	.02825	.00024	.00696	.01065	.992	.00081	.00258
%RSD	9.9003	58.840	115.02	10.837	1.0294	51.939	22.554

#1	-.28817	.00065	-.00068	-.09605	96.252	-.00248	.01286
#2	-.31206	.00040	-.01392	-.10981	97.341	-.00128	.00848
#3	-.25578	.00017	-.00356	-.08886	95.362	-.00093	.01303

Sample Name: K1831-07 Acquired: 3/14/2019 16:54:21 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.02544	.0007	.00003	<.00000	F<.00000
Stddev	.00024	.0014	.00004	.11871	.87197
%RSD	.92872	215.6	134.34	12.254	59.376

#1	-.02572	.0023	-.00002	-.93776	-.63869
#2	-.02532	.0001	.00005	-.86855	-2.3773
#3	-.02529	-.0004	.00005	-1.0998	-1.3897

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3342.0	57865.	5783.5	36.977	3858.4
Stddev	2.7	121.	59.5	1.700	4.4
%RSD	.08147	.20893	1.0282	4.5974	.11491

#1	3339.1	58001.	5793.3	35.245	3855.2
#2	3342.6	57770.	5719.7	37.044	3856.5
#3	3344.4	57824.	5837.4	38.643	3863.4

Sample Name: K1832-01 Acquired: 3/14/2019 16:58:48 Type: Unk
Method: P4-ICP2(v2945) 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	.50739	.44218	1.3987	.32207	.17208	1.4901	.73911	.47004
Stddev	.00309	.00225	.0060	.00198	.00085	.0296	.00735	.00069
%RSD	.60829	.50827	.42577	.61572	.49452	1.9885	.99402	.14768

#1	.50808	.44477	1.3978	.32049	.17168	1.4828	.74606	.46965
#2	.50402	.44080	1.3933	.32429	.17151	1.4647	.73142	.46963
#3	.51008	.44096	1.4051	.32142	.17306	1.5227	.73985	.47085

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26038	.01223	.53116	.26323	.93992	1.7960	1.1143	.00605
Stddev	.00072	.01387	.00364	.00054	.00222	.0236	.0024	.03213
%RSD	.27793	113.39	.68520	.20514	.23647	1.3151	.21751	531.36

#1	.26074	-.00176	.52766	.26292	.94075	1.8163	1.1117	-.02424
#2	.25955	.02597	.53088	.26292	.93740	1.8017	1.1146	.00263
#3	.26085	.01247	.53493	.26385	.94161	1.7701	1.1165	.03975

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26299	.47158	-.00194	1.2776	.89667	-.12193	.24355	.95263
Stddev	.00159	.00266	.00947	.0019	.00129	.02284	.00041	.01000
%RSD	.60355	.56307	487.48	.15108	.14379	18.732	.16785	1.0497

#1	.26262	.46965	.00888	1.2760	.89651	-.11671	.24382	.96386
#2	.26162	.47049	-.00867	1.2772	.89547	-.14693	.24308	.94933
#3	.26473	.47461	-.00604	1.2798	.89803	-.10215	.24376	.94470

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.05569	.11946	-.00162	-.00106	-.00676	.0021	.48215	<.00000
Stddev	.00848	.00459	.00037	.00166	.00258	.0008	.00424	.20725
%RSD	15.233	3.8442	22.579	156.72	38.200	39.36	.87869	6.9820

#1	-.04906	.12465	-.00133	.00057	-.00731	.0016	.48477	-3.1115
#2	-.05276	.11777	-.00149	-.00275	-.00903	.0017	.48441	-3.0629
#3	-.06526	.11595	-.00203	-.00100	-.00395	.0031	.47726	-2.7307

Sample Name: K1832-01 Acquired: 3/14/2019 16:58:48 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg 5.7811
Stddev 2.3869
%RSD 41.289

#1 3.0258
#2 7.0969
#3 7.2204

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3342.6	59185.	5679.0	35.544	4052.5
Stddev	9.3	177.	86.2	.675	6.6
%RSD	.27705	.29952	1.5182	1.9000	.16211

#1	3341.7	59346.	5605.3	34.771	4049.9
#2	3333.8	59213.	5657.7	36.019	4047.7
#3	3352.2	58995.	5773.8	35.841	4060.0

Sample Name: K1832-03 Acquired: 3/14/2019 17:02:59 Type: Unk
Method: P4-ICP2(v2945) 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	.00033	-.00397	-.00163	-.00428	-.00822	.05265	-.01304	-.00002
Stddev	.00171	.00059	.00086	.00194	.00103	.00234	.00170	.00004
%RSD	509.83	14.812	52.491	45.336	12.569	4.4534	13.005	269.36

#1	-.00074	-.00340	-.00250	-.00553	-.00726	.05078	-.01158	-.00006
#2	-.00056	-.00457	-.00079	-.00204	-.00931	.05528	-.01263	.00003
#3	.00230	-.00393	-.00160	-.00525	-.00808	.05189	-.01490	-.00002

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00619	-.00060	-.00008	.00056	-.00410	.00002	-.01075
Stddev	.00005	.00506	.00017	.00007	.00038	.00073	.00003	.02093
%RSD	112.31	81.842	28.816	86.780	67.047	17.732	181.97	194.75

#1	.00009	.00399	-.00041	-.00014	.00094	-.00472	-.00001	.00356
#2	.00001	.01198	-.00074	-.00009	.00055	-.00330	.00005	-.00103
#3	.00002	.00259	-.00067	-.00001	.00019	-.00428	.00000	-.03477

