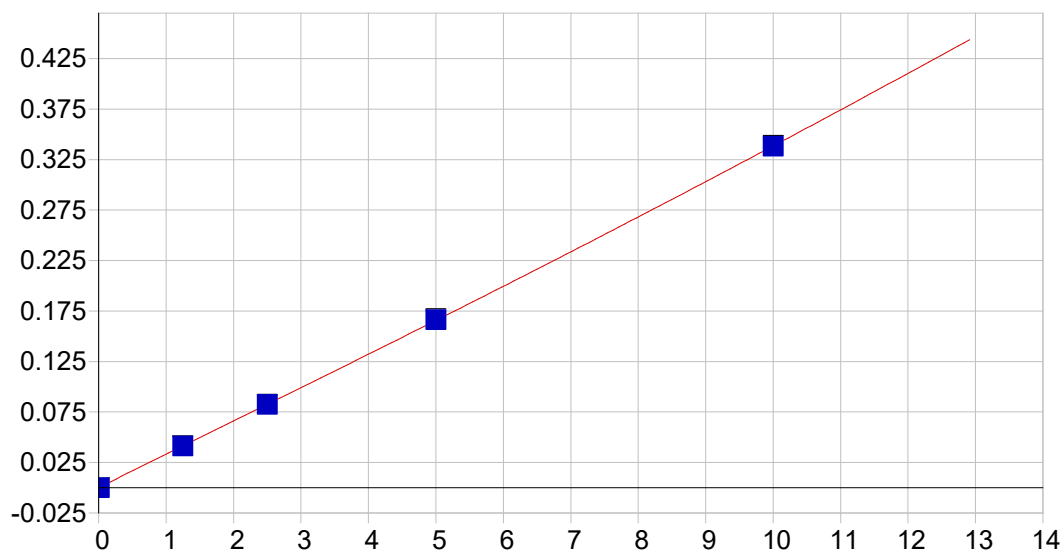




As 189.042 {479}

Date of Fit: 08/05/2021 16:56:33

Type of Fit: Full Fit

Weighting: 1/Conc

A0 (Offset): -0.000350

Re-Slope: 1.000000

A1 (Gain): 0.033323

Y-int: 0.000000

A2 (Curvature): 0.000319

n (Exponent): 0.970000

Correlation: 0.999988

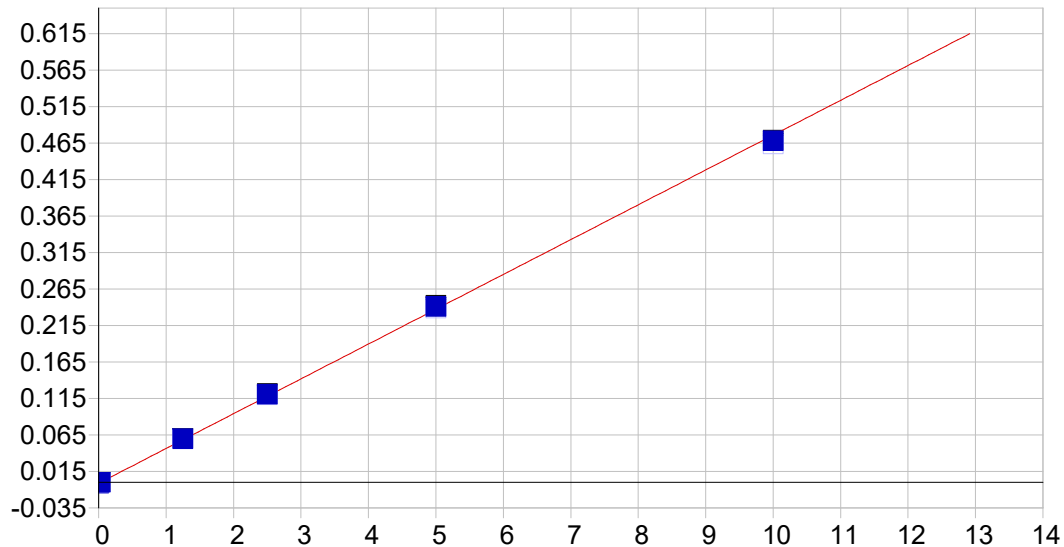
Status: Warning Positive Curvature

Std Error of Est: 0.000004

Predicted MDL: 0.006202

Predicted MQL: 0.020673

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00035	.000	1
S1	.01000	.01150	.002	15.0	.00009	.000	1
S2	1.2500	1.2412	-.009	-.701	.04120	.000	1
S3	2.5000	2.4934	-.007	-.265	.08231	.000	1
S4	5.0000	5.0217	.022	.435	.16627	.001	1
S5	10.000	9.9921	-.008	-.079	.33793	.001	1

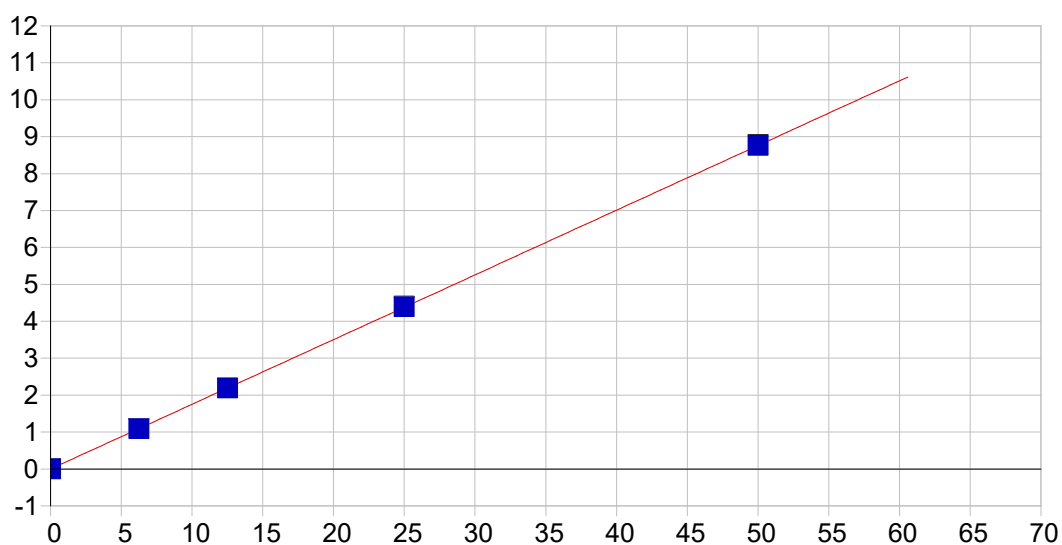


TI 190.856 {477}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001289 Re-Slope: 1.000000
 A1 (Gain): 0.047712 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999834 Status: OK.
 Std Error of Est: 0.000023
 Predicted MDL: 0.004668
 Predicted MQL: 0.015558

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00129	.000	1
S1	.02500	.02548	.000	1.91	-.00013	.000	1
S2	1.2500	1.2829	.033	2.63	.05937	.000	1
S3	2.5000	2.5576	.058	2.31	.11965	.001	1
S4	5.0000	5.0757	.076	1.51	.23871	.002	1
S5	10.000	9.8334	-.167	-1.67	.46354	.001	1

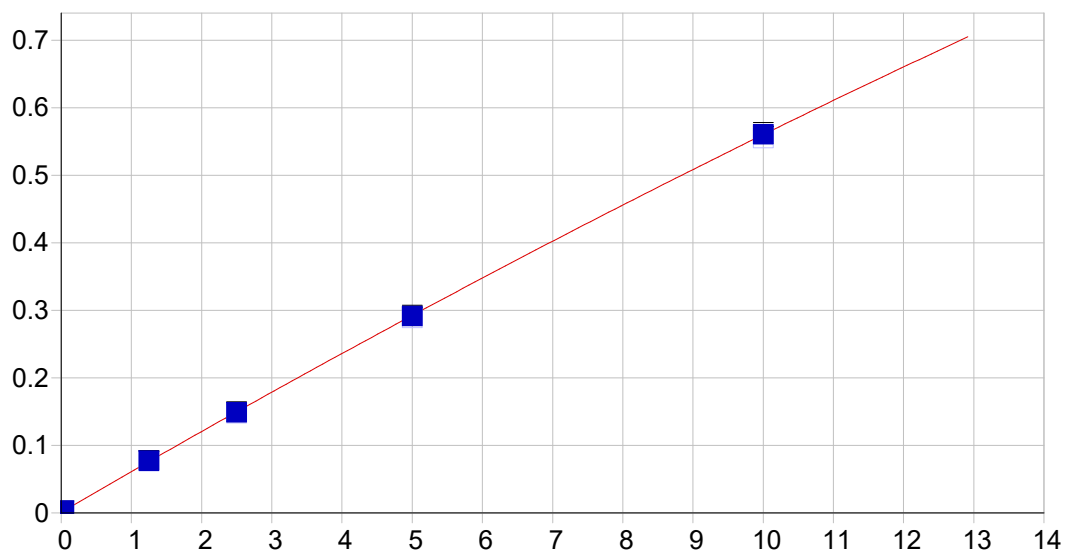


Pb 220.353 {453}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000313 Re-Slope: 1.000000
 A1 (Gain): 0.175206 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999995 Status: OK.
 Std Error of Est: 0.000020
 Predicted MDL: 0.002596
 Predicted MQL: 0.008652

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00031	.000	1
S1	.01000	.00844	-.002	-15.6	.00179	.000	1
S2	6.2500	6.2028	-.047	-.755	1.0877	.002	1
S3	12.500	12.470	-.030	-.236	2.1865	.005	1
S4	25.000	25.065	.065	.261	4.3944	.013	1
S5	50.000	50.013	.013	.026	8.7679	.015	1

