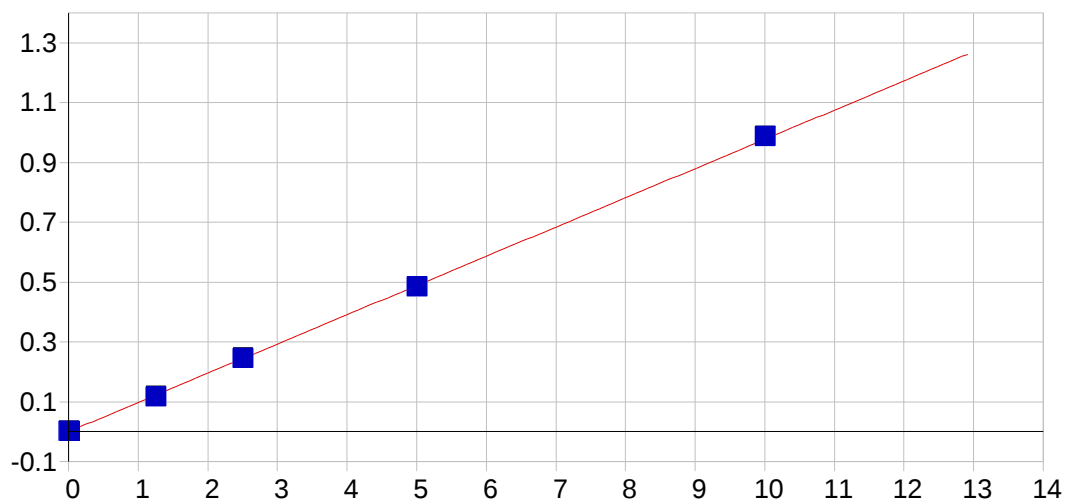


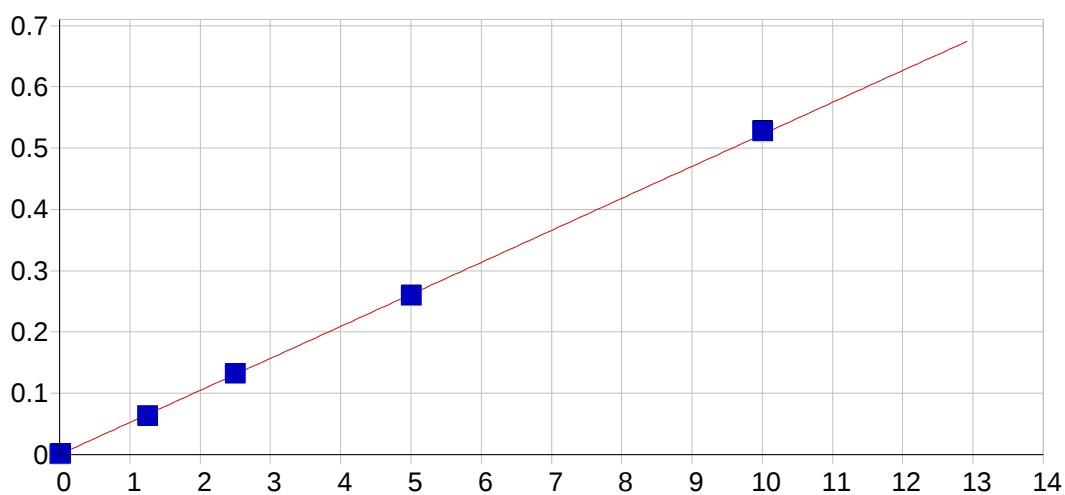


As 189.042 {478}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000175 Re-Slope: 1.000000
 A1 (Gain): 0.097736 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999906 Status: OK.
 Std Error of Est: 0.000022
 Predicted MDL: 0.002411
 Predicted MQL: 0.008037

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00017	.000	1
S1	.01000	.01069	.001	6.89	.00087	.000	1
S3	2.5000	2.5140	.014	.559	.24500	.000	1
S4	5.0000	4.9447	-.055	-1.11	.48204	.000	1
S5	10.000	10.090	.090	.902	.98388	.001	1
S2	1.2500	1.2005	-.049	-3.96	.11689	.000	1

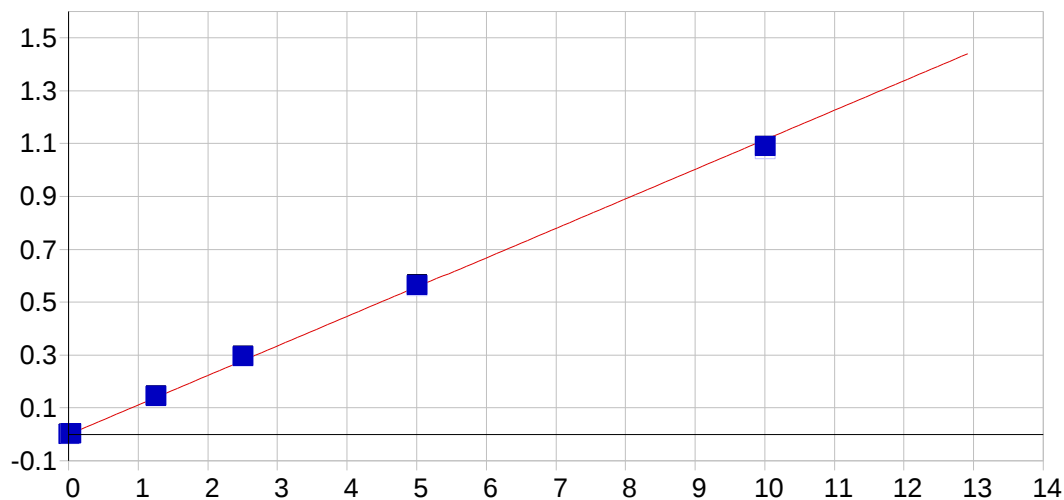


As 189.042 {479}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000237 Re-Slope: 1.000000
 A1 (Gain): 0.052201 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999912 Status: OK.
 Std Error of Est: 0.000012
 Predicted MDL: 0.002788
 Predicted MQL: 0.009294

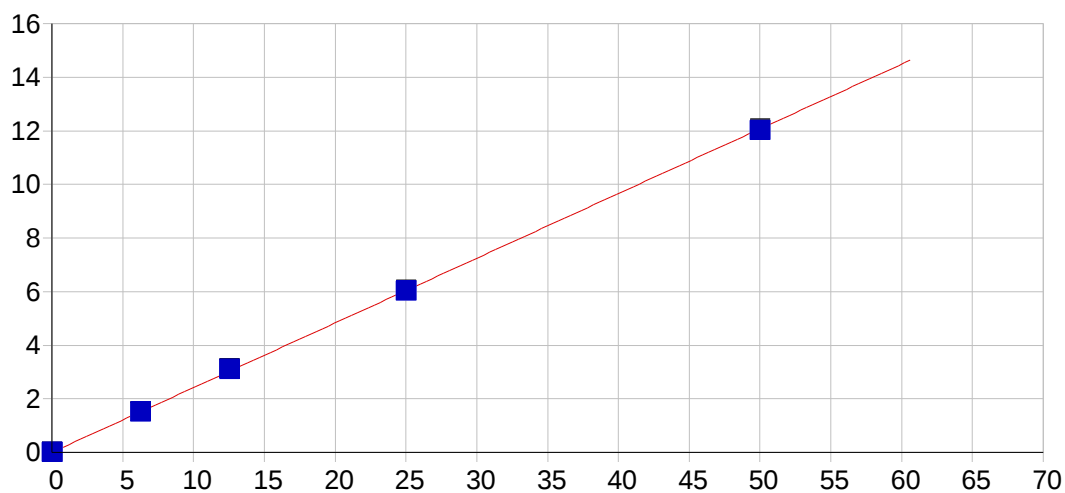
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00024	.000	1
S1	.01000	.00989	-.000	-1.11	.00075	.000	1
S3	2.5000	2.5145	.015	.580	.13121	.000	1
S4	5.0000	4.9475	-.053	-1.05	.25793	.001	1
S5	10.000	10.087	.087	.868	.52564	.002	1
S2	1.2500	1.2013	-.049	-3.90	.06280	.000	1



Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000565 Re-Slope: 1.000000
 A1 (Gain): 0.111517 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999563 Status: OK.
 Std Error of Est: 0.000087
 Predicted MDL: 0.001470
 Predicted MQL: 0.004899

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00057	.000	1
S1	.02500	.02442	-.001	-2.31	.00206	.000	1
S3	2.5000	2.6441	.144	5.76	.29156	.000	1
S4	5.0000	5.0538	.054	1.08	.55756	.003	1
S5	10.000	9.7601	-.240	-2.40	1.0769	.002	1
S2	1.2500	1.2926	.043	3.41	.14221	.000	1

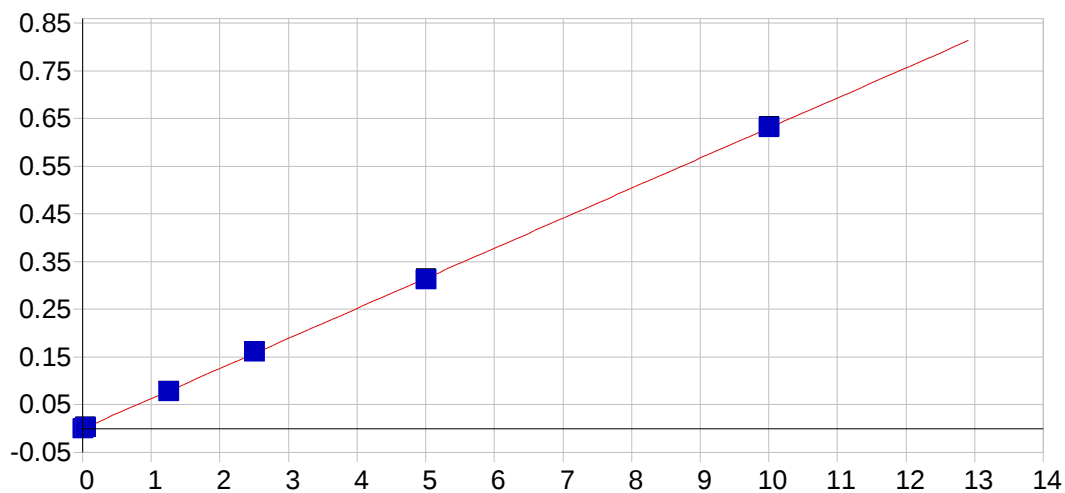


Pb 220.353 (453)

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002066 Re-Slope: 1.000000
 A1 (Gain): 0.241418 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999953 Status: OK.
 Std Error of Est: 0.000088
 Predicted MDL: 0.001036
 Predicted MQL: 0.003453

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00207	.000	1
S1	.01000	.01010	.000	1.05	.00449	.000	1
S3	12.500	12.806	.306	2.45	3.0903	.007	1
S4	25.000	24.955	-.045	-.181	6.0200	.021	1
S5	50.000	49.785	-.215	-.429	12.008	.039	1
S2	6.2500	6.2039	-.046	-.737	1.4981	.001	1



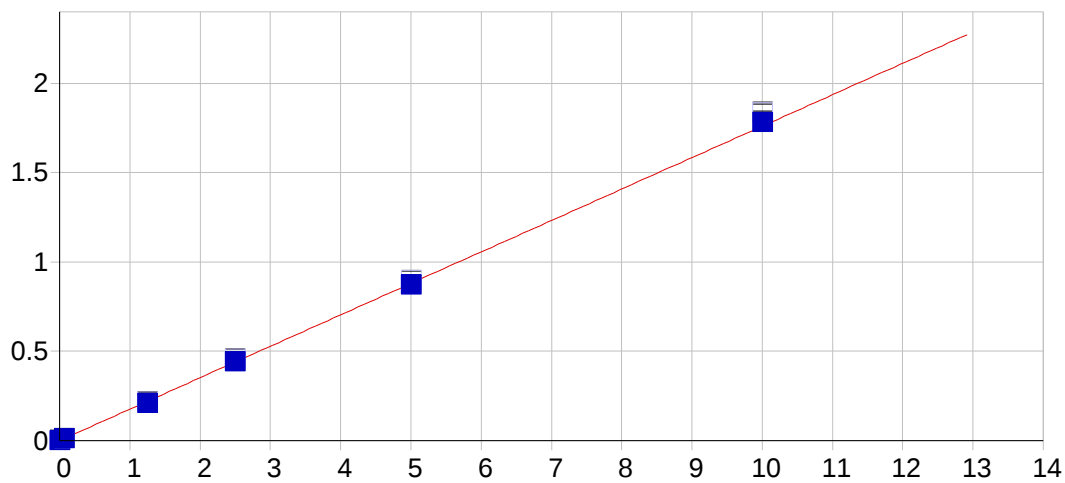
Se 196.090 (472)

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000065 Re-Slope: 1.000000

A1 (Gain): 0.063040 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999954 Status: OK.
 Std Error of Est: 0.000019
 Predicted MDL: 0.003021
 Predicted MQL: 0.010069

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00006	.000	1
S1	.03500	.03363	-.001	-3.91	.00206	.000	1
S3	2.5000	2.5454	.045	1.81	.16012	.000	1
S4	5.0000	4.9543	-.046	-.915	.31171	.001	1
S5	10.000	10.023	.023	.230	.63070	.001	1
S2	1.2500	1.2287	-.021	-1.70	.07726	.000	1

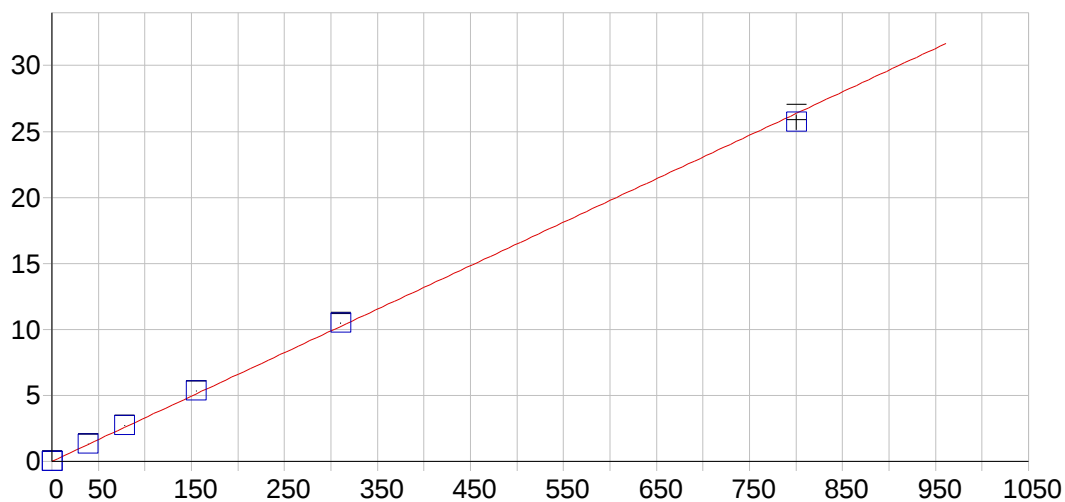


Sb 206.833 {463}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000339 Re-Slope: 1.000000
 A1 (Gain): 0.175950 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999860 Status: OK.
 Std Error of Est: 0.000124
 Predicted MDL: 0.001477
 Predicted MQL: 0.004925

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00034	.000	1
S1	.06000	.05634	-.004	-6.10	.01026	.000	1
S3	2.5000	2.5055	.005	.219	.45392	.000	1
S4	5.0000	4.9358	-.064	-1.28	.89429	.001	1
S5	10.000	10.123	.123	1.23	1.8325	.006	1
S2	1.2500	1.1890	-.061	-4.88	.21592	.000	1

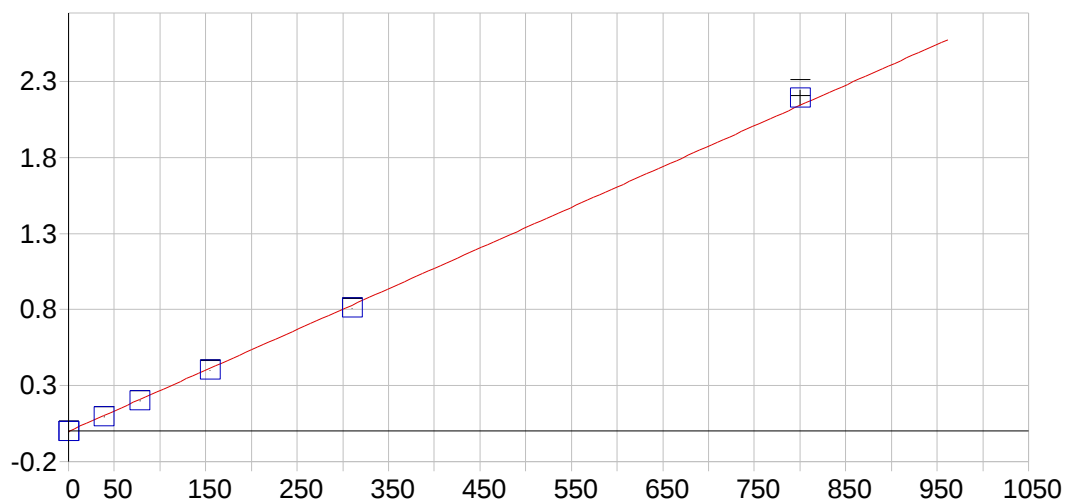


AI 308.215 {109}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002720 Re-Slope: 1.000000
 A1 (Gain): 0.032947 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999525 Status: OK.
 Std Error of Est: 0.000631
 Predicted MDL: 0.002391
 Predicted MQL: 0.007969

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00272	.000	1
S1	.20000	.19469	-.005	-2.66	.00913	.000	1
S3	77.500	82.106	4.61	5.94	2.7078	.004	1
S4	155.00	162.13	7.13	4.60	5.3443	.010	1
S5	310.00	317.96	7.96	2.57	10.478	.029	1
S6	800.00	779.93	-20.1	-2.51	25.699	.569	1
S2	38.750	39.135	.385	.994	1.2921	.002	1

