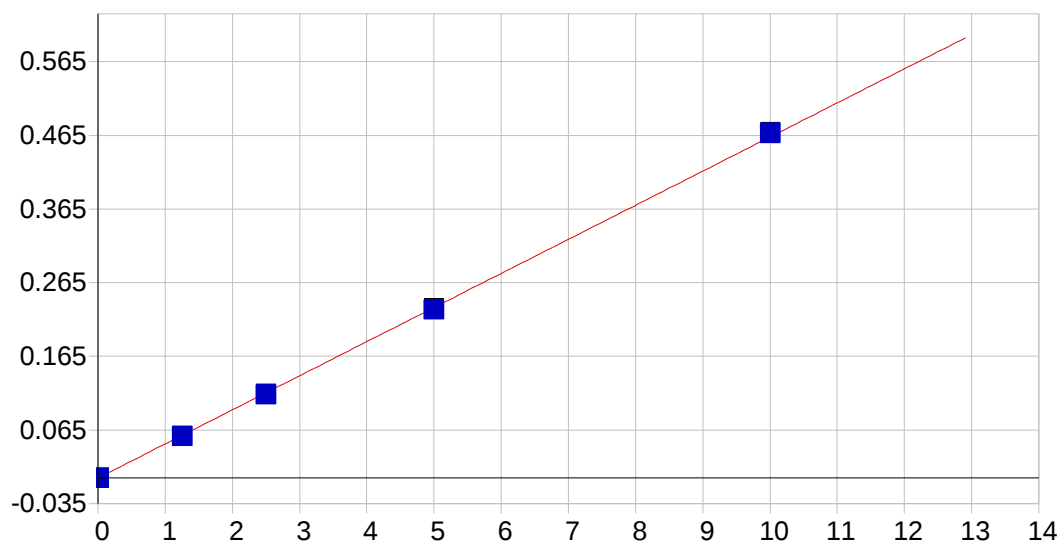


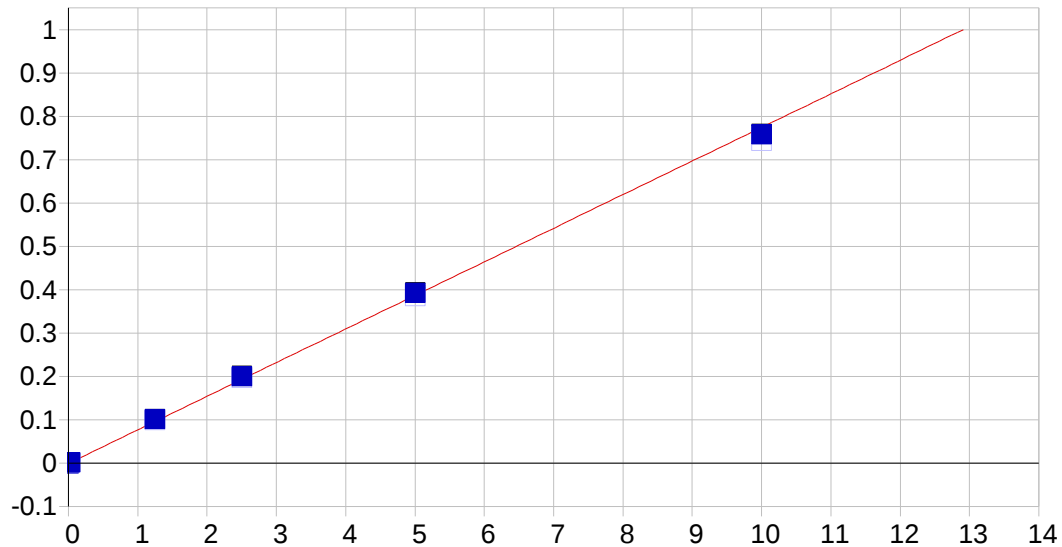


As 189.042 {479}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000234 Re-Slope: 1.000000
 A1 (Gain): 0.046295 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999908 Status: OK.
 Std Error of Est: 0.000010
 Predicted MDL: 0.002823
 Predicted MQL: 0.009410

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00023	.000	1
S1	.01000	.01134	.001	13.4	.00029	.000	1
S2	1.2500	1.2246	-.025	-2.03	.05625	.000	1
S3	2.5000	2.4554	-.045	-1.78	.11303	.000	1
S4	5.0000	4.9496	-.050	-1.01	.22808	.001	1
S5	10.000	10.119	.119	1.19	.46658	.001	1

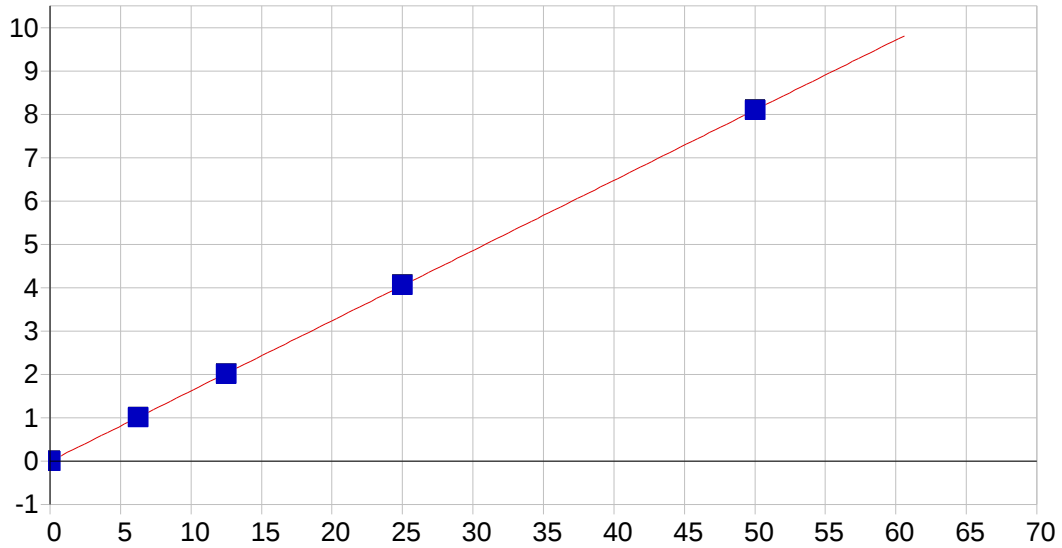


TI 190.856 {477}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000630 Re-Slope: 1.000000
 A1 (Gain): 0.077543 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999673 Status: OK.
 Std Error of Est: 0.000052
 Predicted MDL: 0.001704
 Predicted MQL: 0.005681

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00063	.000	1
S1	.02500	.02793	.003	11.7	.00145	.000	1
S2	1.2500	1.3072	.057	4.58	.09895	.001	1
S3	2.5000	2.5907	.091	3.63	.19669	.001	1
S4	5.0000	5.0660	.066	1.32	.38505	.001	1
S5	10.000	9.7832	-.217	-2.17	.74370	.001	1

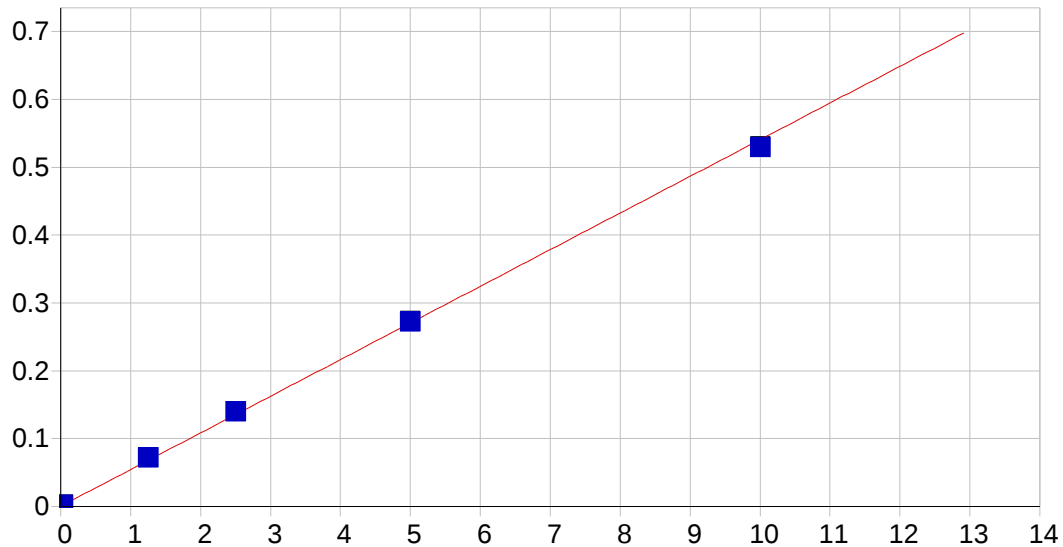


Pb 220.353 {453}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000276 Re-Slope: 1.000000
 A1 (Gain): 0.161909 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999996 Status: OK.
 Std Error of Est: 0.000016
 Predicted MDL: 0.001665
 Predicted MQL: 0.005552

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00028	.000	1
S1	.01000	.00919	-.001	-8.12	.00121	.000	1
S2	6.2500	6.2107	-.039	-.628	1.0052	.000	1
S3	12.500	12.449	-.051	-.411	2.0151	.004	1
S4	25.000	25.054	.054	.216	4.0558	.016	1
S5	50.000	50.037	.037	.075	8.1004	.006	1

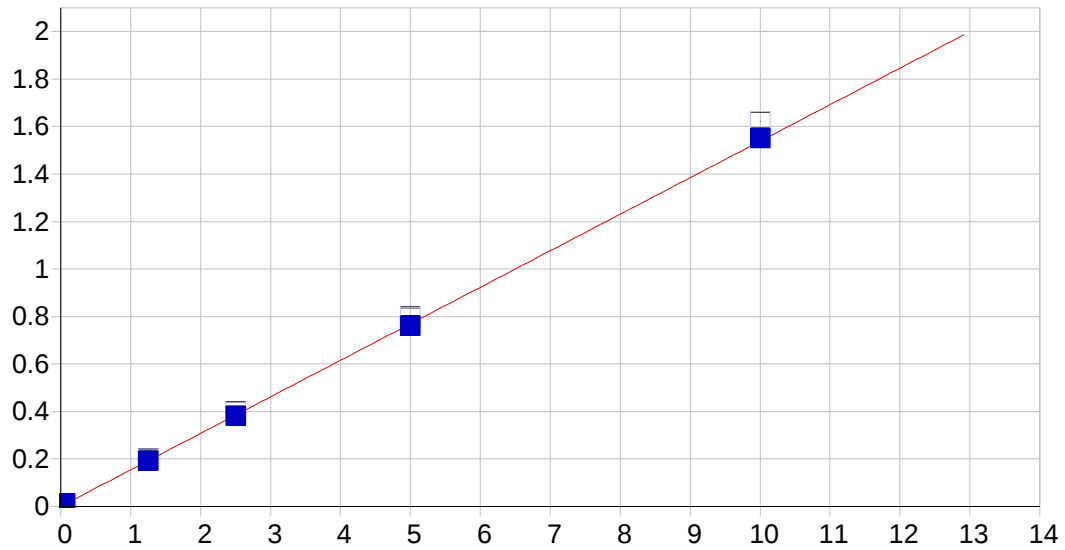


Se 196.090 {472}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000385 Re-Slope: 1.000000
 A1 (Gain): 0.054029 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999687 Status: OK.
 Std Error of Est: 0.000042
 Predicted MDL: 0.002922
 Predicted MQL: 0.009740

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.00038	.000	1
S1	.03500	.03880	.004	10.9	.00248	.000	1
S2	1.2500	1.3223	.072	5.78	.07165	.000	1
S3	2.5000	2.5854	.085	3.42	.13972	.000	1
S4	5.0000	5.0362	.036	.724	.27177	.001	1
S5	10.000	9.8022	-.198	-1.98	.52857	.001	1

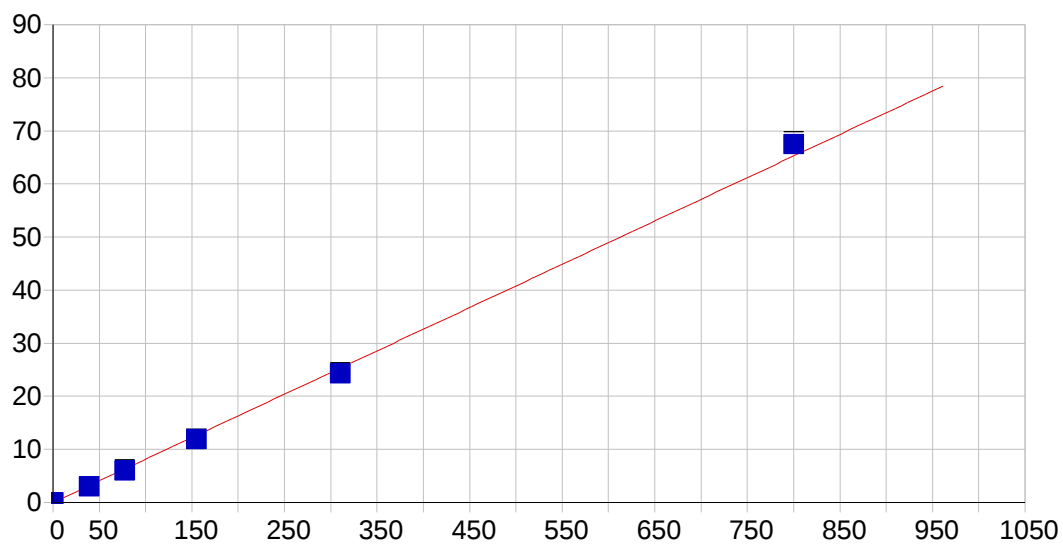


Sb 206.833 {463}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000317 Re-Slope: 1.000000
 A1 (Gain): 0.153810 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999944 Status: OK.
 Std Error of Est: 0.000070
 Predicted MDL: 0.001458
 Predicted MQL: 0.004861

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.00032	.000	1
S1	.06000	.06662	.007	11.0	.01057	.000	1
S2	1.2500	1.2484	-.002	-.130	.20118	.001	1
S3	2.5000	2.4696	-.030	-1.21	.39788	.001	1
S4	5.0000	4.9464	-.054	-1.07	.79654	.002	1
S5	10.000	10.079	.079	.792	1.6214	.001	1

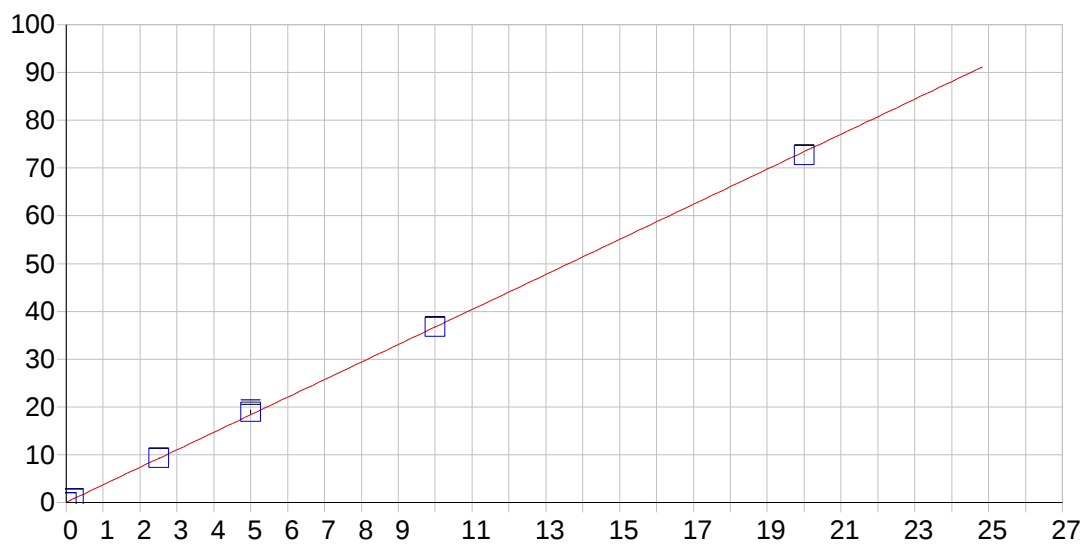


AI 396.152 { 85}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004463 Re-Slope: 1.000000
 A1 (Gain): 0.081568 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999225 Status: OK.
 Std Error of Est: 0.001999
 Predicted MDL: 0.014468
 Predicted MQL: 0.048227

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00005	.000	.000	.00447	.001	1
S1	.20000	.18555	-.014	-7.22	.01988	.001	1
S2	38.750	36.964	-1.79	-4.61	3.0259	.008	1
S3	77.500	73.875	-3.63	-4.68	6.0429	.110	1
S4	155.00	146.25	-8.75	-5.65	11.959	.067	1
S5	310.00	297.47	-12.5	-4.04	24.319	.158	1
S6	800.00	826.75	26.7	3.34	67.481	.540	1

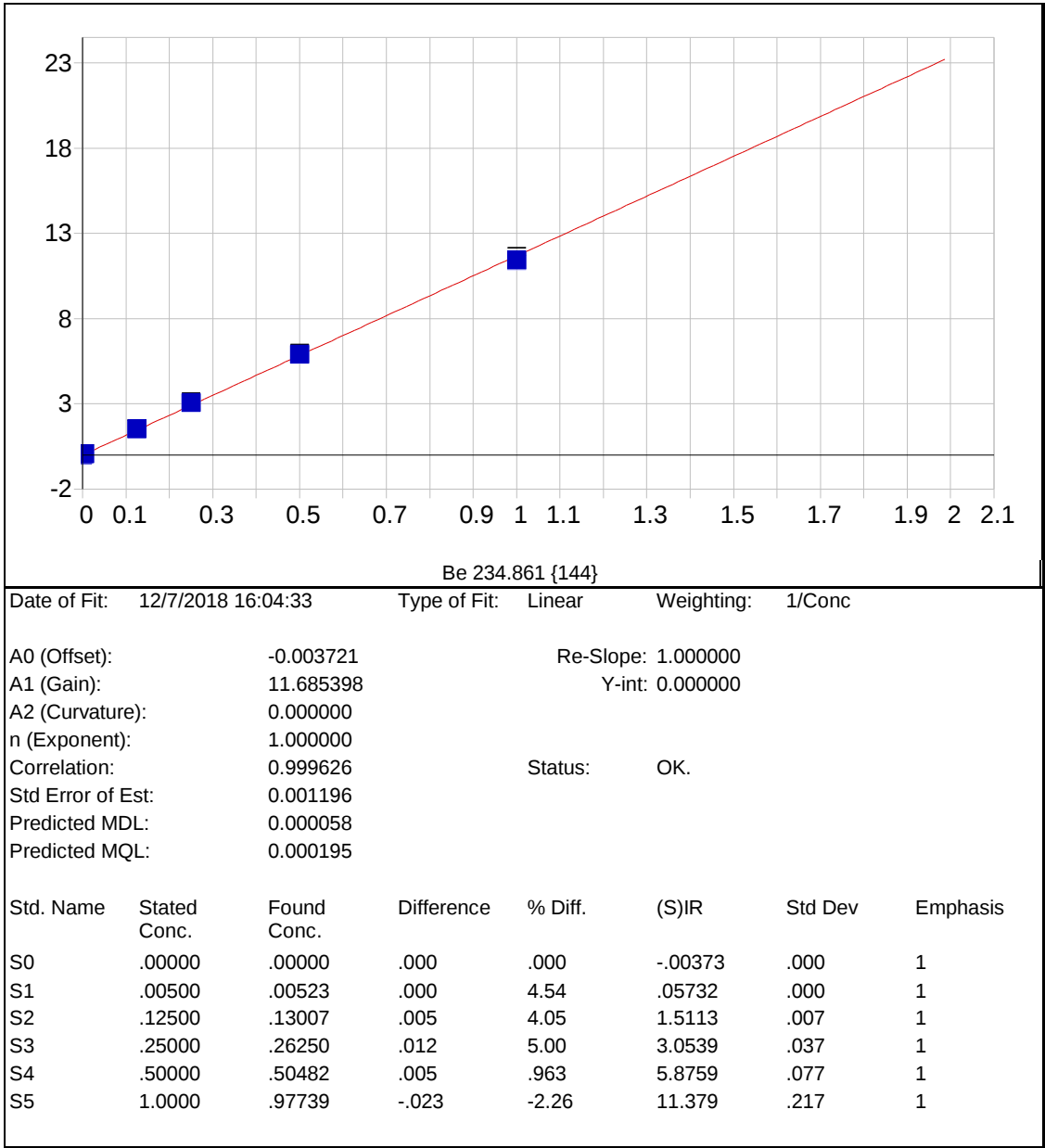


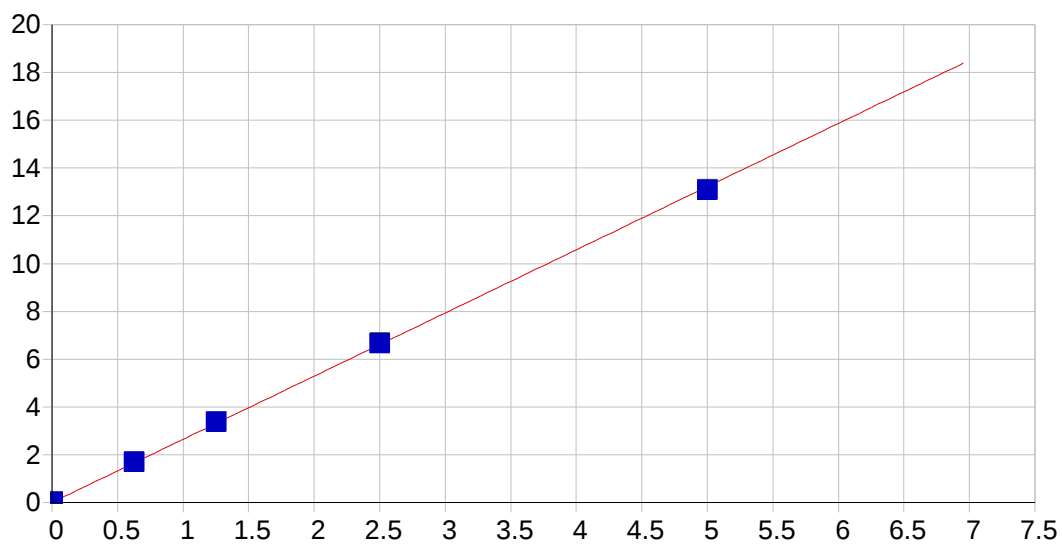
Ba 493.409 { 68}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.030286 Re-Slope: 1.000000
 A1 (Gain): 3.669566 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999900 Status: OK.
 Std Error of Est: 0.005518
 Predicted MDL: 0.000961
 Predicted MQL: 0.003204