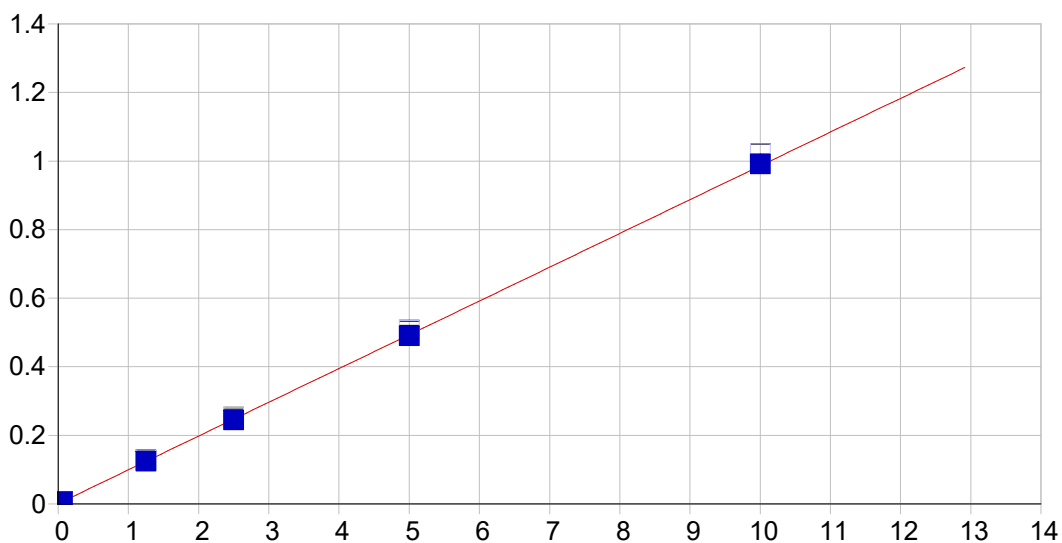


Se 196.090 {472}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.000982 Re-Slope: 1.000000
 A1 (Gain): 0.060691 Y-int: 0.000000
 A2 (Curvature): -0.000478
 n (Exponent): 1.000000
 Correlation: 0.999984 Status: OK.
 Std Error of Est: 0.000012
 Predicted MDL: 0.004110
 Predicted MQL: 0.013701

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00098	.000	1
S1	.03500	.03691	.002	5.46	.00322	.000	1
S2	1.2500	1.2690	.019	1.52	.07652	.000	1
S3	2.5000	2.4858	-.014	-.567	.14748	.001	1
S4	5.0000	4.9827	-.017	-.346	.28870	.001	1
S5	10.000	10.011	.011	.107	.55502	.003	1

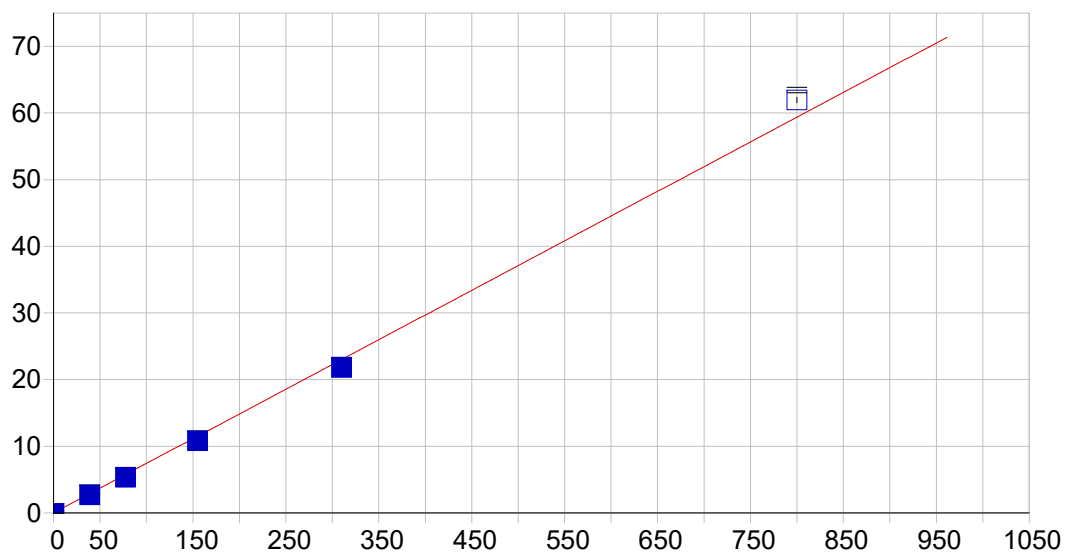


Sb 206.833 {463}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000834 Re-Slope: 1.000000
 A1 (Gain): 0.098504 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999983 Status: OK.
 Std Error of Est: 0.000024
 Predicted MDL: 0.002822
 Predicted MQL: 0.009406

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00083	.000	1
S1	.06000	.06077	.001	1.29	.00682	.000	1
S2	1.2500	1.2518	.002	.145	.12790	.000	1
S3	2.5000	2.4762	-.024	-.953	.25226	.001	1
S4	5.0000	4.9699	-.030	-.602	.50542	.001	1
S5	10.000	10.051	.051	.514	1.0210	.000	1

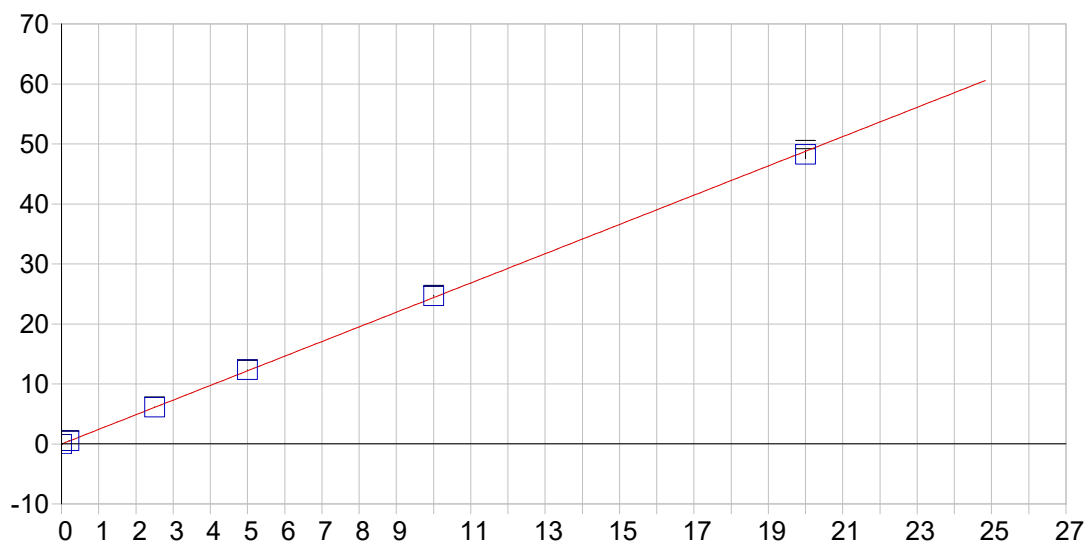


AI 396.152 { 85}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.001239	Re-Slope:	1.000000
A1 (Gain):	0.074219	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998689	Status:	OK.
Std Error of Est:	0.002365		
Predicted MDL:	0.008717		
Predicted MQL:	0.029055		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00004	.000	.000	.00124	.000	1
S1	.20000	.20722	.007	3.61	.01664	.000	1
S2	38.750	35.909	-2.84	-7.33	2.6694	.008	1
S3	77.500	71.635	-5.87	-7.57	5.3240	.001	1
S4	155.00	145.40	-9.60	-6.19	10.805	.013	1
S5	310.00	293.55	-16.4	-5.31	21.813	.049	1
S6	800.00	834.78	34.8	4.35	61.958	.401	1

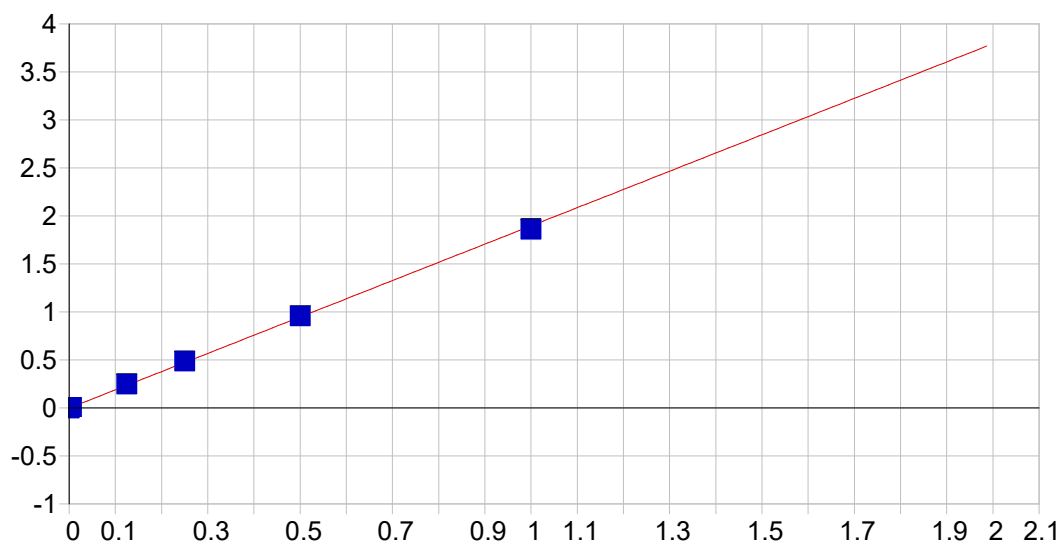


Ba 493.409 { 68}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.017463 Re-Slope: 1.000000
 A1 (Gain): 2.439772 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999931 Status: OK.
 Std Error of Est: 0.003057
 Predicted MDL: 0.000748
 Predicted MQL: 0.002493

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.01750	.001	1
S1	.20000	.20873	.009	4.36	.49178	.002	1
S2	2.5000	2.5208	.021	.830	6.1326	.010	1
S3	5.0000	5.0639	.064	1.28	12.337	.023	1
S4	10.000	10.123	.123	1.23	24.681	.075	1
S5	20.000	19.783	-.217	-1.08	48.249	.702	1