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	-.00039	.03840	-.00007	-.00040	-.18684	.00001	.16933
Stddev	.00012	.00012	.01165	.00063	.00004	.02273	.00013	.00873
%RSD	24.968	29.508	30.333	910.14	11.178	12.163	1482.1	5.1584

#1	.00037	-.00052	.02548	-.00038	-.00035	-.19036	-.00013	.16226
#2	.00061	-.00030	.04163	.00065	-.00041	-.20761	.00012	.17909
#3	.00045	-.00035	.04809	-.00048	-.00043	-.16257	.00003	.16665

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.04943	1.3538	1.7461	.27202	-.01160	.0015	.00011	<.00000
Stddev	.01795	.0065	.0039	.00108	.00109	.0014	.00004	.10079
%RSD	36.319	.47892	.22316	.39636	9.4252	96.90	40.335	3.2555

#1	-.03291	1.3495	1.7424	.27212	-.01179	.0007	.00006	-2.9842
#2	-.06853	1.3613	1.7502	.27305	-.01258	.0031	.00012	-3.1796
#3	-.04684	1.3507	1.7456	.27090	-.01042	.0006	.00014	-3.1248

Sample Name: K1832-03 Acquired: 3/14/2019 17:02:59 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg <.00000
 Stddev 1.5668
 %RSD 250.23

#1 .96943
 #2 -2.1625
 #3 -.68535

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3374.1	59376.	5649.7	35.508	4086.3
Stddev	9.5	37.	28.4	.857	6.6
%RSD	.28237	.06221	.50233	2.4132	.16145

#1	3363.3	59410.	5634.6	35.667	4078.9
#2	3381.5	59380.	5632.0	36.275	4091.4
#3	3377.3	59336.	5682.4	34.583	4088.7

Sample Name: CCV02 Acquired: 3/14/2019 17:07:25 Type: Unk
Method: P4-ICP2(v2945) 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	4.8513	4.9108	4.8271	4.9174	4.9376	9.8816	9.7267	.24597
Stddev	.0114	.0140	.0113	.0122	.0067	.0740	.0479	.00094
%RSD	.23499	.28401	.23378	.24806	.13491	.74921	.49245	.38372
#1	4.8545	4.8969	4.8259	4.9226	4.9424	9.8118	9.7357	.24519
#2	4.8607	4.9248	4.8389	4.9261	4.9404	9.9592	9.6749	.24570
#3	4.8386	4.9109	4.8164	4.9035	4.9300	9.8739	9.7694	.24702
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4291	24.681	.98268	2.4220	1.2150	4.8449	2.4699	24.166
Stddev	.0024	.080	.00248	.0031	.0010	.0430	.0027	.060
%RSD	.09664	.32588	.25208	.12734	.08237	.88776	.10744	.24643
#1	2.4267	24.659	.98008	2.4198	1.2148	4.8570	2.4678	24.235
#2	2.4313	24.770	.98295	2.4255	1.2160	4.7971	2.4690	24.140
#3	2.4293	24.614	.98501	2.4207	1.2141	4.8805	2.4729	24.125
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4232	1.2116	24.206	2.4472	2.4406	24.339	4.8809	4.8772
Stddev	.0016	.0012	.174	.0032	.0014	.099	.0148	.0166
%RSD	.06538	.10150	.71957	.13283	.05809	.40540	.30255	.34074
#1	2.4219	1.2103	24.254	2.4473	2.4400	24.361	4.8888	4.8640
#2	2.4249	1.2127	24.012	2.4505	2.4422	24.232	4.8901	4.8717
#3	2.4227	1.2117	24.351	2.4440	2.4395	24.425	4.8639	4.8958
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8006	4.8385	4.8422	4.8760	4.8669	4.852	4.9398	F .42955
Stddev	.0456	.0281	.0113	.0062	.0252	.014	.0232	.25973
%RSD	.94939	.58142	.23314	.12717	.51797	.2958	.46984	60.466
#1	4.7552	4.8316	4.8380	4.8716	4.8717	4.838	4.9374	.31131
#2	4.8463	4.8144	4.8550	4.8733	4.8397	4.851	4.9178	.24997
#3	4.8004	4.8694	4.8336	4.8831	4.8894	4.867	4.9641	.72736

Sample Name: CCV02 Acquired: 3/14/2019 17:07:25 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 3.5065
Stddev 1.4500
%RSD 41.351

#1 5.0680
#2 2.2026
#3 3.2488

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3246.4	56815.	5651.2	33.338	3698.8
Stddev	3.3	63.	39.9	.729	7.1
%RSD	.10052	.11009	.70627	2.1872	.19151

#1	3247.8	56854.	5635.8	33.212	3706.7
#2	3242.7	56848.	5696.6	32.680	3693.1
#3	3248.8	56743.	5621.4	34.122	3696.6

Sample Name: CCB02 Acquired: 3/14/2019 17:11:25 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00201	.00062	-.00211	-.00114	-.00306	-.00085	-.01127
Stddev	.00043	.00109	.00050	.00236	.00224	.00617	.00199
%RSD	21.595	174.94	23.636	207.34	73.265	725.58	17.675

#1	.00250	.00005	-.00265	-.00111	-.00200	-.00252	-.00897
#2	.00186	-.00006	-.00199	.00121	-.00155	-.00601	-.01250
#3	.00167	.00188	-.00168	-.00352	-.00563	.00598	-.01234