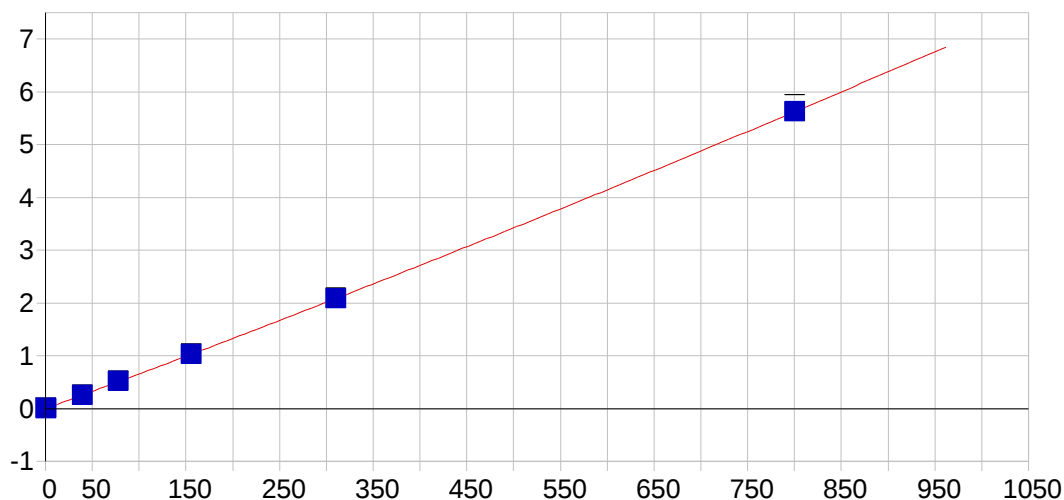


AI 309.271 {109}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000672 Re-Slope: 1.000000
 A1 (Gain): 0.002678 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999597 Status: OK.
 Std Error of Est: 0.000047
 Predicted MDL: 0.021501
 Predicted MQL: 0.071670

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00006	.000	.000	-.00067	.000	1
S1	.20000	.16684	-.033	-16.6	-.00022	.000	1
S3	77.500	74.890	-2.61	-3.37	.19989	.001	1
S4	155.00	149.96	-5.04	-3.25	.40095	.003	1
S5	310.00	302.04	-7.96	-2.57	.80822	.000	1
S6	800.00	818.57	18.6	2.32	2.1915	.053	1
S2	38.750	35.823	-2.93	-7.55	.09527	.000	1

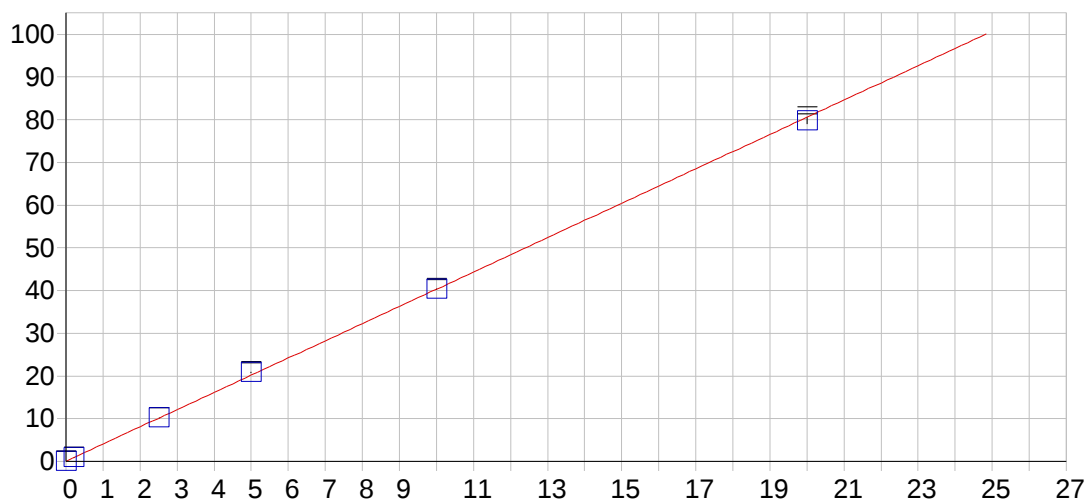


AI 396.152 { 85}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): 0.000009 Re-Slope: 1.000000
 A1 (Gain): 0.006198 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.010000
 Correlation: 0.999989 Status: Warning Positive Curvature
 Std Error of Est: 0.000026
 Predicted MDL: 0.012265
 Predicted MQL: 0.040884

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00001	.000	1
S1	.20000	.19287	-.007	-3.57	.00121	.000	1
S3	77.500	78.471	.971	1.25	.51222	.003	1
S4	155.00	155.44	.439	.283	1.0274	.007	1
S5	310.00	309.26	-.740	-.239	2.0819	.007	1
S6	800.00	800.14	.139	.017	5.6273	.130	1
S2	38.750	37.945	-.805	-2.08	.24518	.001	1

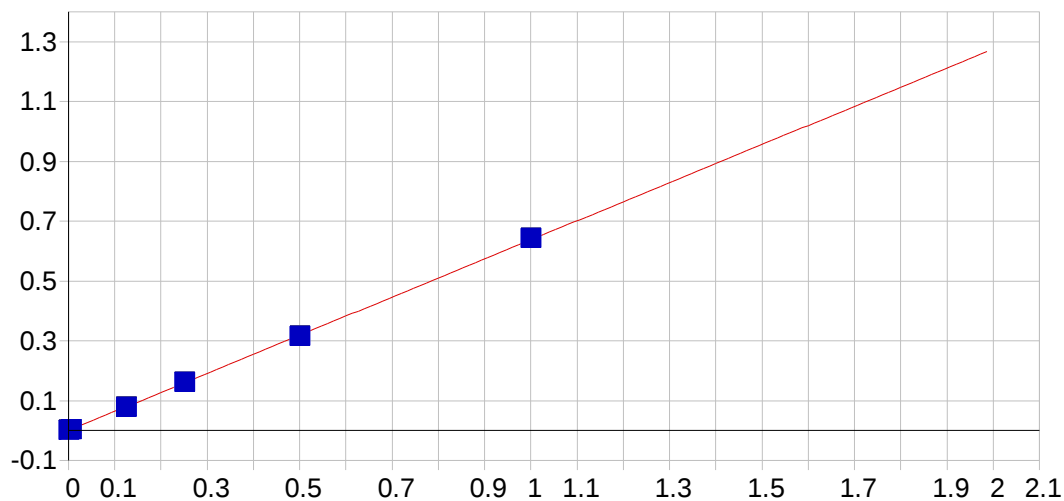


Ba 493.409 {68}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.044088 Re-Slope: 1.000000
 A1 (Gain): 4.026193 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999889 Status: OK.
 Std Error of Est: 0.006387
 Predicted MDL: 0.000614
 Predicted MQL: 0.002048

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.04406	.006	1
S1	.20000	.20113	.001	.567	.85389	.001	1
S3	5.0000	5.1781	.178	3.56	20.892	.147	1
S5	20.000	19.804	-.196	-.979	79.780	.766	1
S4	10.000	9.9985	-.002	-.015	40.300	.109	1
S2	2.5000	2.5181	.018	.722	10.182	.026	1



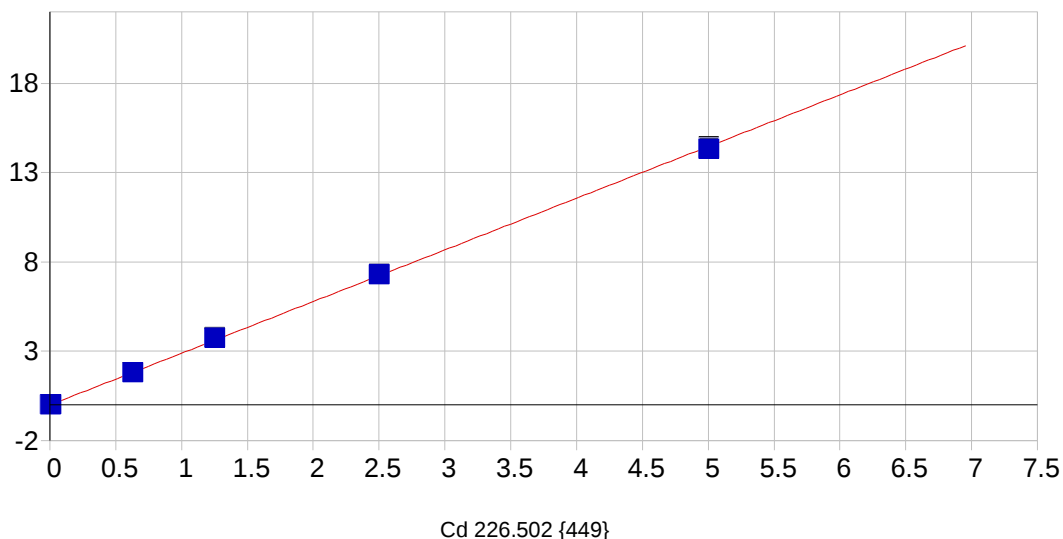
Be 234.861 {144}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000054 Re-Slope: 1.000000

A1 (Gain): 0.637565 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999934 Status: OK.
 Std Error of Est: 0.000027
 Predicted MDL: 0.000067
 Predicted MQL: 0.000223

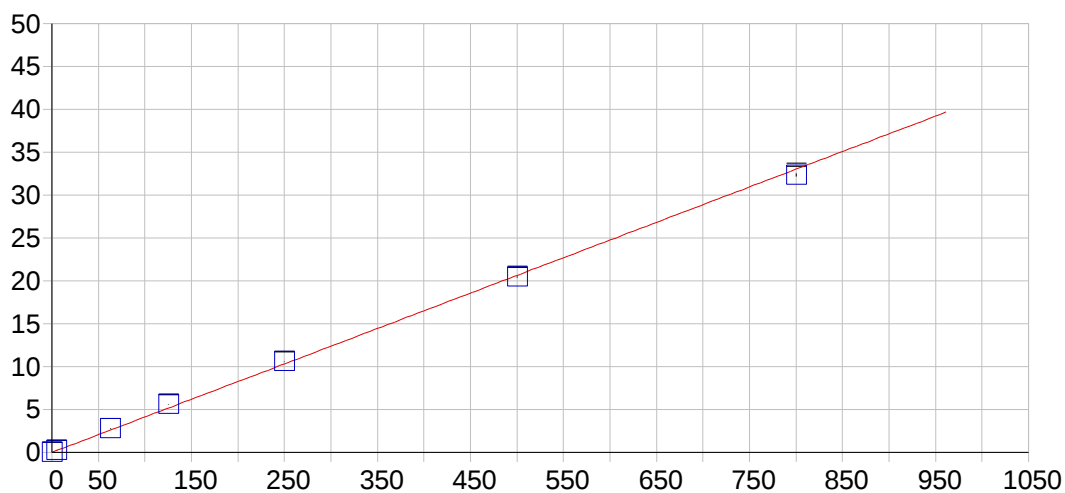
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00005	.000	1
S1	.00500	.00455	-.000	-9.08	.00295	.000	1
S3	.25000	.25183	.002	.733	.16045	.001	1
S4	.50000	.49487	-.005	-1.03	.31523	.000	1
S5	1.0000	1.0071	.007	.711	.64149	.001	1
S2	.12500	.12165	-.003	-2.68	.07753	.000	1



Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000844 Re-Slope: 1.000000
 A1 (Gain): 2.892021 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999898 Status: OK.
 Std Error of Est: 0.000349
 Predicted MDL: 0.000094
 Predicted MQL: 0.000313

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00084	.000	1
S1	.00500	.00472	-.000	-5.70	.01280	.000	1
S3	1.2500	1.2901	.040	3.21	3.7486	.010	1
S4	2.5000	2.5144	.014	.576	7.3077	.022	1
S5	5.0000	4.9474	-.053	-1.05	14.381	.052	1
S2	.62500	.62336	-.002	-.263	1.8111	.002	1

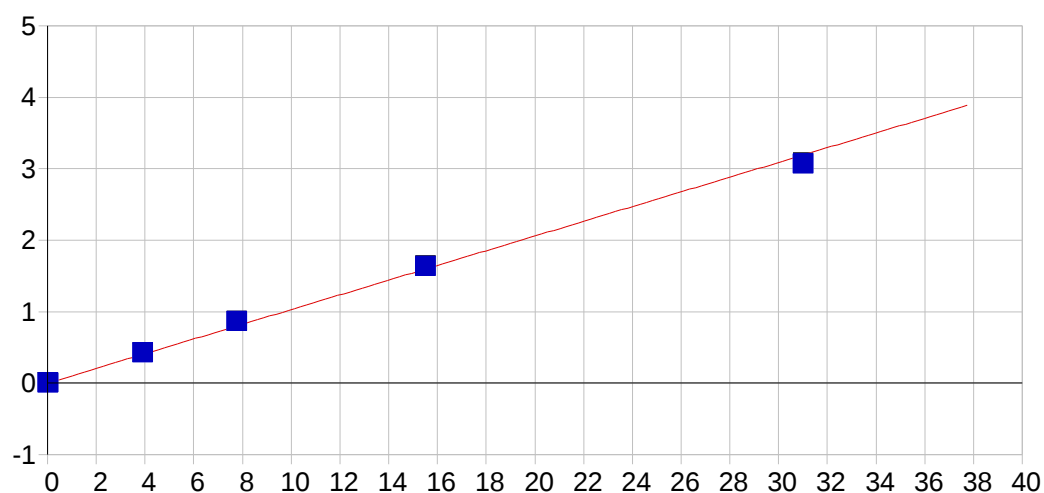


Ca 373.690 { 90}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000614 Re-Slope: 1.000000
 A1 (Gain): 0.041271 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999523 Status: OK.
 Std Error of Est: 0.004450
 Predicted MDL: 0.017786
 Predicted MQL: 0.059287

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	62.500	66.758	4.26	6.81	2.7557	.010	1
S0	.00000	-.00101	-.001	.000	.00057	.001	1
S3	125.00	135.26	10.3	8.21	5.5829	.047	1
S4	250.00	255.97	5.97	2.39	10.565	.021	1
S5	500.00	495.46	-4.54	-.907	20.449	.098	1
S6	800.00	783.76	-16.2	-2.03	32.347	.154	1
S1	5.0000	5.2881	.288	5.76	.21886	.001	1

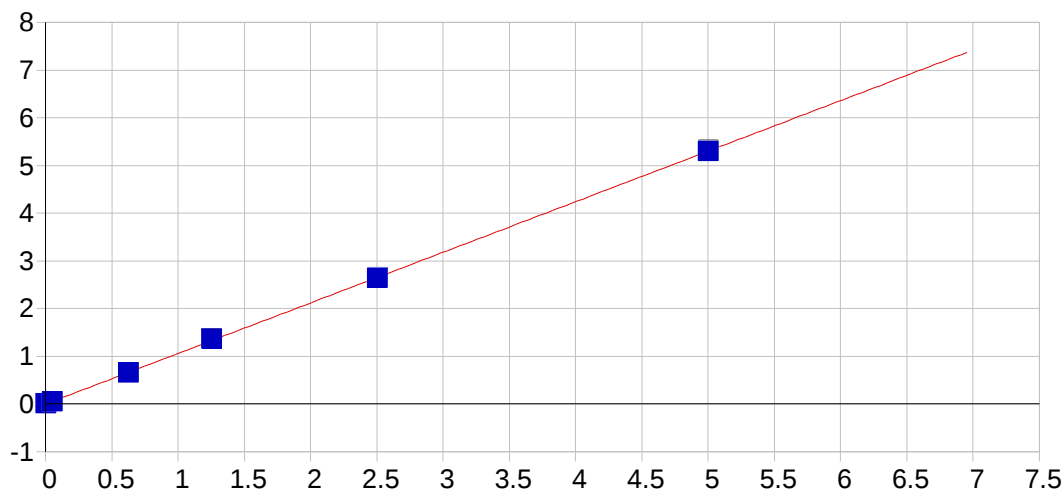


Cr 267.716 {126}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000044 Re-Slope: 1.000000
 A1 (Gain): 0.102946 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999027 Status: OK.
 Std Error of Est: 0.000135
 Predicted MDL: 0.000526
 Predicted MQL: 0.001754

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00004	.000	1
S1	.01000	.01078	.001	7.81	.00116	.000	1
S3	7.7500	8.3458	.596	7.69	.86150	.004	1
S4	15.500	15.857	.357	2.30	1.6371	.001	1
S5	31.000	29.811	-1.19	-3.84	3.0781	.004	1
S2	3.8750	4.1104	.235	6.07	.42433	.001	1

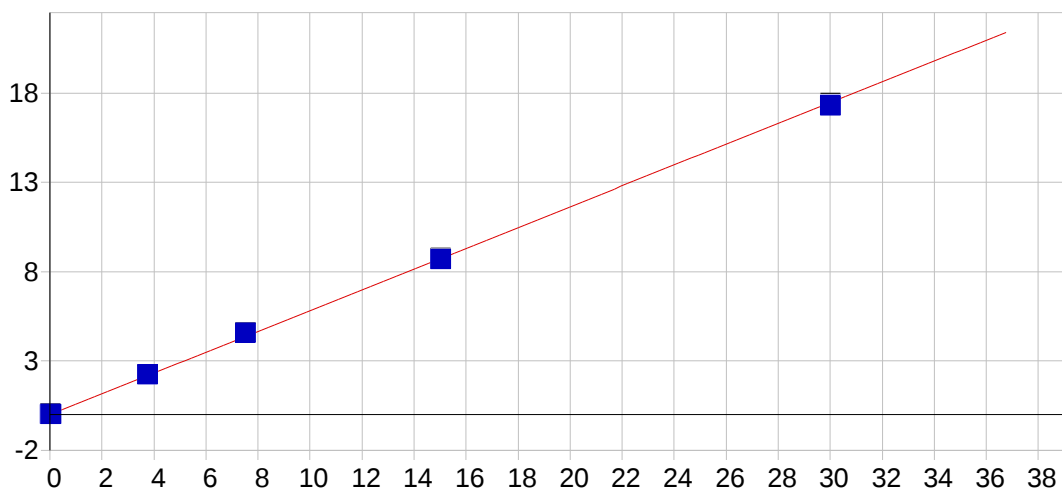


Co 228.616 {447}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000142 Re-Slope: 1.000000
 A1 (Gain): 1.060124 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999945 Status: OK.
 Std Error of Est: 0.000296
 Predicted MDL: 0.000233
 Predicted MQL: 0.000775

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00014	.000	1
S1	.05000	.04638	-.004	-7.24	.04920	.000	1
S3	1.2500	1.2778	.028	2.23	1.3559	.006	1
S4	2.5000	2.4914	-.009	-.343	2.6439	.008	1
S5	5.0000	4.9931	-.007	-.138	5.2987	.015	1
S2	.62500	.61629	-.009	-1.39	.65390	.002	1