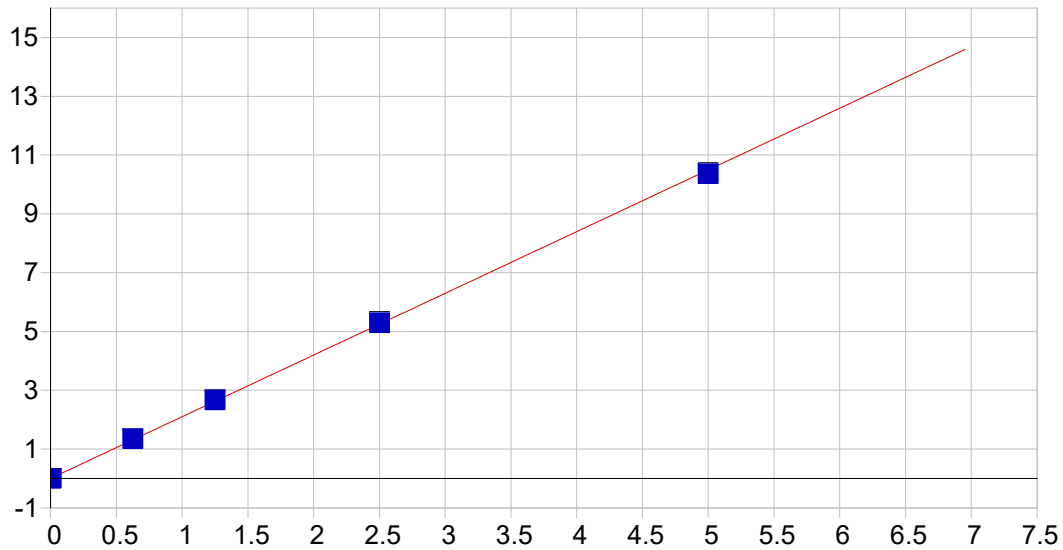


Be 234.861 {144}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001692 Re-Slope: 1.000000
 A1 (Gain): 1.897715 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999734 Status: OK.
 Std Error of Est: 0.000164
 Predicted MDL: 0.000117
 Predicted MQL: 0.000391

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00169	.000	1
S1	.00500	.00556	.001	11.2	.00886	.000	1
S2	.12500	.13138	.006	5.11	.24702	.002	1
S3	.25000	.25663	.007	2.65	.48410	.001	1
S4	.50000	.50560	.006	1.12	.95535	.003	1
S5	1.0000	.98082	-.019	-1.92	1.8547	.008	1

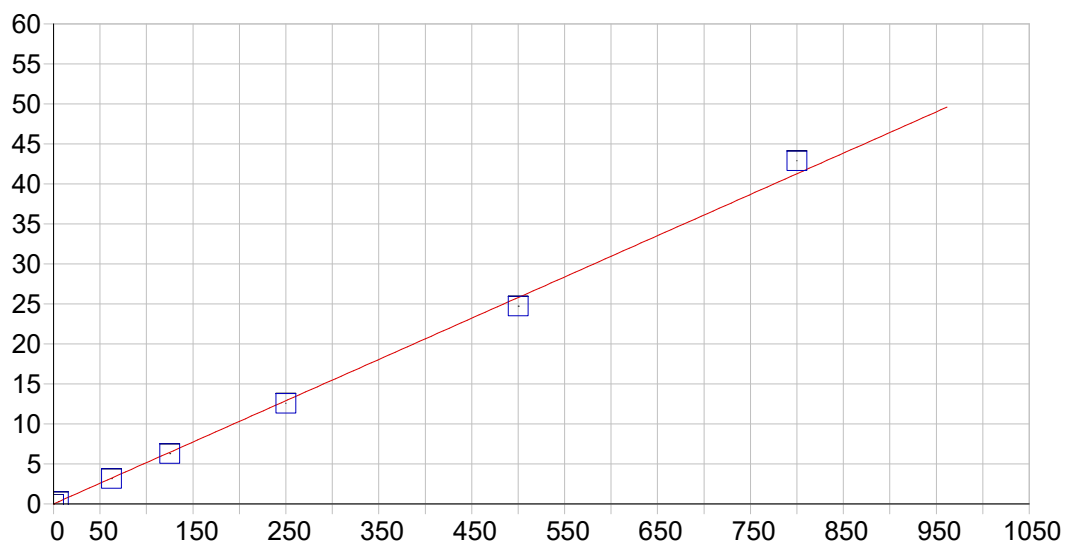


Cd 214.438 {457}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000370 Re-Slope: 1.000000
 A1 (Gain): 2.098431 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999906 Status: OK.
 Std Error of Est: 0.000242
 Predicted MDL: 0.000152
 Predicted MQL: 0.000506

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00037	.000	1
S1	.00500	.00559	.001	11.8	.01137	.000	1
S2	.62500	.64140	.016	2.62	1.3481	.003	1
S3	1.2500	1.2707	.021	1.66	2.6714	.006	1
S4	2.5000	2.5226	.023	.905	5.3036	.028	1
S5	5.0000	4.9396	-.060	-1.21	10.386	.021	1

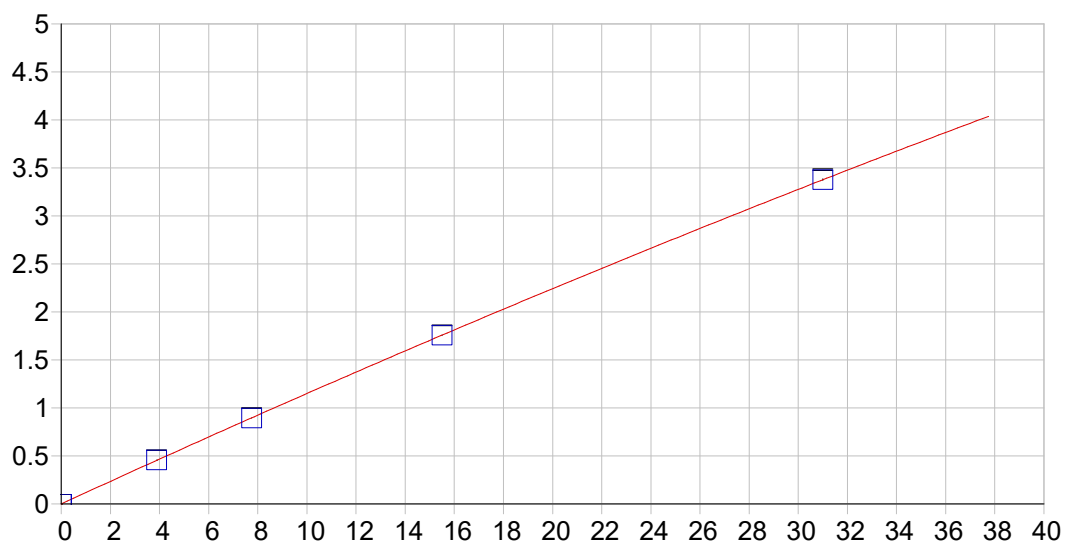


Ca 373.690 { 90}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001089 Re-Slope: 1.000000
 A1 (Gain): 0.051583 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999313 Status: OK.
 Std Error of Est: 0.006678
 Predicted MDL: 0.011987
 Predicted MQL: 0.039957

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00013	.000	.000	.00110	.001	1
S1	5.0000	5.2486	.249	4.97	.27182	.001	1
S2	62.500	61.068	-1.43	-2.29	3.1511	.008	1
S3	125.00	121.82	-3.18	-2.54	6.2850	.013	1
S4	250.00	243.62	-6.38	-2.55	12.567	.021	1
S5	500.00	479.21	-20.8	-4.16	24.720	.016	1
S6	800.00	831.54	31.5	3.94	42.894	.021	1

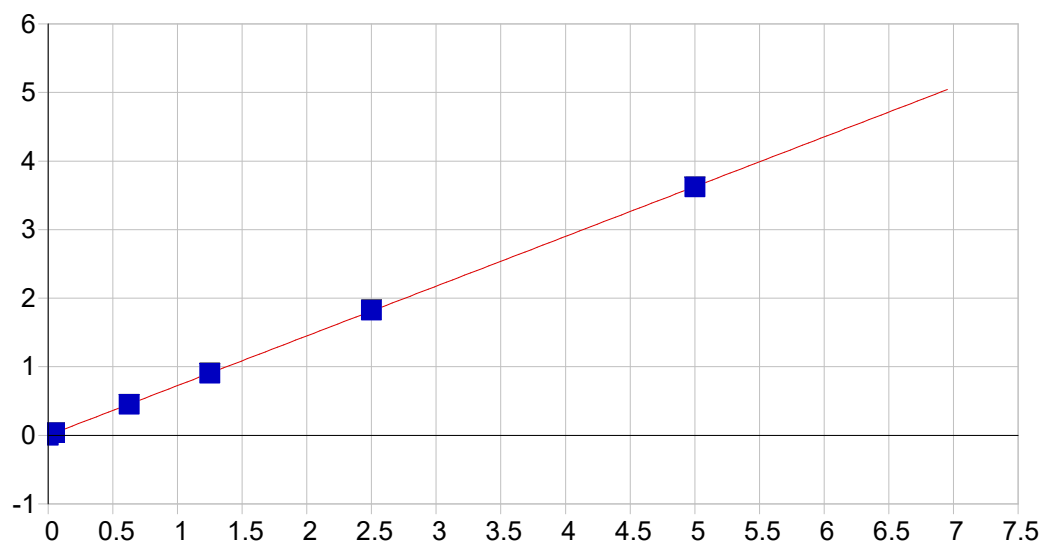


Cr 267.716 {126}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset):	0.000024	Re-Slope:	1.000000
A1 (Gain):	0.117896	Y-int:	0.000000
A2 (Curvature):	-0.000289		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000010		
Predicted MDL:	0.000744		
Predicted MQL:	0.002481		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00002	.000	1
S1	.01000	.00979	-.000	-2.07	.00118	.000	1
S2	3.8750	3.9070	.032	.825	.45623	.001	1
S3	7.7500	7.7253	-.025	-.319	.89354	.002	1
S4	15.500	15.480	-.020	-.131	1.7557	.003	1
S5	31.000	31.013	.013	.043	3.3782	.007	1