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	.000	.000	.03022	.003	1
S1	.20000	.21103	.011	5.52	.80468	.000	1
S2	2.5000	2.5155	.015	.618	9.2609	.014	1
S3	5.0000	5.1556	.156	3.11	18.949	.409	1
S4	10.000	10.017	.017	.165	36.787	.095	1
S5	20.000	19.801	-.199	-.993	72.693	.068	1



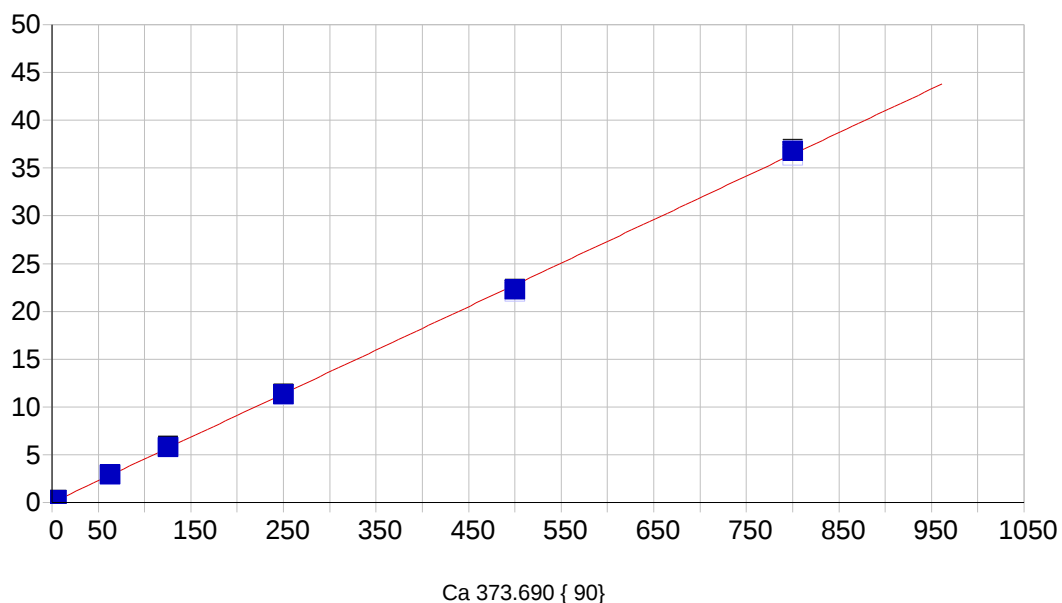


Cd 214.438 {457}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000430 Re-Slope: 1.000000
 A1 (Gain): 2.644437 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999917 Status: OK.
 Std Error of Est: 0.000286
 Predicted MDL: 0.000080
 Predicted MQL: 0.000267

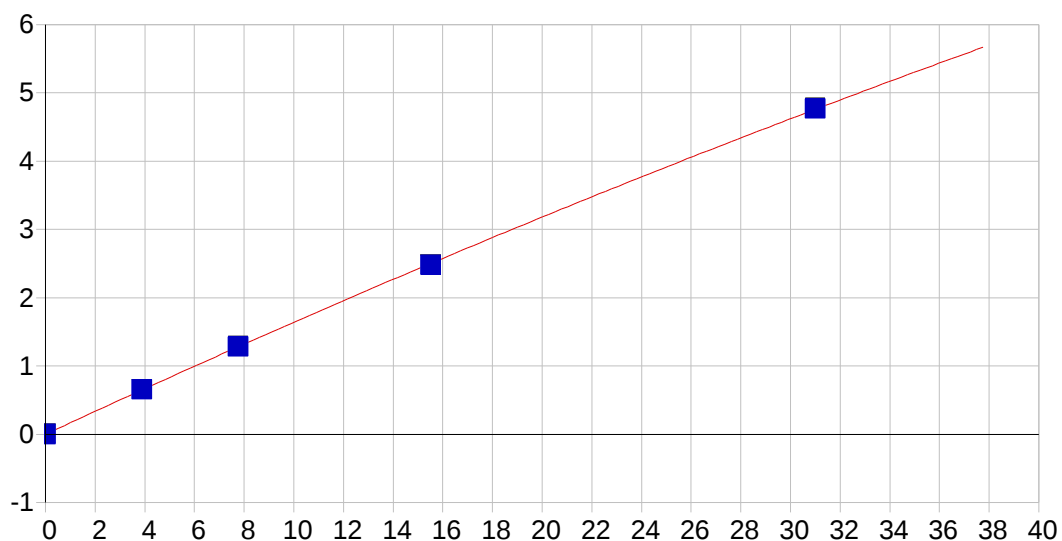
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00043	.000	1
S1	.00500	.00539	.000	7.72	.01468	.000	1
S2	.62500	.64100	.016	2.56	1.6981	.004	1
S3	1.2500	1.2739	.024	1.91	3.3743	.002	1
S4	2.5000	2.5140	.014	.560	6.6587	.015	1
S5	5.0000	4.9457	-.054	-1.09	13.099	.012	1



Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001922 Re-Slope: 1.000000
 A1 (Gain): 0.045543 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999878 Status: OK.
 Std Error of Est: 0.002452
 Predicted MDL: 0.020447
 Predicted MQL: 0.068158

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00041	.000	.000	.00190	.001	1
S1	5.0000	5.3101	.310	6.20	.24369	.001	1
S2	62.500	63.676	1.18	1.88	2.8764	.002	1
S3	125.00	127.16	2.16	1.73	5.7424	.110	1
S4	250.00	248.82	-1.18	-.471	11.232	.054	1
S5	500.00	489.06	-10.9	-2.19	22.071	.074	1
S6	800.00	808.52	8.52	1.07	36.281	.162	1

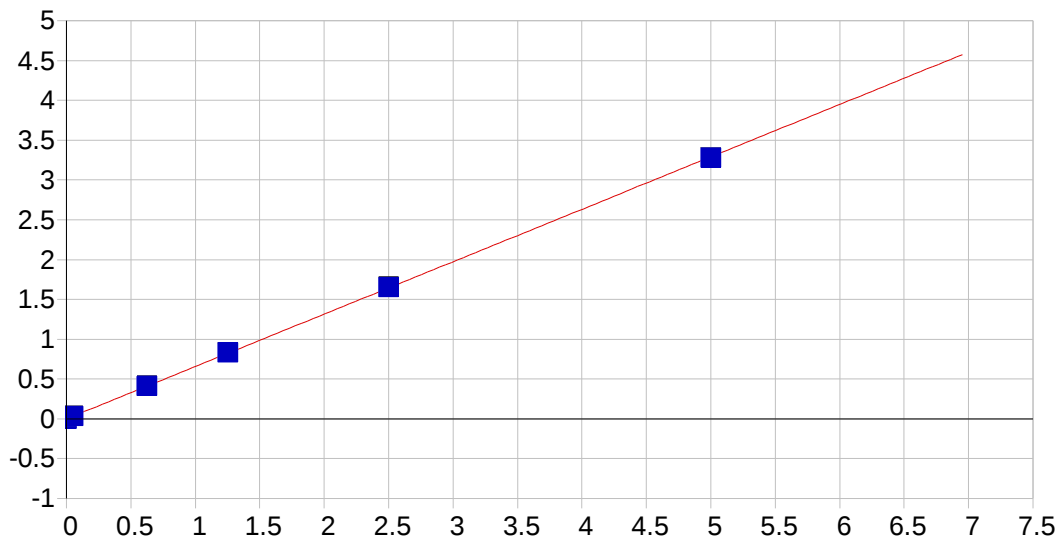


Cr 267.716 {126}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000057 Re-Slope: 1.000000
 A1 (Gain): 0.169154 Y-int: 0.000000
 A2 (Curvature): -0.000503
 n (Exponent): 1.000000
 Correlation: 0.999985 Status: OK.
 Std Error of Est: 0.000030
 Predicted MDL: 0.000491
 Predicted MQL: 0.001636

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00006	.000	1
S1	.01000	.01161	.002	16.1	.00191	.000	1
S2	3.8750	3.9089	.034	.876	.65366	.001	1
S3	7.7500	7.7847	.035	.447	1.2866	.004	1
S4	15.500	15.378	-.122	-.788	2.4830	.004	1
S5	31.000	31.053	.053	.170	4.7691	.007	1

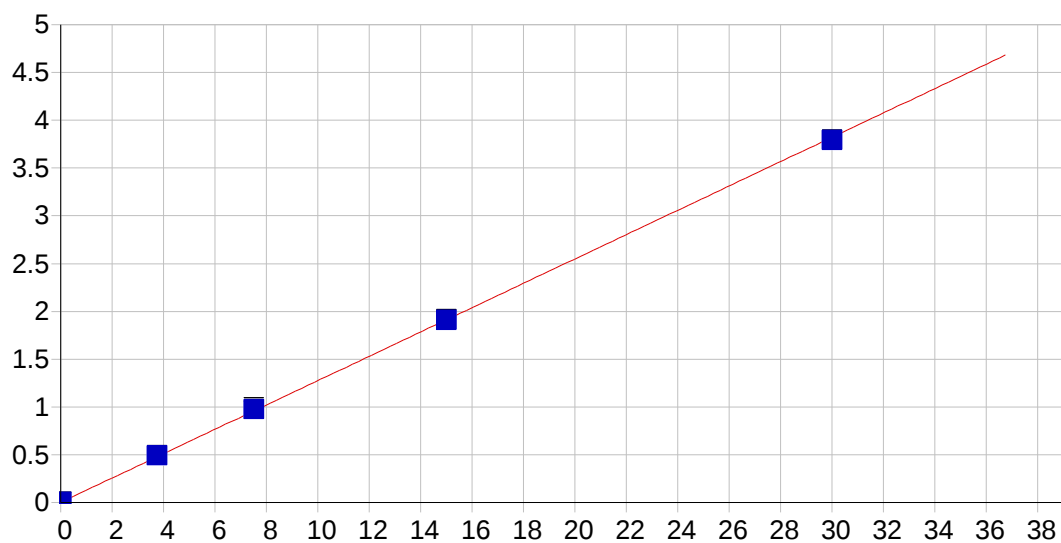


Co 228.616 {448}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000096 Re-Slope: 1.000000
 A1 (Gain): 0.657892 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986 Status: OK.
 Std Error of Est: 0.000091
 Predicted MDL: 0.000277
 Predicted MQL: 0.000923

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00009	.000	1
S1	.05000	.05133	.001	2.66	.03398	.000	1
S2	.62500	.62778	.003	.445	.41376	.000	1
S3	1.2500	1.2604	.010	.830	.83059	.002	1
S4	2.5000	2.5077	.008	.307	1.6525	.004	1
S5	5.0000	4.9778	-.022	-.443	3.2802	.000	1

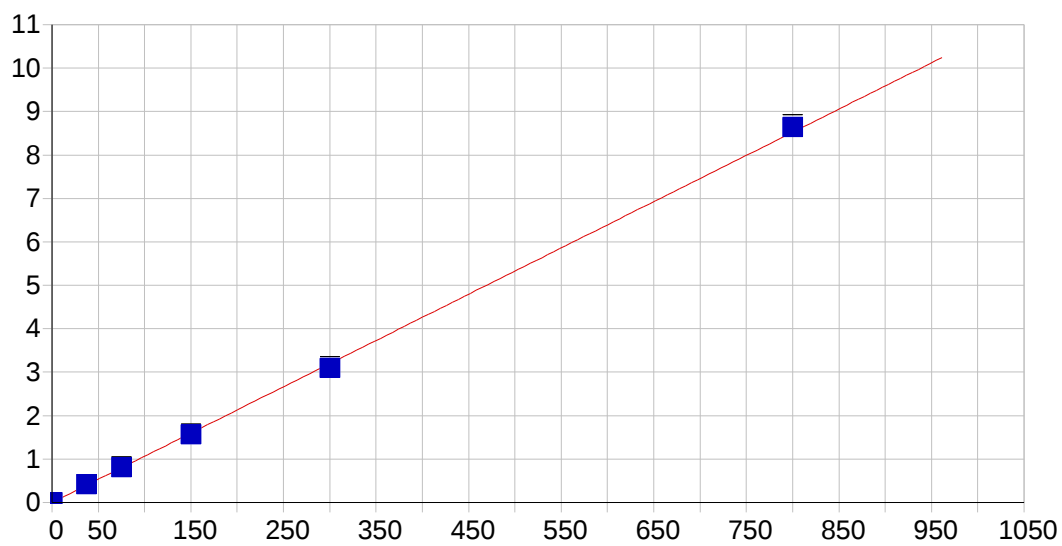


Cu 324.754 {104}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001421 Re-Slope: 1.000000
 A1 (Gain): 0.127342 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999933 Status: OK.
 Std Error of Est: 0.000067
 Predicted MDL: 0.004663
 Predicted MQL: 0.015542

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00142	.000	1
S1	.02500	.02387	-.001	-4.53	.00446	.001	1
S2	3.7500	3.8458	.096	2.55	.49080	.001	1
S3	7.5000	7.6544	.154	2.06	.97544	.018	1
S4	15.000	14.983	-.017	-.115	1.9079	.007	1
S5	30.000	29.768	-.232	-.773	3.7893	.004	1

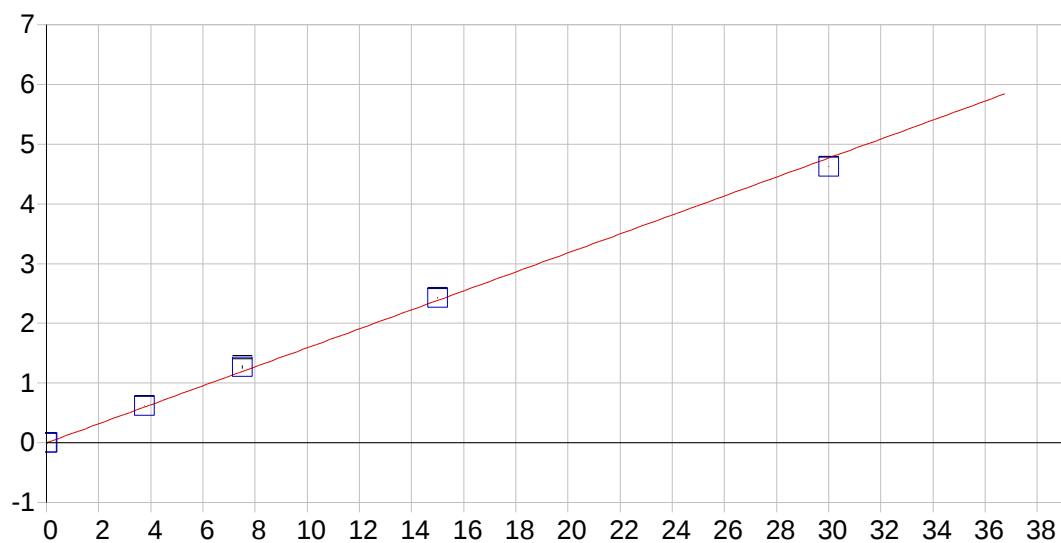


Fe 259.837 {130}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000260 Re-Slope: 1.000000
 A1 (Gain): 0.010654 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999795 Status: OK.
 Std Error of Est: 0.000094
 Predicted MDL: 0.025648
 Predicted MQL: 0.085495

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.00026	.000	1
S1	.10000	.11033	.010	10.3	.00148	.000	1
S2	37.500	38.514	1.01	2.71	.41143	.002	1
S3	75.000	75.805	.805	1.07	.80955	.016	1
S4	150.00	146.95	-3.05	-2.03	1.5692	.016	1
S5	300.00	290.30	-9.70	-3.23	3.0998	.034	1
S6	800.00	810.92	10.9	1.37	8.6507	.056	1

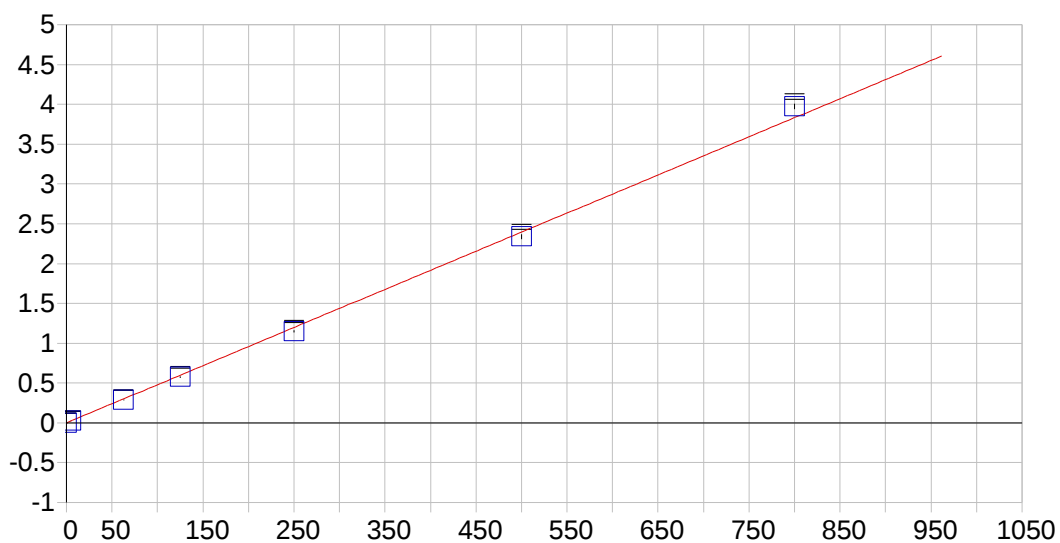


Mn 257.610 {131}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000050 Re-Slope: 1.000000
 A1 (Gain): 0.158916 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999379 Status: OK.
 Std Error of Est: 0.000199
 Predicted MDL: 0.001563
 Predicted MQL: 0.005208

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00005	.000	1
S1	.01500	.01842	.003	22.8	.00298	.000	1
S2	3.7500	3.9080	.158	4.21	.62109	.002	1
S3	7.5000	7.9778	.478	6.37	1.2678	.027	1
S4	15.000	15.267	.267	1.78	2.4262	.007	1
S5	30.000	29.094	-.906	-3.02	4.6236	.005	1