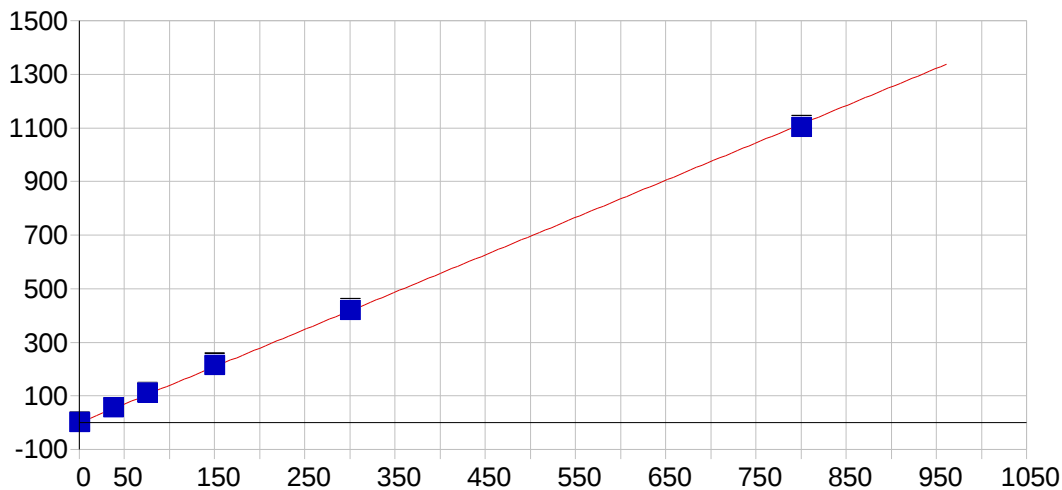


Cu 224.700 {450}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000149 Re-Slope: 1.000000
 A1 (Gain): 0.581934 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999850 Status: OK.
 Std Error of Est: 0.000464
 Predicted MDL: 0.000519
 Predicted MQL: 0.001731

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00015	.000	1
S1	.02500	.02582	.001	3.29	.01493	.000	1
S3	7.5000	7.8013	.301	4.02	4.5573	.006	1
S4	15.000	14.921	-.079	-.529	8.7178	.012	1
S5	30.000	29.703	-.297	-.990	17.355	.051	1
S2	3.7500	3.8243	.074	1.98	2.2341	.003	1



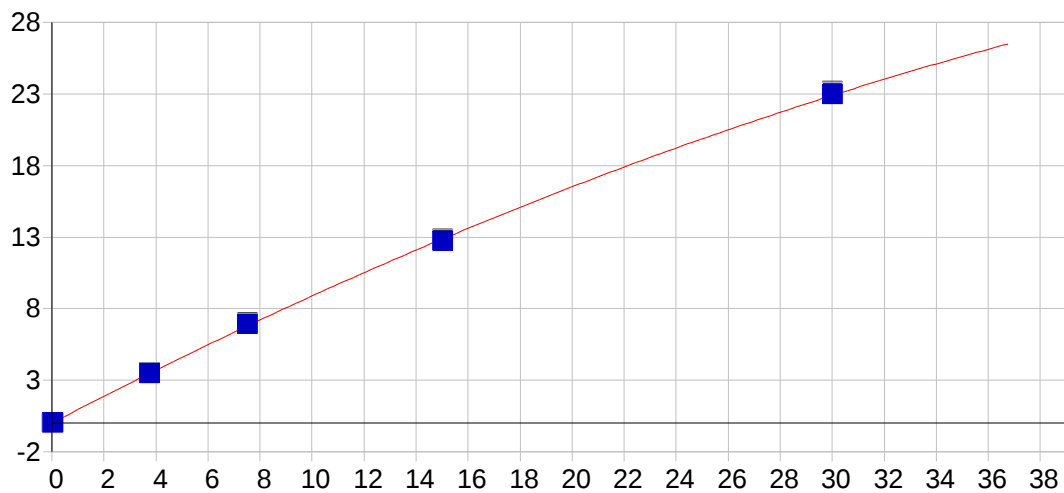
Fe 240.488 {140}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.003200 Re-Slope: 1.000000

A1 (Gain): 1.391626 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999821 Status: OK.
 Std Error of Est: 0.011520
 Predicted MDL: 0.007476
 Predicted MQL: 0.024921

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	-.00322	.008	1
S1	.10000	.10588	.006	5.88	.14378	.008	1
S3	75.000	78.591	3.59	4.79	109.51	1.88	1
S4	150.00	153.78	3.78	2.52	214.28	6.95	1
S5	300.00	299.95	-.048	-.016	417.98	7.78	1
S6	800.00	790.61	-9.39	-1.17	1100.7	8.19	1
S2	37.500	39.552	2.05	5.47	55.109	1.09	1

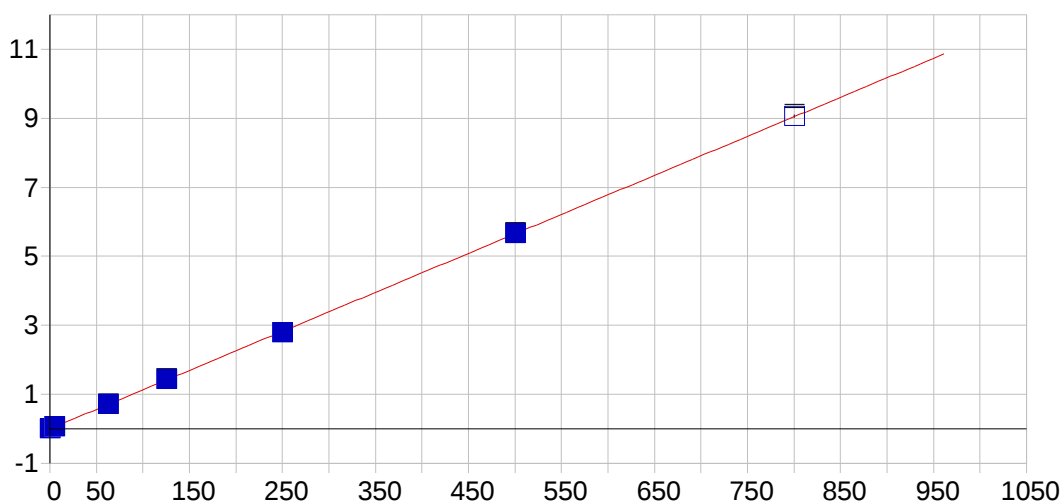


Mn 257.610 {131}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.000014 Re-Slope: 1.000000
 A1 (Gain): 0.950845 Y-int: 0.000000
 A2 (Curvature): -0.006258
 n (Exponent): 1.000000
 Correlation: 0.999964 Status: OK.
 Std Error of Est: 0.000290
 Predicted MDL: 0.000058
 Predicted MQL: 0.000193

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00001	.000	1
S1	.01500	.01557	.001	3.78	.01486	.000	1
S3	7.5000	7.6189	.119	1.58	6.9326	.036	1
S4	15.000	14.816	-.184	-1.23	12.817	.034	1
S5	30.000	30.080	.080	.266	23.145	.036	1
S2	3.7500	3.7417	-.008	-.220	3.4960	.005	1

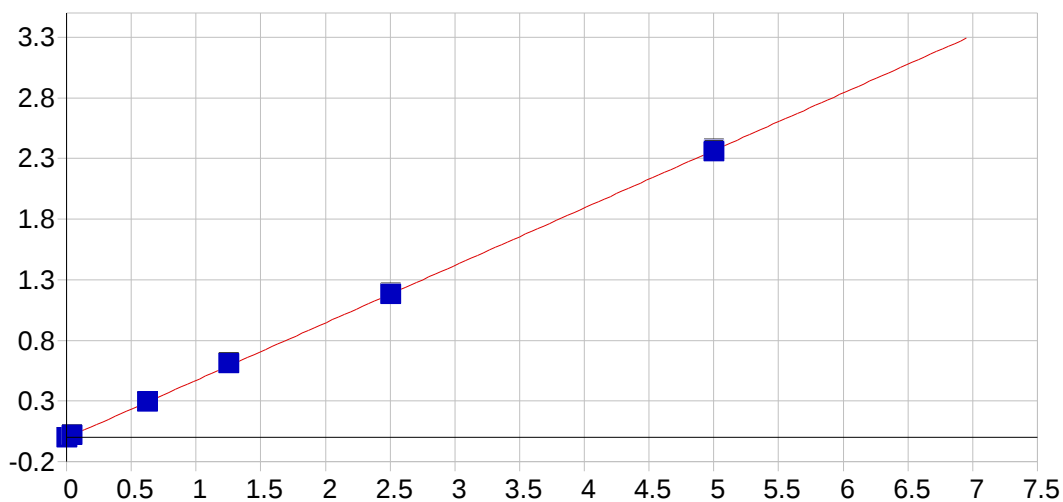


Mg 279.079 {121}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000159 Re-Slope: 1.000000
 A1 (Gain): 0.011303 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999971 Status: OK.
 Std Error of Est: 0.000299
 Predicted MDL: 0.032913
 Predicted MQL: 0.109711

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	62.500	62.320	-.180	-.288	.70409	.002	1
S0	.00000	.00011	.000	.000	-.00016	.000	1
S3	125.00	127.30	2.30	1.84	1.4383	.008	1
S4	250.00	246.38	-3.62	-1.45	2.7840	.007	1
S5	500.00	500.42	.419	.084	5.6548	.024	1
S6	800.00	801.21	1.21	.151	9.0555	.045	1
S1	5.0000	4.8753	-.125	-2.49	.05494	.000	1

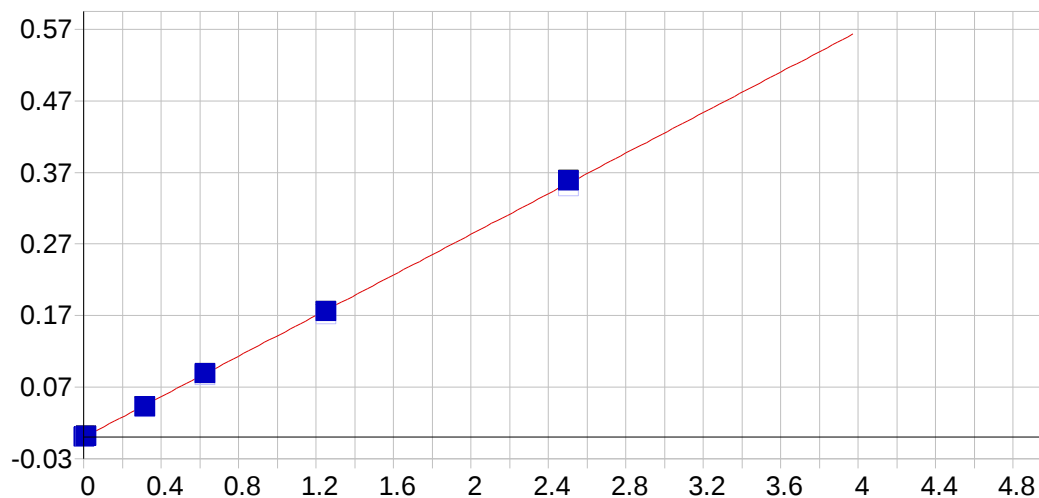


Ni 231.604 {445}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004033 Re-Slope: 1.000000
 A1 (Gain): 0.474080 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999929 Status: OK.
 Std Error of Est: 0.000135
 Predicted MDL: 0.000482
 Predicted MQL: 0.001605

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00403	.000	1
S1	.04000	.03872	-.001	-3.21	.01432	.000	1
S3	1.2500	1.2876	.038	3.01	.60987	.001	1
S4	2.5000	2.4926	-.007	-.296	1.1846	.004	1
S5	5.0000	4.9759	-.024	-.482	2.3688	.009	1
S2	.62500	.62020	-.005	-.768	.29173	.000	1

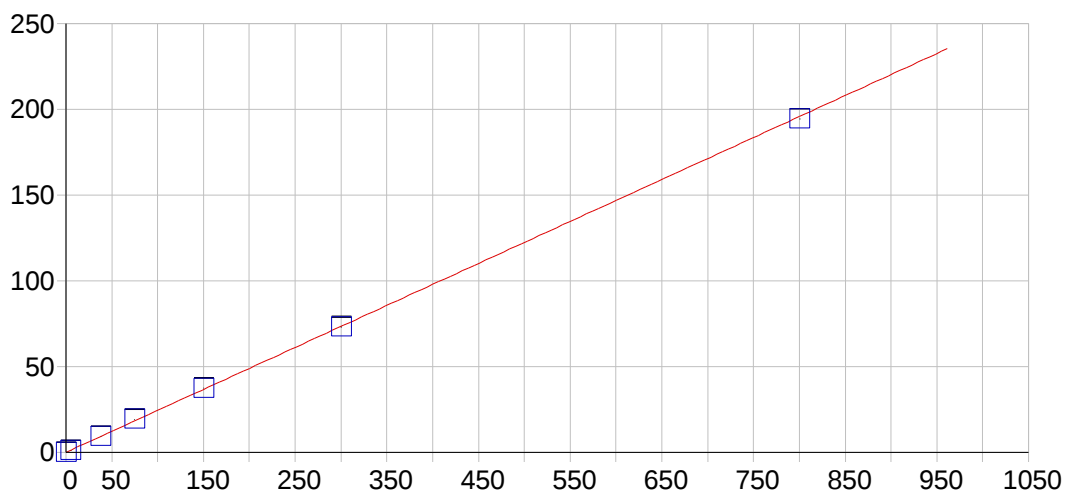


Ag 328.068 {103}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000003 Re-Slope: 1.000000
 A1 (Gain): 0.141771 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999896 Status: OK.
 Std Error of Est: 0.000017
 Predicted MDL: 0.000574
 Predicted MQL: 0.001913

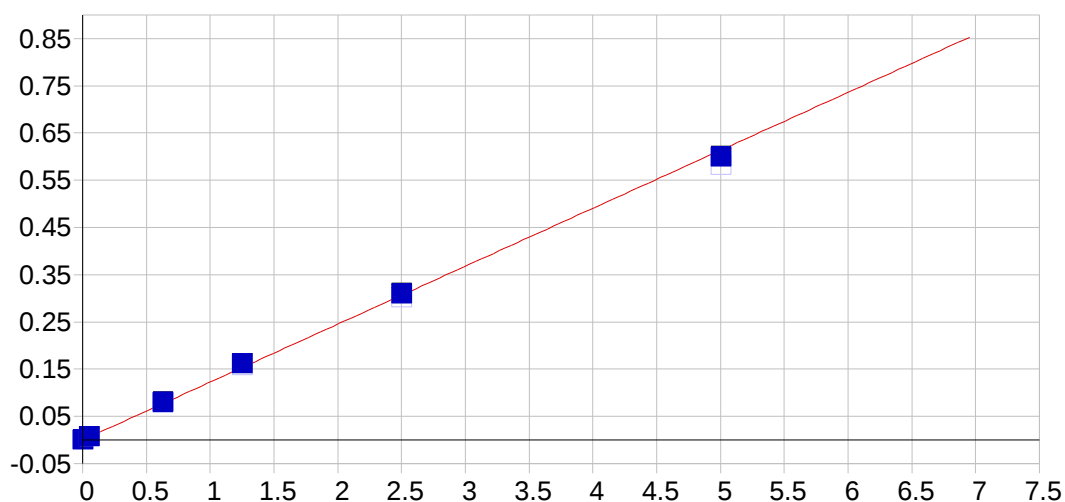
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00000	.000	1
S1	.01000	.00974	-.000	-2.64	.00134	.000	1
S3	.62500	.62455	-.000	-.072	.08644	.000	1
S4	1.2500	1.2361	-.014	-1.11	.17104	.000	1
S5	2.5000	2.5269	.027	1.08	.34982	.001	1
S2	.31250	.30019	-.012	-3.94	.04151	.000	1



Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.034152 Re-Slope: 1.000000
 A1 (Gain): 0.244733 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999888 Status: OK.
 Std Error of Est: 0.011332
 Predicted MDL: 0.009004
 Predicted MQL: 0.030014

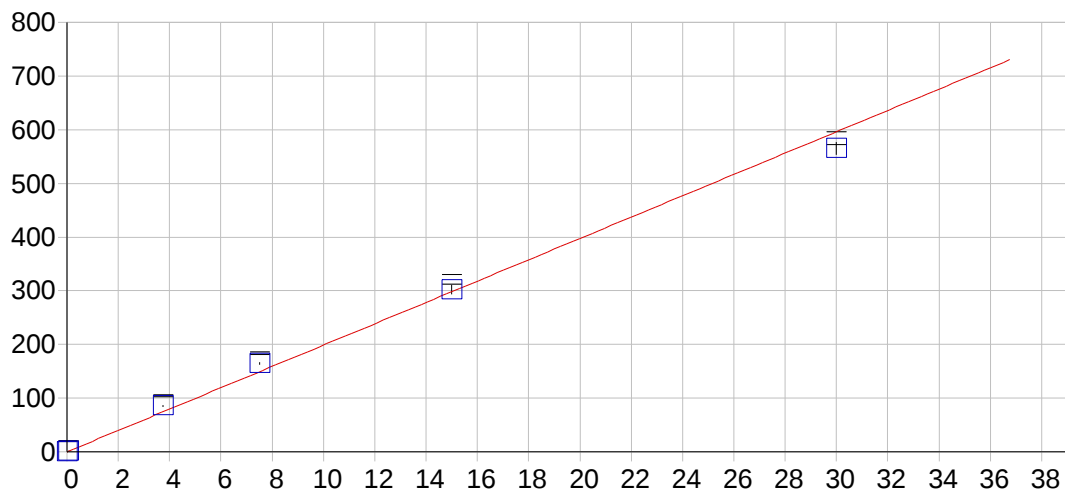
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	37.500	38.084	.584	1.56	9.3544	.016	1
S0	.00000	-.00026	-.000	.000	.03409	.002	1
S3	75.000	78.701	3.70	4.93	19.295	.126	1
S4	150.00	153.08	3.08	2.05	37.497	.078	1
S5	300.00	298.63	-1.37	-.455	73.120	.510	1
S6	800.00	794.11	-5.89	-.737	194.38	.077	1
S1	5.0000	4.8962	-.104	-2.08	1.2324	.003	1



Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000001 Re-Slope: 1.000000
 A1 (Gain): 0.122691 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999594 Status: OK.
 Std Error of Est: 0.000090
 Predicted MDL: 0.000527
 Predicted MQL: 0.001757

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00000	.000	1
S1	.05000	.05090	.001	1.79	.00624	.000	1
S3	1.2500	1.3161	.066	5.29	.15694	.000	1
S4	2.5000	2.5246	.025	.982	.30068	.000	1
S5	5.0000	4.8854	-.115	-2.29	.58128	.001	1
S2	.62500	.64798	.023	3.68	.07724	.000	1