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00001	.00699	-.00035	-.00006	.00009	-.00183
Stddev	.00002	.00004	.00034	.00041	.00026	.00017	.00074
%RSD	342.03	341.85	4.8385	118.97	441.29	184.47	40.228

#1	.00001	-.00002	.00662	-.00032	-.00024	.00029	-.00101
#2	-.00003	-.00001	.00729	.00005	.00024	.00001	-.00205
#3	.00000	.00006	.00706	-.00077	-.00018	-.00002	-.00244

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.01387	.00049	.00004	-.12662	.00030	-.00105
Stddev	.00003	.02480	.00011	.00041	.01068	.00055	.00003
%RSD	218.04	178.87	21.863	1118.0	8.4318	186.00	3.3207

#1	.00004	-.04194	.00037	.00028	-.12909	.00006	-.00101
#2	-.00001	.00508	.00054	.00027	-.13584	-.00009	-.00107
#3	.00000	-.00475	.00057	-.00043	-.11492	.00093	-.00107

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.25847	.00014	.00066	F -.05222	.00202	-.00146	.00043
Stddev	.00965	.00029	.00622	.01328	.00094	.00095	.00060
%RSD	3.7334	206.15	947.38	25.437	46.307	64.798	140.92

#1	-.26095	.00047	-.00542	-.06349	.00203	-.00104	-.00010
#2	-.24782	-.00005	.00037	-.05559	.00296	-.00254	.00030
#3	-.26663	.00000	.00702	-.03757	.00108	-.00079	.00109

Sample Name: CCB02 Acquired: 3/14/2019 17:11:25 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01289	.0009	.00005	F<.00000	F 1.1314
Stddev	.00137	.0015	.00011	.27926	2.5299
%RSD	10.659	164.5	210.33	9.5616	223.60
#1	-.01433	.0026	-.00005	-3.2063	-1.2637
#2	-.01275	.0004	.00004	-2.6482	3.7774
#3	-.01159	-.0003	.00016	-2.9075	.88061
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3361.8	59080.	5648.1	35.428	4101.4
Stddev	1.0	43.	8.4	.967	5.9
%RSD	.03004	.07345	.14948	2.7302	.14485
#1	3360.6	59068.	5647.0	34.942	4108.0
#2	3362.4	59128.	5640.2	36.542	4099.4
#3	3362.3	59044.	5657.0	34.800	4096.7

Sample Name: K1832-05 Acquired: 3/14/2019 17:15:52 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.00087	-.00221	-.00213	-.00569	.02714	-.00909
Stddev	.00206	.00094	.00082	.00321	.00017	.01457	.00433
%RSD	273.74	107.91	37.278	150.47	2.9620	53.675	47.628

#1	-.00153	.00011	-.00305	-.00580	-.00567	.03444	-.00942
#2	.00131	.00059	-.00218	-.00073	-.00587	.01036	-.00461
#3	.00248	.00193	-.00140	.00013	-.00554	.03661	-.01325

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.00015	53.604	-.00114	-.00004	.00033	-.00312
Stddev	.00007	.00010	1.004	.00025	.00011	.00072	.00068
%RSD	148.48	70.772	1.8727	22.319	282.80	215.38	21.798

#1	.00013	-.00022	54.741	-.00142	-.00016	-.00045	-.00391
#2	.00003	-.00019	53.234	-.00108	-.00003	.00048	-.00275
#3	-.00001	-.00003	52.838	-.00092	.00006	.00097	-.00271

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	11.100	-.00008	-.00022	57.349	.00027	-.00131
Stddev	.00006	.094	.00053	.00045	.833	.00037	.00011
%RSD	719.10	.84585	667.48	202.59	1.4523	134.50	8.7637

#1	-.00005	11.199	-.00001	-.00073	58.302	-.00013	-.00131
#2	.00008	11.087	.00042	.00013	56.989	.00059	-.00120
#3	.00000	11.013	-.00065	-.00006	56.757	.00036	-.00143

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.113	-.00002	-.00649	-.07377	-.00317	-.00317	-.00116
Stddev	.524	.00020	.00557	.01545	.00246	.00010	.00036
%RSD	1.8652	837.27	85.819	20.944	77.766	3.2398	31.183

#1	28.710	-.00022	-.00152	-.06083	-.00059	-.00312	-.00076
#2	27.900	-.00003	-.00543	-.09088	-.00550	-.00329	-.00147
#3	27.728	.00018	-.01250	-.06960	-.00341	-.00311	-.00126

Sample Name: K1832-05 Acquired: 3/14/2019 17:15:52 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.02037	-.0020	.00563	<.00000	F<.00000
Stddev	.00154	.0003	.00005	.30923	1.0582
%RSD	7.5411	13.78	.88809	14.007	7.2984

#1	-.01865	-.0017	.00569	-2.1443	-15.231
#2	-.02087	-.0020	.00559	-1.9351	-14.982
#3	-.02160	-.0023	.00561	-2.5437	-13.286

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3345.3	58362.	5844.6	36.812	3914.7
Stddev	15.5	140.	48.8	.407	13.7
%RSD	.46407	.23928	.83458	1.1054	.34880

#1	3352.6	58509.	5798.8	36.746	3924.3
#2	3355.9	58230.	5839.0	37.247	3920.7
#3	3327.5	58348.	5895.9	36.442	3899.0