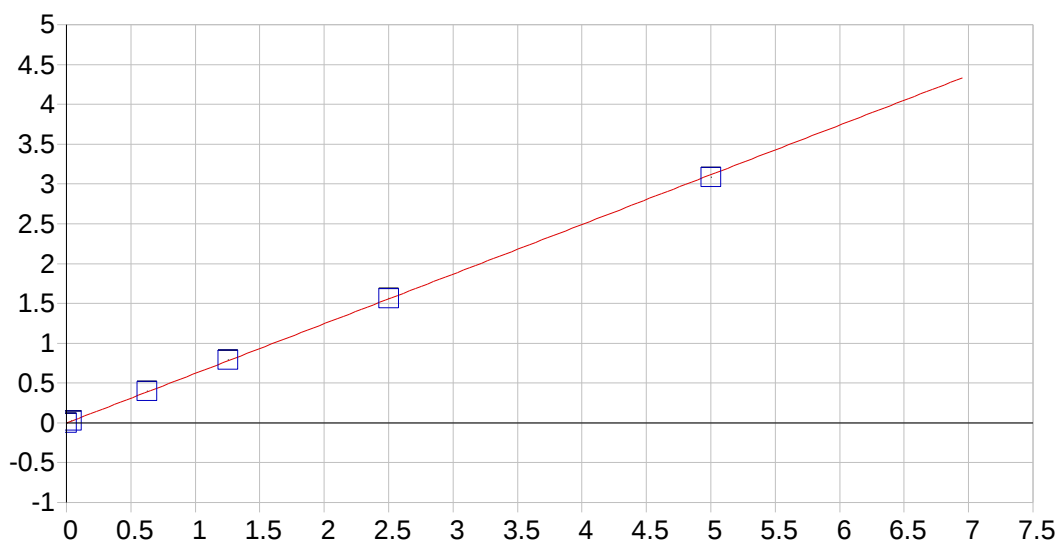


Mg 279.079 {121}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000088 Re-Slope: 1.000000
 A1 (Gain): 0.004789 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999387 Status: OK.
 Std Error of Est: 0.000586
 Predicted MDL: 0.068211
 Predicted MQL: 0.227370

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00073	.001	.000	-.00008	.000	1
S1	5.0000	4.8154	-.185	-3.69	.02297	.001	1
S2	62.500	59.858	-2.64	-4.23	.28659	.002	1
S3	125.00	120.10	-4.90	-3.92	.57511	.008	1
S4	250.00	239.60	-10.4	-4.16	1.1475	.013	1
S5	500.00	488.22	-11.8	-2.36	2.3382	.031	1
S6	800.00	829.91	29.9	3.74	3.9747	.033	1

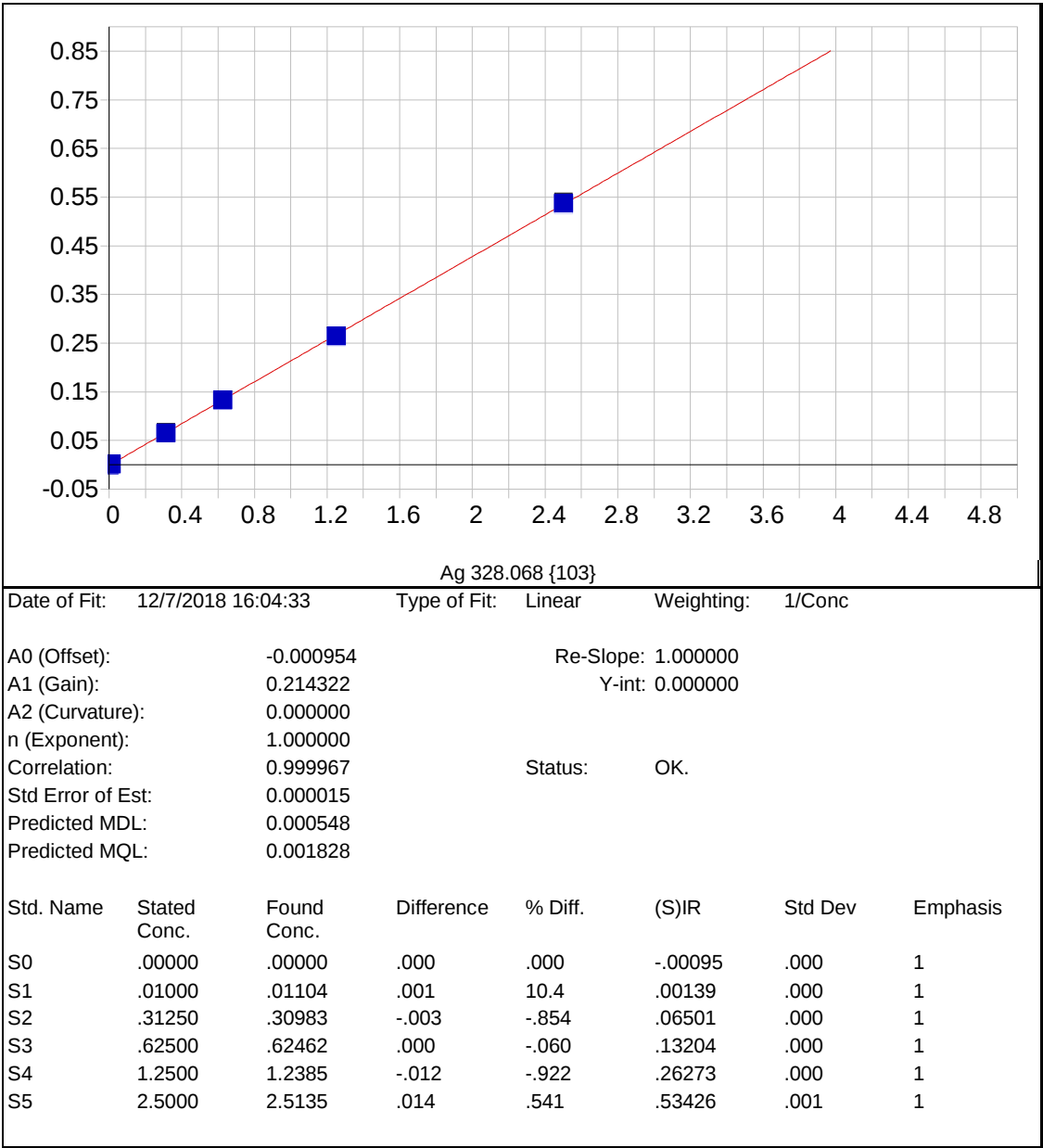


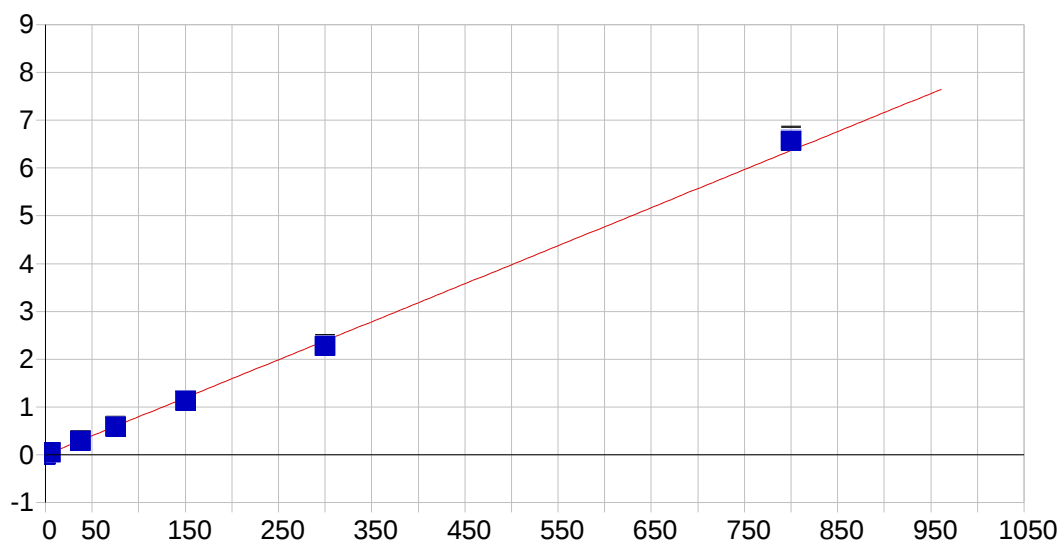
Ni 231.604 {446}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001627 Re-Slope: 1.000000
 A1 (Gain): 0.623329 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999924 Status: OK.
 Std Error of Est: 0.000183
 Predicted MDL: 0.000383
 Predicted MQL: 0.001277

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00163	.000	1
S1	.04000	.04305	.003	7.64	.02521	.000	1
S2	.62500	.63763	.013	2.02	.39583	.000	1
S3	1.2500	1.2709	.021	1.67	.79057	.002	1
S4	2.5000	2.5142	.014	.568	1.5655	.005	1
S5	5.0000	4.9492	-.051	-1.02	3.0834	.001	1



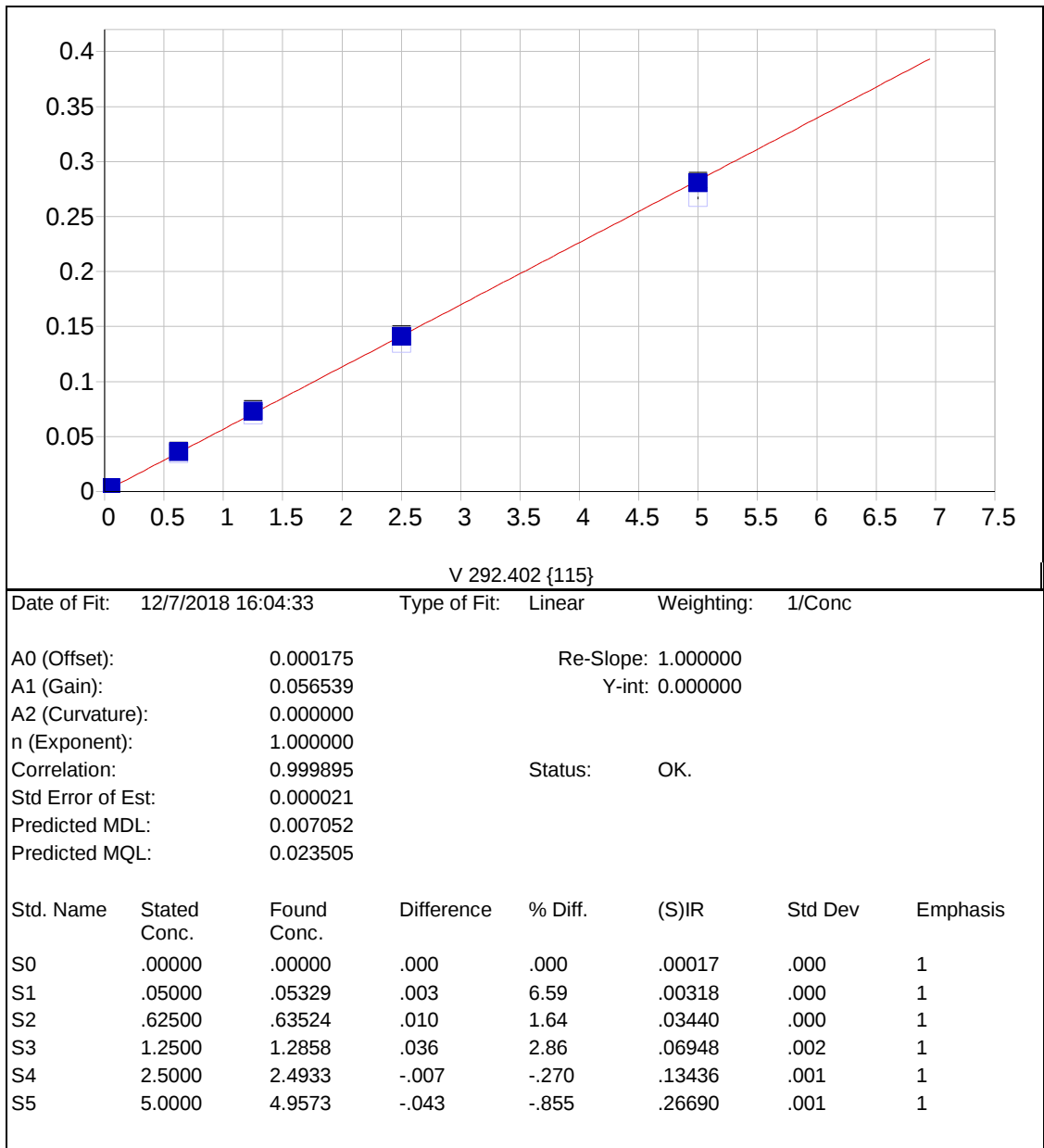


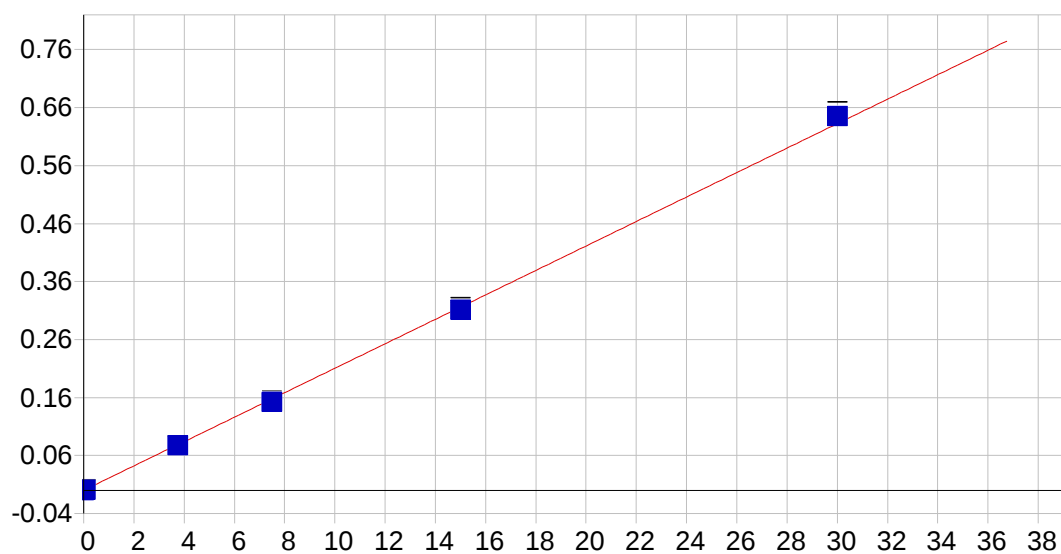
Na 818.326 { 41}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001214 Re-Slope: 1.000000
 A1 (Gain): 0.007957 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999252 Status: OK.
 Std Error of Est: 0.000956
 Predicted MDL: 0.326626
 Predicted MQL: 1.088753

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00044	.000	.000	-.00121	.000	1
S1	5.0000	5.1669	.167	3.34	.03990	.002	1
S2	37.500	36.539	-.961	-2.56	.29084	.002	1
S3	75.000	73.334	-1.67	-2.22	.58493	.010	1
S4	150.00	141.48	-8.52	-5.68	1.1298	.009	1
S5	300.00	285.49	-14.5	-4.84	2.2809	.022	1
S6	800.00	825.50	25.5	3.19	6.5952	.075	1



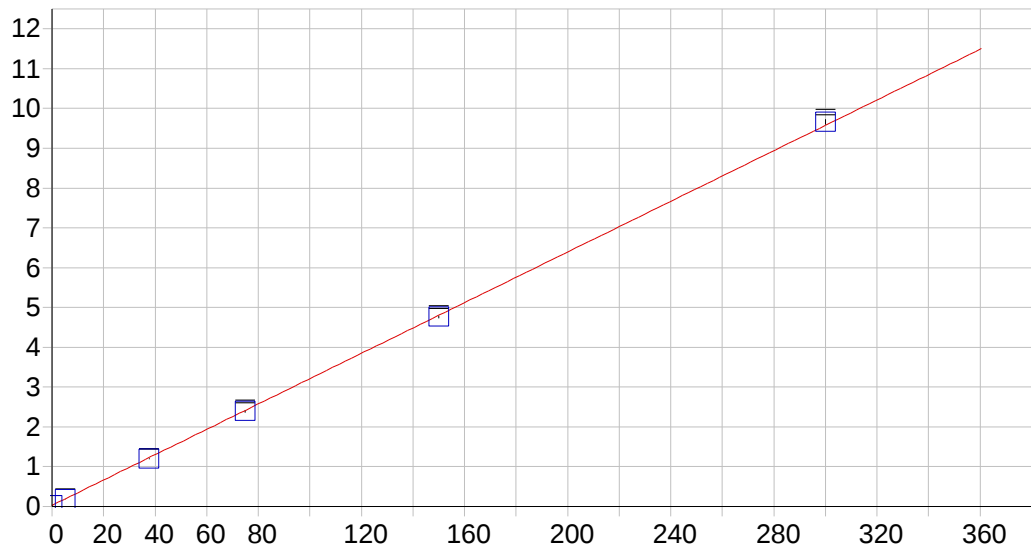


Zn 213.856 {158}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000235 Re-Slope: 1.000000
 A1 (Gain): 0.021088 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999754 Status: OK.
 Std Error of Est: 0.000033
 Predicted MDL: 0.015037
 Predicted MQL: 0.050125

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00023	.001	1
S1	.06000	.06097	.001	1.61	.00105	.000	1
S2	3.7500	3.6578	-.092	-2.46	.07703	.000	1
S3	7.5000	7.2321	-.268	-3.57	.15254	.002	1
S4	15.000	14.758	-.242	-1.61	.31150	.004	1
S5	30.000	30.601	.601	2.00	.64613	.008	1

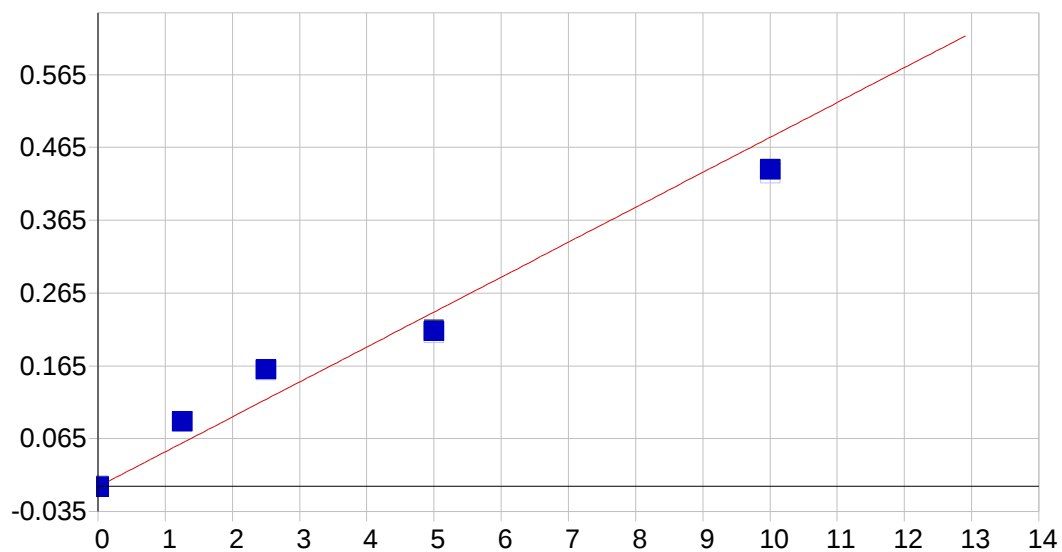


K 769.896 { 44}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.028931 Re-Slope: 1.000000
 A1 (Gain): 0.031825 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999947 Status: OK.
 Std Error of Est: 0.000675
 Predicted MDL: 0.072902
 Predicted MQL: 0.243007

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00022	.000	.000	.02894	.000	1
S1	5.0000	4.9248	-.075	-1.50	.18566	.003	1
S2	37.500	36.763	-.737	-1.97	1.1989	.006	1
S3	75.000	74.230	-.770	-1.03	2.3913	.038	1
S4	150.00	148.77	-1.23	-.820	4.7635	.038	1
S5	300.00	302.81	2.81	.938	9.6659	.068	1