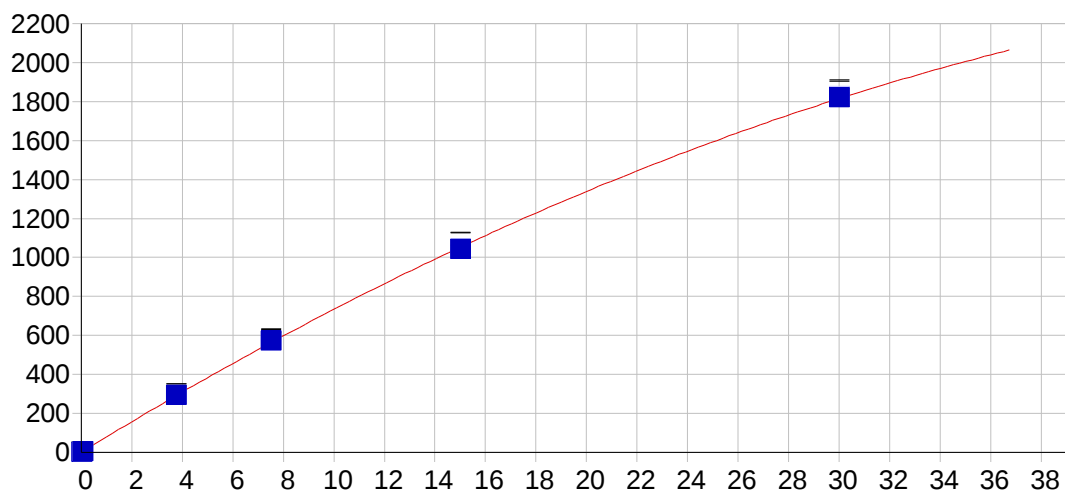


Zn 206.200 {163}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.047553 Re-Slope: 1.000000
 A1 (Gain): 19.867863 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.997816 Status: OK.
 Std Error of Est: 0.093586
 Predicted MDL: 0.000596
 Predicted MQL: 0.001987

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.04714	.003	1
S1	.06000	.06826	.008	13.8	1.4038	.046	1
S3	7.5000	8.2915	.791	10.6	164.78	2.19	1
S4	15.000	15.204	.204	1.36	302.11	8.80	1
S5	30.000	28.451	-1.55	-5.16	565.31	12.0	1
S2	3.7500	4.2956	.546	14.5	85.391	1.73	1

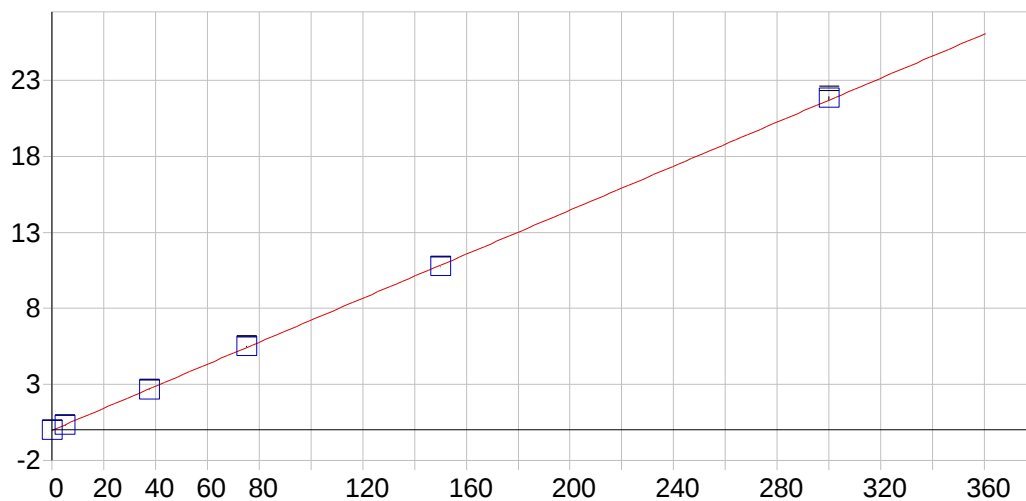


Zn 213.856 {458}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.060820 Re-Slope: 1.000000
 A1 (Gain): 79.829283 Y-int: 0.000000
 A2 (Curvature): -0.644292
 n (Exponent): 1.000000
 Correlation: 0.999962 Status: OK.
 Std Error of Est: 0.048072
 Predicted MDL: 0.000078
 Predicted MQL: 0.000259

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.06105	.002	1
S1	.06000	.05664	-.003	-5.60	4.5970	.133	1
S3	7.5000	7.6055	.106	1.41	571.63	9.35	1
S4	15.000	14.798	-.202	-1.34	1043.7	33.8	1
S5	30.000	30.101	.101	.336	1826.0	33.0	1
S2	3.7500	3.7627	.013	.339	292.16	6.27	1



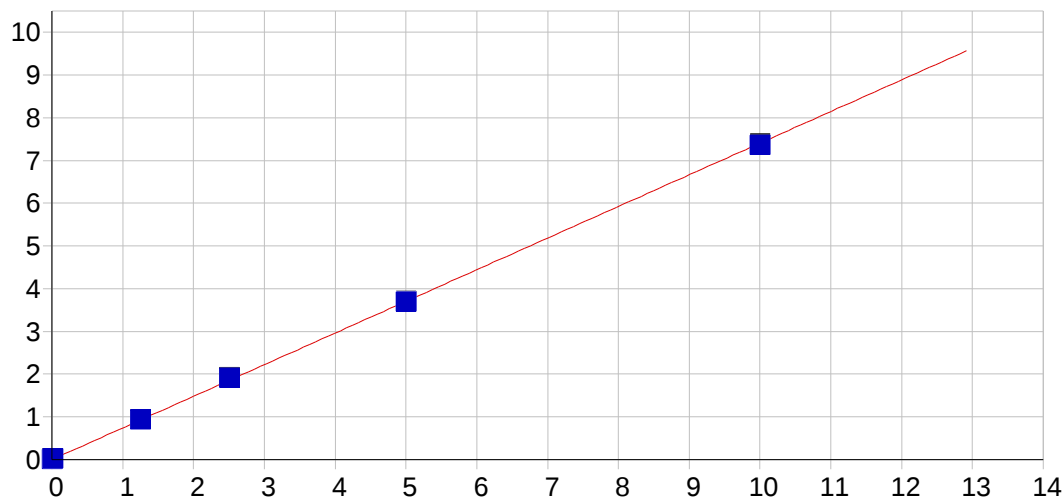
K 766.490 {44}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.015976 Re-Slope: 1.000000

A1 (Gain): 0.072365 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999937 Status: OK.
 Std Error of Est: 0.001677
 Predicted MDL: 0.032880
 Predicted MQL: 0.109602

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	37.500	36.804	-.696	-1.86	2.6474	.006	1
S0	.00000	.00038	.000	.000	-.01595	.003	1
S3	75.000	76.047	1.05	1.40	5.4872	.037	1
S4	150.00	148.51	-1.49	-.990	10.731	.033	1
S5	300.00	301.47	1.47	.489	21.800	.149	1
S1	5.0000	4.6667	-.333	-6.67	.32173	.003	1

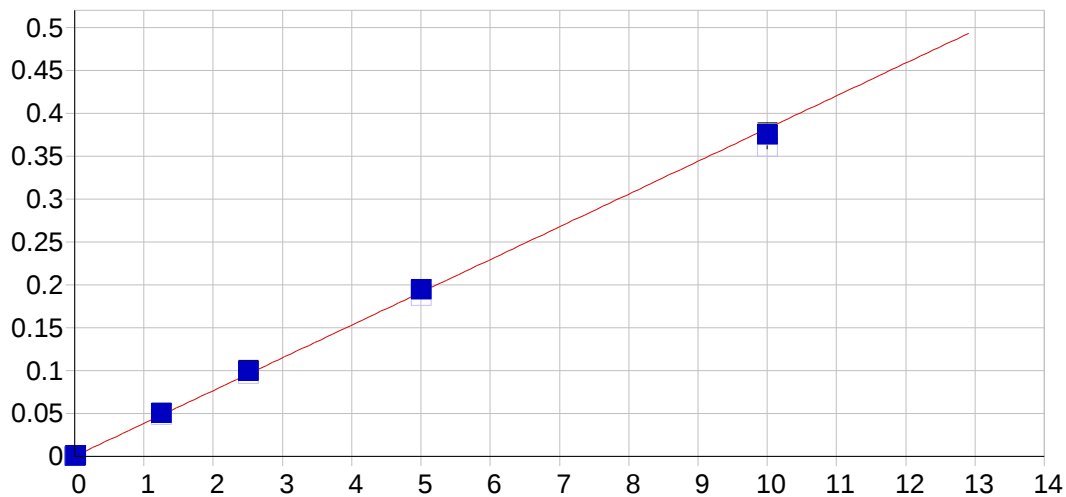


Mo 202.030 {467}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000447 Re-Slope: 1.000000
 A1 (Gain): 0.740740 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999924 Status: OK.
 Std Error of Est: 0.000153
 Predicted MDL: 0.000284
 Predicted MQL: 0.000948

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00045	.000	1
S1	.01000	.00985	-.000	-1.50	.00773	.000	1
S3	2.5000	2.5751	.075	3.00	1.9086	.004	1
S4	5.0000	4.9830	-.017	-.339	3.6929	.008	1
S5	10.000	9.9318	-.068	-.682	7.3600	.018	1
S2	1.2500	1.2603	.010	.820	.93430	.002	1

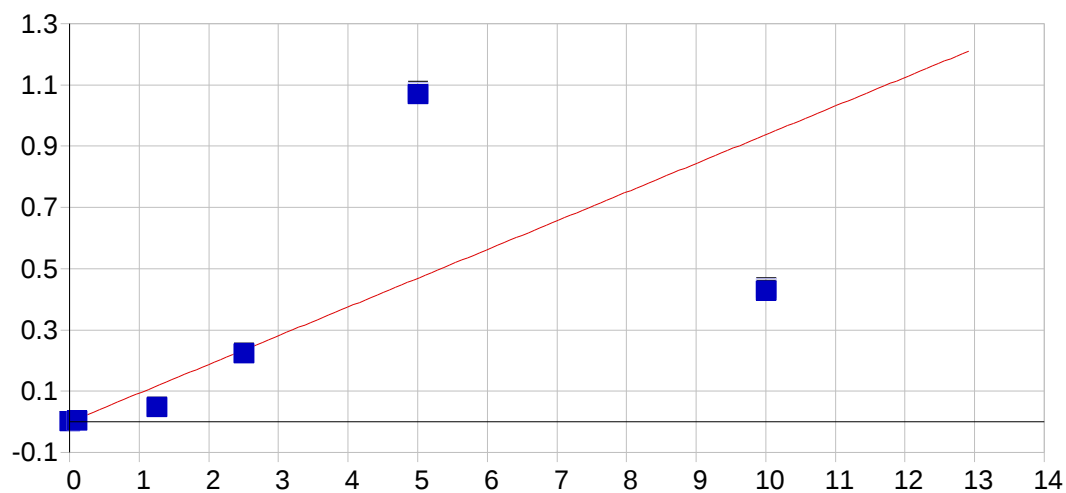


B 249.678 {135}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000290 Re-Slope: 1.000000
 A1 (Gain): 0.038184 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999734 Status: OK.
 Std Error of Est: 0.000014
 Predicted MDL: 0.007262
 Predicted MQL: 0.024207

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00029	.000	1
S1	.01000	.00936	-.001	-6.43	.00065	.000	1
S3	2.5000	2.5841	.084	3.36	.09539	.001	1
S4	5.0000	5.0707	.071	1.41	.18677	.000	1
S5	10.000	9.8028	-.197	-1.97	.36033	.002	1
S2	1.2500	1.2931	.043	3.45	.04788	.000	1



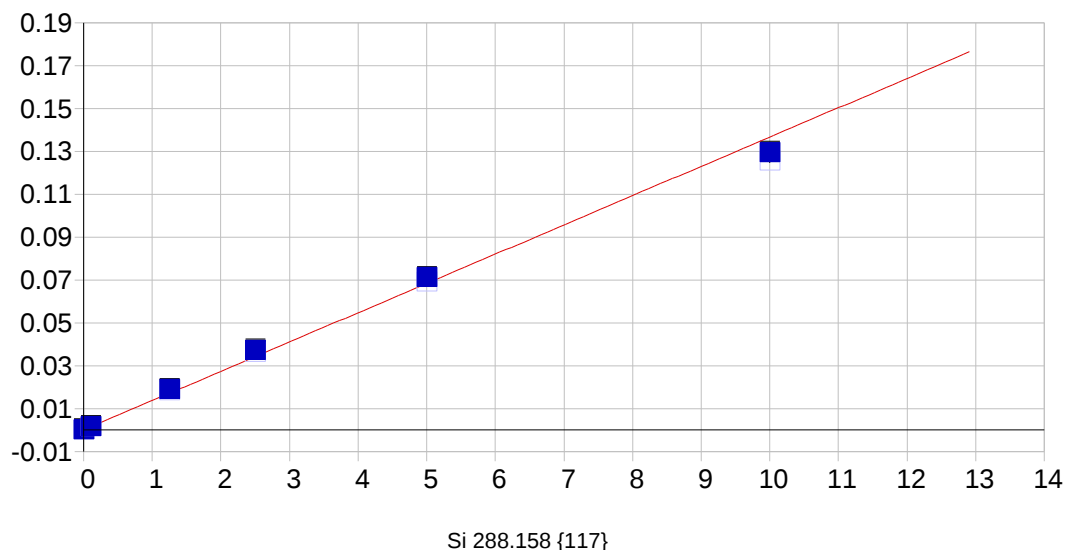
S 182.034 {485}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

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

A1 (Gain): 0.093747 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.788608 Status: OK.
 Std Error of Est: 0.003921
 Predicted MDL: 0.001323
 Predicted MQL: 0.004411

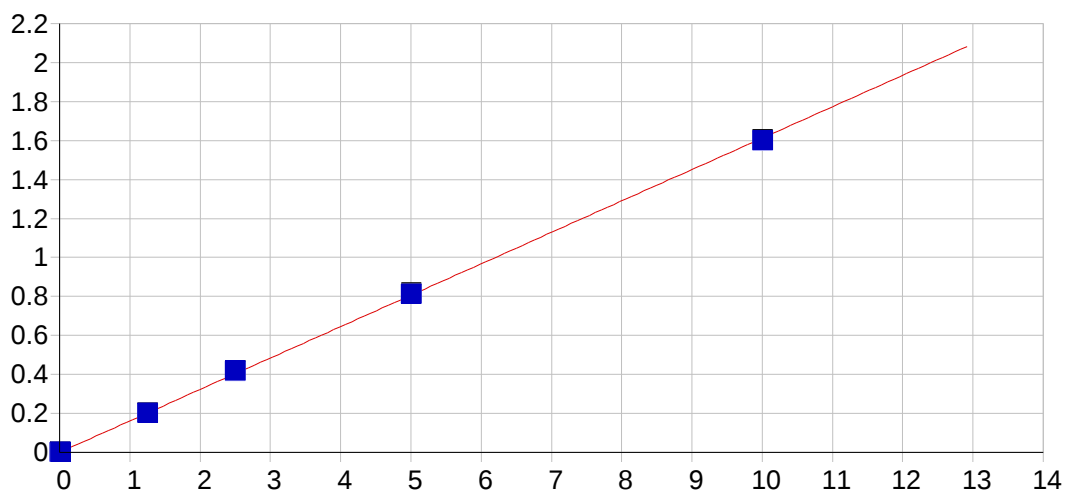
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00006	.000	.000	-.00011	.000	1
S1	.10000	.03379	-.066	-66.2	.00310	.000	1
S3	2.5000	2.3675	-.132	-5.30	.22406	.001	1
S4	5.0000	11.403	6.40	128.	1.0734	.005	1
S5	10.000	4.5494	-5.45	-54.5	.43529	.001	1
S2	1.2500	.49586	-.754	-60.3	.04748	.000	1



Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000172 Re-Slope: 1.000000
 A1 (Gain): 0.013653 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.998062 Status: OK.
 Std Error of Est: 0.000044
 Predicted MDL: 0.024348
 Predicted MQL: 0.081160

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	.00017	.000	1
S1	.10000	.11497	.015	15.0	.00174	.000	1
S3	2.5000	2.7107	.211	8.43	.03620	.001	1
S4	5.0000	5.1944	.194	3.89	.06914	.000	1
S5	10.000	9.4567	-.543	-5.43	.12538	.001	1
S2	1.2500	1.3728	.123	9.82	.01843	.000	1

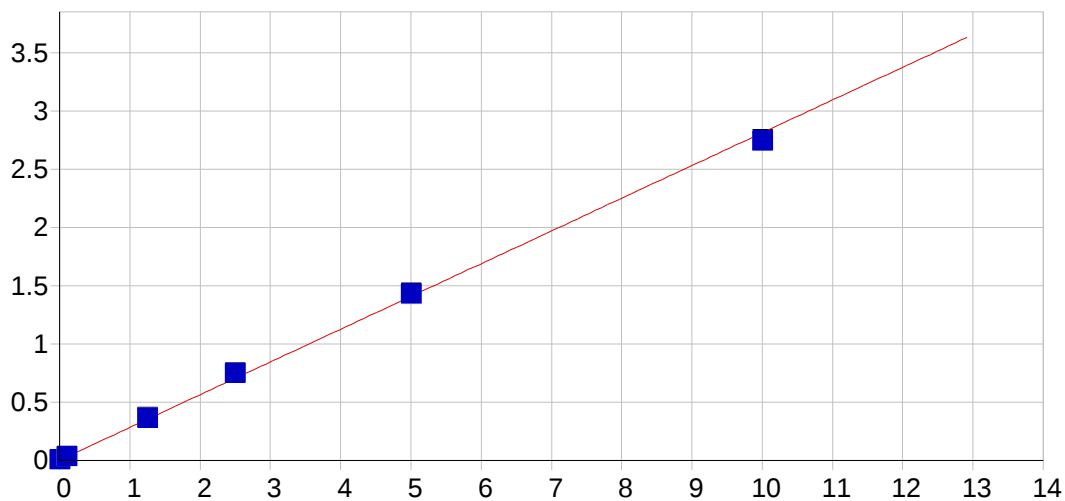


Sn 189.989 {477}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000556 Re-Slope: 1.000000
 A1 (Gain): 0.161184 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999908 Status: OK.
 Std Error of Est: 0.000031
 Predicted MDL: 0.000772
 Predicted MQL: 0.002573

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00056	.000	1
S1	.00700	.00658	-.000	-6.04	.00161	.000	1
S3	2.5000	2.5737	.074	2.95	.41528	.001	1
S4	5.0000	5.0333	.033	.666	.81161	.004	1
S5	10.000	9.9098	-.090	-.902	1.5974	.004	1
S2	1.2500	1.2336	-.016	-1.31	.19933	.001	1