Sample Name: K1832-07 Acquired: 3/14/2019 17:20:20 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00851	.00036	.05673	-.00289	-.00526	.02033	-.01276
Stddev	.00174	.00179	.00045	.00314	.00190	.01313	.00264
%RSD	20.399	502.04	.80104	108.92	36.129	64.582	20.701

#1	-.00736	-.00001	.05723	-.00140	-.00741	.03346	-.00982
#2	-.00767	.00230	.05661	-.00650	-.00381	.00720	-.01493
#3	-.01051	-.00122	.05635	-.00076	-.00456	.02035	-.01352

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.00021	.01807	-.00004	-.00026	-.00117	-.11637
Stddev	.00006	.00007	.00586	.00098	.00006	.00014	.00039
%RSD	57.183	34.121	32.417	2228.4	22.601	12.051	.33408

#1	.00014	.00023	.01828	.00078	-.00030	-.00101	-.11655
#2	.00016	.00027	.02383	.00021	-.00019	-.00122	-.11592
#3	.00004	.00013	.01211	-.00112	-.00027	-.00127	-.11663

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.03144	-.00203	.00027	170.31	.00059	-.00137
Stddev	.00013	.00927	.00014	.00020	.68	.00065	.00004
%RSD	63.343	29.503	6.9477	72.848	.39844	111.63	2.9759

#1	.00019	.03466	-.00187	.00038	170.53	.00020	-.00141
#2	.00034	.03867	-.00210	.00004	170.85	.00022	-.00133
#3	.00008	.02098	-.00212	.00039	169.55	.00134	-.00137

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.30476	.00021	-.00359	-.09342	F 96.139	-.00231	.01117
Stddev	.01789	.00012	.00361	.01251	.419	.00025	.00252
%RSD	5.8688	57.026	100.71	13.388	.43622	10.726	22.606

#1	-.32072	.00007	-.00135	-.07901	96.021	-.00220	.00961
#2	-.28543	.00026	-.00166	-.10148	96.604	-.00213	.00981
#3	-.30812	.00030	-.00775	-.09977	95.791	-.00259	.01408

Sample Name: K1832-07 Acquired: 3/14/2019 17:20:20 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.02548	-.0010	.00017	<.00000	F<.00000
Stddev	.00105	.0009	.00007	.12857	.53190
%RSD	4.1036	84.97	40.437	15.374	12.142

#1	-.02449	-.0018	.00012	-.91259	-4.9814
#2	-.02657	-.0011	.00014	-.90836	-4.1908
#3	-.02537	-.0001	.00024	-.68782	-3.9697

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3355.9	57668.	5821.5	36.561	3874.3
Stddev	4.8	109.	29.9	1.322	5.9
%RSD	.14279	.18848	.51432	3.6170	.15159

#1	3361.4	57757.	5837.2	37.914	3868.5
#2	3353.1	57547.	5787.0	36.497	3874.3
#3	3353.1	57701.	5840.3	35.272	3880.2

Sample Name: K1831-07DLX10 Acquired: 3/14/2019 17:24:48 Type: Unk
Method: P4-ICP2(v2945) 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	.00098	.00026	.00401	-.00255	-.00239	.00871	-.00559	.00006
Stddev	.00262	.00109	.00086	.00111	.00150	.00316	.00321	.00005
%RSD	267.72	414.27	21.468	43.333	62.636	36.296	57.364	94.054
#1	.00086	.00053	.00500	-.00155	-.00233	.00519	-.00192	.00002
#2	.00365	.00120	.00344	-.00374	-.00092	.00964	-.00702	.00003
#3	-.00158	-.00094	.00358	-.00237	-.00391	.01131	-.00783	.00012
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.00235	-.00016	.00011	.00022	-.01297	-.00002	.00776
Stddev	.00011	.01273	.00015	.00024	.00037	.00052	.00004	.01348
%RSD	230.56	542.04	94.272	219.71	169.07	4.0297	202.00	173.76
#1	.00002	.01512	-.00027	.00026	.00061	-.01248	.00002	.00436
#2	-.00018	-.01034	.00001	.00024	-.00012	-.01292	-.00005	-.00370
#3	.00001	.00227	-.00024	-.00017	.00016	-.01352	-.00003	.02262
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00003	17.047	-.00009	-.00087	-.08915	.00007	-.00527
Stddev	.00025	.00012	.103	.00004	.00005	.04078	.00014	.00468
%RSD	111.34	371.95	.60428	40.831	6.1088	45.736	189.11	88.813
#1	.00013	.00003	17.123	-.00009	-.00084	-.10749	.00023	.00005
#2	.00003	.00016	17.089	-.00012	-.00084	-.11754	-.00004	-.00875
#3	.00050	-.00009	16.930	-.00005	-.00094	-.04243	.00004	-.00710
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.03889	F 10.015	-.00216	.00067	-.00600	.0014	.00001	<.00000
Stddev	.00980	.102	.00020	.00031	.00198	.0001	.00002	.23576
%RSD	25.204	1.0142	9.2188	45.708	33.001	8.093	177.71	12.687
#1	-.04512	10.129	-.00217	.00096	-.00779	.0015	-.00001	-1.9414
#2	-.04396	9.9812	-.00195	.00069	-.00387	.0014	.00003	-2.0412
#3	-.02759	9.9341	-.00235	.00035	-.00634	.0013	.00002	-1.5922

Sample Name: K1831-07DLX10 Acquired: 3/14/2019 17:24:48 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	1.9204
Stddev	1.0478
%RSD	54.561