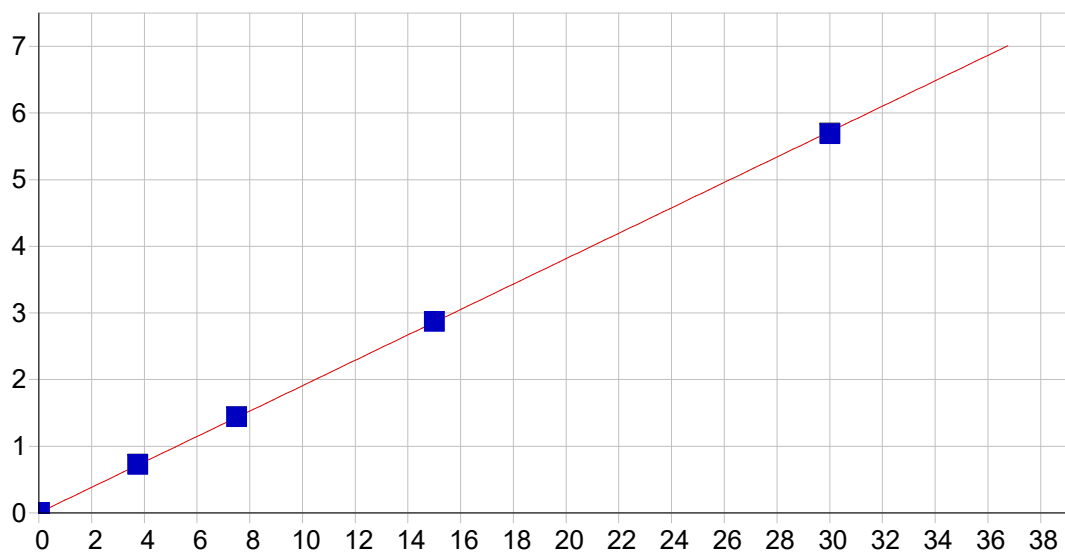


Co 228.616 {448}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000136	Re-Slope:	1.000000
A1 (Gain):	0.725284	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999988	Status:	OK.
Std Error of Est:	0.000094		
Predicted MDL:	0.000423		
Predicted MQL:	0.001410		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00014	.000	1
S1	.05000	.05177	.002	3.54	.03753	.000	1
S2	.62500	.61994	-.005	-.809	.45018	.001	1
S3	1.2500	1.2463	-.004	-.296	.90514	.002	1
S4	2.5000	2.5153	.015	.612	1.8269	.007	1
S5	5.0000	4.9917	-.008	-.166	3.6257	.004	1

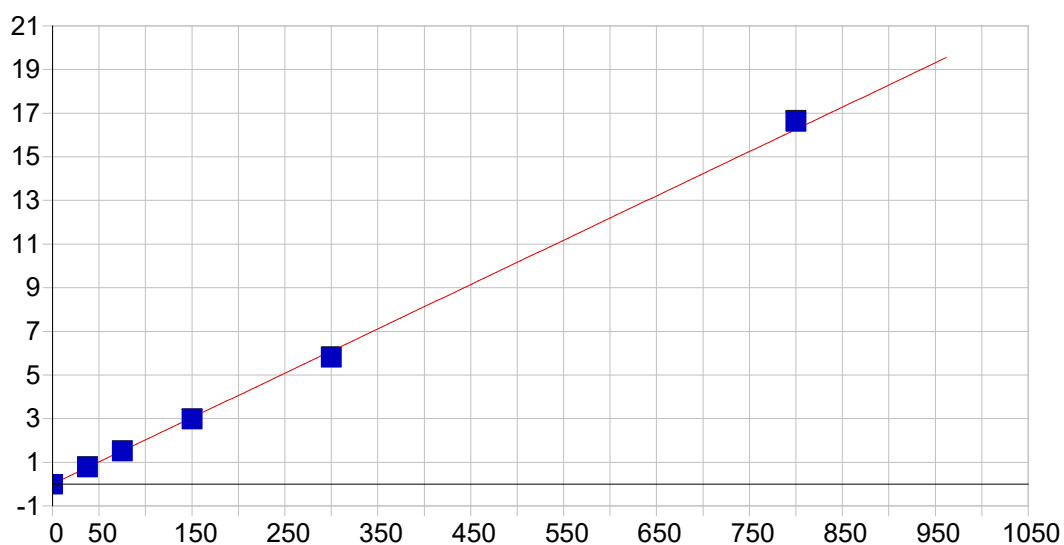


Cu 324.754 {104}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.002164	Re-Slope:	1.000000
A1 (Gain):	0.190646	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999979	Status:	OK.
Std Error of Est:	0.000057		
Predicted MDL:	0.002143		
Predicted MQL:	0.007143		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00216	.000	1
S1	.02500	.02756	.003	10.2	.00741	.000	1
S2	3.7500	3.8041	.054	1.44	.72644	.002	1
S3	7.5000	7.5558	.056	.744	1.4407	.004	1
S4	15.000	15.043	.043	.286	2.8662	.001	1
S5	30.000	29.845	-.155	-.518	5.6842	.007	1

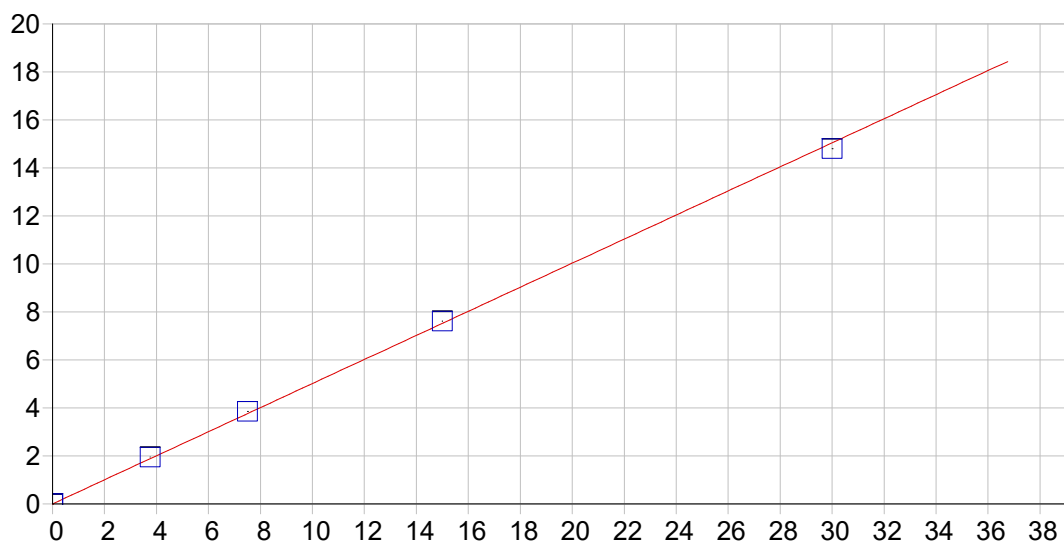


Fe 259.837 {130}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000088 Re-Slope: 1.000000
 A1 (Gain): 0.020325 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999568 Status: OK.
 Std Error of Est: 0.000261
 Predicted MDL: 0.008748
 Predicted MQL: 0.029160

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00009	.000	1
S1	.10000	.10555	.006	5.55	.00224	.000	1
S2	37.500	38.300	.800	2.13	.77943	.005	1
S3	75.000	74.372	-.628	-.837	1.5135	.003	1
S4	150.00	146.24	-3.76	-2.51	2.9760	.007	1
S5	300.00	285.83	-14.2	-4.72	5.8166	.020	1
S6	800.00	817.76	17.8	2.22	16.632	.037	1

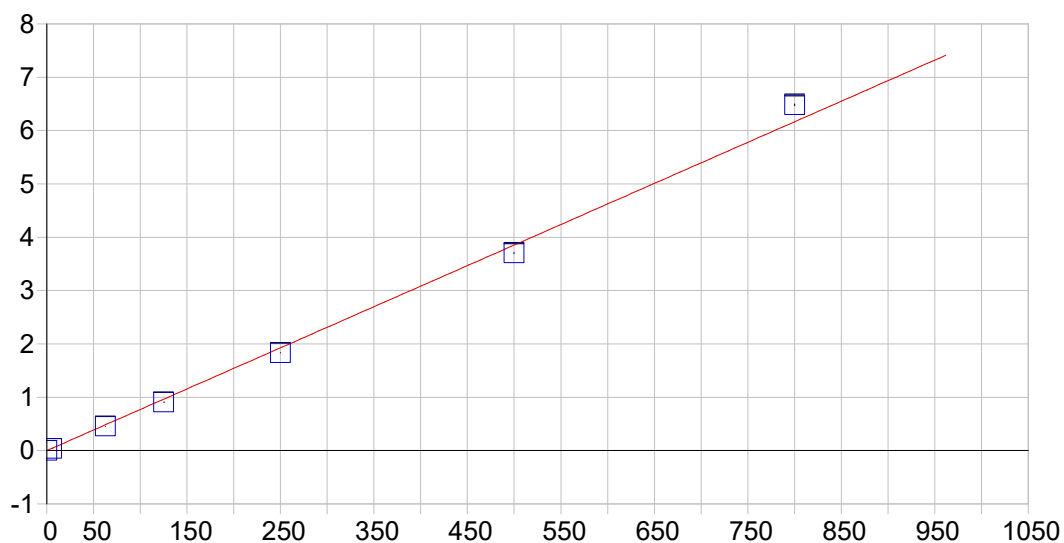


Mn 257.610 {131}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000329 Re-Slope: 1.000000
 A1 (Gain): 0.501526 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999821 Status: OK.
 Std Error of Est: 0.000338
 Predicted MDL: 0.000405
 Predicted MQL: 0.001351

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00033	.000	1
S1	.01500	.01687	.002	12.5	.00879	.000	1
S2	3.7500	3.8887	.139	3.70	1.9506	.009	1
S3	7.5000	7.6840	.184	2.45	3.8540	.003	1
S4	15.000	15.174	.174	1.16	7.6104	.014	1
S5	30.000	29.502	-.498	-1.66	14.796	.002	1

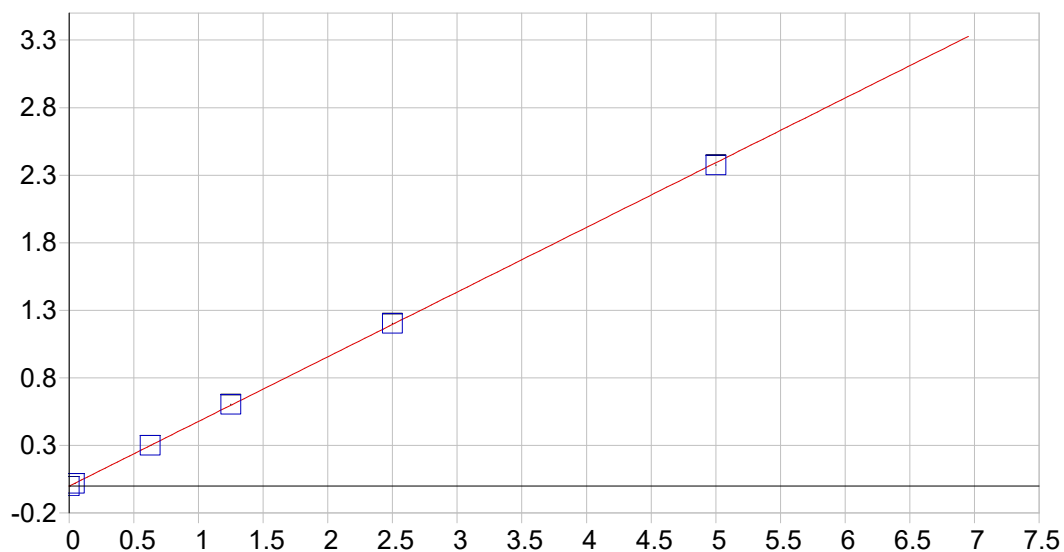


Mg 279.079 {121}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000233 Re-Slope: 1.000000
 A1 (Gain): 0.007707 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.998846 Status: OK.
 Std Error of Est: 0.001294
 Predicted MDL: 0.027563
 Predicted MQL: 0.091877