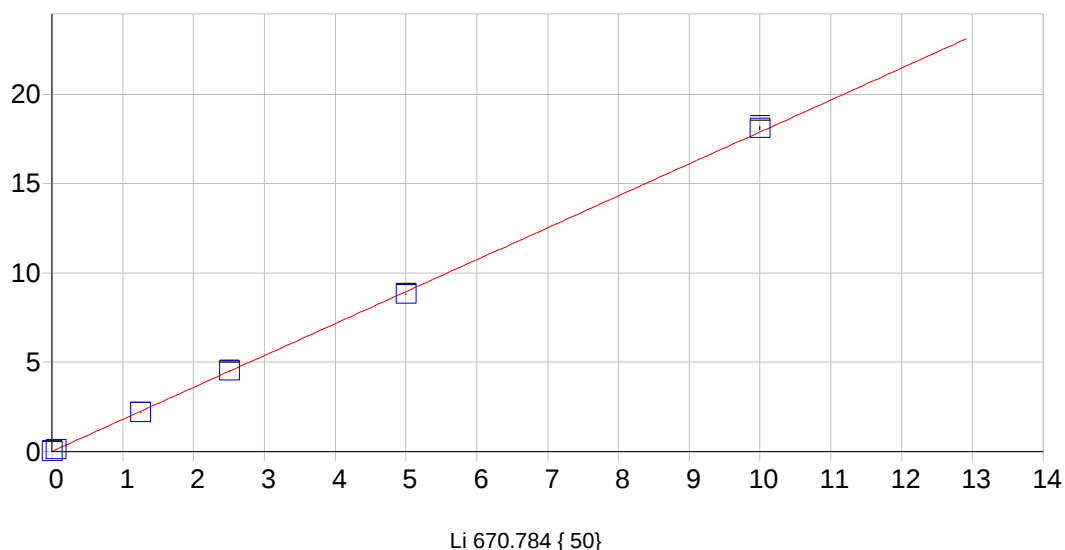
Ti 336.121 {100}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002952 Re-Slope: 1.000000

A1 (Gain): 0.280932 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999558 Status: OK.
 Std Error of Est: 0.000444
 Predicted MDL: 0.001833
 Predicted MQL: 0.006111

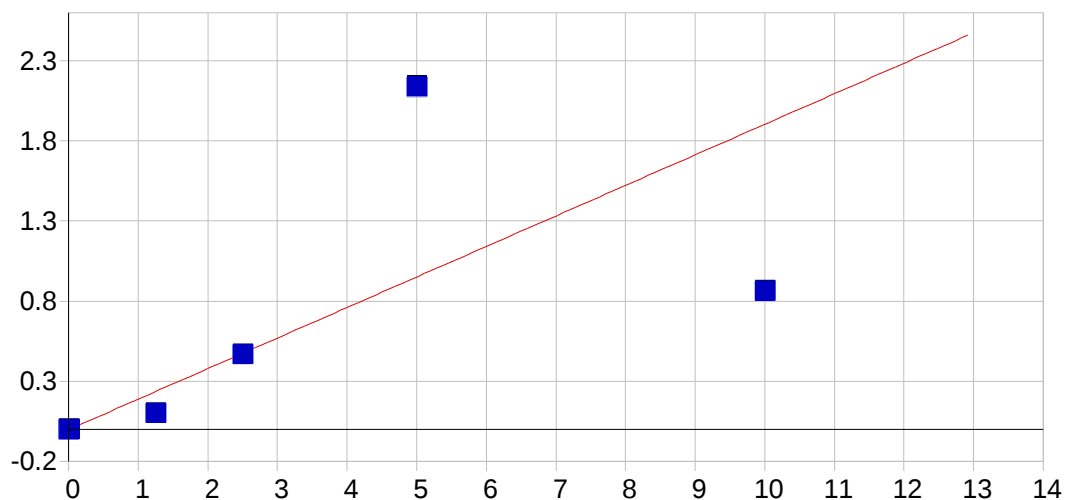
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00295	.000	1
S1	.10000	.09831	-.002	-1.69	.03056	.001	1
S3	2.5000	2.6483	.148	5.93	.74667	.002	1
S4	5.0000	5.0636	.064	1.27	1.4249	.007	1
S5	10.000	9.7546	-.245	-2.45	2.7422	.011	1
S2	1.2500	1.2852	.035	2.82	.36387	.002	1



Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.016323 Re-Slope: 1.000000
 A1 (Gain): 1.787380 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999883 Status: OK.
 Std Error of Est: 0.001027
 Predicted MDL: 0.001272
 Predicted MQL: 0.004240

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.01633	.003	1
S1	.05000	.04698	-.003	-6.04	.10029	.001	1
S3	2.5000	2.5066	.007	.266	4.4966	.047	1
S4	5.0000	4.9167	-.083	-1.67	8.8044	.027	1
S5	10.000	10.121	.121	1.21	18.106	.128	1
S2	1.2500	1.2088	-.041	-3.29	2.1770	.003	1

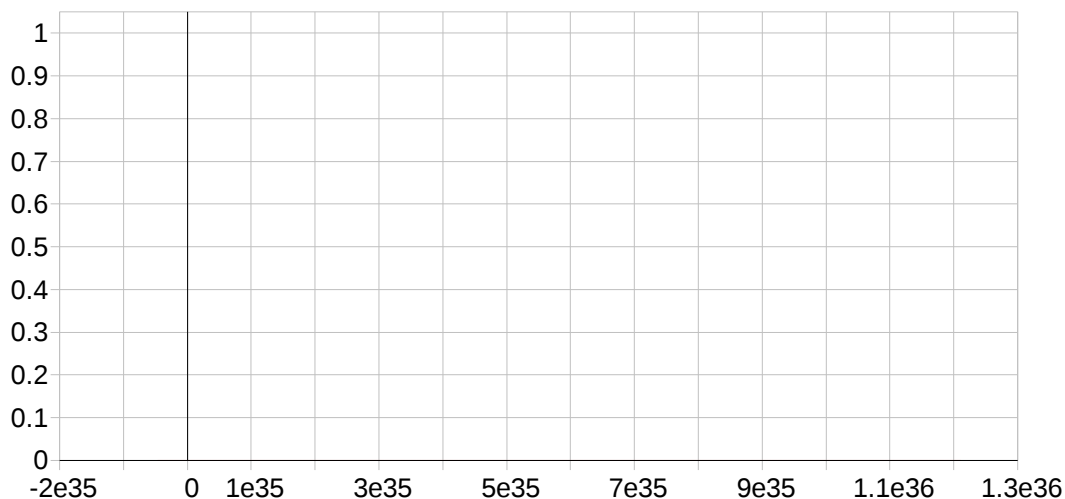


P 177.495 {490}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002336 Re-Slope: 1.000000
 A1 (Gain): 0.190615 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.790636 Status: OK.
 Std Error of Est: 0.002461
 Predicted MDL: 0.000728
 Predicted MQL: 0.002428

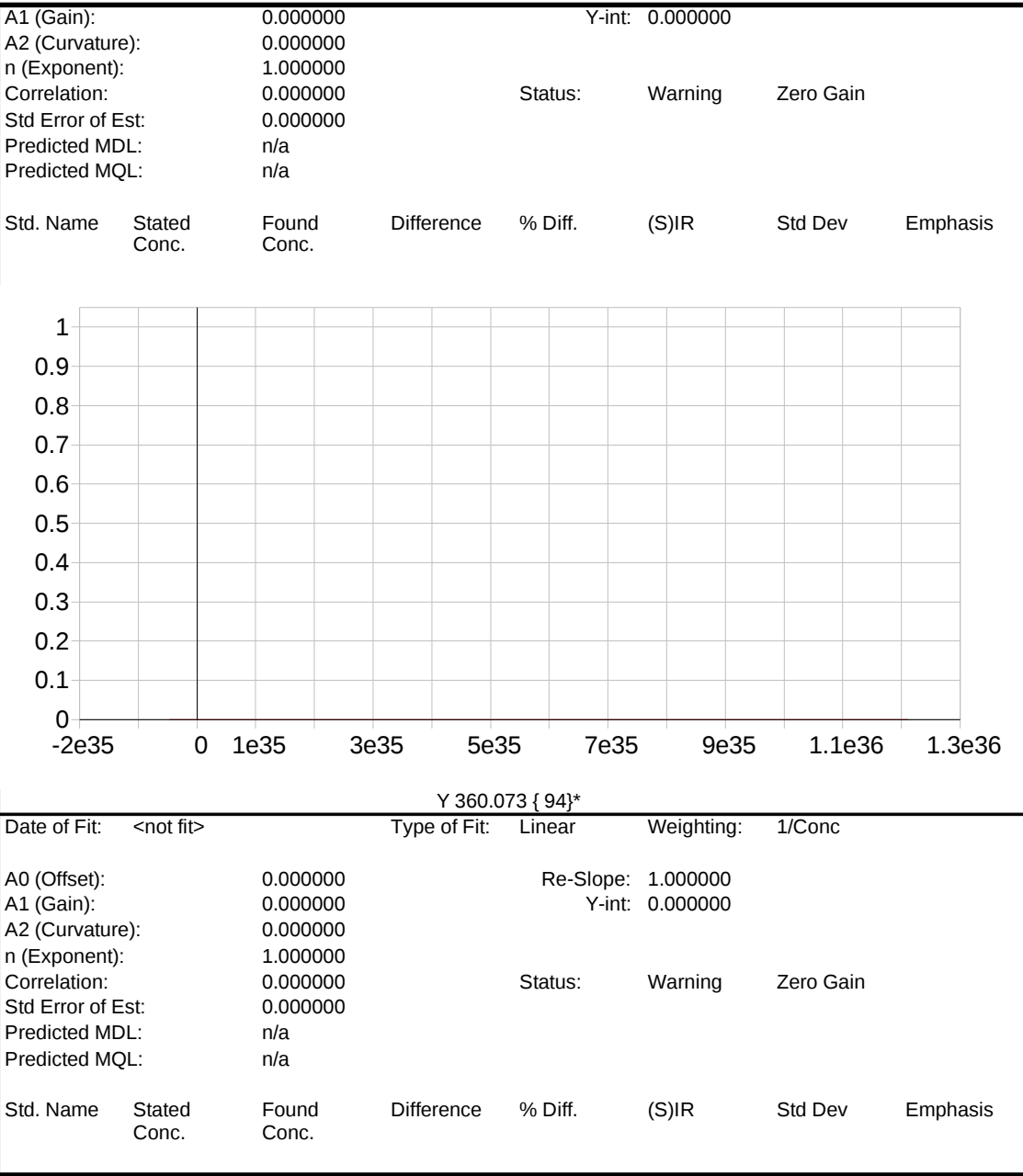
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00234	.000	1
S1	.01000	.00312	-.007	-68.8	-.00174	.000	1
S3	2.5000	2.4582	-.042	-1.67	.46346	.001	1
S4	5.0000	11.217	6.22	124.	2.1303	.010	1
S5	10.000	4.5474	-5.45	-54.5	.85334	.000	1
S2	1.2500	.53390	-.716	-57.3	.09804	.000	1

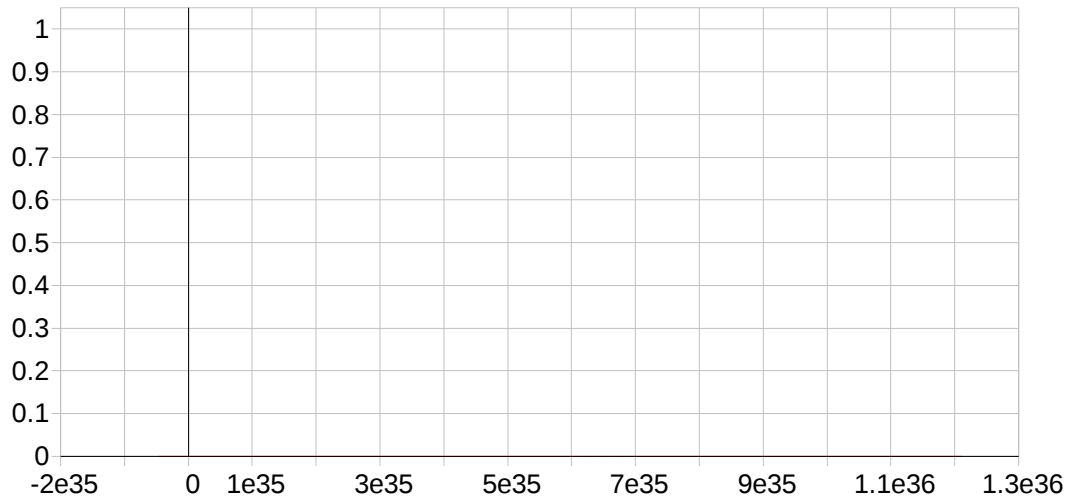


Y 224.306 {450}*

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

A0 (Offset): 0.000000 Re-Slope: 1.000000





Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

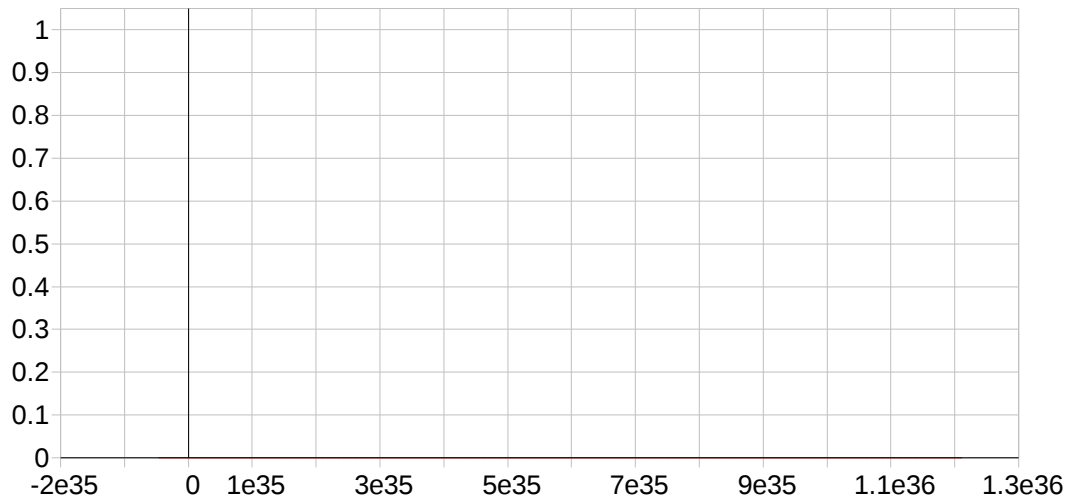
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit: <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