#1	.73239
#2	2.7127
#3	2.3161

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3320.6	58127.	5680.5	36.381	4020.4
Stddev	4.0	56.	63.5	1.462	3.8
%RSD	.12109	.09673	1.1173	4.0176	.09534

#1	3316.8	58145.	5610.3	37.248	4018.0
#2	3320.3	58172.	5697.6	37.200	4024.8
#3	3324.8	58064.	5733.7	34.693	4018.3

Sample Name: K1832-07DLX10 Acquired: 3/14/2019 17:29:15 Type: Unk
Method: P4-ICP2(v2945) 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	.00043	.00149	.00401	-.00122	-.00275	-.00167	-.01253	.00001
Stddev	.00140	.00226	.00037	.00184	.00073	.01671	.00128	.00001
%RSD	328.27	152.14	9.2952	151.04	26.728	1002.0	10.224	73.076
#1	.00203	.00408	.00383	.00007	-.00258	-.01841	-.01120	.00001
#2	-.00017	.00043	.00377	-.00332	-.00355	.01502	-.01262	.00003
#3	-.00058	-.00005	.00444	-.00040	-.00211	-.00161	-.01376	.00001
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.01099	-.00030	-.00018	-.00035	-.01365	-.00002	.01037
Stddev	.00006	.00963	.00016	.00027	.00021	.00122	.00003	.04408
%RSD	101.94	87.595	52.730	146.50	58.331	8.9162	172.29	425.04
#1	-.00003	.02202	-.00048	-.00041	-.00018	-.01503	-.00004	.03380
#2	-.00002	.00427	-.00028	.00011	-.00030	-.01273	.00002	-.04048
#3	-.00013	.00668	-.00016	-.00025	-.00058	-.01320	-.00003	.03779
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	-.00010	17.231	.00005	-.00108	-.22256	-.00006	-.00047
Stddev	.00024	.00024	.098	.00023	.00007	.05132	.00007	.00873
%RSD	277.70	238.83	.56997	456.34	6.6462	23.058	128.85	1855.2
#1	-.00037	-.00022	17.310	.00031	-.00100	-.16885	-.00007	.00196
#2	.00004	.00017	17.121	-.00013	-.00111	-.27109	-.00012	-.01016
#3	.00006	-.00026	17.261	-.00003	-.00113	-.22774	.00002	.00679
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.04337	F 10.032	-.00244	-.00012	-.01274	.0014	.00006	<.00000
Stddev	.01415	.049	.00041	.00126	.00233	.0008	.00007	.11054
%RSD	32.633	.49067	16.814	1005.7	18.262	58.81	118.86	7.4376
#1	-.03537	10.029	-.00226	.00057	-.01323	.0009	.00003	-1.3607
#2	-.05972	9.9837	-.00290	.00063	-.01478	.0024	.00014	-1.5290
#3	-.03504	10.082	-.00215	-.00158	-.01020	.0010	.00001	-1.5689

Sample Name: K1832-07DLX10 Acquired: 3/14/2019 17:29:15 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	.87276
Stddev	.77973
%RSD	89.341

#1	.09304
#2	.87275
#3	1.6525

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3323.7	57940.	5662.8	36.329	4032.4
Stddev	4.5	119.	18.6	.792	2.8
%RSD	.13407	.20585	.32928	2.1796	.07007

#1	3326.9	57813.	5650.7	35.568	4029.2
#2	3318.6	57959.	5684.2	37.149	4034.6
#3	3325.7	58049.	5653.3	36.270	4033.3

Sample Name: K1831-07DL2X20 Acquired: 3/14/2019 17:35:49 Type: Unk
Method: P4-ICP2(v2945) 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	-.00018	.00057	.00031	-.00000	-.00409	.00377	-.01013	.00001
Stddev	.00098	.00132	.00104	.00171	.00026	.00693	.00317	.00003
%RSD	545.69	232.83	335.02	339350.	6.4137	184.13	31.330	283.62

#1	.00057	.00209	.00093	-.00032	-.00432	-.00156	-.01044	-.00000
#2	.00019	-.00024	.00090	-.00153	-.00380	.01161	-.01314	-.00001
#3	-.00130	-.00015	-.00089	.00185	-.00414	.00126	-.00681	.00004

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.01095	-.00008	.00004	.00002	-.00752	-.00000	-.00163
Stddev	.00008	.00228	.00032	.00019	.00032	.00017	.00003	.02114
%RSD	214.63	20.788	394.67	517.81	2082.8	2.2295	733.78	1295.3

#1	.00008	.01338	.00028	-.00007	-.00031	-.00746	-.00003	-.02176
#2	.00009	.00887	-.00033	-.00008	.00032	-.00739	-.00000	.02039
#3	-.00006	.01061	-.00019	.00025	.00003	-.00771	.00003	-.00352

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00006	8.6317	.00023	-.00107	-.25409	.00010	-.00174
Stddev	.00038	.00030	.0086	.00031	.00013	.02372	.00015	.00506
%RSD	274.62	488.44	.09935	135.03	12.401	9.3358	150.10	290.41

#1	.00001	.00041	8.6400	.00000	-.00098	-.27945	.00004	.00405
#2	-.00016	-.00013	8.6322	.00058	-.00101	-.23244	.00027	-.00399
#3	.00056	-.00010	8.6229	.00010	-.00122	-.25038	-.00001	-.00529