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00077	.001	.000	-.00023	.000	1
S1	5.0000	4.9509	-.049	-.983	.03792	.000	1
S2	62.500	59.306	-3.19	-5.11	.45682	.003	1
S3	125.00	117.68	-7.32	-5.86	.90667	.001	1
S4	250.00	238.10	-11.9	-4.76	1.8347	.004	1
S5	500.00	481.01	-19.0	-3.80	3.7068	.012	1
S6	800.00	841.46	41.5	5.18	6.4847	.018	1

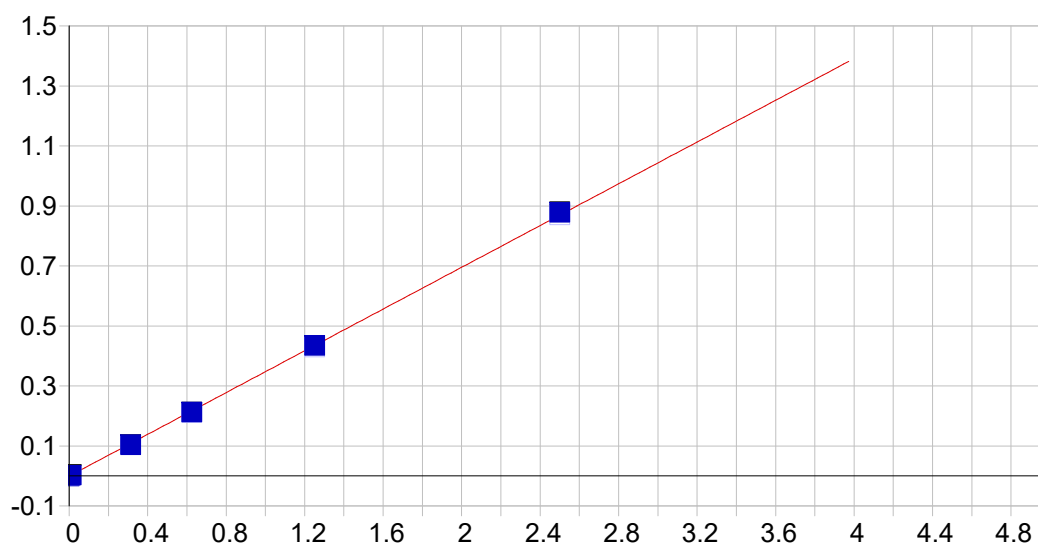


Ni 231.604 {446}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.001656	Re-Slope:	1.000000
A1 (Gain):	0.478777	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999966	Status:	OK.
Std Error of Est:	0.000094		
Predicted MDL:	0.000742		
Predicted MQL:	0.002474		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00166	.000	1
S1	.04000	.04215	.002	5.38	.01853	.000	1
S2	.62500	.63011	.005	.817	.30003	.001	1
S3	1.2500	1.2623	.012	.986	.60272	.002	1
S4	2.5000	2.5161	.016	.646	1.2030	.003	1
S5	5.0000	4.9643	-.036	-.715	2.3751	.003	1

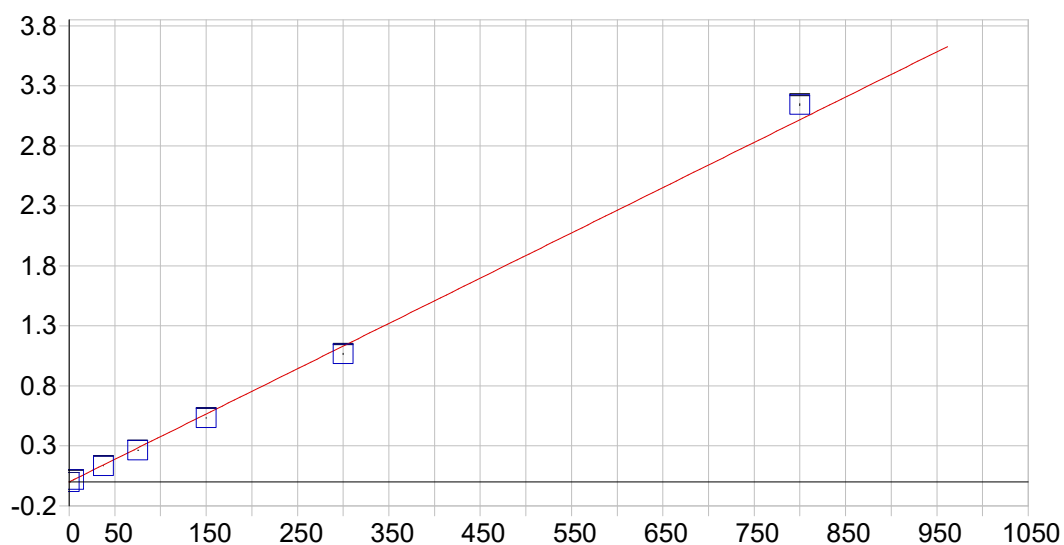


Ag 328.068 {103}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000580	Re-Slope:	1.000000
A1 (Gain):	0.347942	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999886	Status:	OK.
Std Error of Est:	0.000044		
Predicted MDL:	0.000473		
Predicted MQL:	0.001577		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00058	.000	1
S1	.01000	.01001	.000	.147	.00288	.000	1
S2	.31250	.30011	-.012	-3.96	.10268	.000	1
S3	.62500	.61160	-.013	-2.14	.20991	.001	1
S4	1.2500	1.2497	-.000	-.027	.42960	.000	1
S5	2.5000	2.5261	.026	1.04	.86911	.001	1

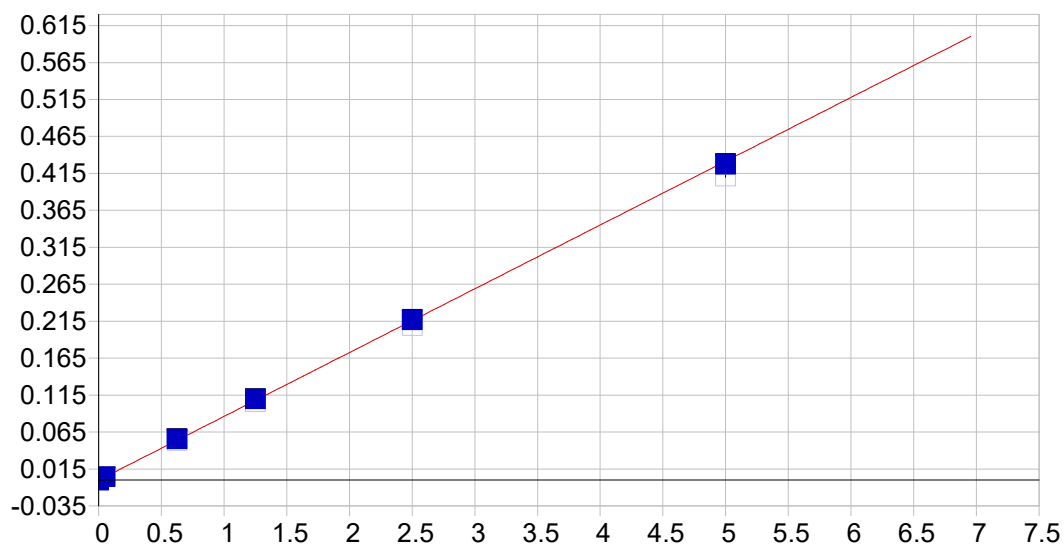


Na 818.326 { 41}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000026	Re-Slope:	1.000000
A1 (Gain):	0.003772	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998777	Status:	OK.
Std Error of Est:	0.000577		
Predicted MDL:	0.285555		
Predicted MQL:	0.951850		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00136	.001	.000	.00003	.001	1
S1	5.0000	4.6125	-.388	-7.75	.01742	.000	1
S2	37.500	35.457	-2.04	-5.45	.13377	.001	1
S3	75.000	70.001	-5.00	-6.67	.26407	.001	1
S4	150.00	141.30	-8.70	-5.80	.53300	.003	1
S5	300.00	282.82	-17.2	-5.73	1.0668	.006	1
S6	800.00	833.32	33.3	4.16	3.1433	.008	1

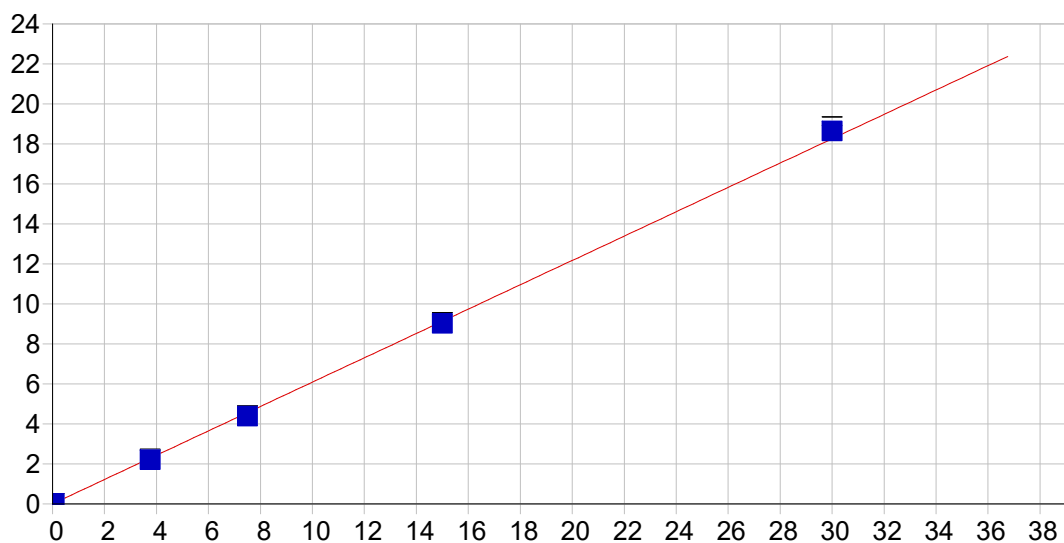


V 292.402 {115}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000169	Re-Slope:	1.000000
A1 (Gain):	0.086342	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999907	Status:	OK.
Std Error of Est:	0.000030		
Predicted MDL:	0.003009		
Predicted MQL:	0.010031		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00017	.000	1
S1	.05000	.05281	.003	5.62	.00438	.000	1
S2	.62500	.64321	.018	2.91	.05338	.000	1
S3	1.2500	1.2708	.021	1.67	.10558	.001	1
S4	2.5000	2.5105	.011	.421	.20865	.001	1
S5	5.0000	4.9475	-.052	-1.05	.41112	.001	1