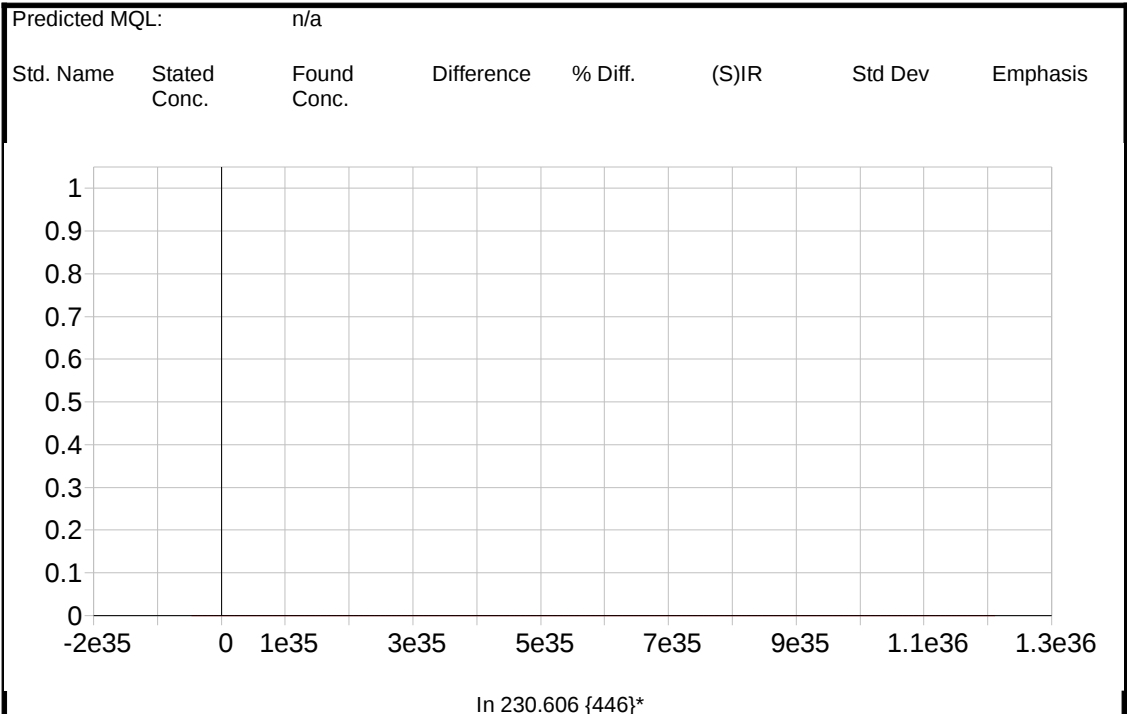
n (Exponent): 1.000000

Correlation: 0.000000

Status: Warning Zero Gain

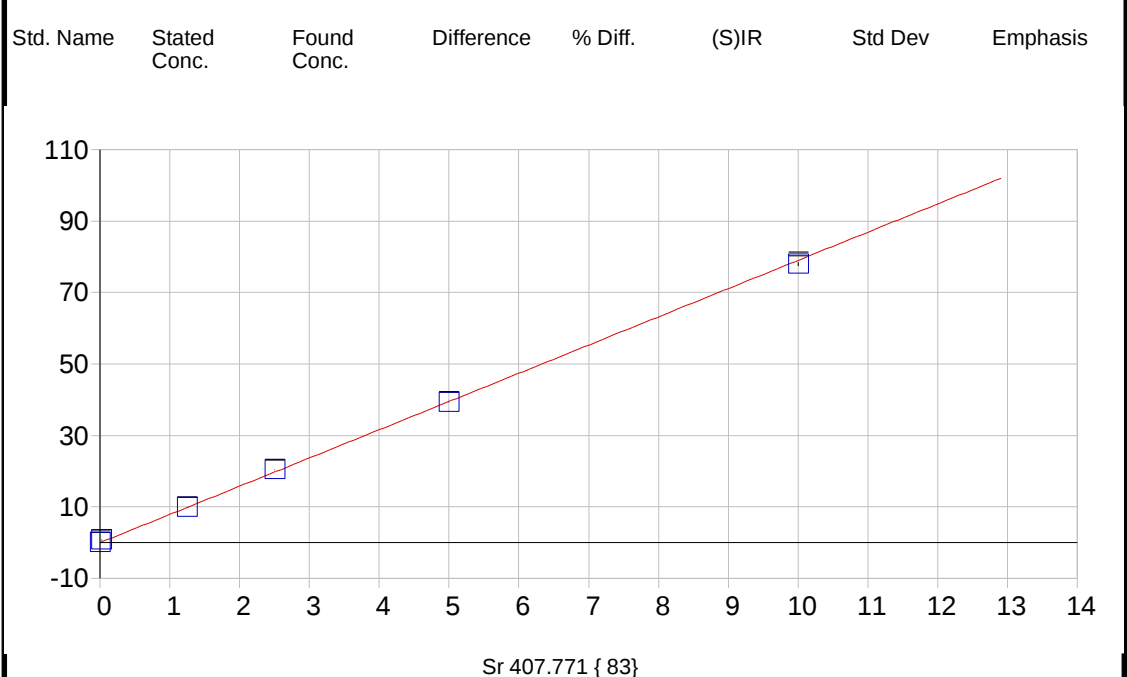
Std Error of Est: 0.000000

Predicted MDL: n/a



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



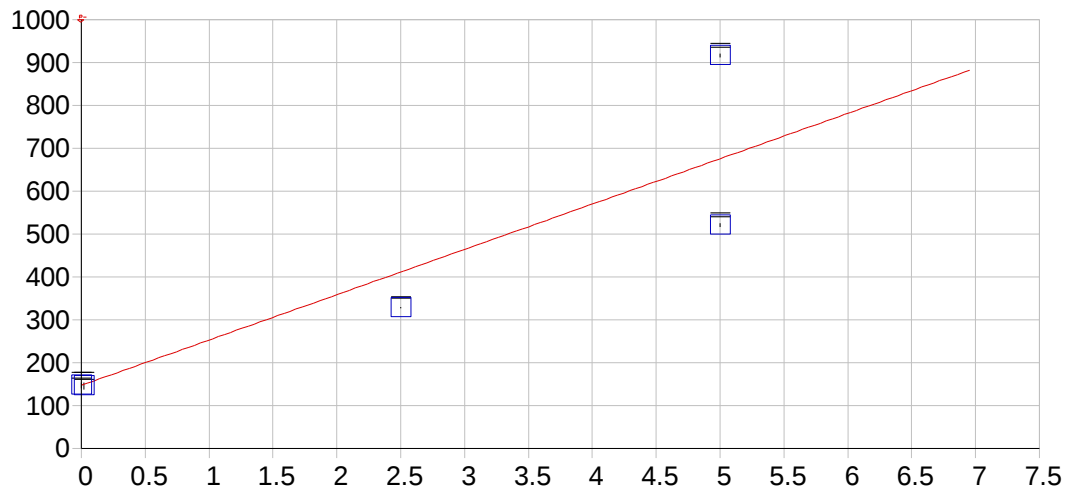
Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005007 Re-Slope: 1.000000
 A1 (Gain): 7.899672 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.991990
 Std Error of Est: 0.023857
 Predicted MDL: 0.000114
 Predicted MQL: 0.000379

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00008	-.000	.000	-.00562	.000	1
S1	.02000	.09741	.077	387.	.76453	.001	1
S3	2.5000	2.5787	.079	3.15	20.366	.125	1
S4	5.0000	4.9704	-.030	-.592	39.259	.092	1
S5	10.000	9.8694	-.131	-1.31	77.960	.530	1
S2	1.2500	1.2542	.004	.334	9.9026	.014	1

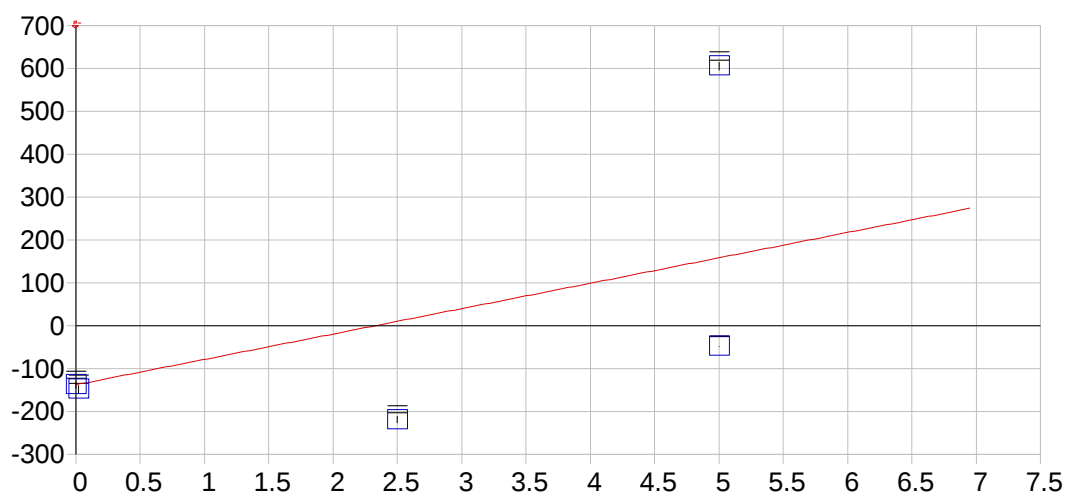


U 367.007 { 92 }

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 147.153714 Re-Slope: 1.000000
 A1 (Gain): 105.708732 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.936473 Status: OK.
 Std Error of Est: 0.808384
 Predicted MDL: 0.060666
 Predicted MQL: 0.202220

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	147.16	7.17	1
S1	.02000	-.00986	-.030	-149.	146.11	8.34	1
S3	2.5000	1.7161	-.784	-31.4	328.56	1.21	1
S4	5.0000	3.5364	-1.46	-29.3	520.98	4.58	1
S5	5.0000	7.2774	2.28	45.5	916.44	4.01	1



U 385.958 { 87}

Date of Fit: 10/22/2018 17:31:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -137.674322 Re-Slope: 1.000000
 A1 (Gain): 59.198558 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.603810 Status: OK.
 Std Error of Est: 1.595714
 Predicted MDL: 0.158810
 Predicted MQL: 0.529367

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00021	.000	.000	-137.66	8.33	1
S1	.02000	-.17753	-.198	-988.	-148.18	9.44	1
S3	2.5000	-1.3736	-3.87	-155.	-218.99	8.35	1
S4	5.0000	1.5113	-3.49	-69.8	-48.209	.869	1
S5	5.0000	12.560	7.56	151.	605.85	9.66	1

Sample Name: S0 Acquired: 10/22/2018 16:14:50 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S00 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	.00024	-.00057	.00207	-.00006	.00034	.00001	.04406	.00005
Stddev	.00009	.00013	.00011	.00020	.00016	.00003	.00551	.00006
%RSD	37.955	22.506	5.0854	303.14	45.873	302.59	12.506	111.38
#1	.00014	-.00070	.00219	-.00029	.00020	.00002	.03833	.00000
#2	.00031	-.00054	.00201	.00008	.00051	.00003	.04453	.00004
#3	.00026	-.00045	.00200	.00001	.00032	-.00002	.04932	.00012
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	-.00084	.00057	.00004	-.00014	-.00015	-.00322	.00001	-.00016
Stddev	.00013	.00050	.00005	.00027	.00019	.00780	.00004	.00014
%RSD	14.893	87.662	114.85	194.67	124.36	241.94	301.08	90.327
#1	-.00095	.00108	.00002	.00017	.00006	-.00756	.00004	-.00010
#2	-.00070	.00055	.00010	-.00035	-.00022	.00578	.00004	-.00005
#3	-.00088	.00008	.00001	-.00023	-.00029	-.00790	-.00003	-.00032
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	-.00403	.00000	.03409	-.00000	.06105	-.01595	.00045	.00029
Stddev	.00002	.00002	.00156	.00008	.00233	.00274	.00010	.00007
%RSD	.50829	588.80	4.5631	4711.2	3.8236	17.166	21.552	23.137
#1	-.00403	.00002	.03230	.00009	.06369	-.01483	.00044	.00028
#2	-.00401	.00000	.03480	-.00005	.05926	-.01394	.00054	.00036
#3	-.00406	-.00001	.03516	-.00004	.06021	-.01907	.00035	.00023
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	-.00011	.00017	.00056	.00295	.01633	-.0023	-.00562	147.16
Stddev	.00009	.00025	.00007	.00045	.00303	.0001	.00041	7.17
%RSD	80.291	146.24	11.973	15.327	18.535	6.192	7.3301	4.8700
#1	-.00016	.00004	.00062	.00342	.01856	-.0022	-.00530	148.38
#2	-.00001	.00046	.00057	.00252	.01755	-.0023	-.00608	139.46
#3	-.00016	.00002	.00048	.00292	.01289	-.0025	-.00548	153.63

Sample Name: S0 Acquired: 10/22/2018 16:14:50 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S00 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	-137.66
Stddev	8.33
%RSD	6.0536

#1	-135.30
#2	-146.92
#3	-130.76

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2732.4	58186.	4660.6	99.482	3425.7
Stddev	9.4	230.	17.8	.879	8.2
%RSD	.34463	.39464	.38158	.88329	.23991

#1	2725.6	58297.	4659.2	99.364	3417.3
#2	2728.4	57921.	4679.1	98.668	3425.9
#3	2743.2	58338.	4643.6	100.41	3433.7

Sample Name: S1 Acquired: 10/22/2018 16:19:38 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S01 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	.00075	.00206	.00449	.00206	.01026	.00121	.85389	.00295
Stddev	.00016	.00012	.00014	.00008	.00019	.00007	.00099	.00004
%RSD	20.625	5.9252	3.1088	3.6876	1.8459	6.1825	.11601	1.4903
#1	.00058	.00218	.00436	.00208	.01047	.00112	.85278	.00290
#2	.00087	.00194	.00447	.00197	.01019	.00124	.85468	.00297
#3	.00081	.00205	.00464	.00211	.01011	.00126	.85423	.00298
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	.01280	.21886	.00116	.04920	.01493	.14378	.01486	.05494
Stddev	.00004	.00140	.00006	.00012	.00024	.00754	.00005	.00021
%RSD	.29703	.63997	5.3861	.23605	1.5904	5.2462	.36039	.38955
#1	.01276	.21841	.00109	.04925	.01497	.14475	.01480	.05519
#2	.01283	.22043	.00121	.04927	.01514	.13581	.01490	.05479
#3	.01281	.21774	.00118	.04906	.01467	.15080	.01488	.05485
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	.01432	.00134	1.2324	.00624	4.5970	.32173	.00773	.00065
Stddev	.00039	.00003	.0031	.00010	.1327	.00285	.00010	.00020
%RSD	2.7131	1.9014	.25383	1.5747	2.8863	.88660	1.2292	30.296
#1	.01452	.00137	1.2328	.00632	4.4513	.31948	.00784	.00082
#2	.01388	.00135	1.2291	.00613	4.6288	.32494	.00765	.00070
#3	.01457	.00132	1.2354	.00628	4.7109	.32078	.00772	.00043
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	.00310	.00174	.00161	.03056	.10029	-.0017	.76453	146.11
Stddev	.00006	.00016	.00008	.00068	.00149	.0001	.00075	8.34
%RSD	1.8056	9.3198	4.7334	2.2174	1.4858	6.647	.09806	5.7089
#1	.00316	.00176	.00153	.02992	.10201	-.0016	.76373	144.25
#2	.00305	.00190	.00162	.03049	.09951	-.0019	.76521	155.23
#3	.00311	.00157	.00168	.03127	.09935	-.0017	.76467	138.86

Sample Name: S1 Acquired: 10/22/2018 16:19:38 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	-148.18
Stddev	9.44
%RSD	6.3727

#1	-139.37
#2	-158.15
#3	-147.03

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2697.8	57789.	4671.4	103.48	3360.2
Stddev	9.9	65.	13.5	3.08	9.9
%RSD	.36513	.11328	.28825	2.9811	.29390

#1	2689.6	57838.	4656.8	106.91	3351.3
#2	2695.0	57715.	4674.0	102.61	3358.5
#3	2708.7	57814.	4683.4	100.93	3370.9

Sample Name: S2 Acquired: 10/22/2018 16:24:26 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S02 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	.06280	.14221	1.4981	.07726	.21592	.24518	10.182	.07753
Stddev	.00006	.00039	.0008	.00006	.00037	.00106	.026	.00032
%RSD	.09792	.27547	.05134	.07131	.17212	.43112	.25393	.41262

#1	.06275	.14232	1.4979	.07721	.21610	.24640	10.166	.07773
#2	.06279	.14178	1.4990	.07725	.21549	.24461	10.169	.07769
#3	.06287	.14255	1.4976	.07732	.21616	.24454	10.212	.07716

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	1.8111	2.7557	.42433	.65390	2.2341	55.109	3.4960	.70409
Stddev	.0015	.0101	.00121	.00185	.0030	1.087	.0051	.00195
%RSD	.08378	.36574	.28547	.28247	.13354	1.9734	.14535	.27714

#1	1.8128	2.7541	.42473	.65580	2.2341	54.036	3.4983	.70184
#2	1.8098	2.7466	.42297	.65380	2.2311	55.080	3.4901	.70501
#3	1.8109	2.7666	.42530	.65211	2.2371	56.211	3.4995	.70541

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	.29173	.04151	9.3544	.07724	292.16	2.6474	.93430	.04788
Stddev	.00023	.00018	.0163	.00023	6.27	.0058	.00158	.00014
%RSD	.07872	.44532	.17468	.29581	2.1447	.22065	.16901	.29863

#1	.29173	.04163	9.3488	.07734	286.14	2.6478	.93566	.04802
#2	.29196	.04130	9.3417	.07697	291.69	2.6413	.93468	.04773
#3	.29150	.04160	9.3729	.07740	298.64	2.6530	.93257	.04790

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.04748	.01843	.19933	.36387	2.1770	.0980	9.9026	
Stddev	.00010	.00030	.00055	.00224	.0035	.0003	.0138	
%RSD	.21825	1.6547	.27831	.61551	.15904	.2865	.13963	

#1	.04741	.01809	.19997	.36301	2.1730	.0980	9.8914	
#2	.04744	.01850	.19894	.36219	2.1788	.0983	9.8983	
#3	.04760	.01869	.19909	.36641	2.1791	.0978	9.9181	

Sample Name: S2 Acquired: 10/22/2018 16:24:26 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S02 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	2590.2	55502.	4587.1	95.269	3019.3
Stddev	8.4	83.	19.6	1.778	10.1
%RSD	.32252	.14951	.42765	1.8662	.33382
#1	2580.6	55436.	4593.2	96.933	3007.8
#2	2595.8	55595.	4603.0	95.479	3023.4
#3	2594.3	55474.	4565.2	93.396	3026.6

Sample Name: S3 Acquired: 10/22/2018 16:28:52 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S03 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	.13121	.29156	3.0903	.16012	.45392	.51222	20.892	.16045
Stddev	.00008	.00037	.0070	.00024	.00045	.00253	.147	.00093
%RSD	.06395	.12553	.22772	.14842	.09975	.49455	.70566	.58042
#1	.13112	.29199	3.0976	.16013	.45445	.50987	20.755	.15949
#2	.13125	.29135	3.0897	.15988	.45365	.51490	20.874	.16135
#3	.13127	.29135	3.0836	.16036	.45367	.51189	21.048	.16051
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	3.7486	5.5829	.86150	1.3559	4.5573	109.51	6.9326	1.4383
Stddev	.0096	.0471	.00359	.0056	.0056	1.88	.0359	.0078
%RSD	.25725	.84293	.41653	.40985	.12391	1.7127	.51710	.53947
#1	3.7597	5.5363	.85741	1.3623	4.5563	110.30	6.9733	1.4342
#2	3.7438	5.5820	.86412	1.3522	4.5634	110.86	6.9191	1.4335
#3	3.7423	5.6304	.86297	1.3532	4.5522	107.37	6.9055	1.4473
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	.60987	.08644	19.295	.15694	571.63	5.4872	1.9086	.09539
Stddev	.00077	.00036	.126	.00043	9.35	.0369	.0044	.00083
%RSD	.12628	.41260	.65214	.27116	1.6357	.67243	.23255	.87526
#1	.60928	.08606	19.171	.15664	576.29	5.4582	1.9046	.09486
#2	.60958	.08677	19.292	.15743	577.72	5.4747	1.9134	.09496
#3	.61074	.08649	19.422	.15676	560.86	5.5287	1.9077	.09635
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	.22406	.03620	.41528	.74667	4.4966	.4635	20.366	328.56
Stddev	.00067	.00055	.00073	.00155	.0469	.0008	.125	1.21
%RSD	.29741	1.5074	.17459	.20700	1.0436	.1759	.61462	.36806
#1	.22472	.03668	.41550	.74663	4.4501	.4635	20.241	327.28
#2	.22407	.03633	.41448	.74515	4.4958	.4626	20.365	328.72
#3	.22339	.03561	.41588	.74824	4.5440	.4643	20.491	329.68

Sample Name: S3 Acquired: 10/22/2018 16:28:52 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	-218.99
Stddev	8.35
%RSD	3.8135

#1	-210.02
#2	-226.54
#3	-220.41

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2473.0	53913.	4558.7	94.930	2817.6
Stddev	5.0	160.	34.0	1.671	9.8
%RSD	.20333	.29630	.74594	1.7603	.34729

#1	2468.1	53851.	4567.7	93.942	2806.4
#2	2472.6	53794.	4587.3	93.989	2824.1
#3	2478.1	54095.	4521.1	96.860	2822.4