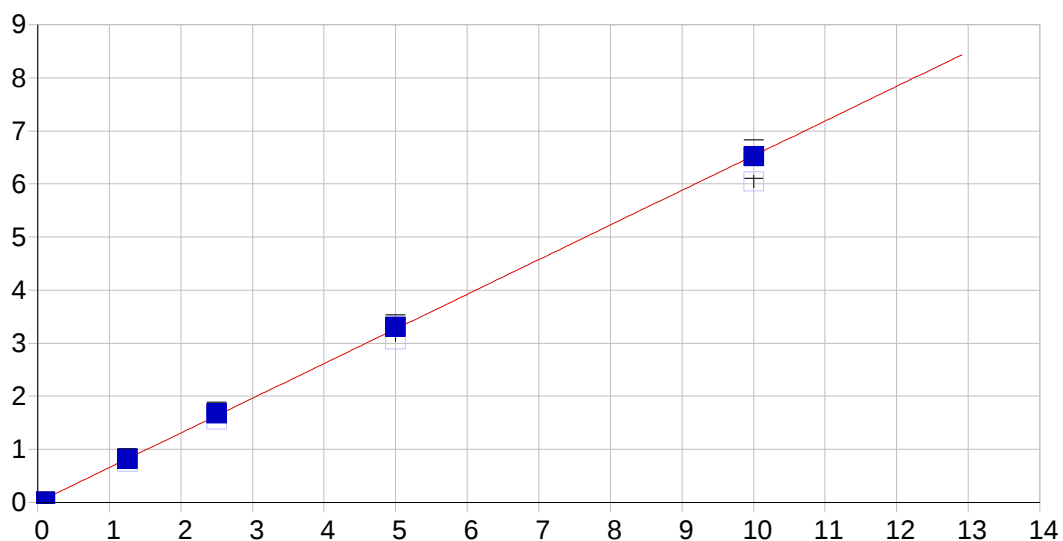


P 177.495 {490}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001066 Re-Slope: 1.000000
 A1 (Gain): 0.047993 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.980375 Status: OK.
 Std Error of Est: 0.000160
 Predicted MDL: 0.002091
 Predicted MQL: 0.006970

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00107	.000	1
S1	.01000	.00729	-.003	-27.1	-.00072	.000	1
S2	1.2500	1.8658	.616	49.3	.08781	.000	1
S3	2.5000	3.3555	.856	34.2	.15863	.000	1
S4	5.0000	4.4524	-.548	-11.0	.20993	.002	1
S5	10.000	9.0789	-.921	-9.21	.42928	.000	1



Date of Fit: 12/7/2018 16:04:33

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.004595

Re-Slope: 1.000000

A1 (Gain): 0.652857

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.997268

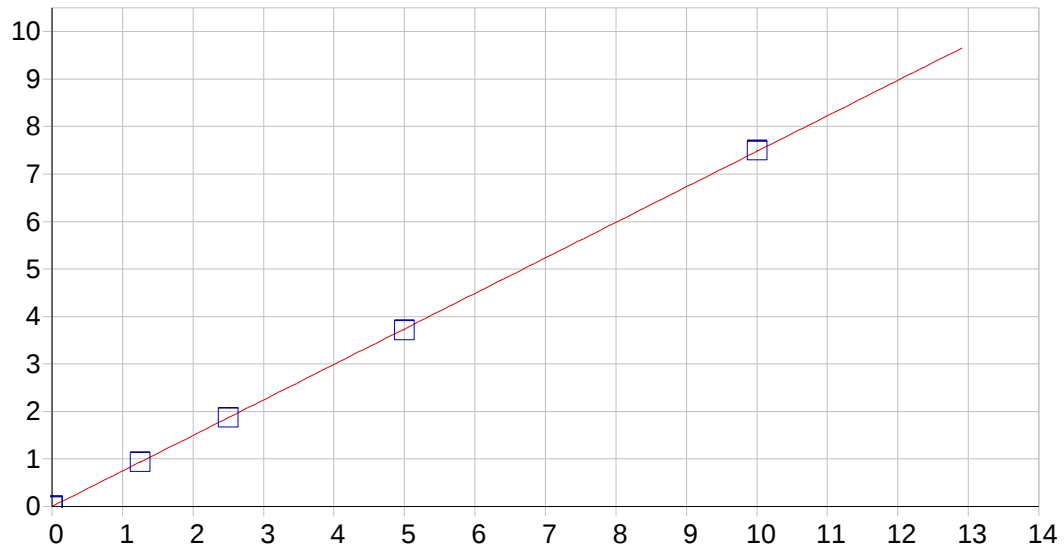
Status: OK.

Std Error of Est: 0.002384

Predicted MDL: 0.001044

Predicted MQL: 0.003480

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00009	.000	.000	.00465	.000	1
S1	.10000	.00698	-.093	-93.0	.00902	.000	1
S2	1.2500	1.2473	-.003	-.214	.75969	.004	1
S3	2.5000	2.5649	.065	2.59	1.5606	.022	1
S4	5.0000	5.0584	.058	1.17	3.0701	.038	1
S5	10.000	9.9795	-.020	-.205	6.0460	.122	1

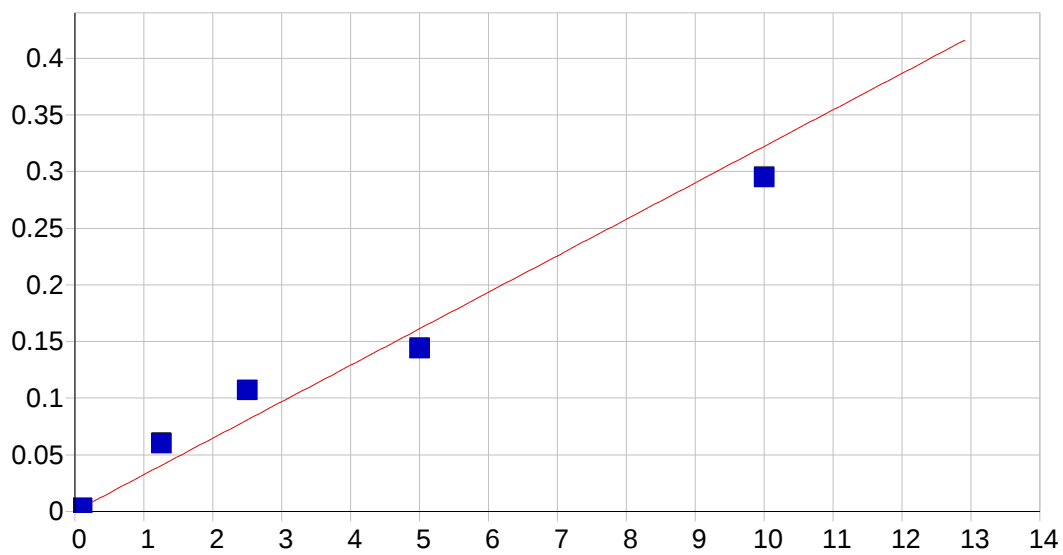


Mo 202.030 {467}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000492 Re-Slope: 1.000000
 A1 (Gain): 0.747823 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999990 Status: OK.
 Std Error of Est: 0.000057
 Predicted MDL: 0.000265
 Predicted MQL: 0.000885

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00049	.000	1
S1	.01000	.01071	.001	7.14	.00850	.000	1
S2	1.2500	1.2535	.003	.279	.93788	.002	1
S3	2.5000	2.5042	.004	.167	1.8732	.003	1
S4	5.0000	4.9645	-.036	-.710	3.7130	.004	1
S5	10.000	10.027	.027	.271	7.4990	.012	1

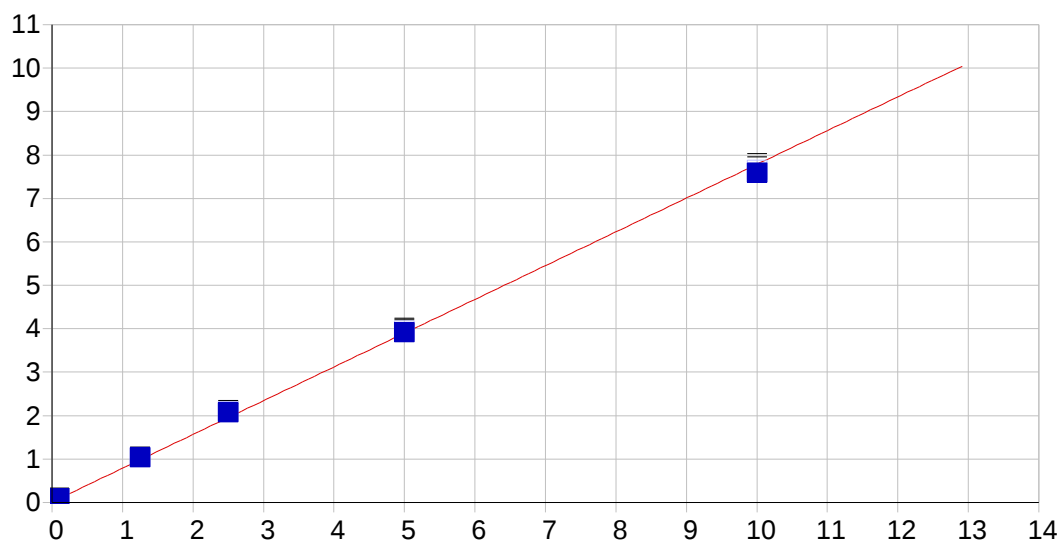


S 182.034 {485}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000300 Re-Slope: 1.000000
 A1 (Gain): 0.032189 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.982256 Status: OK.
 Std Error of Est: 0.000327
 Predicted MDL: 0.003466
 Predicted MQL: 0.011553

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00004	.000	.000	.00030	.000	1
S1	.10000	.08241	-.018	-17.6	.00295	.000	1
S2	1.2500	1.8543	.604	48.3	.06007	.000	1
S3	2.5000	3.3103	.810	32.4	.10703	.000	1
S4	5.0000	4.4550	-.545	-10.9	.14404	.001	1
S5	10.000	9.1479	-.852	-8.52	.29544	.000	1

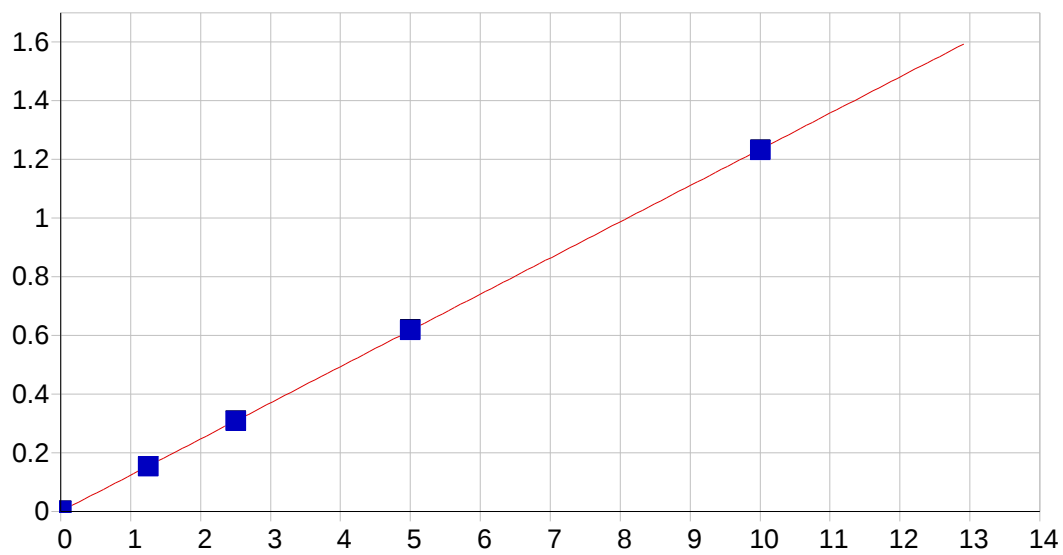


Si 251.611 {134}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.012614 Re-Slope: 1.000000
 A1 (Gain): 0.777013 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999482 Status: OK.
 Std Error of Est: 0.001341
 Predicted MDL: 0.001020
 Predicted MQL: 0.003400

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.01260	.001	1
S1	.10000	.10408	.004	4.08	.09376	.002	1
S2	1.2500	1.3162	.066	5.30	1.0439	.007	1
S3	2.5000	2.6548	.155	6.19	2.0926	.028	1
S4	5.0000	5.0291	.029	.582	3.9546	.056	1
S5	10.000	9.7459	-.254	-2.54	7.6540	.149	1

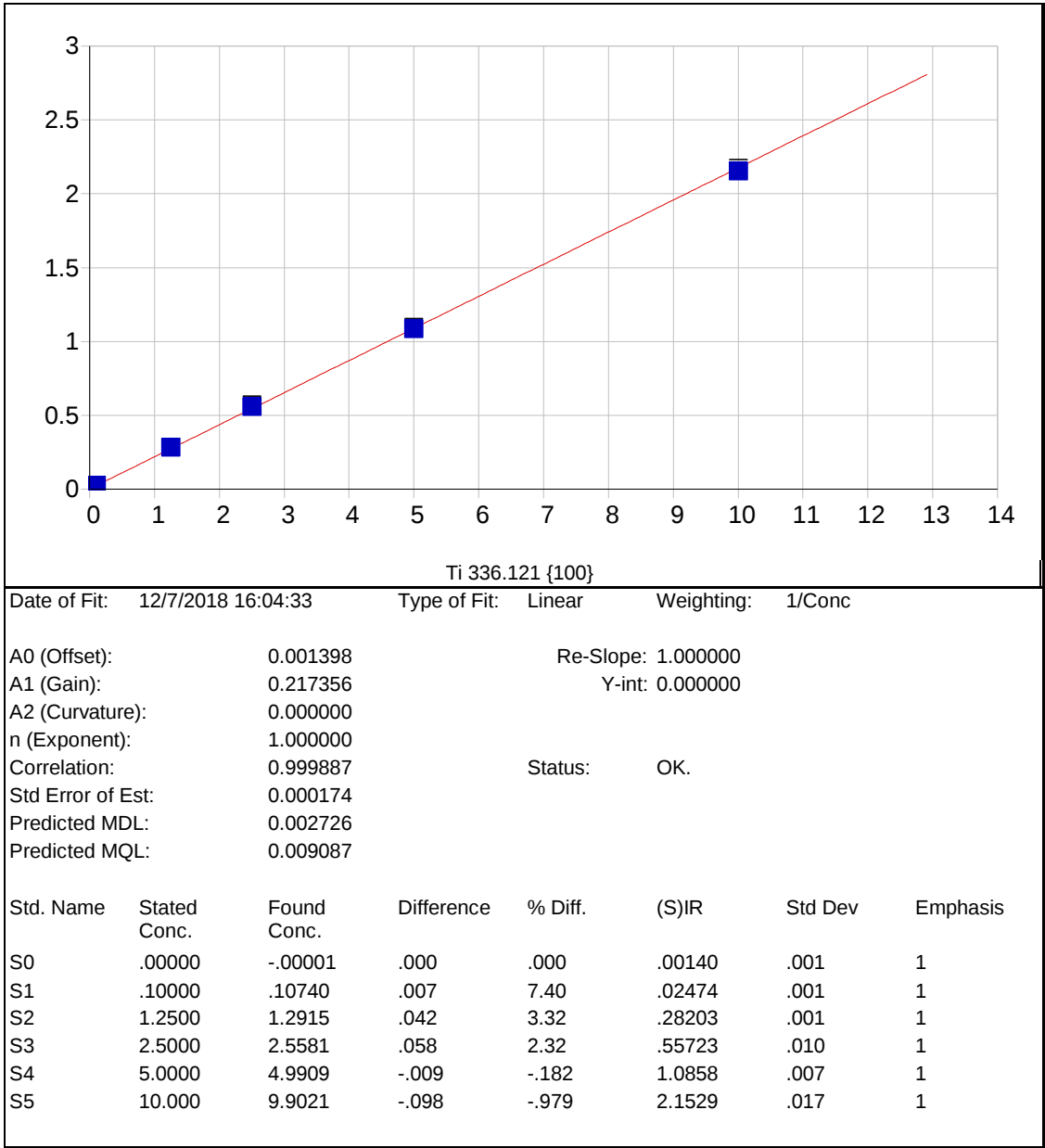


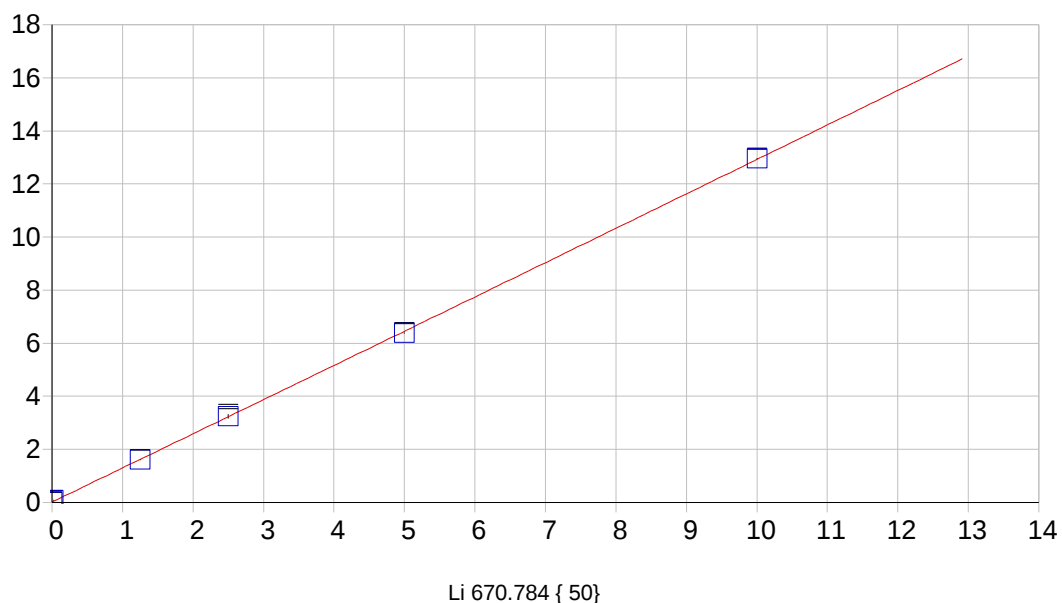
Sn 189.989 {478}

Date of Fit: 12/7/2018 16:04:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000284 Re-Slope: 1.000000
 A1 (Gain): 0.123421 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999997 Status: OK.
 Std Error of Est: 0.000004
 Predicted MDL: 0.000906
 Predicted MQL: 0.003020

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00028	.000	1
S1	.00700	.00716	.000	2.36	.00114	.000	1
S2	1.2500	1.2421	-.008	-.635	.15326	.000	1
S3	2.5000	2.5042	.004	.169	.30872	.001	1
S4	5.0000	5.0146	.015	.293	.61792	.002	1
S5	10.000	9.9889	-.011	-.111	1.2306	.000	1





Date of Fit: 12/7/2018 16:04:33 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.018906 Re-Slope: 1.000000
 A1 (Gain): 1.282766 Y-int: 0.000000
 A2 (Curvature): 0.000765
 n (Exponent): 1.000000
 Correlation: 0.998069 Status: Warning Positive Curvature
 Std Error of Est: 0.001901
 Predicted MDL: 0.002060
 Predicted MQL: 0.006866

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	.000	.000	.01886	.002	1
S5	10.000	10.026	.026	.264	12.957	.026	1
S4	5.0000	4.9460	-.054	-1.08	6.3822	.022	1
S3	2.5000	2.5084	.008	.337	3.2414	.077	1
S2	1.2500	1.2362	-.014	-1.10	1.6058	.000	1
S1	.01500	.04795	.033	220.	.08042	.002	1



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

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
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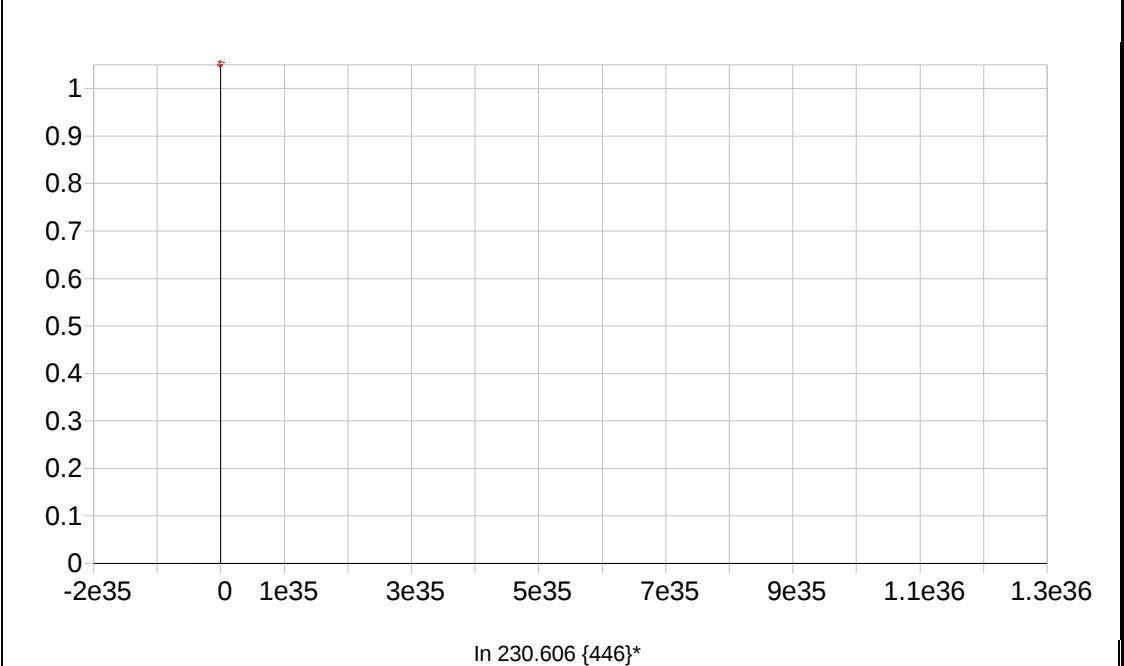
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