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.04718	5.1416	-.00239	-.00040	-.01143	.0034	.00003	<.00000
Stddev	.01665	.0206	.00041	.00230	.00240	.0003	.00003	.90726
%RSD	35.292	.40081	16.997	575.97	20.995	9.821	85.206	45.396

#1	-.02820	5.1456	-.00259	-.00253	-.01370	.0033	.00007	-1.2731
#2	-.05931	5.1193	-.00193	.00204	-.01168	.0032	.00003	-1.7066
#3	-.05403	5.1599	-.00267	-.00071	-.00892	.0038	.00001	-3.0158

Sample Name: K1831-07DL2X20 Acquired: 3/14/2019 17:35:49 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg .62689
Stddev 2.2616
%RSD 360.77

#1 1.9248
#2 -1.9846
#3 1.9405

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3345.5	58240.	5653.1	36.760	4083.6
Stddev	7.8	319.	15.1	.857	10.6
%RSD	.23361	.54694	.26734	2.3322	.25875

#1	3336.4	58125.	5642.3	37.750	4073.6
#2	3349.7	57994.	5646.6	36.260	4082.5
#3	3350.3	58600.	5670.3	36.270	4094.6

Sample Name: K1832-07DL2X20 Acquired: 3/14/2019 17:40:14 Type: Unk
Method: P4-ICP2(v2945) 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	-.00040	.00111	.00002	-.00253	-.00302	-.00998	-.00964	.00004
Stddev	.00128	.00198	.00154	.00275	.00046	.00606	.00330	.00001
%RSD	316.69	179.38	6231.9	108.81	15.229	60.663	34.239	20.911

#1	-.00127	.00332	-.00079	-.00388	-.00249	-.00954	-.00812	.00004
#2	.00106	.00050	.00180	-.00434	-.00331	-.01625	-.00737	.00003
#3	-.00100	-.00051	-.00093	.00064	-.00326	-.00416	-.01342	.00004

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.01468	-.00009	-.00013	.00025	-.00747	-.00002	-.00425
Stddev	.00005	.02649	.00042	.00032	.00038	.00084	.00005	.02811
%RSD	146.13	180.37	470.28	238.21	154.70	11.227	301.72	661.45

#1	.00005	.02386	.00037	.00023	-.00001	-.00697	-.00005	-.01008
#2	.00008	.03537	-.00021	-.00034	.00006	-.00700	.00004	.02632
#3	-.00002	-.01517	-.00043	-.00030	.00069	-.00843	-.00004	-.02899

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	-.00030	8.6509	.00023	-.00118	-.27790	-.00003	-.00572
Stddev	.00023	.00034	.0546	.00029	.00010	.02710	.00004	.00441
%RSD	310.39	115.20	.63130	123.75	8.7742	9.7528	122.29	77.023

#1	.00003	-.00069	8.6926	.00046	-.00130	-.24739	.00001	-.00463
#2	.00009	-.00016	8.5891	-.00009	-.00111	-.28712	-.00007	-.00196
#3	-.00034	-.00005	8.6710	.00033	-.00112	-.29919	-.00004	-.01057

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.05469	5.1641	-.00296	.00065	-.01555	.0008	.00001	<.00000
Stddev	.01179	.0140	.00079	.00288	.00142	.0009	.00005	.17015
%RSD	21.557	.27110	26.749	439.68	9.1006	112.4	478.06	9.8925

#1	-.04197	5.1787	-.00266	.00032	-.01541	.0005	.00003	-1.8348
#2	-.06524	5.1508	-.00236	.00368	-.01421	.0001	-.00004	-1.5245
#3	-.05687	5.1628	-.00386	-.00204	-.01703	.0019	.00004	-1.8006

Sample Name: K1832-07DL2X20 Acquired: 3/14/2019 17:40:14 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg 2.5730
Stddev .4640
%RSD 18.035

#1 2.1691
#2 2.4700
#3 3.0799

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3347.3	58335.	5638.0	34.828	4065.4
Stddev	5.8	160.	31.3	1.512	8.0
%RSD	.17386	.27488	.55577	4.3412	.19568

#1	3353.9	58239.	5601.9	36.360	4074.1
#2	3342.8	58245.	5658.3	33.337	4063.6
#3	3345.1	58520.	5653.8	34.787	4058.5

Sample Name: LR CHECK 1 Acquired: 3/14/2019 17:48:40 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.17553	-.14036	-.06569	-.16597	-.13429	1822.3	-.03159
Stddev	.00824	.00063	.00449	.00797	.00823	15.7	.00179
%RSD	4.6964	.44624	6.8314	4.8020	6.1264	.86162	5.6678

#1	-.17262	-.14000	-.06083	-.17382	-.13429	1826.2	-.03356
#2	-.18484	-.14000	-.06655	-.16621	-.14252	1835.7	-.03007
#3	-.16914	-.14108	-.06968	-.15789	-.12606	1805.1	-.03113

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05196	.18683	F 1963.8	-.09950	.10020	1.0738	815.43
Stddev	.00064	.00011	22.4	.00047	.00139	.0022	4.14
%RSD	1.2284	.06095	1.1394	.47569	1.3873	.20777	.50802

#1	.05123	.18695	1989.1	-.09899	.09906	1.0757	820.21
#2	.05229	.18682	1946.6	-.09993	.09978	1.0745	812.88
#3	.05237	.18673	1955.6	-.09957	.10175	1.0714	813.20