Sample Name: S4 Acquired: 10/22/2018 16:33:20 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S04 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	.25793	.55756	6.0200	.31171	.89429	1.0274	40.300	.31523
Stddev	.00138	.00275	.0206	.00089	.00126	.0067	.109	.00023
%RSD	.53547	.49370	.34211	.28559	.14126	.65066	.26923	.07179
#1	.25642	.55458	5.9965	.31072	.89287	1.0249	40.421	.31522
#2	.25913	.55808	6.0349	.31244	.89471	1.0224	40.212	.31547
#3	.25825	.56001	6.0286	.31198	.89530	1.0350	40.267	.31501
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	7.3077	10.565	1.6371	2.6439	8.7178	214.28	12.817	2.7840
Stddev	.0216	.021	.0007	.0079	.0120	6.95	.034	.0070
%RSD	.29509	.20074	.04046	.29917	.13790	3.2452	.26579	.25060
#1	7.2835	10.588	1.6378	2.6348	8.7042	207.26	12.810	2.7910
#2	7.3149	10.560	1.6366	2.6495	8.7270	214.42	12.854	2.7840
#3	7.3248	10.546	1.6368	2.6473	8.7223	221.17	12.787	2.7771
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	1.1846	.17104	37.497	.30068	1043.7	10.731	3.6929	.18677
Stddev	.0040	.00027	.078	.00026	33.8	.033	.0076	.00028
%RSD	.33860	.15517	.20709	.08553	3.2383	.30444	.20510	.14798
#1	1.1805	.17121	37.587	.30097	1007.9	10.764	3.6854	.18673
#2	1.1886	.17117	37.448	.30060	1048.0	10.699	3.7005	.18707
#3	1.1847	.17073	37.457	.30047	1075.1	10.731	3.6929	.18652
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	1.0734	.06914	.81161	1.4249	8.8044	2.130	39.259	520.98
Stddev	.0049	.00048	.00415	.0067	.0266	.010	.092	4.58
%RSD	.46001	.69041	.51073	.46921	.30182	.4720	.23404	.87879
#1	1.0680	.06917	.80683	1.4293	8.8322	2.119	39.364	516.09
#2	1.0745	.06960	.81384	1.4283	8.7792	2.138	39.193	525.17
#3	1.0776	.06864	.81417	1.4172	8.8018	2.134	39.220	521.67

Sample Name: S4 Acquired: 10/22/2018 16:33:20 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	-48.209
Stddev	.869
%RSD	1.8018

#1	-47.975
#2	-49.170
#3	-47.481

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2357.7	52072.	4553.9	91.562	2619.1
Stddev	3.5	69.	24.1	2.860	6.9
%RSD	.14987	.13158	.52870	3.1238	.26524

#1	2358.3	52149.	4541.9	94.645	2625.0
#2	2353.9	52018.	4538.3	91.045	2611.5
#3	2360.9	52049.	4581.7	88.995	2620.9

Sample Name: S5 Acquired: 10/22/2018 16:37:56 Type: Cal
 Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: S05 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	.52564	1.0769	12.008	.63070	1.8325	2.0819	79.780	.64149
Stddev	.00202	.0021	.039	.00118	.0062	.0067	.766	.00080
%RSD	.38335	.19105	.32798	.18754	.33679	.31973	.96023	.12521

#1	.52746	1.0786	12.053	.63173	1.8386	2.0743	78.933	.64238
#2	.52600	1.0746	11.981	.63097	1.8326	2.0848	80.425	.64125
#3	.52347	1.0775	11.990	.62941	1.8263	2.0867	79.981	.64083

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	14.381	20.449	3.0781	5.2987	17.355	417.98	23.145	5.6548
Stddev	.052	.098	.0040	.0155	.051	7.78	.036	.0241
%RSD	.36448	.47836	.12910	.29216	.29535	1.8605	.15756	.42573

#1	14.441	20.344	3.0809	5.3166	17.403	410.39	23.136	5.6287
#2	14.343	20.464	3.0799	5.2900	17.362	425.93	23.185	5.6596
#3	14.360	20.538	3.0736	5.2895	17.301	417.63	23.114	5.6761

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	2.3688	.34982	73.120	.58128	1826.0	21.800	7.3600	.36033
Stddev	.0085	.00052	.510	.00078	33.0	.149	.0179	.00203
%RSD	.36056	.14760	.69742	.13439	1.8065	.68273	.24311	.56339

#1	2.3786	.34987	72.544	.58039	1795.6	21.636	7.3790	.35801
#2	2.3653	.35031	73.302	.58158	1861.1	21.837	7.3574	.36177
#3	2.3626	.34928	73.514	.58186	1821.2	21.927	7.3435	.36121

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	.43529	.12538	1.5974	2.7422	18.106	.8533	77.960	916.44
Stddev	.00137	.00082	.0036	.0108	.128	.0003	.530	4.01
%RSD	.31569	.65234	.22493	.39388	.70893	.0327	.67949	.43717

#1	.43664	.12609	1.6014	2.7299	17.964	.8532	77.876	913.88
#2	.43389	.12448	1.5945	2.7467	18.140	.8531	78.526	914.38
#3	.43532	.12556	1.5963	2.7500	18.214	.8537	77.477	921.06

Sample Name: S5 Acquired: 10/22/2018 16:37:56 Type: Cal
Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	605.85
Stddev	9.66
%RSD	1.5942

#1	605.49
#2	615.69
#3	596.38

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2150.1	49830.	4428.7	87.700	2357.9
Stddev	6.3	71.	16.6	1.585	7.9
%RSD	.29099	.14153	.37569	1.8076	.33345

#1	2142.9	49799.	4447.2	89.191	2349.5
#2	2153.1	49781.	4423.9	86.035	2365.0
#3	2154.3	49911.	4415.0	87.875	2359.3

Sample Name: S6 Acquired: 10/22/2018 16:43:00 Type: Cal
 Method: EPA-ISM02.4(v4) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: S06 Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	Ca3736	Fe2404	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.6273	32.347	1100.7	9.0555	194.38
Stddev	.1296	.154	8.2	.0452	.08
%RSD	2.3040	.47720	.74398	.49914	.03938

#1	5.6781	32.171	1092.1	9.0039	194.47
#2	5.4799	32.458	1108.5	9.0882	194.33
#3	5.7239	32.412	1101.6	9.0744	194.34

Int. Std.	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S
Avg	48307.	4418.6	86.420
Stddev	1205.	19.8	.623
%RSD	2.4942	.44851	.72145

#1	47760.	4441.5	87.041
#2	49689.	4406.3	85.794
#3	47473.	4408.1	86.424

Sample Name: ICV Acquired: 10/22/2018 16:47:53 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.93051	1.0426	.93830	.96478	.91904	2.3291	.51146
Stddev	.00560	.0031	.00215	.00599	.00039	.0181	.00191
%RSD	.60189	.29543	.22959	.62135	.04277	.77652	.37261

#1	.92621	1.0428	.94076	.96883	.91875	2.3118	.50932
#2	.93685	1.0455	.93740	.96761	.91948	2.3276	.51208
#3	.92848	1.0394	.93675	.95789	.91888	2.3478	.51298

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44155	.46823	10.486	.51982	.47764	.53049	5.1540
Stddev	.00055	.00112	.003	.00200	.00111	.00170	.1110
%RSD	.12501	.23840	.03097	.38524	.23249	.31955	2.1536

#1	.44094	.46952	10.488	.51997	.47886	.52946	5.0403
#2	.44201	.46763	10.482	.52174	.47738	.53245	5.1596
#3	.44170	.46755	10.487	.51774	.47669	.52957	5.2621

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47405	5.8469	.48899	.47264	9.9083	.51309	F 1.1756
Stddev	.00055	.0426	.00126	.00036	.0159	.00171	.0212
%RSD	.11632	.72914	.25788	.07693	.16033	.33264	1.8068

#1	.47352	5.8885	.49038	.47282	9.9041	.51148	1.1578
#2	.47402	5.8033	.48868	.47222	9.9259	.51292	1.1698
#3	.47462	5.8489	.48791	.47288	9.8949	.51488	1.1991

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7041	2.4305	2.4719	F .00949	2.3082	2.2548	2.4753
Stddev	.0335	.0042	.0134	.00048	.0228	.0038	.0147
%RSD	.34537	.17358	.54050	5.0724	.98761	.17036	.59357

#1	9.7031	2.4306	2.4614	.00914	2.2966	2.2587	2.4587
#2	9.6711	2.4346	2.4675	.01004	2.2935	2.2546	2.4806
#3	9.7381	2.4262	2.4870	.00928	2.3344	2.2510	2.4867

Sample Name: ICV Acquired: 10/22/2018 16:47:53 Type: Unk
 Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICV Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F .00371	F -.0001	F .01131	F .05794	F <.00000
Stddev	.00008	.0005	.00006	.02153	.13376
%RSD	2.2196	422.8	.52494	37.154	38.623
#1	.00381	-.0006	.01124	.08195	-.49819
#2	.00366	-.0002	.01135	.05148	-.24607
#3	.00367	.0004	.01132	.04038	-.29468
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2649.0	57994.	4690.5	99.797	3280.6
Stddev	1.9	51.	12.4	1.853	6.7
%RSD	.07326	.08875	.26380	1.8570	.20526
#1	2648.9	57982.	4681.7	101.33	3272.8
#2	2647.0	58050.	4704.6	100.32	3284.7
#3	2650.9	57949.	4685.2	97.738	3284.2

Sample Name: ICB Acquired: 10/22/2018 16:52:23 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICB Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00315	-.00052	.00022	.00134	.00060	-.01051	.00024
Stddev	.00344	.00077	.00037	.00384	.00121	.00360	.00078
%RSD	109.12	147.58	168.99	285.34	203.13	34.248	321.29

#1	-.00013	-.00140	.00064	.00505	.00016	-.00661	-.00065
#2	-.00690	-.00017	-.00006	.00159	-.00033	-.01120	.00060
#3	-.00243	.00001	.00007	-.00261	.00197	-.01371	.00077

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-.00005	-.00033	-.00042	.00006	-.00020	.00700
Stddev	.00002	.00001	.01135	.00051	.00024	.00050	.00631
%RSD	97.965	10.913	3416.8	122.25	398.06	255.20	90.100

#1	.00003	-.00005	.01127	.00011	.00004	-.00077	-.00028
#2	.00003	-.00006	-.00086	-.00044	-.00017	.00012	.01065
#3	-.00000	-.00005	-.01141	-.00092	.00031	.00007	.01064

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.00191	.00018	.00012	.09606	-.00012	.00006
Stddev	.00001	.01194	.00024	.00010	.00805	.00015	.00004
%RSD	141.90	626.47	136.89	82.547	8.3770	131.05	77.935

#1	-.00000	-.00799	-.00008	.00011	.09276	.00003	.00009
#2	.00003	.01185	.00041	.00021	.09019	-.00010	.00007
#3	.00001	-.00958	.00020	.00002	.10523	-.00027	.00001

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03904	.00017	.00718	.00029	.00786	-.00047	-.00017
Stddev	.03489	.00031	.00415	.00023	.00964	.00058	.00111
%RSD	89.360	179.10	57.816	79.025	122.56	122.37	638.28

#1	.07894	.00043	.00454	.00007	.01821	-.00113	-.00099
#2	.02396	-.00017	.01197	.00052	-.00085	-.00006	-.00063
#3	.01423	.00026	.00504	.00028	.00623	-.00023	.00109

Sample Name: ICB Acquired: 10/22/2018 16:52:23 Type: Unk
 Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICB Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00122	-.0008	-.00010	F<.00000	F<.00000
Stddev	.00081	.0004	.00008	.02626	.01802
%RSD	66.233	49.77	78.396	41.122	24.546
#1	.00029	-.0005	-.00018	-.05068	-.06949
#2	.00172	-.0012	-.00009	-.09410	-.09309
#3	.00166	-.0006	-.00002	-.04680	-.05769
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2657.9	58332.	4631.2	98.336	3379.7
Stddev	6.9	115.	39.6	1.178	9.1
%RSD	.25947	.19670	.85485	1.1981	.26937
#1	2651.9	58220.	4675.1	98.532	3373.6
#2	2665.4	58326.	4620.1	99.405	3390.1
#3	2656.4	58450.	4598.2	97.073	3375.3

Sample Name: ICSA Acquired: 10/22/2018 16:57:34 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSA Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01628	-.01142	F .02070	-.00784	.00205	252.58	.00613
Stddev	.00254	.00108	.00202	.00255	.00331	.71	.00038
%RSD	15.619	9.4384	9.7685	32.562	161.08	.28153	6.2143

#1	.01427	-.01127	.02292	-.00643	.00281	252.63	.00635
#2	.01914	-.01256	.01897	-.00630	.00492	251.84	.00635
#3	.01543	-.01042	.02021	-.01078	-.00157	253.26	.00569

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00122	.00415	267.96	.05804	-.00063	F .05263	109.21
Stddev	.00013	.00026	.50	.00085	.00040	.00140	2.53
%RSD	10.956	6.1602	.18774	1.4637	64.610	2.6584	2.3141

#1	-.00132	.00421	267.38	.05812	-.00080	.05197	108.99
#2	-.00126	.00387	268.27	.05715	-.00016	.05169	111.84
#3	-.00106	.00438	268.23	.05884	-.00091	.05424	106.80

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01550	268.52	-.00112	-.00122	.14413	.00129	.00558
Stddev	.00009	.62	.00048	.00038	.00119	.00031	.00005
%RSD	.54933	.23228	43.183	31.041	.82425	23.642	.94983

#1	.01540	267.94	-.00149	-.00116	.14293	.00129	.00554
#2	.01555	268.44	-.00130	-.00088	.14416	.00099	.00564
#3	.01555	269.18	-.00057	-.00163	.14531	.00161	.00556

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05197	-.00023	-.00380	F -.03284	-.01371	.00988	-.00122
Stddev	.01297	.00042	.00838	.00204	.03366	.00046	.00108
%RSD	24.961	184.78	220.49	6.1980	245.53	4.6399	88.053

#1	.04105	-.00032	-.00513	-.03514	.01008	.01032	-.00230
#2	.04856	-.00059	-.01144	-.03210	.00102	.00940	-.00121
#3	.06631	.00023	.00517	-.03127	-.05223	.00993	-.00015

Sample Name: ICSA Acquired: 10/22/2018 16:57:34 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSA Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00625	-.0003	.10608	F 3.0264	F .40412
Stddev	.00039	.0004	.00036	.0265	.09809
%RSD	6.2272	107.9	.34222	.87479	24.272
#1	.00624	.0000	.10574	2.9975	.51719
#2	.00587	-.0007	.10646	3.0323	.34183
#3	.00665	-.0003	.10602	3.0495	.35335
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2440.1	52135.	4496.3	90.670	2726.6
Stddev	8.2	192.	16.0	2.360	8.6
%RSD	.33763	.36754	.35640	2.6030	.31651
#1	2431.2	52357.	4512.9	90.841	2716.9
#2	2447.5	52022.	4481.0	88.229	2729.4
#3	2441.6	52028.	4495.1	92.940	2733.5

Sample Name: ICSAB Acquired: 10/22/2018 17:02:27 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10988	.10055	F .07184	.04812	.61160	245.36	.56007
Stddev	.00113	.00033	.00103	.00011	.00280	.98	.00372
%RSD	1.0299	.32620	1.4352	.23375	.45739	.39948	.66442

#1	.10888	.10028	.07206	.04813	.61072	245.88	.56399
#2	.10966	.10045	.07072	.04800	.60936	244.23	.55658
#3	.11111	.10091	.07274	.04822	.61474	245.97	.55963

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52071	1.0498	261.26	.60865	.53116	.58399	107.11
Stddev	.00124	.0016	1.59	.00118	.00003	.00155	1.50
%RSD	.23881	.15393	.60674	.19352	.00573	.26488	1.3997

#1	.52210	1.0512	262.66	.60795	.53114	.58558	105.87
#2	.52033	1.0501	259.54	.61001	.53115	.58390	108.78
#3	.51969	1.0481	261.59	.60799	.53120	.58249	106.68

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52310	261.71	1.0658	.21270	.09717	.54825	1.0672
Stddev	.00086	1.53	.0009	.00016	.00326	.00031	.0207
%RSD	.16452	.58636	.08805	.07561	3.3581	.05627	1.9349

#1	.52320	263.27	1.0649	.21280	.09384	.54790	1.0532
#2	.52390	260.20	1.0657	.21252	.10036	.54849	1.0909
#3	.52219	261.66	1.0668	.21279	.09733	.54835	1.0576

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01881	F 1.0226	F 1.0418	F -.02978	F .96950	F 1.0232	F 1.0502
Stddev	.01472	.0007	.0168	.00123	.03274	.0034	.0031
%RSD	78.288	.06505	1.6115	4.1161	3.3775	.33091	.29234

#1	.00379	1.0234	1.0506	-.02957	.96564	1.0217	1.0518
#2	.01941	1.0223	1.0523	-.02868	.93886	1.0209	1.0467
#3	.03322	1.0221	1.0224	-.03111	1.0040	1.0271	1.0521

Sample Name: ICSAB Acquired: 10/22/2018 17:02:27 Type: Unk
 Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSAB Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00463	F -.0004	.10366	F 2.8937	F .35068
Stddev	.00051	.0006	.00039	.0983	.27574
%RSD	10.933	165.9	.37431	3.3959	78.630
#1	.00434	.0003	.10411	2.8053	.43120
#2	.00433	-.0008	.10350	2.9995	.04364
#3	.00521	-.0007	.10338	2.8763	.57720
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2445.2	52543.	4516.4	90.322	2737.5
Stddev	8.9	66.	20.3	1.697	6.5
%RSD	.36459	.12505	.45049	1.8786	.23920
#1	2439.4	52487.	4493.6	91.353	2733.4
#2	2440.7	52527.	4522.9	88.364	2734.0
#3	2455.5	52615.	4532.7	91.250	2745.0

Sample Name: CCV074 Acquired: 10/22/2018 17:07:05 Type: Unk

Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000

User: Bin He Custom ID1: CCV074 Custom ID2: Custom ID3:

Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0654	4.9619	25.275	5.0464	5.0584	414.80	10.100	.50526
Stddev	.0220	.0070	.023	.0034	.0085	1.07	.059	.00127
%RSD	.43337	.14168	.08986	.06744	.16810	.25764	.58018	.25199
#1	5.0718	4.9677	25.273	5.0479	5.0636	415.50	10.116	.50634
#2	5.0410	4.9541	25.299	5.0488	5.0486	413.57	10.149	.50385
#3	5.0834	4.9640	25.254	5.0425	5.0630	415.32	10.035	.50558
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5561	403.71	15.224	2.5496	14.849	422.27	14.460	427.11
Stddev	.0019	3.17	.035	.0008	.026	12.37	.050	2.45
%RSD	.07343	.78573	.22709	.03169	.17825	2.9303	.34727	.57437
#1	2.5551	403.78	15.239	2.5496	14.847	426.53	14.517	426.13
#2	2.5583	406.85	15.184	2.5504	14.823	408.33	14.437	429.91
#3	2.5551	400.50	15.249	2.5487	14.876	431.95	14.424	425.31
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5619	1.2730	420.76	2.4746	14.785	153.94	4.9789	5.0229
Stddev	.0043	.0017	4.54	.0036	.522	.87	.0095	.0200
%RSD	.16986	.13367	1.0792	.14588	3.5282	.56689	.19021	.39885
#1	2.5596	1.2743	422.85	2.4786	14.946	154.04	4.9786	5.0008
#2	2.5592	1.2735	423.88	2.4716	14.202	154.76	4.9696	5.0280
#3	2.5670	1.2711	415.55	2.4737	15.207	153.02	4.9886	5.0399
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 20.292	5.0286	5.1098	5.0376	5.0801	F 19.07	4.9701	F 9.6202
Stddev	.019	.0267	.0064	.0186	.0358	.01	.0290	.0812
%RSD	.09601	.53148	.12590	.36914	.70388	.0649	.58245	.84377
#1	20.285	5.0124	5.1130	5.0233	5.0861	19.09	4.9779	9.5835
#2	20.277	5.0594	5.1140	5.0586	5.1124	19.06	4.9944	9.7132
#3	20.314	5.0139	5.1024	5.0310	5.0417	19.07	4.9381	9.5638