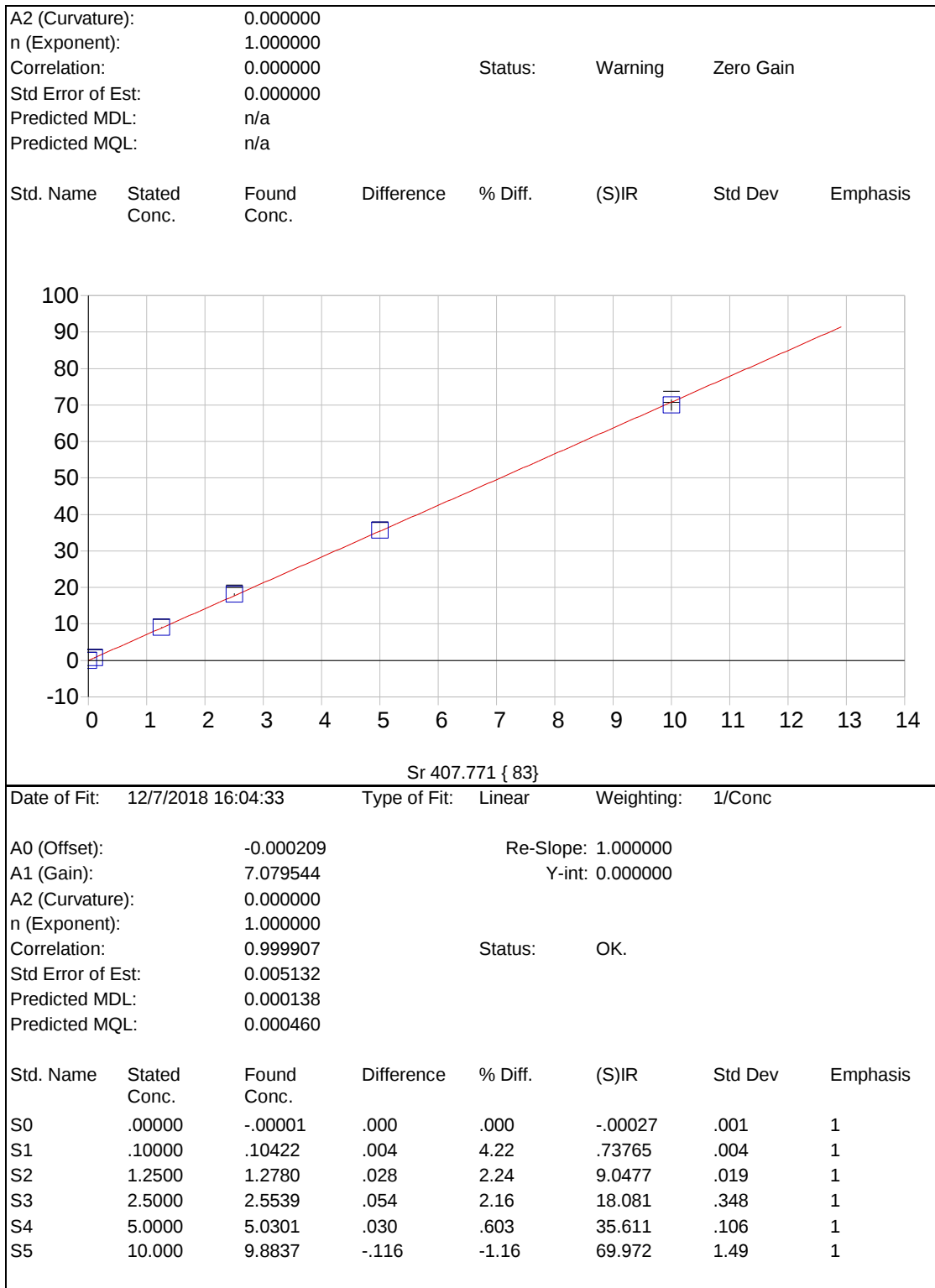
A0 (Offset): 0.000000 Re-Slope: 1.000000
A1 (Gain): 0.000000 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.000000 Status: Warning Zero Gain
Std Error of Est: 0.000000
Predicted MDL: n/a
Predicted MQL: n/a

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



Sample Name: S0 Acquired: 12/7/2018 15:26:56 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN 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	-.00023	-.00063	-.00028	.00038	.00032	.00447	.03022	-.00373
Stddev	.00004	.00008	.00012	.00014	.00023	.00052	.00283	.00009
%RSD	19.005	12.842	44.490	37.439	72.983	11.743	9.3550	2.4480

#1	-.00028	-.00056	-.00023	.00049	.00005	.00395	.02696	-.00373
#2	-.00023	-.00072	-.00018	.00045	.00043	.00500	.03197	-.00382
#3	-.00019	-.00062	-.00042	.00022	.00047	.00444	.03175	-.00363

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00043	.00190	-.00006	.00009	.00142	.00026	.00005	-.00008
Stddev	.00010	.00061	.00005	.00017	.00037	.00011	.00015	.00026
%RSD	23.019	32.089	79.766	181.83	26.075	41.943	315.15	308.22

#1	.00051	.00200	-.00007	.00017	.00103	.00024	.00022	-.00007
#2	.00046	.00125	-.00009	.00021	.00177	.00038	-.00006	-.00035
#3	.00032	.00246	-.00001	-.00010	.00147	.00016	-.00002	.00017

Elem	Ni2316	Ag3280	Na8183	V_ 2924	Zn2138	K_ 7698	P_ 1774	B_ 2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00163	-.00095	-.00121	.00017	-.00023	.02894	-.00107	.00465
Stddev	.00011	.00007	.00016	.00017	.00054	.00011	.00007	.00038
%RSD	6.8391	7.4567	13.413	99.120	228.56	.38120	6.3179	8.0750

#1	-.00167	-.00096	-.00117	.00001	-.00021	.02900	-.00114	.00507
#2	-.00171	-.00102	-.00107	.00035	.00029	.02881	-.00103	.00435
#3	-.00150	-.00088	-.00139	.00016	-.00078	.02901	-.00102	.00453

Elem	Mo2020	S_ 1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.00049	.00030	.01260	.00028	.00140	.01886	-.00027	
Stddev	.00016	.00006	.00065	.00008	.00064	.00199	.00056	
%RSD	33.146	18.560	5.1541	28.220	45.731	10.570	211.97	

#1	.00063	.00035	.01214	.00021	.00178	.02076	-.00092	
#2	.00031	.00024	.01232	.00037	.00066	.01679	.00008	
#3	.00054	.00030	.01335	.00027	.00175	.01905	.00004	

Sample Name: S0 Acquired: 12/7/2018 15:26:56 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S00 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2352.1	3432.3	49663.	4298.8	4212.8
Stddev	5.4	9.8	173.	54.7	5.0
%RSD	.23066	.28637	.34909	1.2736	.11878
#1	2352.0	3425.4	49537.	4275.6	4207.1
#2	2346.7	3443.6	49591.	4361.3	4216.7
#3	2357.6	3427.9	49861.	4259.4	4214.5

Sample Name: S1 Acquired: 12/7/2018 15:31:04 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN 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	.00029	.00145	.00121	.00248	.01057	.01988	.80468	.05732
Stddev	.00010	.00011	.00011	.00007	.00017	.00054	.00038	.00018
%RSD	35.372	7.6872	8.9176	2.8597	1.5885	2.7181	.04754	.31230

#1	.00037	.00133	.00129	.00253	.01061	.02014	.80495	.05721
#2	.00018	.00152	.00109	.00252	.01072	.01926	.80425	.05723
#3	.00032	.00151	.00125	.00240	.01039	.02024	.80486	.05753

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01468	.24369	.00191	.03398	.00446	.00148	.00298	.02297
Stddev	.00007	.00138	.00005	.00027	.00066	.00036	.00013	.00080
%RSD	.45569	.56479	2.8021	.80243	14.861	24.146	4.2893	3.4794

#1	.01461	.24524	.00188	.03427	.00421	.00119	.00288	.02390
#2	.01473	.24262	.00188	.03373	.00395	.00138	.00312	.02256
#3	.01470	.24321	.00197	.03394	.00521	.00188	.00293	.02247

Elem	Ni2316	Ag3280	Na8183	V_ 2924	Zn2138	K_ 7698	P_ 1774	B_ 2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02521	.00139	.03990	.00318	.00105	.18566	-.00072	.00902
Stddev	.00036	.00007	.00200	.00010	.00011	.00278	.00011	.00039
%RSD	1.4129	4.7518	5.0050	3.2157	10.814	1.4989	14.702	4.3385

#1	.02556	.00137	.04153	.00319	.00109	.18469	-.00083	.00908
#2	.02522	.00134	.03767	.00328	.00093	.18349	-.00069	.00860
#3	.02485	.00147	.04049	.00308	.00115	.18880	-.00063	.00938

Elem	Mo2020	S_ 1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.00850	.00295	.09376	.00114	.02474	.08042	.73765	
Stddev	.00004	.00006	.00184	.00001	.00065	.00233	.00368	
%RSD	.48041	2.0955	1.9588	.77466	2.6193	2.8969	.49937	

#1	.00846	.00298	.09202	.00114	.02545	.07788	.73907	
#2	.00851	.00288	.09568	.00113	.02459	.08091	.74041	
#3	.00854	.00300	.09358	.00115	.02417	.08246	.73347	

Sample Name: S1 Acquired: 12/7/2018 15:31:04 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2375.6	3417.9	50046.	4309.0	4245.6
Stddev	4.3	7.6	212.	24.3	12.3
%RSD	.17957	.22124	.42370	.56376	.28867
#1	2375.6	3409.3	49816.	4294.0	4233.2
#2	2379.8	3421.0	50234.	4296.0	4257.7
#3	2371.3	3423.5	50086.	4337.0	4246.0

Sample Name: S2 Acquired: 12/7/2018 15:35:13 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN 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	.05625	.09895	1.0052	.07165	.20118	3.0259	9.2609	1.5113
Stddev	.00031	.00060	.0004	.00014	.00052	.0083	.0138	.0068
%RSD	.54239	.60238	.03781	.19204	.26040	.27370	.14913	.45135

#1	.05657	.09887	1.0050	.07179	.20157	3.0164	9.2703	1.5137
#2	.05597	.09839	1.0049	.07151	.20058	3.0315	9.2450	1.5166
#3	.05621	.09958	1.0056	.07164	.20139	3.0298	9.2674	1.5036

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.6981	2.8764	.65366	.41376	.49080	.41143	.62109	.28659
Stddev	.0040	.0023	.00056	.00027	.00117	.00204	.00231	.00166
%RSD	.23552	.08074	.08616	.06536	.23897	.49683	.37207	.58023

#1	1.6954	2.8751	.65430	.41345	.49020	.40907	.62054	.28468
#2	1.6961	2.8750	.65342	.41392	.49004	.41270	.61911	.28774
#3	1.7027	2.8791	.65325	.41391	.49215	.41251	.62363	.28736

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.39583	.06501	.29084	.03440	.07703	1.1989	.08781	.75969
Stddev	.00019	.00033	.00185	.00021	.00025	.0056	.00031	.00378
%RSD	.04877	.50010	.63560	.59755	.32544	.46681	.35025	.49723

#1	.39588	.06466	.28899	.03454	.07677	1.1994	.08764	.76113
#2	.39561	.06508	.29084	.03449	.07727	1.2042	.08762	.76254
#3	.39599	.06530	.29269	.03416	.07705	1.1931	.08816	.75541

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.93788	.06007	1.0439	.15326	.28203	1.6058	9.0477	
Stddev	.00219	.00039	.0069	.00036	.00066	.0004	.0190	
%RSD	.23327	.64960	.66619	.23456	.23379	.02628	.21017	

#1	.93696	.05981	1.0500	.15345	.28130	1.6054	9.0387	
#2	.93630	.05989	1.0455	.15285	.28257	1.6063	9.0348	
#3	.94038	.06052	1.0364	.15348	.28221	1.6058	9.0695	

Sample Name: S2 Acquired: 12/7/2018 15:35:13 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2300.0	3280.1	49612.	4212.3	3992.5
Stddev	.8	2.9	45.	14.7	3.1
%RSD	.03681	.08907	.09085	.34854	.07734
#1	2299.6	3279.7	49574.	4203.1	3992.1
#2	2301.0	3283.3	49600.	4204.5	3995.8
#3	2299.6	3277.5	49662.	4229.2	3989.7

Sample Name: S3 Acquired: 12/7/2018 15:39:07 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN 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	.11303	.19669	2.0151	.13972	.39788	6.0429	18.949	3.0539
Stddev	.00024	.00099	.0045	.00005	.00102	.1099	.409	.0370
%RSD	.21226	.50502	.22238	.03258	.25614	1.8183	2.1607	1.2122

#1	.11294	.19589	2.0116	.13971	.39826	6.1698	19.419	3.0896
#2	.11284	.19638	2.0134	.13968	.39672	5.9812	18.754	3.0157
#3	.11330	.19780	2.0201	.13977	.39865	5.9778	18.673	3.0565

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.3743	5.7424	1.2866	.83059	.97544	.80955	1.2678	.57511
Stddev	.0022	.1098	.0036	.00162	.01762	.01571	.0270	.00822
%RSD	.06524	1.9114	.28087	.19545	1.8063	1.9409	2.1268	1.4294

#1	3.3723	5.8685	1.2833	.82984	.99575	.82731	1.2988	.58448
#2	3.3739	5.6898	1.2862	.82948	.96629	.79743	1.2495	.56910
#3	3.3766	5.6688	1.2905	.83245	.96427	.80393	1.2552	.57174

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.79057	.13204	.58493	.06948	.15254	2.3913	.15863	1.5606
Stddev	.00182	.00048	.00988	.00151	.00178	.0380	.00049	.0217
%RSD	.22980	.36124	1.6891	2.1765	1.1669	1.5877	.30888	1.3908

#1	.79046	.13222	.59620	.07104	.15128	2.4351	.15819	1.5814
#2	.78881	.13241	.58086	.06802	.15457	2.3680	.15856	1.5381
#3	.79244	.13150	.57773	.06940	.15176	2.3708	.15916	1.5623

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	1.8732	.10703	2.0926	.30872	.55723	3.2414	18.081	
Stddev	.0027	.00010	.0279	.00071	.01016	.0772	.348	
%RSD	.14630	.09193	1.3318	.23059	1.8235	2.3829	1.9231	

#1	1.8754	.10713	2.1155	.30797	.56894	3.3300	18.482	
#2	1.8701	.10694	2.0616	.30879	.55082	3.2059	17.882	
#3	1.8740	.10701	2.1007	.30939	.55192	3.1883	17.878	

Sample Name: S3 Acquired: 12/7/2018 15:39:07 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2246.3	3167.0	48923.	4107.7	3807.7
Stddev	28.3	7.8	357.	72.8	5.0
%RSD	1.2600	.24589	.72892	1.7733	.13071
#1	2234.3	3158.5	48577.	4023.8	3806.5
#2	2226.0	3173.7	48903.	4155.3	3813.2
#3	2278.6	3169.0	49290.	4143.8	3803.5

Sample Name: S4 Acquired: 12/7/2018 15:42:59 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN 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	.22808	.38505	4.0558	.27177	.79654	11.959	36.787	5.8759
Stddev	.00128	.00105	.0158	.00081	.00222	.067	.095	.0769
%RSD	.56044	.27260	.38973	.29791	.27870	.56288	.25898	1.3093

#1	.22783	.38403	4.0443	.27176	.79640	11.905	36.762	5.8204
#2	.22694	.38500	4.0493	.27097	.79439	11.937	36.706	5.8436
#3	.22946	.38613	4.0738	.27259	.79882	12.034	36.892	5.9637

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.6587	11.232	2.4830	1.6525	1.9079	1.5692	2.4262	1.1475
Stddev	.0155	.054	.0042	.0043	.0074	.0156	.0072	.0131
%RSD	.23271	.47818	.16802	.25816	.38840	.99065	.29827	1.1454

#1	6.6436	11.189	2.4783	1.6500	1.8999	1.5524	2.4181	1.1329
#2	6.6579	11.215	2.4862	1.6500	1.9095	1.5722	2.4283	1.1511
#3	6.6745	11.292	2.4844	1.6574	1.9144	1.5830	2.4321	1.1584

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.5655	.26273	1.1298	.13436	.31150	4.7635	.20993	3.0701
Stddev	.0052	.00049	.0088	.00120	.00402	.0380	.00178	.0383
%RSD	.33254	.18596	.77495	.89248	1.2894	.79752	.84999	1.2481

#1	1.5601	.26323	1.1255	.13311	.31377	4.7285	.20898	3.0374
#2	1.5660	.26270	1.1240	.13448	.31387	4.7580	.20883	3.0605
#3	1.5705	.26226	1.1398	.13550	.30686	4.8039	.21199	3.1123

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	3.7130	.14404	3.9546	.61792	1.0858	6.3822	35.611	
Stddev	.0039	.00052	.0563	.00249	.0075	.0225	.106	
%RSD	.10362	.36404	1.4234	.40224	.68877	.35191	.29834	

#1	3.7162	.14345	3.9158	.61643	1.0786	6.3755	35.496	
#2	3.7088	.14443	3.9289	.61655	1.0852	6.3638	35.632	
#3	3.7142	.14425	4.0192	.62079	1.0936	6.4072	35.705	

Sample Name: S4 Acquired: 12/7/2018 15:42:59 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2147.8	2989.3	48113.	4110.6	3551.0
Stddev	17.6	6.6	309.	32.5	11.9
%RSD	.81808	.21973	.64133	.79095	.33580
#1	2140.4	2987.7	48055.	4138.2	3560.0
#2	2135.1	2996.5	47838.	4118.9	3555.6
#3	2167.8	2983.7	48447.	4074.7	3537.5

Sample Name: S5 Acquired: 12/7/2018 15:46:47 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN 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	.46658	.74370	8.1004	.52857	1.6214	24.319	72.693	11.379
Stddev	.00075	.00116	.0060	.00072	.0014	.158	.068	.217
%RSD	.16096	.15656	.07470	.13699	.08339	.65022	.09301	1.9036

#1	.46598	.74262	8.1004	.52901	1.6217	24.446	72.770	11.594
#2	.46634	.74493	8.1065	.52773	1.6199	24.142	72.666	11.161
#3	.46742	.74355	8.0943	.52896	1.6226	24.369	72.643	11.381

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	13.099	22.071	4.7691	3.2802	3.7893	3.0998	4.6236	2.3382
Stddev	.012	.074	.0070	.0001	.0041	.0344	.0053	.0314
%RSD	.09530	.33461	.14766	.00331	.10801	1.1092	.11414	1.3443

#1	13.101	22.145	4.7616	3.2801	3.7927	3.1257	4.6262	2.3612
#2	13.086	21.997	4.7701	3.2803	3.7848	3.0608	4.6270	2.3024
#3	13.111	22.071	4.7756	3.2802	3.7905	3.1129	4.6175	2.3510

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.0834	.53426	2.2809	.26690	.64613	9.6659	.42928	6.0460
Stddev	.0008	.00144	.0219	.00131	.00775	.0679	.00031	.1218
%RSD	.02548	.26990	.95955	.49227	1.1994	.70256	.07207	2.0147

#1	3.0838	.53259	2.2999	.26808	.63736	9.7249	.42916	6.1731
#2	3.0825	.53500	2.2570	.26548	.65206	9.5917	.42906	5.9303
#3	3.0839	.53517	2.2858	.26715	.64896	9.6811	.42964	6.0346

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	7.4990	.29544	7.6540	1.2306	2.1529	12.957	69.972	
Stddev	.0119	.00048	.1490	.0003	.0174	.026	1.494	
%RSD	.15903	.16281	1.9461	.02103	.80790	.20200	2.1348	

#1	7.5070	.29593	7.8100	1.2303	2.1611	12.962	70.906	
#2	7.4853	.29497	7.5133	1.2305	2.1329	12.929	68.249	
#3	7.5047	.29541	7.6388	1.2309	2.1647	12.981	70.760	