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04625	1648.5	.29750	-.19133	1624.6	.02843	.21813
Stddev	.00036	11.3	.00228	.00422	19.6	.00141	.00160
%RSD	.77872	.68657	.76652	2.2038	1.2039	4.9638	.73126

#1	.04646	1656.2	.29783	-.19576	1642.7	.02991	.21630
#2	.04646	1635.5	.29507	-.19086	1603.9	.02826	.21919
#3	.04583	1653.8	.29960	-.18737	1627.2	.02711	.21891

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	958.77	-.01698	F -2.0127	-.47277	-.01443	.11118	-.04911
Stddev	7.18	.00040	.0331	.07750	.00496	.00401	.00169
%RSD	.74879	2.3685	1.6444	16.394	34.340	3.6037	3.4402

#1	966.94	-.01738	-2.0475	-.48522	-.01194	.10860	-.04717
#2	953.44	-.01698	-2.0090	-.54329	-.02014	.11579	-.04996
#3	955.94	-.01658	-1.9817	-.38979	-.01122	.10914	-.05021

Sample Name: LR CHECK 1 Acquired: 3/14/2019 17:48:40 Type: Unk
 Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19508	.0828	-.88525	<.00000	F 14172.
Stddev	.00253	.0027	.00458	.44161	27.
%RSD	1.2958	3.278	.51756	1.8297	.19101
#1	.19564	.0831	-.89054	-24.606	14144.
#2	.19231	.0853	-.88241	-23.729	14176.
#3	.19727	.0799	-.88280	-24.073	14198.
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2290.7	39498.	4902.5	28.650	2050.9
Stddev	6.9	89.	44.4	2.134	1.8
%RSD	.29964	.22447	.90516	7.4473	.08811
#1	2284.1	39398.	4857.7	26.620	2049.1
#2	2290.0	39528.	4946.5	30.874	2051.1
#3	2297.8	39568.	4903.4	28.455	2052.7

Sample Name: LR CHECK 2 Acquired: 3/14/2019 17:53:42 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	-.01737	F 265.89	.03350	-.08451	-.30891	95.477
Stddev	.00082	.00346	1.03	.00293	.00194	.00394	.881
%RSD	337.44	19.943	.38810	8.7480	2.2998	1.2753	.92289

#1	.00026	-.02100	266.33	.03529	-.08378	-.30500	95.794
#2	.00020	-.01410	266.62	.03510	-.08304	-.30884	94.481
#3	-.00119	-.01702	264.71	.03012	-.08672	-.31288	96.156

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	-.01484	.27831	-.14002	-.01540	F 264.99	-.79149
Stddev	.00004	.00018	.00993	.00048	.00014	2.15	.00463
%RSD	28.807	1.2263	3.5677	.34034	.93295	.81108	.58514

#1	.00016	-.01495	.28885	-.14040	-.01556	267.43	-.79317
#2	.00012	-.01494	.26913	-.14019	-.01528	263.37	-.79505
#3	.00009	-.01463	.27695	-.13949	-.01536	264.19	-.78625

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.418	-.07767	F 50.602	-.00129	1.7208	-.16928	F 35.604
Stddev	.203	.03660	.184	.00018	.0821	.00076	.184
%RSD	.47844	47.120	.36341	14.139	4.7689	.44733	.51803

#1	42.338	-.04867	50.497	-.00119	1.7683	-.16847	35.475
#2	42.648	-.06554	50.815	-.00150	1.7680	-.16997	35.815
#3	42.266	-.11879	50.495	-.00118	1.6260	-.16942	35.521

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.5188	-.00231	-.00413	-.08287	.01436	.00127	.00192
Stddev	.9787	.00024	.00462	.00503	.00100	.00066	.00184
%RSD	21.657	10.338	111.78	6.0732	6.9471	52.183	95.629

#1	5.4952	-.00247	-.00946	-.08189	.01379	.00203	-.00015
#2	4.5232	-.00204	-.00151	-.07840	.01552	.00082	.00257
#3	3.5379	-.00244	-.00142	-.08832	.01378	.00095	.00334

Sample Name: LR CHECK 2 Acquired: 3/14/2019 17:53:42 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.0022	.00303	1.4380	F<.00000
Stddev	.00315	.0093	.00005	.2027	3.4575
%RSD	774.16	424.6	1.6726	14.097	4.7706
#1	-.00321	-.0058	.00299	1.3058	-69.507
#2	.00189	.0123	.00309	1.6714	-76.272
#3	.00254	.0001	.00302	1.3367	-71.647
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2954.4	57989.	5752.9	32.003	3691.0
Stddev	23.5	433.	43.5	1.486	21.8
%RSD	.79401	.74706	.75631	4.6450	.59030
#1	2976.4	58170.	5756.6	32.667	3709.3
#2	2929.7	57495.	5794.4	33.042	3666.9
#3	2957.0	58303.	5707.6	30.300	3696.9