Sample Name: CCV074 Acquired: 10/22/2018 17:07:05 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV074 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	F 27.251
Stddev	.313
%RSD	1.1468

#1	27.088
#2	27.611
#3	27.053

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2221.4	50333.	4456.5	88.406	2376.3
Stddev	3.8	131.	22.6	2.756	2.1
%RSD	.17077	.26038	.50723	3.1169	.08825

#1	2222.4	50311.	4465.6	87.657	2377.9
#2	2224.6	50473.	4430.7	91.459	2377.0
#3	2217.2	50214.	4473.0	86.103	2373.9

Sample Name: CCB074 Acquired: 10/22/2018 17:11:49 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB074 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00146	.00107	.00029	-.00163	-.00009	-.00727	.00035
Stddev	.00015	.00153	.00077	.00128	.00058	.00534	.00067
%RSD	10.251	142.68	263.78	78.831	673.89	73.450	190.66

#1	-.00164	-.00069	.00049	-.00293	.00056	-.00977	-.00037
#2	-.00139	.00191	.00095	-.00160	-.00056	-.01089	.00046
#3	-.00136	.00199	-.00056	-.00036	-.00026	-.00114	.00095

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00005	.00036	-.00018	.00006	-.00058	-.00105
Stddev	.00003	.00001	.01408	.00034	.00016	.00016	.00281
%RSD	77.948	30.662	3951.1	189.44	247.35	26.631	267.80

#1	.00003	.00003	-.00211	-.00050	-.00007	-.00070	-.00426
#2	.00006	.00004	.01550	-.00022	.00002	-.00041	.00099
#3	.00001	.00006	-.01233	.00018	.00024	-.00064	.00012

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00077	.00042	.00025	.09639	-.00047	.00003
Stddev	.00006	.04049	.00036	.00041	.00471	.00025	.00000
%RSD	93.497	5263.0	86.535	163.41	4.8838	53.248	14.256

#1	.00007	-.04599	.00061	.00063	.10096	-.00068	.00004
#2	.00013	.02391	.00000	.00032	.09155	-.00055	.00003
#3	.00001	.02439	.00064	-.00019	.09666	-.00019	.00003

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07039	.00025	.01032	-.00040	.01971	-.00011	.00114
Stddev	.02388	.00009	.00789	.00065	.01305	.00009	.00123
%RSD	33.928	36.838	76.461	164.82	66.201	83.324	107.40

#1	.09656	.00026	.00147	-.00056	.00664	-.00017	.00211
#2	.06484	.00034	.01661	.00032	.03274	-.00015	-.00024
#3	.04977	.00015	.01287	-.00095	.01975	-.00001	.00155

Sample Name: CCB074 Acquired: 10/22/2018 17:11:49 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB074 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00188	-.0001	-.00001	F<.00000	F<.00000
Stddev	.00028	.0009	.00004	.01725	.13738
%RSD	15.113	1032.	511.17	15.894	182.53

#1	.00168	-.0011	-.00000	-.09269	.00172
#2	.00221	.0005	.00003	-.10598	-.23388
#3	.00176	.0003	-.00004	-.12690	.00636

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2668.5	58631.	4633.1	99.747	3408.9
Stddev	2.9	155.	32.5	1.696	5.3
%RSD	.11051	.26421	.70136	1.7006	.15637

#1	2665.3	58589.	4596.6	97.795	3403.0
#2	2668.9	58502.	4643.9	100.58	3410.2
#3	2671.2	58803.	4658.9	100.87	3413.5

Sample Name: PB113686BL Acquired: 10/22/2018 17:16:39 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PBW001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00099	.00055	.00038	.00070	.00102	-.01033	.00012
Stddev	.00092	.00085	.00013	.00171	.00120	.00485	.00015
%RSD	93.809	153.11	35.183	243.05	117.30	46.991	123.05

#1	-.00158	.00133	.00029	.00059	.00229	-.01356	.00008
#2	-.00146	-.00035	.00031	-.00095	.00086	-.00475	-.00001
#3	.00008	.00068	.00053	.00247	-.00009	-.01267	.00028

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00008	-.00241	-.00010	.00027	-.00097	.00518
Stddev	.00006	.00005	.00948	.00052	.00021	.00009	.00262
%RSD	393.38	65.999	393.50	516.80	76.515	9.6027	50.579

#1	.00009	.00002	-.01193	-.00058	.00042	-.00086	.00244
#2	-.00003	.00011	.00703	.00045	.00003	-.00105	.00767
#3	-.00002	.00012	-.00232	-.00017	.00036	-.00099	.00544

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.01603	.00053	-.00002	.02430	-.00028	-.00003
Stddev	.00002	.04766	.00054	.00023	.00490	.00032	.00005
%RSD	88.365	297.37	102.34	983.51	20.164	114.06	186.69

#1	.00003	.01611	.00099	-.00024	.02417	-.00030	-.00009
#2	.00004	-.03168	-.00006	-.00005	.02926	-.00059	.00001
#3	-.00000	.06365	.00065	.00022	.01946	.00005	-.00001

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00433	-.00010	.00922	-.00043	-.00320	-.00064	-.00058
Stddev	.01394	.00016	.00351	.00165	.01162	.00071	.00070
%RSD	321.61	153.42	38.039	385.80	363.06	111.65	120.09

#1	-.01849	-.00027	.00717	.00148	.00916	-.00068	-.00139
#2	-.00388	.00005	.01327	-.00135	-.00485	.00009	-.00010
#3	.00937	-.00009	.00722	-.00141	-.01391	-.00133	-.00027

Sample Name: PB113686BL Acquired: 10/22/2018 17:16:39 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PBW001 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	-.0003	-.00005	F<.00000	F<.00000
Stddev	.00114	.0006	.00006	.09981	.13147
%RSD	489.80	182.2	103.34	57.425	114.23

#1	-.00046	.0002	-.00012	-.28808	-.03459
#2	-.00124	-.0002	-.00002	-.12978	-.04388
#3	.00100	-.0009	-.00002	-.10359	-.26681

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2585.2	55810.	4652.6	101.28	3304.4
Stddev	6.1	2952.	29.4	2.63	11.5
%RSD	.23671	5.2888	.63201	2.6010	.34930

#1	2578.1	52433.	4627.2	99.177	3291.9
#2	2589.1	57099.	4645.8	100.42	3306.7
#3	2588.2	57898.	4684.8	104.23	3314.7

Sample Name: PB113686BS Acquired: 10/22/2018 17:21:30 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LCS001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01734	.05246	.02027	.07327	.11874	.40577	.41832	.00949
Stddev	.00167	.00121	.00145	.00350	.00113	.00437	.00155	.00008
%RSD	9.6002	2.3002	7.1452	4.7804	.95453	1.0765	.37106	.89124

#1	.01690	.05138	.01910	.07025	.11828	.40441	.41659	.00939
#2	.01919	.05376	.02189	.07711	.11791	.41066	.41957	.00955
#3	.01595	.05223	.01982	.07245	.12003	.40225	.41881	.00952

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00975	10.804	.02252	.09638	.05417	.21253	.03150	10.049
Stddev	.00010	.041	.00017	.00049	.00051	.00474	.00007	.043
%RSD	1.0717	.37524	.76196	.50850	.94159	2.2298	.20906	.42646

#1	.00981	10.758	.02233	.09613	.05432	.21799	.03144	10.046
#2	.00982	10.832	.02266	.09694	.05360	.20950	.03150	10.093
#3	.00963	10.823	.02258	.09606	.05458	.21009	.03157	10.008

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08064	.02044	10.022	.10476	.11934	9.9184	.02067	.01977
Stddev	.00120	.00034	.044	.00045	.00175	.0109	.00035	.01211
%RSD	1.4870	1.6709	.43919	.43103	1.4694	.11015	1.6859	61.245

#1	.08138	.02083	10.020	.10436	.12091	9.9061	.02028	.03179
#2	.08128	.02020	10.067	.10525	.11967	9.9270	.02096	.00757
#3	.07926	.02028	9.9790	.10466	.11745	9.9220	.02077	.01997

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07248	.20880	.01352	.20749	.09737	.0066	.20149	<.00000
Stddev	.00068	.01352	.00035	.00193	.00078	.0002	.00124	.05160
%RSD	.94362	6.4760	2.5693	.92828	.79948	3.274	.61565	74.774

#1	.07319	.21226	.01336	.20799	.09766	.0067	.20091	-.05481
#2	.07182	.19388	.01392	.20911	.09796	.0063	.20292	-.02599
#3	.07244	.22025	.01328	.20536	.09649	.0067	.20065	-.12622

Sample Name: PB113686BS Acquired: 10/22/2018 17:21:30 Type: Unk
 Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: LCS001 Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg <.00000
 Stddev .15287
 %RSD 137.68

#1 -.24072
 #2 -.14990
 #3 .05752

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2638.8	57999.	4656.7	101.16	3299.2
Stddev	2.7	111.	17.3	1.54	6.4
%RSD	.10125	.19176	.37201	1.5218	.19493

#1	2636.5	57870.	4667.1	99.979	3301.6
#2	2638.1	58060.	4636.7	100.60	3291.9
#3	2641.7	58066.	4666.4	102.90	3304.1

Sample Name: J5226-01 Acquired: 10/22/2018 17:26:18 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: MA3YT3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00226	.00221	-.00020	.00094	.00002	-.00456	.00028	.00006
Stddev	.00352	.00080	.00059	.00274	.00090	.00631	.00020	.00007
%RSD	156.14	36.007	300.60	292.95	4337.4	138.29	72.370	130.01

#1	-.00465	.00308	.00048	-.00144	-.00085	-.01177	.00016	.00009
#2	.00179	.00205	-.00059	.00031	.00095	-.00002	.00017	-.00003
#3	-.00391	.00151	-.00047	.00394	-.00004	-.00190	.00051	.00011

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00806	-.00040	.00028	.00573	.03859	.00074	.01144
Stddev	.00004	.01438	.00045	.00010	.00024	.01073	.00005	.04005
%RSD	83.776	178.43	113.12	34.156	4.1283	27.797	7.1599	349.96

#1	.00008	-.00714	-.00018	.00024	.00600	.03075	.00077	-.01940
#2	.00000	.02144	-.00010	.00039	.00558	.03421	.00077	-.00297
#3	.00005	.00987	-.00091	.00021	.00561	.05082	.00068	.05670

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.00013	-.09540	-.00024	.00123	-.06044	-.00034	-.00180
Stddev	.00014	.00063	.00240	.00015	.00004	.01986	.00016	.00339
%RSD	24.333	494.03	2.5119	63.870	3.1646	32.863	45.606	188.36

#1	.00043	.00085	-.09759	-.00010	.00127	-.08260	-.00052	-.00199
#2	.00072	-.00015	-.09576	-.00022	.00119	-.04423	-.00030	-.00509
#3	.00062	-.00031	-.09284	-.00040	.00124	-.05449	-.00021	.00168

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00154	.02898	-.00108	-.00075	-.00190	-.0002	-.00002	<.00000
Stddev	.00026	.00521	.00080	.00044	.00070	.0003	.00006	.00847
%RSD	16.968	17.985	73.856	57.953	37.014	173.3	379.05	22.751

#1	.00161	.03465	-.00018	-.00109	-.00228	-.0006	.00002	-.03146
#2	.00176	.02438	-.00170	-.00026	-.00109	.0001	.00002	-.04695
#3	.00125	.02792	-.00135	-.00091	-.00234	-.0001	-.00009	-.03327

Sample Name: J5226-01 Acquired: 10/22/2018 17:26:18 Type: Unk
 Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: MA3YT3 Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg <.00000
 Stddev .09640
 %RSD 85.335

#1 -.02990
 #2 -.09032
 #3 -.21866

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2731.3	60720.	4712.4	102.41	3507.2
Stddev	31.6	203.	27.3	1.03	44.3
%RSD	1.1583	.33451	.58002	1.0099	1.2637

#1	2698.5	60589.	4740.0	101.21	3460.8
#2	2761.7	60954.	4685.3	103.06	3549.1
#3	2733.5	60617.	4711.9	102.95	3511.8

Sample Name: CCV075 Acquired: 10/22/2018 17:31:09 Type: Unk

Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000

User: Bin He Custom ID1: CCV075 Custom ID2: Custom ID3:

Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0306	4.8952	24.839	4.9884	5.0415	410.19	9.9803	.49451
Stddev	.0148	.0144	.053	.0156	.0113	1.62	.0244	.00147
%RSD	.29348	.29346	.21432	.31288	.22441	.39499	.24434	.29722
#1	5.0266	4.8949	24.832	4.9821	5.0358	408.50	9.9528	.49538
#2	5.0182	4.8810	24.789	4.9770	5.0341	411.73	9.9887	.49534
#3	5.0469	4.9097	24.895	5.0062	5.0545	410.34	9.9994	.49281
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5102	400.90	14.872	2.5074	14.747	417.35	14.168	411.22
Stddev	.0037	.55	.018	.0028	.022	12.30	.075	.77
%RSD	.14607	.13708	.12050	.11020	.14864	2.9465	.52708	.18843
#1	2.5103	400.26	14.852	2.5081	14.749	414.75	14.083	410.36
#2	2.5065	401.24	14.887	2.5044	14.724	406.56	14.222	411.85
#3	2.5138	401.19	14.875	2.5098	14.768	430.73	14.200	411.47
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5198	1.2575	407.73	2.4293	14.688	152.34	4.9323	4.9953
Stddev	.0092	.0022	3.03	.0008	.510	.20	.0112	.0101
%RSD	.36328	.17793	.74258	.03254	3.4700	.13247	.22624	.20275
#1	2.5189	1.2570	409.87	2.4302	14.678	152.10	4.9359	4.9955
#2	2.5111	1.2556	404.27	2.4288	14.183	152.44	4.9198	4.9850
#3	2.5294	1.2600	409.05	2.4288	15.202	152.47	4.9413	5.0053
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 17.668	4.9545	5.0205	4.9742	5.0428	F 16.68	4.9048	F 9.4787
Stddev	.016	.0269	.0173	.0053	.0077	.03	.0168	.0478
%RSD	.08817	.54264	.34457	.10557	.15341	.1971	.34245	.50461
#1	17.666	4.9300	5.0096	4.9791	5.0345	16.66	4.8856	9.5337
#2	17.653	4.9833	5.0114	4.9687	5.0442	16.66	4.9122	9.4475
#3	17.684	4.9502	5.0404	4.9749	5.0498	16.71	4.9166	9.4547

Sample Name: CCV075 Acquired: 10/22/2018 17:31:09 Type: Unk
 Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCV075 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 26.953
Stddev	.103
%RSD	.38331

#1	27.047
#2	26.971
#3	26.842

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2205.5	50169.	4467.7	87.569	2374.1
Stddev	1.5	149.	12.2	2.541	4.1
%RSD	.06794	.29747	.27412	2.9013	.17400

#1	2206.6	50231.	4453.7	87.666	2378.2
#2	2206.2	49998.	4473.4	90.060	2374.0
#3	2203.8	50277.	4476.1	84.982	2370.0

Sample Name: CCB075 Acquired: 10/22/2018 17:35:54 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB075 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00414	.00014	-.00032	.00057	.00064	-.01001	-.00003
Stddev	.00316	.00121	.00021	.00234	.00118	.00117	.00029
%RSD	76.369	895.70	66.337	413.14	183.16	11.654	844.27

#1	-.00049	-.00091	-.00008	-.00159	.00200	-.00905	.00028
#2	-.00606	-.00016	-.00041	.00306	.00007	-.01131	-.00030
#3	-.00585	.00147	-.00047	.00024	-.00014	-.00968	-.00008

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00002	.00391	-.00062	.00006	-.00017	-.00731
Stddev	.00011	.00006	.00511	.00025	.00004	.00034	.00738
%RSD	160.81	257.72	130.49	39.828	70.962	202.21	101.01

#1	.00019	-.00004	-.00168	-.00074	.00010	-.00052	-.00338
#2	.00001	.00004	.00833	-.00079	.00007	-.00014	-.00272
#3	.00000	.00008	.00509	-.00034	.00002	.00016	-.01583

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.02783	.00060	-.00001	.09609	-.00050	.00005
Stddev	.00002	.03763	.00016	.00040	.00780	.00057	.00009
%RSD	69.060	135.21	26.137	6029.1	8.1160	113.27	183.06

#1	.00001	.02397	.00077	-.00021	.10359	-.00033	.00013
#2	.00004	.06724	.00054	.00046	.09667	-.00114	.00005
#3	.00006	-.00772	.00048	-.00026	.08802	-.00004	-.00004

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04273	.00020	.00661	.00076	.02812	-.00027	.00083
Stddev	.03699	.00008	.00199	.00014	.02654	.00021	.00154
%RSD	86.567	38.362	30.076	19.046	94.404	75.913	185.99

#1	.01981	.00011	.00665	.00091	.02855	-.00004	.00127
#2	.08539	.00023	.00859	.00062	.05444	-.00042	.00210
#3	.02297	.00025	.00461	.00074	.00136	-.00036	-.00088

Sample Name: CCB075 Acquired: 10/22/2018 17:35:54 Type: Unk
Method: EPA-ISM02.4(v4) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB075 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00168	-.0001	-.00002	F<.00000	<.00000
Stddev	.00128	.0005	.00007	.04339	.06618
%RSD	76.164	914.0	375.42	43.635	3059.1

#1	.00203	-.0006	.00003	-.08207	-.04926
#2	.00026	.0005	-.00009	-.14883	.07350
#3	.00274	-.0001	.00001	-.06743	-.03072

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2654.1	58941.	4670.6	100.68	3392.3
Stddev	4.8	146.	13.3	2.74	2.1
%RSD	.17975	.24717	.28397	2.7256	.06325

#1	2652.5	58840.	4655.3	97.686	3389.8
#2	2659.5	58876.	4678.6	101.27	3393.0
#3	2650.4	59108.	4678.0	103.08	3393.9