Sample Name: S5 Acquired: 12/7/2018 15:46:47 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2013.9	2755.1	47409.	4060.0	3270.3
Stddev	6.7	1.7	219.	62.8	5.1
%RSD	.33346	.06264	.46177	1.5457	.15565
#1	2021.0	2754.8	47626.	3998.0	3271.2
#2	2013.1	2753.5	47413.	4123.5	3264.9
#3	2007.6	2756.9	47188.	4058.4	3274.9

Sample Name: S6 Acquired: 12/7/2018 15:50:44 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S06 Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	Ca3736	Fe2598	Mg2790	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	67.481	36.281	8.6507	3.9747	6.5952
Stddev	.540	.162	.0558	.0326	.0750
%RSD	.80013	.44623	.64557	.81991	1.1370

#1	66.964	36.178	8.5998	3.9407	6.5219
#2	68.041	36.467	8.7105	4.0057	6.6718
#3	67.439	36.197	8.6418	3.9775	6.5921

Int. Std.	Y_3710
Units	Cts/S
Avg	3967.0
Stddev	58.5
%RSD	1.4735

#1	4025.0
#2	3908.1
#3	3968.0

Sample Name: ICV Acquired: 12/7/2018 15:54:51 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9828622	1.053860	.9498389	1.063334	.9992442	2.326563
Stddev	.0045769	.002028	.0045395	.002905	.0025338	.009237
%RSD	.4656686	.1923955	.4779210	.2732410	.2535663	.3970125

#1	.9868480	1.052937	.9447707	1.060300	.9968780	2.323913
#2	.9778638	1.056185	.9535314	1.066091	1.001918	2.336835
#3	.9838749	1.052458	.9512147	1.063610	.998937	2.318940

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5069606	.5026686	.5070730	10.17485	.5082460	.4937354
Stddev	.0002481	.0025455	.0020309	.07961	.0006937	.0015623
%RSD	.0489485	.5063973	.4005066	.7824138	.1364867	.3164189

#1	.5072463	.5014249	.5049160	10.09485	.5078851	.4919321
#2	.5067996	.5055968	.5073546	10.25406	.5090457	.4946792
#3	.5068357	.5009840	.5089484	10.17563	.5078071	.4945948

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5265178	5.492672	.5064817	5.787176	.5080470	.4537612
Stddev	.0036172	.030282	.0033256	.089237	.0024914	.0014281
%RSD	.6869971	.5513209	.6566128	1.541984	.4903858	.3147267

#1	.5237140	5.475637	.5053423	5.884704	.5054612	.4541889
#2	.5306007	5.527635	.5038755	5.709611	.5082479	.4549265
#3	.5252386	5.474743	.5102273	5.767211	.5104319	.4521681

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.915607	.5331244	1.018771	9.739906	F -.001492	F .0099690
Stddev	.093043	.0037563	.034454	.013677	.000356	.0007109
%RSD	.9383472	.7045781	3.381877	.1404181	23.84678	7.130632

#1	9.813413	.5290117	1.007548	9.724141	-.001694	.0093458
#2	9.995414	.5339876	1.057437	9.746988	-.001701	.0098181
#3	9.937994	.5363740	.991329	9.748590	-.001081	.0107432

Sample Name: ICV Acquired: 12/7/2018 15:54:51 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0003067	F .0042567	F .0019188	F -.000350	F -.001674	F .0070205
Stddev	.0001662	.0051338	.0004221	.000616	.002110	.0001149
%RSD	54.19192	120.6040	21.99624	175.7382	126.0379	1.636786

#1	.0004984	.0007133	.0021249	-.000012	.000555	.0071492
#2	.0002195	.0101441	.0014333	.000022	-.001936	.0069281
#3	.0002023	.0019128	.0021983	-.001061	-.003641	.0069842

Elem	Sr4077
Units	ppm
Avg	F .0117163
Stddev	.0000664
%RSD	.5668790

#1	.0117587
#2	.0117504
#3	.0116398

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2382.987	3373.705	50534.14	4273.230	4255.348
Stddev	6.110	7.684	106.83	36.368	6.753
%RSD	.2564059	.2277558	.2113950	.8510594	.1587012

#1	2389.270	3380.230	50610.32	4285.690	4257.454
#2	2382.625	3365.236	50412.03	4232.270	4247.792
#3	2377.066	3375.649	50580.06	4301.730	4260.797

Sample Name: ICB Acquired: 12/7/2018 15:58:50 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN 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	.0008267	.0007265	.0009328	-.000607	.0012708	-.013313	.0011910
Stddev	.0027291	.0004902	.0009318	.003174	.0007336	.014500	.0002082
%RSD	330.1024	67.46839	99.89110	523.1822	57.72682	108.9146	17.48042

#1	-.000337	.0012744	.0017371	-.003557	.0004406	-.010731	.0013373
#2	.003945	.0003296	.0011497	.002752	.0015402	-.000278	.0012832
#3	-.001128	.0005756	-.000088	-.001015	.0018317	-.028931	.0009527

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000006	-.000043	.0023265	.0005230	.0000552	-.003783	-.000602
Stddev	.000052	.000054	.0076140	.0002536	.0001558	.002905	.021135
%RSD	886.0775	126.5527	327.2669	48.49327	282.3414	76.80379	3509.016

#1	.000053	.000010	-.006167	.0008158	.0002293	-.001113	-.016797
#2	-.000023	-.000040	.008540	.0003783	.0000073	-.006877	-.008316
#3	-.000047	-.000098	.004606	.0003749	-.000071	-.003358	.023306

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004422	-.040627	-.000442	.0008232	-.021620	.0011825	.0023405
Stddev	.0017931	.086794	.000154	.0001132	.325055	.0067668	.0111180
%RSD	405.5172	213.6351	34.83630	13.74975	1503.476	572.2395	475.0353

#1	-.001463	-.040426	-.000283	.0007012	-.216457	.0078452	.0061884
#2	.000692	-.127521	-.000591	.0009248	-.202033	.0013862	-.010190
#3	.002097	.046066	-.000452	.0008436	.353629	-.005684	.011023

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002153	-.001604	.0021909	.0001639	-.001959	-.002010	.0005350
Stddev	.037163	.001567	.0003677	.0002940	.002915	.000496	.0006971
%RSD	1726.165	97.69741	16.78171	179.4418	148.7995	24.68654	130.2922

#1	.036182	-.002752	.0024715	.0004718	-.000980	-.002481	.0011749
#2	-.004620	.000181	.0023264	-.000114	-.005238	-.002057	-.000208
#3	-.038021	-.002241	.0017747	.000134	.000340	-.001492	.000638

Sample Name: ICB Acquired: 12/7/2018 15:58:50 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICB Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0000554	.0024131	-.000113
Stddev	.0023843	.0011410	.000066
%RSD	4306.582	47.28381	59.01179

#1	-.002215	.0019280	-.000188
#2	.002539	.0037164	-.000062
#3	-.000157	.0015947	-.000088

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2368.011	3373.467	50090.36	4224.227	4239.325
Stddev	14.102	10.945	149.35	5.578	10.830
%RSD	.5955023	.3244479	.2981653	.1320503	.2554723

#1	2368.320	3361.045	50261.56	4221.780	4228.671
#2	2381.955	3381.696	50022.69	4220.290	4250.324
#3	2353.757	3377.660	49986.82	4230.610	4238.980

Sample Name: ICSA Acquired: 12/7/2018 16:07:09 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN 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	.0005495	.0076364	-.000629	-.017990	.0050690	244.8127	.0072340
Stddev	.0054455	.0007948	.000159	.005909	.0008417	1.3835	.0009283
%RSD	990.9426	10.40844	25.24861	32.84823	16.60475	.5651251	12.83215

#1	.0068274	.0069061	-.000658	-.017149	.0041291	246.0115	.0061675
#2	-.002898	.0075201	-.000772	-.012546	.0053243	245.1279	.0078602
#3	-.002281	.0084829	-.000458	-.024275	.0057534	243.2989	.0076743

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008474	.0013900	252.0701	.0587983	.0000149	.0003938	108.8567
Stddev	.0001056	.0001891	.8552	.0003398	.0002395	.0023500	.8244
%RSD	12.46223	13.60527	.3392626	.5779762	1605.920	596.6917	.7573429

#1	.0007311	.0012006	252.8392	.0586832	-.000223	.0014988	109.7960
#2	.0008738	.0015789	252.2219	.0591807	.000256	.0019877	108.2529
#3	.0009374	.0013904	251.1492	.0585309	.000012	-.002305	108.5212

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0120161	264.0938	-.000733	-.007804	-.512768	.0019225	.0186727
Stddev	.0027652	1.8750	.000546	.000436	.225169	.0054172	.0084501
%RSD	23.01232	.7099817	74.47962	5.583969	43.91251	281.7740	45.25406

#1	.0088519	266.1874	-.000142	-.007378	-.292063	.0061324	.0130160
#2	.0139686	263.5248	-.000837	-.008249	-.504090	.0038243	.0146157
#3	.0132277	262.5691	-.001218	-.007786	-.742151	-.004189	.0283862

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.216925	.0067817	-.003164	.0014108	.0055008	-.004630	-.002206
Stddev	.129271	.0007973	.002252	.0001464	.0027501	.001213	.000639
%RSD	59.59274	11.75667	71.16268	10.37487	49.99490	26.19372	28.96518

#1	-.333746	.0059201	-.004443	.0014883	.0049294	-.003383	-.002084
#2	-.078043	.0069317	-.004485	.0012420	.0084918	-.005805	-.001636
#3	-.238985	.0074934	-.000564	.0015022	.0030813	-.004703	-.002896

Sample Name: ICSA Acquired: 12/7/2018 16:07:09 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSA Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004338	.0106142	.1039480
Stddev	.001649	.0010572	.0003235
%RSD	38.02326	9.960210	.3112437

#1	-.005793	.0103267	.1037609
#2	-.002546	.0097306	.1043216
#3	-.004675	.0117855	.1037615

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2237.344	3134.634	48352.07	4145.132	3709.612
Stddev	3.598	6.168	202.25	36.245	10.935
%RSD	.1608280	.1967568	.4182947	.8743906	.2947875

#1	2235.272	3128.200	48150.36	4122.141	3697.251
#2	2241.499	3140.495	48350.99	4126.340	3713.558
#3	2235.261	3135.209	48554.86	4186.913	3718.027

Sample Name: ICSAB Acquired: 12/7/2018 16:11:14 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN 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	.0980484	.1175044	.0495364	.0299430	.6052552	233.6059	.5142747
Stddev	.0024220	.0021004	.0027922	.0038128	.0030429	.9020	.0001639
%RSD	2.470250	1.787521	5.636618	12.73354	.5027428	.3860991	.0318630

#1	.0965545	.1171189	.0465316	.0284170	.6018227	232.5697	.5140924
#2	.0967477	.1197708	.0500263	.0271296	.6063212	234.2145	.5144097
#3	.1008429	.1156234	.0520511	.0342825	.6076216	234.0335	.5143220

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5059484	1.003910	242.0191	.5537676	.4962593	.5172421	104.2012
Stddev	.0045501	.001910	.7290	.0019613	.0006379	.0111611	.0170
%RSD	.8993186	.1902299	.3012219	.3541755	.1285492	2.157818	.0162863

#1	.5008260	1.001795	241.2962	.5549902	.4969551	.5043639	104.2208
#2	.5095215	1.004426	242.7541	.5515054	.4961207	.5241112	104.1910
#3	.5074978	1.005508	242.0070	.5548073	.4957020	.5232511	104.1917

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5105627	252.8123	.9956544	.1920869	-.500513	.5329004	1.051994
Stddev	.0032025	1.5163	.0012710	.0009265	.157860	.0030852	.027419
%RSD	.6272403	.5997741	.1276556	.4823250	31.53954	.5789413	2.606418

#1	.5068649	251.2056	.9959330	.1916432	-.657054	.5360578	1.083595
#2	.5123981	254.2182	.9942673	.1914656	-.341367	.5298929	1.034493
#3	.5124252	253.0130	.9967631	.1931517	-.503119	.5327506	1.037896

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.269549	.0053925	-.003293	.0008246	.0041988	-.003861	-.002514
Stddev	.071537	.0004040	.001843	.0000644	.0017620	.001284	.001026
%RSD	26.53957	7.492386	55.97367	7.814776	41.96388	33.26074	40.78986

#1	-.324652	.0052480	-.003624	.0007704	.0025581	-.004950	-.001552
#2	-.188703	.0058490	-.004949	.0008959	.0039772	-.002445	-.003593
#3	-.295292	.0050806	-.001307	.0008077	.0060610	-.004187	-.002398

Sample Name: ICSAB Acquired: 12/7/2018 16:11:14 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.004486	.0071678	.0992729
Stddev	.001145	.0033551	.0000788
%RSD	25.51972	46.80896	.0793733

#1	-.005703	.0041129	.0992833
#2	-.003431	.0066316	.0993460
#3	-.004324	.0107587	.0991894

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2235.955	3164.451	48513.26	4152.381	3748.075
Stddev	6.629	13.095	100.05	36.933	6.986
%RSD	.2964876	.4138043	.2062333	.8894528	.1863757

#1	2240.175	3179.564	48408.21	4192.544	3751.751
#2	2228.314	3157.316	48524.16	4119.878	3752.456
#3	2239.375	3156.473	48607.42	4144.721	3740.020

Sample Name: CCV038 Acquired: 12/7/2018 16:15:14 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV038 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.796790	4.792453	24.31930	4.632629	4.766174	419.7596
Stddev	.008580	.013233	.01052	.007064	.004141	1.7815
%RSD	.1788661	.2761265	.0432630	.1524838	.0868893	.4244037

#1	4.806361	4.807652	24.32584	4.638272	4.767845	419.3801
#2	4.794221	4.783496	24.30717	4.624707	4.761458	418.1984
#3	4.789788	4.786209	24.32490	4.634909	4.769219	421.7002

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.827662	.4962712	2.430054	411.0439	14.70067	2.450232
Stddev	.010140	.0070769	.002156	.2843	.02273	.002530
%RSD	.1031801	1.426015	.0887347	.0691753	.1545899	.1032734

#1	9.838336	.4918712	2.431032	411.3722	14.71572	2.450722
#2	9.818158	.4925078	2.427582	410.8818	14.67453	2.452481
#3	9.826491	.5044347	2.431547	410.8777	14.71177	2.447492

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.09403	431.8035	14.33591	425.5723	2.441464	1.200778
Stddev	.03776	1.4009	.05128	1.9244	.001701	.003511
%RSD	.2501871	.3244401	.3576866	.4521854	.0696883	.2924036

#1	15.13688	432.6331	14.28020	425.8902	2.442671	1.199544
#2	15.06561	430.1861	14.38114	423.5088	2.442204	1.204740
#3	15.07959	432.5915	14.34640	427.3180	2.439518	1.198051

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	417.6750	2.542382	15.55859	154.1372	4.588320	5.016950
Stddev	3.1864	.023826	.28648	.5732	.008949	.060072
%RSD	.7628797	.9371581	1.841300	.3718975	.1950419	1.197390

#1	416.0701	2.546273	15.76426	153.6775	4.597758	4.980085
#2	415.6102	2.516850	15.68015	153.9546	4.579957	4.984497
#3	421.3447	2.564023	15.23138	154.7795	4.587244	5.086269

Sample Name: CCV038 Acquired: 12/7/2018 16:15:14 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV038 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.695822	F 4.422390	5.005023	4.885933	5.031322	5.034125
Stddev	.006543	.008238	.068542	.002839	.015157	.016809
%RSD	.1393270	.1862831	1.369472	.0581096	.3012500	.3338930
#1	4.692452	4.417089	4.967119	4.889049	5.032128	5.034374
#2	4.703362	4.431881	4.963803	4.883491	5.015778	5.017194
#3	4.691651	4.418200	5.084145	4.885260	5.046060	5.050808

Elem	Sr4077
Units	ppm
Avg	4.990792
Stddev	.007213
%RSD	.1445184
#1	4.982749
#2	4.996685
#3	4.992943

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.113	2882.211	46960.90	4031.239	3313.194
Stddev	11.236	6.708	95.93	48.868	2.507
%RSD	.5414503	.2327517	.2042804	1.212222	.0756678
#1	2062.945	2885.858	46850.27	4067.898	3312.796
#2	2077.300	2874.469	47021.05	4050.060	3310.909
#3	2085.095	2886.305	47011.39	3975.759	3315.876

Sample Name: CCB038 Acquired: 12/7/2018 16:19:01 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB038 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018621	.0012670	.0011503	.0014499	.0012311	-.010328	.0012254
Stddev	.0032517	.0007124	.0020308	.0015302	.0006053	.005896	.0003638
%RSD	174.6254	56.22888	176.5494	105.5374	49.16999	57.08713	29.69030

#1	.0051955	.0017880	.0014132	.0024781	.0016962	-.004282	.0008410
#2	-.001301	.0015577	.0030368	.0021803	.0014502	-.016062	.0015643
#3	.001692	.0004552	-.000999	-.000309	.0005467	-.010640	.0012710

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000559	.0000012	.0012733	.0002287	-.000101	.0018397	-.016178
Stddev	.0000362	.0000355	.0005552	.0002689	.000274	.0026086	.009438
%RSD	64.69269	2987.727	43.60107	117.5900	271.3785	141.7939	58.34267

#1	.0000147	-.000007	.0013241	.0003371	.000192	.0040417	-.010469
#2	.0000826	-.000029	.0006945	-.000078	-.000142	.0025186	-.010992
#3	.0000704	.000040	.0018014	.000426	-.000353	-.001041	-.027072

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001688	-.068234	-.000082	.0009585	-.136404	-.001466	.0047559
Stddev	.0004790	.070708	.000399	.0002859	.032587	.011744	.0076643
%RSD	283.8500	103.6255	488.6768	29.83074	23.89025	801.3561	161.1519

#1	.0003818	-.116357	.000369	.0006630	-.157197	-.009626	-.004055
#2	-.000380	-.101295	-.000392	.0009787	-.153169	.011994	.009881
#3	.000504	.012948	-.000223	.0012338	-.098848	-.006766	.008442

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038498	-.001486	.0081025	.0001583	-.000336	-.002791	-.000414
Stddev	.0244642	.002594	.0014218	.0001558	.002535	.000983	.001511
%RSD	635.4583	174.5120	17.54735	98.38963	755.4868	35.21361	364.5263

#1	-.020044	-.001917	.0097347	.0000145	.002522	-.003873	-.001866
#2	.028847	.001296	.0071337	.0003238	-.001215	-.001954	-.000526
#3	.002747	-.003838	.0074390	.0001367	-.002314	-.002545	.001149

Sample Name: CCB038 Acquired: 12/7/2018 16:19:01 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: CCB038 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000585	.0021068	.0000085
Stddev	.001757	.0011353	.0001379
%RSD	300.4590	53.88725	1633.318

#1	-.000256	.0017380	.0001306
#2	-.002483	.0012018	-.000141
#3	.000985	.0033807	.000036

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2351.675	3379.466	49768.31	4203.300	4223.638
Stddev	23.013	4.621	350.13	15.236	7.296
%RSD	.9785853	.1367368	.7035154	.3624795	.1727309

#1	2337.832	3377.356	49536.52	4198.080	4228.383
#2	2378.240	3384.765	50171.07	4220.460	4227.294
#3	2338.952	3376.276	49597.32	4191.360	4215.237

Sample Name: PB115415BL Acquired: 12/7/2018 16:23:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN 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	.0004684	.0002067	.0007230	-.002503	.0000032	.0009628	.0012288
Stddev	.0004834	.0010287	.0012261	.002124	.0014724	.0046261	.0000219
%RSD	103.1977	497.6107	169.5757	84.85185	46513.14	480.4707	1.782761

#1	-.000067	-.000350	-.000687	-.001041	-.000867	.0058036	.0012379
#2	.000873	.001394	.001534	-.001528	.001703	.0004987	.0012038
#3	.000599	-.000424	.001323	-.004939	-.000827	-.003414	.0012447

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000005	.0000119	-.002707	.0005862	.0000514	-.004710	-.005388
Stddev	.000005	.0000666	.010419	.0002263	.0003542	.002999	.014986
%RSD	113.8218	559.0900	384.8456	38.60954	689.7127	63.68506	278.1350

#1	-.000011	.0000532	-.014694	.0003461	.0003990	-.003463	.006719
#2	-.000001	-.000065	.002391	.0007956	-.000309	-.008132	-.022149
#3	-.000002	.000047	.004181	.0006169	.000064	-.002535	-.000735

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007567	-.028474	-.000132	.0012126	-.357677	.0012861	-.009409
Stddev	.0007831	.039589	.000257	.0002252	.273383	.0027521	.005649
%RSD	103.4838	139.0391	194.5776	18.57052	76.43303	213.9972	60.04016