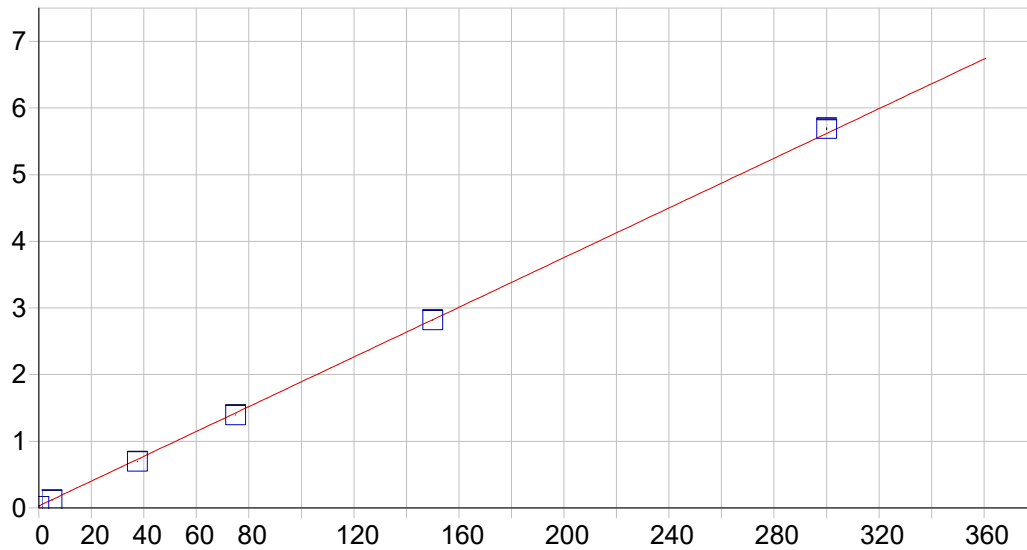


Zn 213.856 {158}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002550 Re-Slope: 1.000000
 A1 (Gain): 0.608565 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999717 Status: OK.
 Std Error of Est: 0.001030
 Predicted MDL: 0.001710
 Predicted MQL: 0.005702

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00256	.001	1
S1	.06000	.05583	-.004	-6.95	.03664	.001	1
S2	3.7500	3.6167	-.133	-3.55	2.2053	.030	1
S3	7.5000	7.2038	-.296	-3.95	4.3901	.026	1
S4	15.000	14.813	-.187	-1.25	9.0245	.052	1
S5	30.000	30.620	.620	2.07	18.651	.213	1

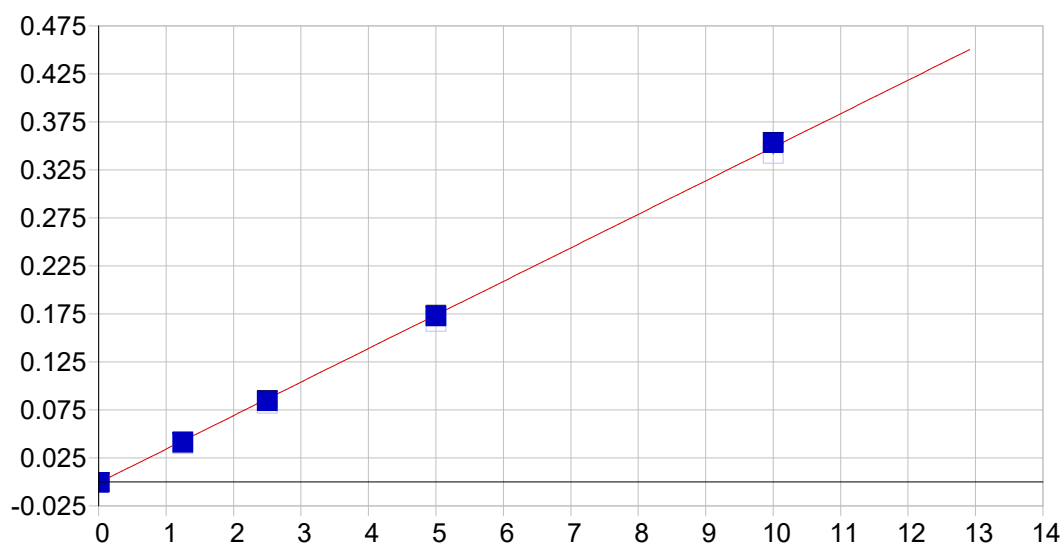


K 769.896 { 44}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.029644 Re-Slope: 1.000000
 A1 (Gain): 0.018630 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999851 Status: OK.
 Std Error of Est: 0.000664
 Predicted MDL: 0.059539
 Predicted MQL: 0.198464

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00044	.000	.000	.02965	.000	1
S1	5.0000	4.8413	-.159	-3.17	.11984	.001	1
S2	37.500	35.848	-1.65	-4.41	.69747	.002	1
S3	75.000	73.271	-1.73	-2.30	1.3947	.005	1
S4	150.00	149.63	-.368	-.245	2.8173	.004	1
S5	300.00	303.91	3.91	1.30	5.6914	.014	1