Sample Name: CCV03 Acquired: 3/14/2019 18:48:24 Type: Unk
Method: P4-ICP2(v2945) 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	4.8117	4.9277	4.8581	4.8951	4.8949	9.8816	9.5095	.24721
Stddev	.0068	.0155	.0071	.0091	.0109	.1114	.0620	.00162
%RSD	.14132	.31479	.14586	.18639	.22335	1.1273	.65167	.65486
#1	4.8158	4.9329	4.8502	4.8920	4.8836	9.7530	9.5567	.24760
#2	4.8039	4.9103	4.8639	4.9054	4.9054	9.9435	9.4393	.24543
#3	4.8155	4.9400	4.8603	4.8880	4.8959	9.9482	9.5324	.24859
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4274	24.768	1.0115	2.4374	1.2076	4.8963	2.4767	24.589
Stddev	.0014	.127	.0050	.0025	.0020	.0593	.0061	.153
%RSD	.05830	.51416	.49273	.10396	.16682	1.2116	.24602	.62171
#1	2.4280	24.621	1.0137	2.4355	1.2066	4.9574	2.4809	24.496
#2	2.4258	24.835	1.0058	2.4363	1.2099	4.8389	2.4697	24.506
#3	2.4284	24.847	1.0151	2.4403	1.2063	4.8925	2.4795	24.765
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4167	1.2460	22.686	2.4457	2.4552	23.690	4.8619	4.8225
Stddev	.0009	.0069	.173	.0072	.0024	.143	.0043	.0080
%RSD	.03654	.55265	.76401	.29251	.09671	.60360	.08928	.16502
#1	2.4177	1.2452	22.828	2.4458	2.4528	23.728	4.8618	4.8225
#2	2.4162	1.2395	22.493	2.4385	2.4552	23.532	4.8664	4.8146
#3	2.4162	1.2532	22.737	2.4528	2.4575	23.810	4.8577	4.8305
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8308	4.7751	4.8747	4.8710	4.7005	4.862	4.8929	F 2.7023
Stddev	.0236	.0353	.0044	.0092	.0388	.020	.0317	.3569
%RSD	.48891	.74015	.08937	.18894	.82544	.4181	.64740	13.209
#1	4.8374	4.8049	4.8701	4.8607	4.7330	4.877	4.9196	2.8402
#2	4.8045	4.7360	4.8788	4.8739	4.6575	4.839	4.8579	2.2969
#3	4.8503	4.7843	4.8753	4.8784	4.7109	4.870	4.9012	2.9696

Sample Name: CCV03 Acquired: 3/14/2019 18:48:24 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 1.0524
Stddev 1.5859
%RSD 150.70

#1 1.2193
#2 2.5483
#3 -.61043

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3302.1	56297.	5709.2	33.606	3746.2
Stddev	8.2	258.	46.2	1.268	2.2
%RSD	.24838	.45879	.80839	3.7721	.05996

#1	3309.2	56205.	5663.7	32.422	3748.8
#2	3293.1	56588.	5755.9	33.453	3744.4
#3	3304.0	56096.	5708.0	34.944	3745.5

Sample Name: CCB03 Acquired: 3/14/2019 18:52:23 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00083	.00017	.00557	-.00130	-.00298	.00198	-.00505
Stddev	.00213	.00100	.00100	.00124	.00044	.00542	.00347
%RSD	257.90	575.29	17.903	95.553	14.715	273.69	68.589

#1	-.00136	.00132	.00511	-.00225	-.00302	-.00160	-.00793
#2	.00290	-.00055	.00671	.00011	-.00340	-.00067	-.00121
#3	.00094	-.00025	.00488	-.00175	-.00253	.00822	-.00603

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	-.00002	-.00181	-.00013	-.00001	.00050	.00048
Stddev	.00000	.00018	.00485	.00070	.00016	.00035	.00105
%RSD	25.751	931.31	268.49	546.52	2610.6	71.103	219.90

#1	-.00002	.00019	-.00113	.00049	.00003	.00022	-.00058
#2	-.00001	-.00011	.00267	-.00088	-.00018	.00038	.00050
#3	-.00002	-.00014	-.00696	.00001	.00013	.00089	.00151

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	-.00321	.00023	-.00002	.41150	-.00019	-.00050
Stddev	.00008	.02107	.00055	.00028	.00544	.00018	.00013
%RSD	127.17	656.37	242.94	1542.7	1.3212	95.923	26.621

#1	.00003	.01913	.00071	.00009	.40703	-.00022	-.00042
#2	.00001	-.02273	.00034	-.00034	.40993	-.00036	-.00042
#3	.00016	-.00604	-.00037	.00020	.41755	.00000	-.00065

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51860	.00027	.00493	F -.04799	-.00014	-.00170	-.00006
Stddev	.00520	.00014	.00425	.00614	.00322	.00046	.00080
%RSD	1.0022	53.267	86.037	12.784	2361.3	27.156	1292.3

#1	.51959	.00014	.00984	-.04852	.00090	-.00190	-.00086
#2	.51297	.00043	.00252	-.04161	-.00375	-.00117	-.00007
#3	.52323	.00024	.00245	-.05384	.00244	-.00203	.00074

Sample Name: CCB03 Acquired: 3/14/2019 18:52:23 Type: Unk
Method: P4-ICP2(v2945) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00991	.0014	.00009	<.00000	.35302
Stddev	.00259	.0011	.00007	.49912	2.3966
%RSD	26.117	77.75	81.314	131.91	678.89
#1	-.00837	.0003	.00014	.08469	-2.4143
#2	-.00846	.0025	.00013	-.31276	1.7509
#3	-.01290	.0015	.00001	-.90705	1.7224
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3448.8	58654.	5706.9	36.911	4186.0
Stddev	47.6	288.	39.9	1.478	50.5
%RSD	1.3807	.49129	.69921	4.0036	1.2059
#1	3423.6	58355.	5661.2	35.208	4150.8
#2	3419.0	58677.	5734.5	37.858	4163.4
#3	3503.7	58929.	5725.1	37.667	4243.8