#1	-.000140	-.011278	.000028	.0014423	-.057594	.0013567	-.009429
#2	.001106	-.000389	.000004	.0012032	-.422859	-.001501	-.015049
#3	.001304	-.073753	-.000428	.0009922	-.592578	.004002	-.003750

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.019662	-.004160	.0006201	-.000059	-.005367	-.002782	-.000261
Stddev	.069433	.001602	.0002891	.000058	.002494	.001070	.000428
%RSD	353.1345	38.50377	46.62509	98.76127	46.46549	38.48509	163.8189

#1	-.077611	-.005788	.0003893	-.000126	-.004592	-.002177	.000184
#2	.057296	-.004106	.0009444	-.000023	-.008156	-.004018	-.000299
#3	-.038671	-.002586	.0005267	-.000027	-.003352	-.002150	-.000670

Sample Name: PB115415BL Acquired: 12/7/2018 16:23:10 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: PBW001 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0004038	-.000698	.0000130
Stddev	.0018958	.000328	.0001186
%RSD	469.4215	46.98028	912.0347

#1	.0013917	-.000422	-.000124
#2	.0016016	-.000612	.000077
#3	-.001782	-.001061	.000086

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2376.048	3375.489	49902.67	4239.010	4223.516
Stddev	17.312	1.425	146.56	42.030	5.391
%RSD	.7285978	.0422158	.2936966	.9915105	.1276507

#1	2364.947	3375.650	49890.98	4287.500	4222.933
#2	2367.202	3373.990	49762.30	4216.520	4229.175
#3	2395.996	3376.826	50054.72	4213.010	4218.439

Sample Name: PB115415BS Acquired: 12/7/2018 16:27:20 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: LCS001 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0179605	.0515800	.0185809	.0737452	.1228907	.3781569
Stddev	.0053428	.0006574	.0008785	.0029708	.0006298	.0078341
%RSD	29.74740	1.274433	4.728152	4.028510	.5125208	2.071660

#1	.0234055	.0520995	.0184721	.0756519	.1224050	.3693443
#2	.0127262	.0508409	.0195088	.0703222	.1226647	.3843315
#3	.0177499	.0517995	.0177618	.0752616	.1236023	.3807949

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3963561	.0102382	.0100328	9.997400	.0220753	.0948060
Stddev	.0007837	.0000711	.0000593	.029450	.0003574	.0004890
%RSD	.1977195	.6941638	.5909746	.2945754	1.619042	.5158014

#1	.3958717	.0102497	.0099884	9.991705	.0216713	.0949930
#2	.3959363	.0103028	.0101001	9.971213	.0222045	.0942511
#3	.3972602	.0101620	.0100098	10.02928	.0223502	.0951740

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0493513	.2280378	.0319812	9.776640	.0795863	.0197167
Stddev	.0020400	.0298002	.0004179	.078732	.0004041	.0000794
%RSD	4.133665	13.06811	1.306755	.8053110	.5078002	.4024918

#1	.0516521	.2407274	.0316961	9.686719	.0797567	.0198068
#2	.0486385	.1939931	.0324609	9.833196	.0798773	.0196574
#3	.0477633	.2493930	.0317865	9.810006	.0791249	.0196859

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.500628	.1035880	.1194401	9.431860	F .0135245	.0188815
Stddev	.224231	.0061593	.0020416	.148826	.0009689	.0017283
%RSD	2.360167	5.945929	1.709328	1.577912	7.164089	9.153272

#1	9.573322	.1033602	.1197253	9.393697	.0146360	.0186970
#2	9.679493	.0975458	.1172709	9.305831	.0128583	.0206946
#3	9.249069	.1098581	.1213242	9.596051	.0130791	.0172528

Sample Name: PB115415BS Acquired: 12/7/2018 16:27:20 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: LCS001 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0198740	.1505905	.2065797	.0127551	.2065171	.0914182
Stddev	.0002567	.0009921	.0026112	.0000985	.0038017	.0015095
%RSD	1.291654	.6587974	1.264026	.7722042	1.840859	1.651240

#1	.0196502	.1515556	.2036323	.0128603	.2055848	.0910369
#2	.0201542	.1506424	.2086042	.0126650	.2032683	.0930819
#3	.0198175	.1495734	.2075025	.0127400	.2106982	.0901359

Elem	Sr4077
Units	ppm
Avg	.1984372
Stddev	.0009986
%RSD	.5032402

#1	.1983526
#2	.1974835
#3	.1994754

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2380.127	3360.012	50361.05	4250.940	4242.254
Stddev	16.463	7.203	361.94	21.026	4.738
%RSD	.6917027	.2143765	.7186807	.4946096	.1116896

#1	2364.887	3355.343	49954.44	4259.140	4237.297
#2	2397.588	3368.308	50648.01	4266.630	4246.738
#3	2377.905	3356.386	50480.71	4227.050	4242.729

Sample Name: PB115405BL Acquired: 12/7/2018 16:31:30 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: PBS002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001502	.0006603	-.000030	.0012390	-.000354	-.007724	.0010556
Stddev	.001349	.0004183	.001099	.0031868	.001817	.008518	.0003936
%RSD	89.83446	63.34438	3723.511	257.2070	513.2030	110.2684	37.28376

#1	-.002569	.0009980	.001194	-.002337	-.000364	-.000638	.0014049
#2	.000015	.0001924	-.000932	.003780	-.002167	-.005362	.0006292
#3	-.001951	.0007907	-.000350	.002273	.001468	-.017174	.0011327

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000141	.0000361	.0082673	.0006147	.0001947	-.002934	.0077037
Stddev	.0000596	.0000737	.0107862	.0003111	.0001676	.002134	.0128940
%RSD	421.7898	203.8985	130.4669	50.60959	86.05138	72.72508	167.3750

#1	-.000047	.0000117	-.001360	.0009722	.0000830	-.000740	.0058056
#2	.000017	.0001189	.019924	.0004672	.0001138	-.003061	-.004136
#3	.000072	-.000022	.006238	.0004048	.0003874	-.005002	.021442

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001534	-.062007	.0000644	.0007469	-.259839	.0015473	-.008152
Stddev	.0008105	.029980	.0001211	.0001289	.102271	.0067970	.016056
%RSD	528.2547	48.34852	187.9578	17.25494	39.35936	439.2819	196.9466

#1	.0001264	-.082412	.0002041	.0008791	-.161075	.0077191	-.010782
#2	-.000643	-.027587	.0000012	.0007400	-.365289	-.005738	.009056
#3	.000977	-.076023	-.000012	.0006216	-.253154	.002660	-.022731

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.161875	-.004071	-.003295	-.000011	-.003178	-.002179	-.000243
Stddev	.003376	.001353	.000553	.000190	.002060	.000388	.000555
%RSD	2.085627	33.22978	16.78586	1804.622	64.83444	17.82279	228.4818

#1	-.162611	-.005260	-.003172	.000009	-.003088	-.002503	-.000632
#2	-.164822	-.002599	-.003899	-.000209	-.005281	-.002287	-.000490
#3	-.158191	-.004353	-.002813	.000169	-.001164	-.001749	.000393

Sample Name: PB115405BL Acquired: 12/7/2018 16:31:30 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: PBS002 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001294	-.002950	.0000470
Stddev	.002984	.001008	.0000540
%RSD	230.6352	34.16483	114.9140

#1	.002119	-.003785	.0000342
#2	-.002587	-.003235	.0001062
#3	-.003414	-.001831	.0000005

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2364.667	3364.716	49848.03	4222.523	4226.816
Stddev	23.000	11.039	262.79	20.706	11.655
%RSD	.9726482	.3280861	.5271910	.4903754	.2757281

#1	2341.562	3352.716	49565.72	4203.230	4214.003
#2	2387.560	3374.440	50085.55	4219.940	4236.786
#3	2364.878	3366.991	49892.81	4244.400	4229.658

Sample Name: PB115405BS Acquired: 12/7/2018 16:35:41 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: LCS002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0182988	.0520878	.0183406	.0761604	.1226461	.3647526	.3950265
Stddev	.0023061	.0004127	.0004319	.0025017	.0010656	.0093651	.0011349
%RSD	12.60248	.7923786	2.355056	3.284747	.8688703	2.567534	.2872865

#1	.0201308	.0525340	.0180947	.0737129	.1230136	.3720409	.3963254
#2	.0190562	.0517196	.0180878	.0787130	.1214453	.3541899	.3942267
#3	.0157092	.0520099	.0188394	.0760552	.1234793	.3680270	.3945276

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0102820	.0099368	9.941325	.0216898	.0938793	.0544318	.2311963
Stddev	.0000559	.0000397	.045770	.0002428	.0006330	.0042156	.0125284
%RSD	.5435396	.3996590	.4604011	1.119519	.6743092	7.744766	5.418953

#1	.0102231	.0099128	9.972757	.0214273	.0933905	.0585162	.2289104
#2	.0103343	.0099827	9.888814	.0219064	.0936530	.0500962	.2447102
#3	.0102886	.0099150	9.962405	.0217357	.0945943	.0546829	.2199682

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0325749	9.738634	.0792549	.0196683	9.712829	.1063411	.1235501
Stddev	.0016228	.051706	.0001644	.0003872	.284697	.0052289	.0089207
%RSD	4.981759	.5309372	.2074352	1.968672	2.931141	4.917113	7.220297

#1	.0319753	9.700671	.0794426	.0192297	9.487989	.1053791	.1298393
#2	.0313372	9.797523	.0791859	.0199628	9.617555	.1016600	.1133406
#3	.0344122	9.717708	.0791362	.0198124	10.03295	.1119842	.1274704

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.436100	.0157072	.0172090	.0197902	.1488996	.2056505	.0121678
Stddev	.020167	.0005913	.0010063	.0001262	.0034565	.0022700	.0001599
%RSD	.2137263	3.764345	5.847446	.6374251	2.321379	1.103813	1.314411

#1	9.423723	.0152912	.0175252	.0197126	.1486040	.2070382	.0120114
#2	9.425205	.0163841	.0160826	.0197223	.1524945	.2068826	.0123311
#3	9.459372	.0154464	.0180192	.0199358	.1456004	.2030309	.0121608

Sample Name: PB115405BS Acquired: 12/7/2018 16:35:41 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: LCS002 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2095648	.0889086	.1981025
Stddev	.0017351	.0009738	.0000469
%RSD	.8279505	1.095280	.0236498

#1	.2084531	.0900330	.1981387
#2	.2086772	.0883572	.1981192
#3	.2115641	.0883357	.1980496

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2371.000	3360.152	50158.98	4243.537	4265.394
Stddev	5.915	4.044	105.20	17.251	6.130
%RSD	.2494573	.1203625	.2097313	.4065345	.1437066

#1	2376.791	3359.319	50263.26	4225.400	4260.887
#2	2364.969	3364.548	50160.78	4245.470	4272.374
#3	2371.240	3356.589	50052.89	4259.740	4262.921

Sample Name: J6138-01 Acquired: 12/7/2018 16:39:51 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F12 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0736448	.0694842	.0528869	.0961338	.1066558	89.25693	.7704078
Stddev	.0011922	.0015096	.0022460	.0018671	.0012636	.25187	.0014974
%RSD	1.618805	2.172607	4.246827	1.942203	1.184780	.2821810	.1943624

#1	.0739845	.0702585	.0538621	.0982879	.1056885	89.54765	.7706484
#2	.0746302	.0677446	.0544805	.0949790	.1061933	89.10475	.7717703
#3	.0723196	.0704496	.0503181	.0951345	.1080855	89.11838	.7688046

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0300580	.0291824	4.811246	.0630492	.7092445	.0731959	2.828076
Stddev	.0003640	.0001022	.019269	.0003359	.0014435	.0032980	.028346
%RSD	1.211082	.3500821	.4004919	.5327482	.2035287	4.505645	1.002322

#1	.0303624	.0291789	4.814107	.0631895	.7085914	.0695642	2.810201
#2	.0296548	.0292863	4.828924	.0626659	.7082430	.0740197	2.860760
#3	.0301569	.0290821	4.790706	.0632922	.7108992	.0760039	2.813268

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0901249	97.57898	.0773387	.0375449	8.041028	.4149309	.8439927
Stddev	.0022135	.78750	.0001726	.0002802	.033205	.0064440	.0232667
%RSD	2.456086	.8070409	.2232252	.7464080	.4129393	1.553042	2.756742

#1	.0924231	98.37470	.0772113	.0377331	8.061618	.4145448	.8173624
#2	.0880071	96.79996	.0772696	.0372228	8.002723	.4215593	.8603832
#3	.0899444	97.56229	.0775351	.0376787	8.058744	.4086885	.8542325

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.441239	-.001164	-.002160	.0004144	-.001741	.0009192	-.000820
Stddev	.077955	.000907	.000054	.0000955	.003944	.0005190	.000787
%RSD	1.047608	77.91826	2.499768	23.05344	226.6074	56.45957	96.03119

#1	7.424867	-.001576	-.002213	.0004097	-.005182	.0007489	-.001685
#2	7.526080	-.001792	-.002162	.0003213	-.002604	.0015020	-.000145
#3	7.372770	-.000124	-.002105	.0005122	.002564	.0005068	-.000629

Sample Name: J6138-01 Acquired: 12/7/2018 16:39:51 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F12 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0007253	-.003553	.0015674
Stddev	.0022388	.002400	.0000989
%RSD	308.6887	67.54274	6.310126

#1	.0017551	-.001308	.0016783
#2	-.001843	-.006083	.0014884
#3	.002264	-.003268	.0015355

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2367.984	3310.137	50145.90	4255.118	4098.681
Stddev	12.431	4.957	206.58	40.163	5.884
%RSD	.5249560	.1497521	.4119663	.9438788	.1435590

#1	2372.805	3312.775	50183.84	4212.648	4099.986
#2	2353.865	3313.218	49922.98	4292.486	4103.803
#3	2377.282	3304.419	50330.89	4260.221	4092.254

Sample Name: J6138-02 Acquired: 12/7/2018 16:43:58 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F12D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0746460	.0695722	.0549330	.0943902	.1062518	89.62321	.7726425
Stddev	.0033010	.0003970	.0007370	.0017764	.0013759	.14147	.0023820
%RSD	4.422232	.5705838	1.341584	1.881937	1.294941	.1578489	.3082891

#1	.0779732	.0698498	.0555151	.0943859	.1046756	89.72868	.7715848
#2	.0745931	.0697492	.0541043	.0926159	.1072123	89.67851	.7753702
#3	.0713717	.0691175	.0551795	.0961686	.1068676	89.46245	.7709726

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0300587	.0292568	4.799995	.0624883	.7095587	.0748973	2.852506
Stddev	.0003044	.0001635	.031091	.0006120	.0006375	.0034566	.044712
%RSD	1.012534	.5587842	.6477267	.9794529	.0898492	4.615054	1.567481

#1	.0303954	.0291942	4.808776	.0626797	.7088245	.0716326	2.883076
#2	.0298030	.0291338	4.765458	.0618035	.7098789	.0745411	2.873253
#3	.0299779	.0294423	4.825751	.0629818	.7099727	.0785182	2.801189

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0884191	98.16084	.0770508	.0378804	8.037867	.4184297	.8432113
Stddev	.0023204	.67492	.0001478	.0006452	.197445	.0072851	.0149099
%RSD	2.624355	.6875611	.1918786	1.703327	2.456433	1.741052	1.768232

#1	.0902413	98.74180	.0769420	.0377873	8.226441	.4112604	.8576992
#2	.0892092	98.32022	.0772192	.0372868	8.054550	.4258253	.8440223
#3	.0858068	97.42050	.0769913	.0385671	7.832610	.4182033	.8279124

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.442748	-.001898	-.004212	.0002103	-.004288	.0002389	-.001231
Stddev	.037789	.000556	.000934	.0003060	.001875	.0017867	.000163
%RSD	.5077285	29.27997	22.16337	145.5063	43.71746	747.9704	13.23243

#1	7.443885	-.002172	-.003519	.0002564	-.002468	.0016535	-.001309
#2	7.404403	-.002263	-.005274	-.000116	-.006213	-.001769	-.001044
#3	7.479956	-.001258	-.003843	.000491	-.004185	.000832	-.001341

Sample Name: J6138-02 Acquired: 12/7/2018 16:43:58 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MX2F12D Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000241	-.002745	.0015703
Stddev	.000905	.001421	.0000775
%RSD	375.4267	51.76970	4.938089

#1	-.000685	-.004386	.0016479
#2	-.000839	-.001975	.0014928
#3	.000800	-.001875	.0015702

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2361.437	3319.291	50200.79	4245.932	4102.450
Stddev	14.989	3.390	153.06	17.949	4.976
%RSD	.6347211	.1021198	.3048868	.4227228	.1213031

#1	2353.409	3316.428	50359.96	4226.375	4104.047
#2	2352.173	3323.034	50054.68	4261.651	4106.432
#3	2378.730	3318.411	50187.73	4249.771	4096.872

Sample Name: J6138-03 Acquired: 12/7/2018 16:48:04 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F12S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1082016	.1218728	.0698941	.1448560	.1998274	90.81516	2.688527
Stddev	.0034663	.0024661	.0017488	.0023104	.0010129	.07946	.011695
%RSD	3.203530	2.023538	2.502071	1.594998	.5068873	.0874966	.4349967

#1	.1045779	.1196499	.0715750	.1432118	.2009590	90.88262	2.678181
#2	.1085415	.1214429	.0700228	.1438586	.1995179	90.72757	2.701216
#3	.1114854	.1245257	.0680845	.1474977	.1990055	90.83528	2.686184

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0789909	.0775014	4.798635	.2575500	1.162565	.3259056	3.876542
Stddev	.0006383	.0000736	.022190	.0008923	.000638	.0053104	.065579
%RSD	.8080451	.0949630	.4624314	.3464592	.0548671	1.629429	1.691679

#1	.0795781	.0774172	4.794415	.2572407	1.162007	.3198401	3.933800
#2	.0790830	.0775332	4.822633	.2568535	1.163260	.3297179	3.890828
#3	.0783116	.0775537	4.778858	.2585558	1.162428	.3281588	3.804998

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5666940	97.81974	.5506802	.0792789	7.721058	.9359069	1.323304
Stddev	.0038376	1.11115	.0004533	.0004161	.348915	.0085939	.010087
%RSD	.6771877	1.135920	.0823167	.5248317	4.519006	.9182409	.7622529

#1	.5655429	99.09521	.5507093	.0795350	7.341758	.9369754	1.311765
#2	.5709754	97.06144	.5502131	.0795029	8.028354	.9439167	1.327700
#3	.5635637	97.30255	.5511183	.0787988	7.793062	.9268288	1.330447

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.389283	-.001221	-.002031	.0002217	-.001296	.0013918	-.001259
Stddev	.103721	.002397	.001123	.0002131	.000577	.0008276	.001533
%RSD	1.403666	196.3437	55.29101	96.12417	44.50166	59.46651	121.7474

#1	7.439571	-.003713	-.002107	.0000908	-.001493	.0008186	.000483
#2	7.458273	.001069	-.000872	.0001067	-.001748	.0010160	-.002402
#3	7.270004	-.001019	-.003115	.0004676	-.000646	.0023406	-.001858

Sample Name: J6138-03 Acquired: 12/7/2018 16:48:04 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MX2F12S Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0001376	-.004302	.0015676
Stddev	.0024786	.000556	.0000724
%RSD	1801.782	12.93613	4.617391

#1	.0025550	-.003923	.0016118
#2	.0002557	-.004042	.0014841
#3	-.002398	-.004940	.0016070

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2359.665	3312.134	49990.03	4253.386	4102.858
Stddev	16.495	6.717	104.86	23.355	7.688
%RSD	.6990433	.2027874	.2097687	.5491003	.1873871

#1	2360.733	3309.425	50027.23	4245.939	4096.224
#2	2342.662	3307.195	49871.63	4234.663	4101.067
#3	2375.600	3319.782	50071.22	4279.557	4111.284

Sample Name: J6138-01LX5 Acquired: 12/7/2018 16:52:02 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F12L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135409	.0141517	.0107631	.0204348	.0223619	18.01714	.1560386
Stddev	.0012835	.0009533	.0018901	.0041110	.0015706	.09237	.0016801
%RSD	9.478301	6.736203	17.56137	20.11782	7.023737	.5127032	1.076692

#1	.0120725	.0145892	.0089976	.0202388	.0208292	17.96264	.1577737
#2	.0144486	.0130582	.0127572	.0164252	.0222887	17.96499	.1559224
#3	.0141017	.0148077	.0105345	.0246403	.0239679	18.12380	.1544197