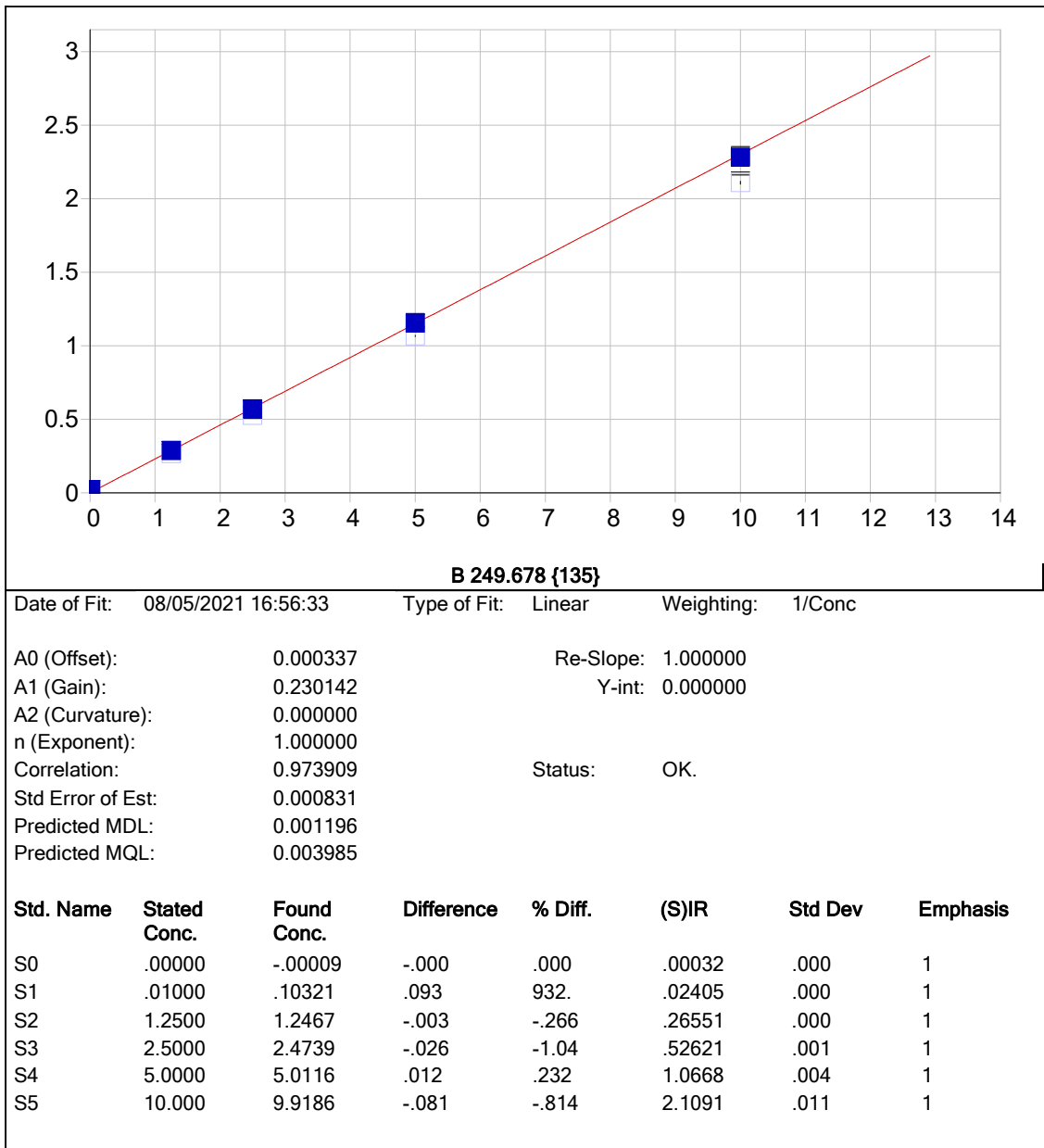


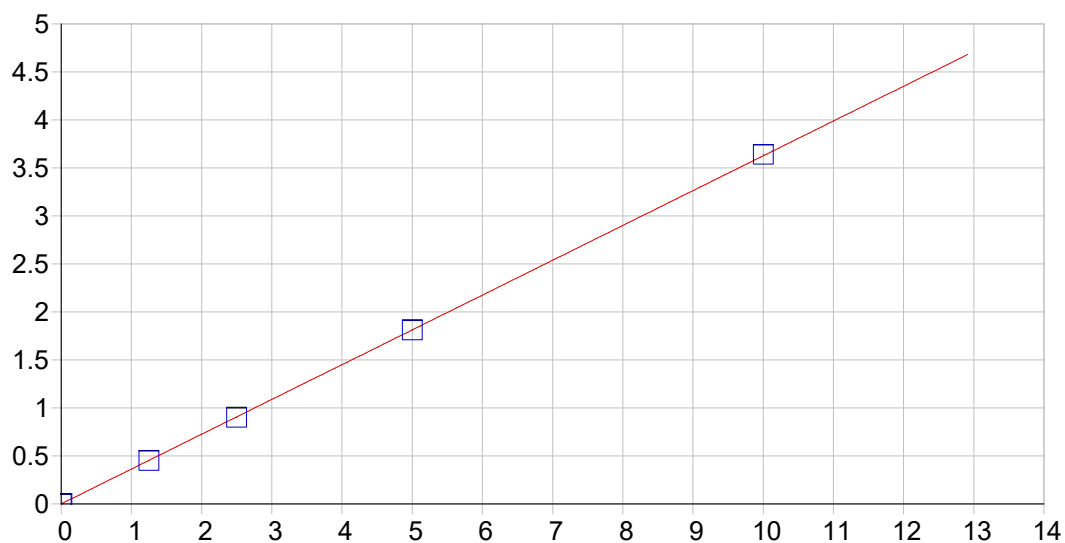
P 177.495 {490}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000826 Re-Slope: 1.000000
 A1 (Gain): 0.034941 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999830 Status: OK.
 Std Error of Est: 0.000010
 Predicted MDL: 0.004932
 Predicted MQL: 0.016439

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00083	.000	1
S1	.01000	.01220	.002	22.0	-.00041	.000	1
S2	1.2500	1.2017	-.048	-3.87	.03972	.000	1
S3	2.5000	2.4392	-.061	-2.43	.08151	.000	1
S4	5.0000	4.9682	-.032	-.636	.16699	.001	1
S5	10.000	10.139	.139	1.39	.34187	.000	1



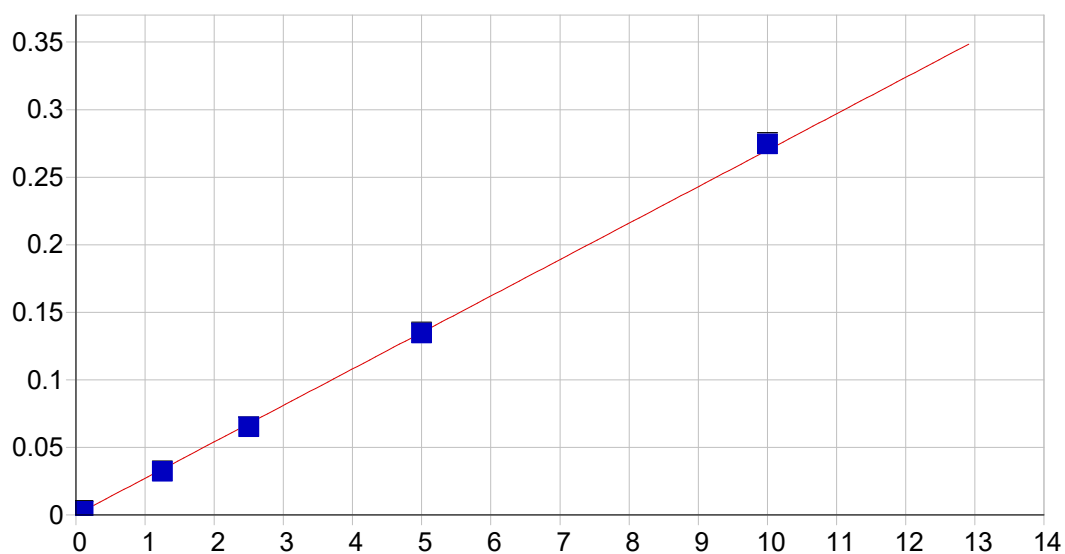


Mo 202.030 {467}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000503 Re-Slope: 1.000000
 A1 (Gain): 0.362511 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999989 Status: OK.
 Std Error of Est: 0.000029
 Predicted MDL: 0.000674
 Predicted MQL: 0.002246

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00050	.000	1
S1	.01000	.01086	.001	8.65	.00444	.000	1
S2	1.2500	1.2413	-.009	-.697	.45048	.001	1
S3	2.5000	2.4816	-.018	-.735	.90012	.003	1
S4	5.0000	4.9906	-.009	-.188	1.8096	.004	1
S5	10.000	10.036	.036	.356	3.6385	.003	1

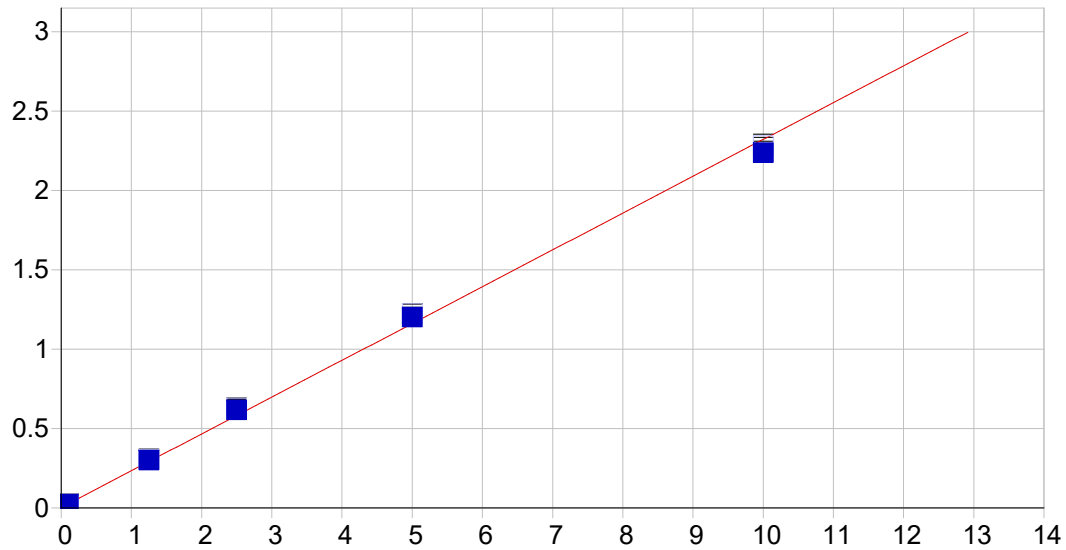


S 182.034 {485}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000133 Re-Slope: 1.000000
 A1 (Gain): 0.026979 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999754 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 0.006802
 Predicted MQL: 0.022674

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00013	.000	1
S1	.10000	.09833	-.002	-1.67	.00279	.000	1
S2	1.2500	1.1898	-.060	-4.82	.03223	.000	1
S3	2.5000	2.4082	-.092	-3.67	.06510	.000	1
S4	5.0000	4.9825	-.017	-.349	.13454	.001	1
S5	10.000	10.171	.171	1.71	.27451	.001	1

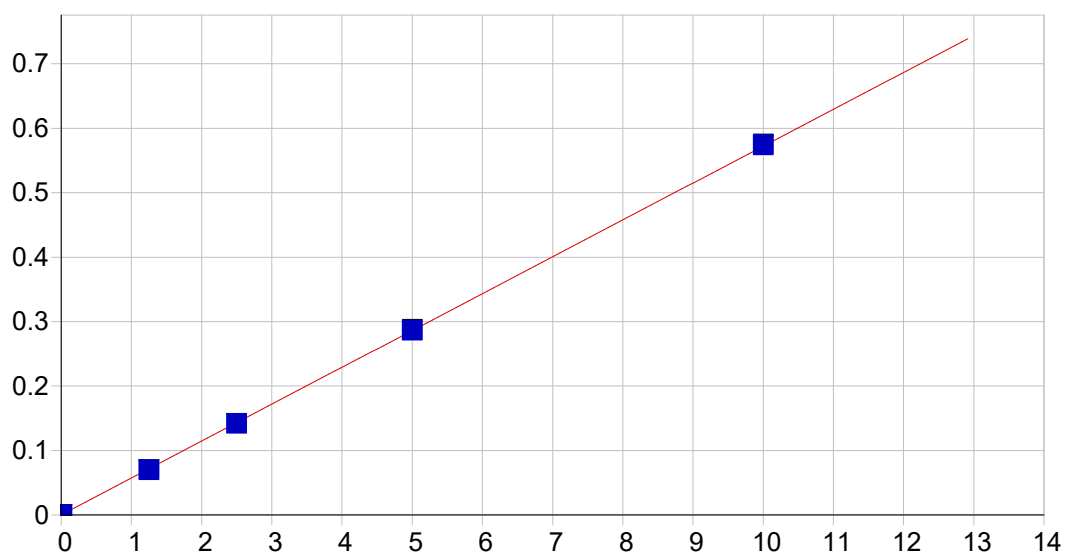


Si 251.611 {134}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002166 Re-Slope: 1.000000
 A1 (Gain): 0.231970 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999251 Status: OK.
 Std Error of Est: 0.000487
 Predicted MDL: 0.001249
 Predicted MQL: 0.004165

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00216	.000	1
S1	.10000	.09857	-.001	-1.43	.02528	.001	1
S2	1.2500	1.2901	.040	3.21	.30708	.002	1
S3	2.5000	2.6531	.153	6.12	.62892	.001	1
S4	5.0000	5.1687	.169	3.37	1.2238	.001	1
S5	10.000	9.6395	-.360	-3.60	2.2835	.010	1