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060886	.0058988	.9692743	.0128570	.1419728	.0162373	.5509489
Stddev	.0000696	.0000132	.0337340	.0005064	.0001848	.0002765	.0237655
%RSD	1.143608	.2241520	3.480337	3.938694	.1301476	1.702876	4.313557

#1	.0061268	.0059001	.9305482	.0122740	.1419907	.0159513	.5280514
#2	.0061307	.0058849	.9922709	.0131088	.1421479	.0165031	.5492988
#3	.0060082	.0059112	.9850037	.0131880	.1417797	.0162576	.5754964

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0182216	19.63206	.0154668	.0078879	1.153969	.0794769	.1774904
Stddev	.0020126	.09882	.0002298	.0006272	.070396	.0054816	.0040222
%RSD	11.04492	.5033821	1.485930	7.951469	6.100361	6.897103	2.266148

#1	.0177175	19.59581	.0156607	.0082696	1.235212	.0787388	.1820715
#2	.0204384	19.74389	.0155268	.0082302	1.115633	.0744017	.1758617
#3	.0165091	19.55648	.0152129	.0071641	1.111060	.0852901	.1745380

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.341425	-.002504	-.006343	.0001583	-.002457	-.001835	-.000458
Stddev	.010171	.002360	.000180	.0000946	.001778	.000551	.000845
%RSD	.7582256	94.25298	2.833295	59.74641	72.37196	30.01460	184.4910

#1	1.330341	-.003793	-.006343	.0001432	-.004355	-.002371	-.001433
#2	1.350330	.000220	-.006522	.0002595	-.002184	-.001270	.000067
#3	1.343604	-.003939	-.006163	.0000722	-.000831	-.001866	-.000008

Sample Name: J6138-01LX5 Acquired: 12/7/2018 16:52:02 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MX2F12L Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0006995	-.004594	.0003297
Stddev	.0014267	.001685	.0000146
%RSD	203.9578	36.68709	4.427273

#1	.0019041	-.002661	.0003394
#2	.0010706	-.005753	.0003129
#3	-.000876	-.005368	.0003368

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2381.760	3352.900	50394.17	4291.470	4226.239
Stddev	10.774	12.704	71.55	16.154	7.902
%RSD	.4523465	.3788945	.1419733	.3764185	.1869715

#1	2375.455	3342.094	50312.69	4295.380	4218.260
#2	2394.200	3349.710	50423.07	4273.720	4226.395
#3	2375.624	3366.894	50446.74	4305.310	4234.061

Sample Name: J6138-13 Acquired: 12/7/2018 16:56:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F16 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0855935	.0072383	.0908940	.1871567	.0787684	29.92944	2.455611
Stddev	.0012657	.0025050	.0006090	.0034280	.0017537	.13001	.003816
%RSD	1.478718	34.60704	.6699633	1.831616	2.226334	.4343858	.1554137

#1	.0865429	.0078294	.0901921	.1878820	.0776487	29.98179	2.455852
#2	.0841565	.0093948	.0912079	.1901640	.0778671	30.02512	2.451679
#3	.0860811	.0044906	.0912819	.1834241	.0807894	29.78142	2.459301

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006512	.0009233	68.20095	.1327161	.3883328	.1446371	26.13648
Stddev	.0001073	.0000555	.13616	.0004432	.0005000	.0012174	.18595
%RSD	16.48017	6.014853	.1996440	.3339207	.1287552	.8416940	.7114411

#1	.0007751	.0009229	68.31914	.1323457	.3886533	.1432742	26.13393
#2	.0005915	.0008679	68.05206	.1325954	.3877567	.1456168	26.32370
#3	.0005869	.0009789	68.23166	.1332071	.3885885	.1450201	25.95183

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2254104	2.466682	.0086720	.1103019	61.47879	.7250304	.3678379
Stddev	.0048798	.048246	.0004333	.0008568	.46335	.0069465	.0148972
%RSD	2.164864	1.955926	4.996816	.7767913	.7536786	.9580996	4.049931

#1	.2270344	2.521407	.0081897	.1101373	61.55611	.7330168	.3724687
#2	.2199256	2.430285	.0090286	.1112291	61.89861	.7216835	.3798697
#3	.2292711	2.448355	.0087975	.1095394	60.98164	.7203910	.3511752

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	79.70244	.0974776	.0025147	.0028761	.4889137	2.138542	.0009230
Stddev	.27365	.0013240	.0001610	.0001226	.0092400	.017693	.0018770
%RSD	.3433436	1.358225	6.403841	4.263179	1.889903	.8273461	203.3514

#1	79.99403	.0966224	.0023434	.0027345	.4937908	2.152737	.0004356
#2	79.66211	.0990026	.0026629	.0029467	.4946933	2.144168	.0029956
#3	79.45120	.0968077	.0025378	.0029471	.4782570	2.118720	-.000662

Sample Name: J6138-13 Acquired: 12/7/2018 16:56:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F16 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4899486	-.001477	.0267699
Stddev	.0017982	.000479	.0002371
%RSD	.3670184	32.44532	.8858329

#1	.4919956	-.001146	.0267051
#2	.4892268	-.001259	.0270326
#3	.4886235	-.002027	.0265718

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2410.011	3341.403	51027.52	4362.637	4082.676
Stddev	19.698	4.184	209.20	46.404	6.578
%RSD	.8173307	.1252055	.4099772	1.063676	.1611181

#1	2396.965	3342.624	50818.45	4321.441	4083.090
#2	2400.398	3336.745	51027.26	4353.561	4075.901
#3	2432.669	3344.841	51236.85	4412.909	4089.037

Sample Name: J6138-15 Acquired: 12/7/2018 17:04:12 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F16S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1634348	.1222045	.1286188	.2790596	.2749004	33.39100	6.647827
Stddev	.0029209	.0018550	.0009593	.0029274	.0023884	.12655	.023073
%RSD	1.787221	1.517920	.7458285	1.049012	.8688239	.3789957	.3470716

#1	.1617627	.1234402	.1294743	.2783094	.2763615	33.27892	6.627081
#2	.1617341	.1200715	.1288005	.2765804	.2761956	33.52824	6.672676
#3	.1668076	.1231019	.1275817	.2822891	.2721442	33.36584	6.643725

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1057747	.1073635	66.77479	.5500019	1.412780	.6858603	28.10811
Stddev	.0007431	.0000942	.20881	.0021460	.002321	.0041662	.11666
%RSD	.7025259	.0877367	.3127024	.3901711	.1643102	.6074417	.4150269

#1	.1057044	.1074721	66.53500	.5485043	1.414065	.6890057	27.97809
#2	.1050693	.1073151	66.91650	.5490409	1.414175	.6874398	28.14261
#3	.1065505	.1073034	66.87286	.5524604	1.410101	.6811353	28.20362

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.254189	2.482825	1.058123	.1994570	60.46440	1.870575	1.435986
Stddev	.003251	.104352	.001325	.0005998	.55380	.009858	.016875
%RSD	.2592272	4.202964	.1252645	.3007117	.9159110	.5269877	1.175148

#1	1.254541	2.589164	1.058642	.1991256	60.00121	1.866213	1.417775
#2	1.250776	2.478730	1.059111	.2001494	61.07782	1.881862	1.439089
#3	1.257249	2.380580	1.056617	.1990960	60.31418	1.863652	1.451094

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	78.36509	.0929582	.0037969	.0029089	.4713445	2.146525	.0014541
Stddev	.11224	.0013183	.0010433	.0000961	.0035328	.011072	.0008182
%RSD	.1432210	1.418170	27.47798	3.304657	.7495219	.5158014	56.26666

#1	78.26953	.0914459	.0048646	.0030124	.4690668	2.159294	.0013111
#2	78.48869	.0938645	.0027798	.0028921	.4754142	2.139588	.0007169
#3	78.33706	.0935642	.0037465	.0028223	.4695525	2.140694	.0023344

Sample Name: J6138-15 Acquired: 12/7/2018 17:04:12 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MX2F16S Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4791195	-.001490	.0263185
Stddev	.0044565	.002441	.0001151
%RSD	.9301499	163.8339	.4372095

#1	.4834543	-.003533	.0261978
#2	.4793536	-.002150	.0264270
#3	.4745505	.001213	.0263306

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2402.737	3341.299	51024.06	4307.206	4097.967
Stddev	19.742	3.382	119.51	6.687	4.955
%RSD	.8216517	.1012100	.2342165	.1552598	.1209104

#1	2387.905	3339.315	51029.31	4301.455	4092.967
#2	2395.161	3339.378	50902.02	4314.544	4098.059
#3	2425.145	3345.204	51140.86	4305.618	4102.876

Sample Name: J6138-14 Acquired: 12/7/2018 17:30:40 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F16D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0861999	.0078173	.0904288	.1873500	.0789143	29.89477	2.450063
Stddev	.0022841	.0016605	.0007821	.0039898	.0008293	.05226	.003863
%RSD	2.649756	21.24163	.8648934	2.129614	1.050827	.1748085	.1576869

#1	.0855105	.0084668	.0904862	.1898420	.0790029	29.91099	2.452700
#2	.0843400	.0090549	.0911807	.1894599	.0796958	29.83633	2.445628
#3	.0887493	.0059302	.0896196	.1827482	.0780444	29.93700	2.451860

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006501	.0009011	67.78977	.1314940	.3856875	.1404780	26.30346
Stddev	.0000574	.0001040	.22522	.0004042	.0005133	.0007360	.07472
%RSD	8.833605	11.54545	.3322390	.3073949	.1330834	.5239517	.2840634

#1	.0005838	.0010212	67.77049	.1312966	.3856640	.1413052	26.28987
#2	.0006810	.0008414	67.57479	.1319590	.3851863	.1398954	26.38405
#3	.0006854	.0008406	68.02401	.1312265	.3862121	.1402334	26.23647

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2211742	2.459955	.0084284	.1094206	61.65040	.7293684	.3721849
Stddev	.0014852	.049224	.0000929	.0006840	.14346	.0062388	.0122737
%RSD	.6715224	2.001009	1.102061	.6251102	.2327068	.8553756	3.297751

#1	.2195612	2.467300	.0084940	.1096821	61.55986	.7339825	.3773056
#2	.2214762	2.505094	.0084691	.1086444	61.57554	.7222702	.3810691
#3	.2224853	2.407471	.0083221	.1099353	61.81582	.7318526	.3581800

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	79.33147	.0964654	.0029601	.0026132	.4764531	2.213851	.0005676
Stddev	.43507	.0037780	.0004450	.0003159	.0028401	.027511	.0001350
%RSD	.5484176	3.916399	15.03423	12.08780	.5960812	1.242666	23.77483

#1	79.46685	.0959061	.0034453	.0028766	.4737631	2.189111	.0006986
#2	78.84480	.0929983	.0028644	.0027002	.4794226	2.208965	.0005751
#3	79.68275	.1004918	.0025708	.0022630	.4761737	2.243477	.0004290

Sample Name: J6138-14 Acquired: 12/7/2018 17:30:40 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MX2F16D Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4889241	.0012061	.0267089
Stddev	.0026856	.0005003	.0000957
%RSD	.5492977	41.47600	.3584259

#1	.4903074	.0012374	.0267316
#2	.4906361	.0016900	.0267913
#3	.4858288	.0006910	.0266039

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2388.368	3342.792	50792.63	4386.921	4098.767
Stddev	22.195	6.363	177.27	39.723	8.204
%RSD	.9292997	.1903365	.3490171	.9054863	.2001679

#1	2364.577	3350.030	50612.05	4378.056	4106.383
#2	2392.012	3338.082	50799.44	4430.327	4090.080
#3	2408.516	3340.265	50966.40	4352.379	4099.839

Sample Name: J6138-13LX5 Acquired: 12/7/2018 17:34:43 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MX2F16L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184661	.0024601	.0176393	.0419445	.0172942	6.207835	.5120960
Stddev	.0027514	.0005390	.0008432	.0025222	.0023043	.015203	.0013216
%RSD	14.89963	21.90988	4.780181	6.013234	13.32410	.2449029	.2580755

#1	.0153307	.0021460	.0166680	.0394805	.0189662	6.210259	.5134405
#2	.0195895	.0030825	.0181834	.0445211	.0182506	6.221681	.5120488
#3	.0204779	.0021518	.0180664	.0418319	.0146657	6.191566	.5107986

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001800	.0001534	14.10128	.0279599	.0780521	.0277001	5.591132
Stddev	.0000117	.0000362	.04345	.0003705	.0001899	.0004128	.027349
%RSD	6.487289	23.61401	.3081622	1.324972	.2433015	1.490119	.4891545

#1	.0001683	.0001858	14.14632	.0280550	.0778511	.0274312	5.566476
#2	.0001803	.0001601	14.05960	.0282736	.0780767	.0274939	5.620549
#3	.0001916	.0001143	14.09792	.0275512	.0782285	.0281754	5.586372

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0473047	.5106768	.0018326	.0230202	12.92311	.1435648	.0728273
Stddev	.0006781	.0722008	.0002599	.0003795	.28495	.0061614	.0152194
%RSD	1.433561	14.13826	14.18450	1.648706	2.204962	4.291712	20.89787

#1	.0471410	.5631218	.0016901	.0225877	13.18603	.1373119	.0664866
#2	.0467234	.4283285	.0021326	.0231750	12.96297	.1437522	.0901919
#3	.0480497	.5405799	.0016750	.0232979	12.62033	.1496304	.0618035

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.10111	.0178903	-.004638	.0006670	.0931108	.4681744	-.000984
Stddev	.08081	.0022801	.000370	.0003021	.0007913	.0063068	.000181
%RSD	.5018875	12.74477	7.980226	45.28308	.8498701	1.347104	18.44963

#1	16.14351	.0168022	-.004928	.0003486	.0931867	.4752658	-.000781
#2	16.00792	.0163580	-.004766	.0007031	.0938614	.4631936	-.001132
#3	16.15189	.0205105	-.004221	.0009495	.0922843	.4660636	-.001037

Sample Name: J6138-13LX5 Acquired: 12/7/2018 17:34:43 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MX2F16L Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1028985	-.003332	.0055489
Stddev	.0038643	.000807	.0002207
%RSD	3.755483	24.20874	3.977503

#1	.1008077	-.002668	.0056603
#2	.1005300	-.004230	.0052947
#3	.1073578	-.003098	.0056917

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2400.347	3340.655	50585.91	4300.175	4268.094
Stddev	34.753	6.460	546.50	46.825	.992
%RSD	1.447825	.1933755	1.080340	1.088906	.0232379

#1	2391.099	3333.217	50717.10	4257.047	4268.466
#2	2371.153	3343.888	49985.76	4349.980	4268.847
#3	2438.788	3344.861	51054.88	4293.498	4266.970

Sample Name: CCV039 Acquired: 12/7/2018 17:38:50 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV039 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.882385	4.809658	24.61698	4.728950	4.886130	410.4125
Stddev	.011388	.011775	.04019	.010193	.002695	1.7814
%RSD	.2332458	.2448287	.1632444	.2155390	.0551542	.4340461

#1	4.881817	4.800248	24.62475	4.732032	4.885228	410.8056
#2	4.894047	4.805861	24.57348	4.737246	4.889159	408.4675
#3	4.871292	4.822863	24.65272	4.717572	4.884001	411.9646

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.894220	.5078939	2.497267	395.4056	14.99002	2.464705
Stddev	.015669	.0043760	.002044	.5692	.02664	.001991
%RSD	.1583671	.8615955	.0818522	.1439604	.1777242	.0807830

#1	9.909967	.5028608	2.495617	394.7825	14.97534	2.464203
#2	9.878629	.5107976	2.496632	395.5360	15.02078	2.463013
#3	9.894063	.5100234	2.499554	395.8983	14.97396	2.466899

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.21964	433.5974	14.44349	434.2319	2.452555	1.194471
Stddev	.04626	3.0187	.04094	2.7756	.005882	.000144
%RSD	.3039381	.6962050	.2834655	.6392000	.2398366	.0120609

#1	15.23025	433.9682	14.41672	434.2224	2.447781	1.194336
#2	15.16900	430.4104	14.49062	431.4610	2.450759	1.194455
#3	15.25968	436.4136	14.42313	437.0122	2.459126	1.194623

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	409.2537	2.650188	16.08490	155.4561	4.763727	5.170142
Stddev	2.5928	.020889	.23890	.5968	.019610	.036661
%RSD	.6335360	.7882053	1.485220	.3839008	.4116455	.7090815

#1	410.0017	2.673432	16.33285	155.3048	4.766307	5.127815
#2	406.3691	2.632986	15.85623	154.9495	4.742955	5.191843
#3	411.3902	2.644145	16.06561	156.1140	4.781919	5.190770

Sample Name: CCV039 Acquired: 12/7/2018 17:38:50 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV039 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.900824	F 4.491941	5.070030	4.975530	5.168865	5.063731
Stddev	.002422	.009875	.045569	.004573	.021648	.019820
%RSD	.0494127	.2198431	.8987919	.0918998	.4188105	.3914025

#1	4.899468	4.503072	5.019618	4.972546	5.191032	5.075580
#2	4.903620	4.488516	5.108294	4.973250	5.147777	5.040850
#3	4.899384	4.484234	5.082180	4.980795	5.167787	5.074762

Elem	Sr4077
Units	ppm
Avg	5.008531
Stddev	.006478
%RSD	.1293417

#1	5.009546
#2	5.001605
#3	5.014442

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2095.047	2856.502	47137.52	4081.808	3351.451
Stddev	11.039	3.997	132.92	29.177	7.225
%RSD	.5269298	.1399422	.2819839	.7147942	.2155848

#1	2087.835	2859.556	47062.14	4113.060	3354.633
#2	2107.755	2857.973	47291.00	4077.078	3356.539
#3	2089.550	2851.978	47059.43	4055.285	3343.181

Sample Name: CCB039 Acquired: 12/7/2018 17:42:37 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB039 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015136	.0010952	-.000372	.0015117	-.000372	-.009960	.0018691
Stddev	.0012025	.0015764	.000981	.0016616	.000365	.007154	.0004685
%RSD	79.44582	143.9388	264.0401	109.9129	98.02618	71.82259	25.06801

#1	.0016213	-.000492	-.000890	.0033937	-.000775	-.017282	.0024041
#2	.0026585	.002660	-.000985	.0002474	-.000277	-.002987	.0016713
#3	.0002609	.001117	.000760	.0008941	-.000064	-.009611	.0015320

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000258	.0000675	.0003021	.0002073	-.000073	.0022516	-.001959
Stddev	.0000245	.0000515	.0082047	.0000664	.000061	.0013446	.006001
%RSD	94.91938	76.35283	2716.159	32.02153	83.04071	59.71782	306.3186

#1	.0000427	.0000550	.0023057	.0002837	-.000029	.0037960	.004779
#2	-.000002	.0001241	.0073194	.0001754	-.000142	.0013415	-.006727
#3	.000037	.0000233	-.008719	.0001630	-.000047	.0016173	-.003930

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000228	-.022764	.0001712	.0009272	-.127587	.0029798	.0056511
Stddev	.000926	.053586	.0000702	.0005705	.273543	.0082325	.0091942
%RSD	405.5029	235.4009	40.98126	61.52568	214.3977	276.2804	162.6973

#1	.000715	-.071798	.0000939	.0002903	-.199374	-.006516	.0156166
#2	-.001135	.034437	.0001890	.0011000	-.358078	.008119	-.002502
#3	-.000265	-.030930	.0002307	.0013912	.174692	.007336	.003839

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.134269	-.001967	.0035519	.0000632	-.005433	-.001404	.0001572
Stddev	.062204	.001505	.0010665	.0002215	.004805	.000354	.0005216
%RSD	46.32805	76.48452	30.02620	350.8021	88.43226	25.23340	331.7990

#1	-.062853	-.003287	.0047118	.0000459	-.000041	-.001014	.0007594
#2	-.176627	-.000329	.0033300	-.000149	-.009259	-.001706	-.000153
#3	-.163328	-.002287	.0026138	.000293	-.007001	-.001492	-.000135

Sample Name: CCB039 Acquired: 12/7/2018 17:42:37 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v743) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: CCB039 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0014450	-.000328	.0000275
Stddev	.0019593	.001422	.0000509
%RSD	135.5843	434.1082	185.5141

#1	.0005880	-.001726	.0000440
#2	.0000604	-.000374	.0000680
#3	.0036868	.001117	-.000030

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2362.120	3334.960	49939.81	4255.070	4234.593
Stddev	11.348	1.540	116.16	59.684	2.396
%RSD	.4804074	.0461655	.2325994	1.402645	.0565916

#1	2357.149	3333.192	49887.26	4188.590	4235.470
#2	2375.105	3336.008	50072.96	4304.040	4231.882
#3	2354.106	3335.679	49859.21	4272.580	4236.428