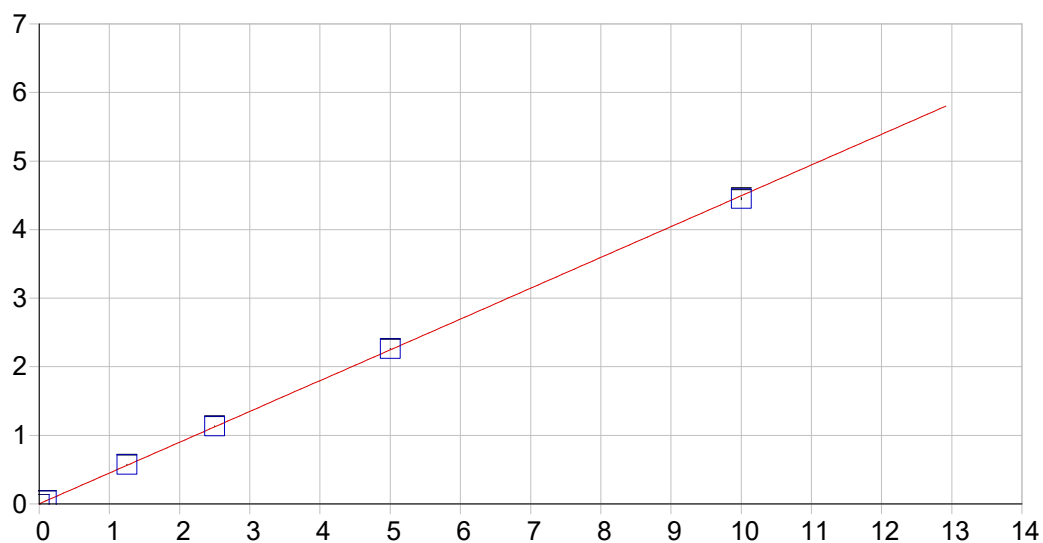


Sn 189.989 {478}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000244	Re-Slope:	1.000000
A1 (Gain):	0.057192	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999965	Status:	OK.
Std Error of Est:	0.000007		
Predicted MDL:	0.002656		
Predicted MQL:	0.008853		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00024	.000	1
S1	.00700	.00768	.001	9.76	.00067	.000	1
S2	1.2500	1.2187	-.031	-2.51	.06975	.000	1
S3	2.5000	2.4760	-.024	-.961	.14146	.000	1
S4	5.0000	5.0094	.009	.188	.28596	.001	1
S5	10.000	10.045	.045	.453	.57320	.001	1

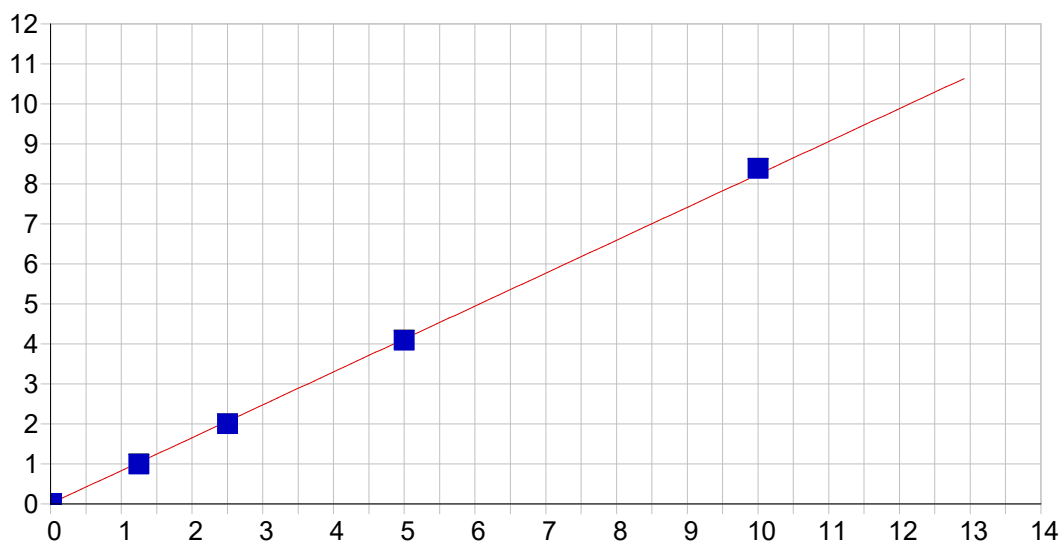


Ti 336.121 {100}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000762	Re-Slope:	1.000000
A1 (Gain):	0.449199	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999936	Status:	OK.
Std Error of Est:	0.000269		
Predicted MDL:	0.001017		
Predicted MQL:	0.003390		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00076	.000	1
S1	.10000	.10731	.007	7.31	.04896	.000	1
S2	1.2500	1.2777	.028	2.22	.57470	.004	1
S3	2.5000	2.5222	.022	.889	1.1337	.003	1
S4	5.0000	5.0335	.034	.671	2.2618	.005	1
S5	10.000	9.9092	-.091	-.908	4.4520	.013	1

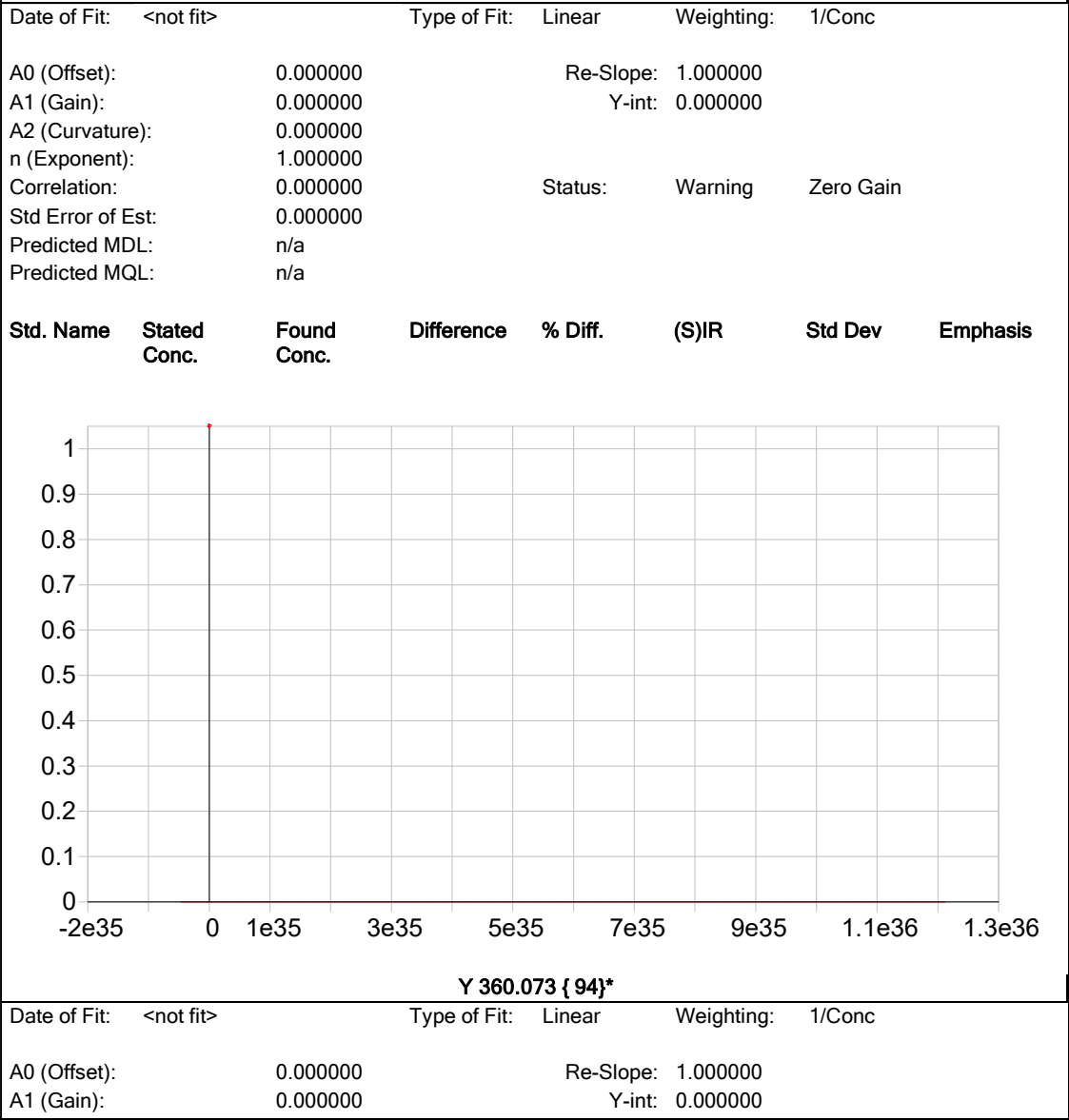
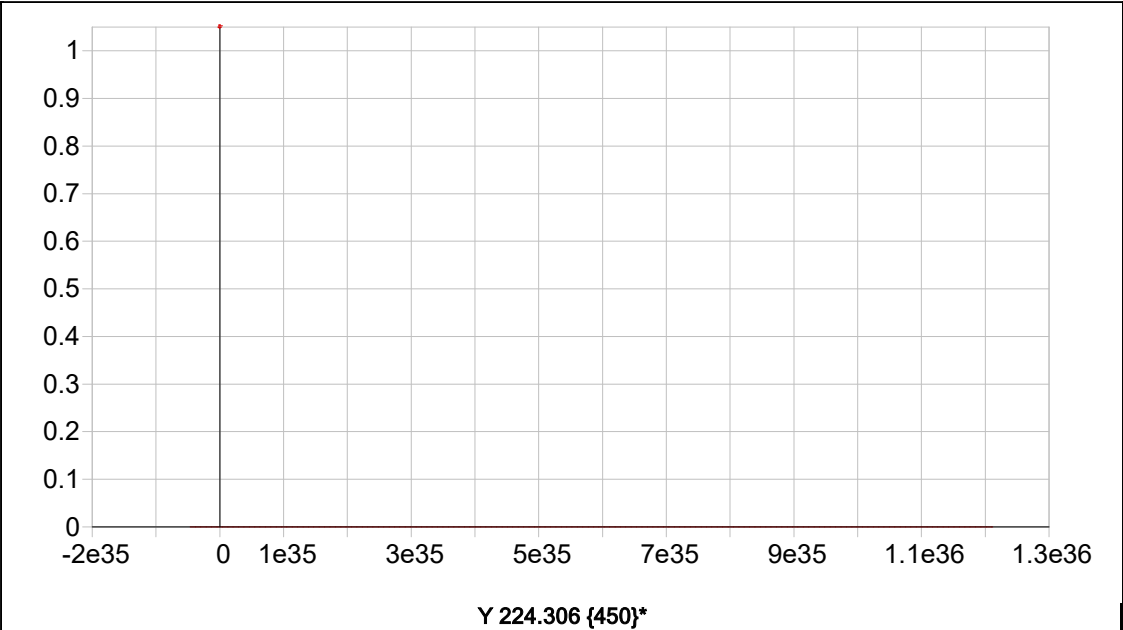


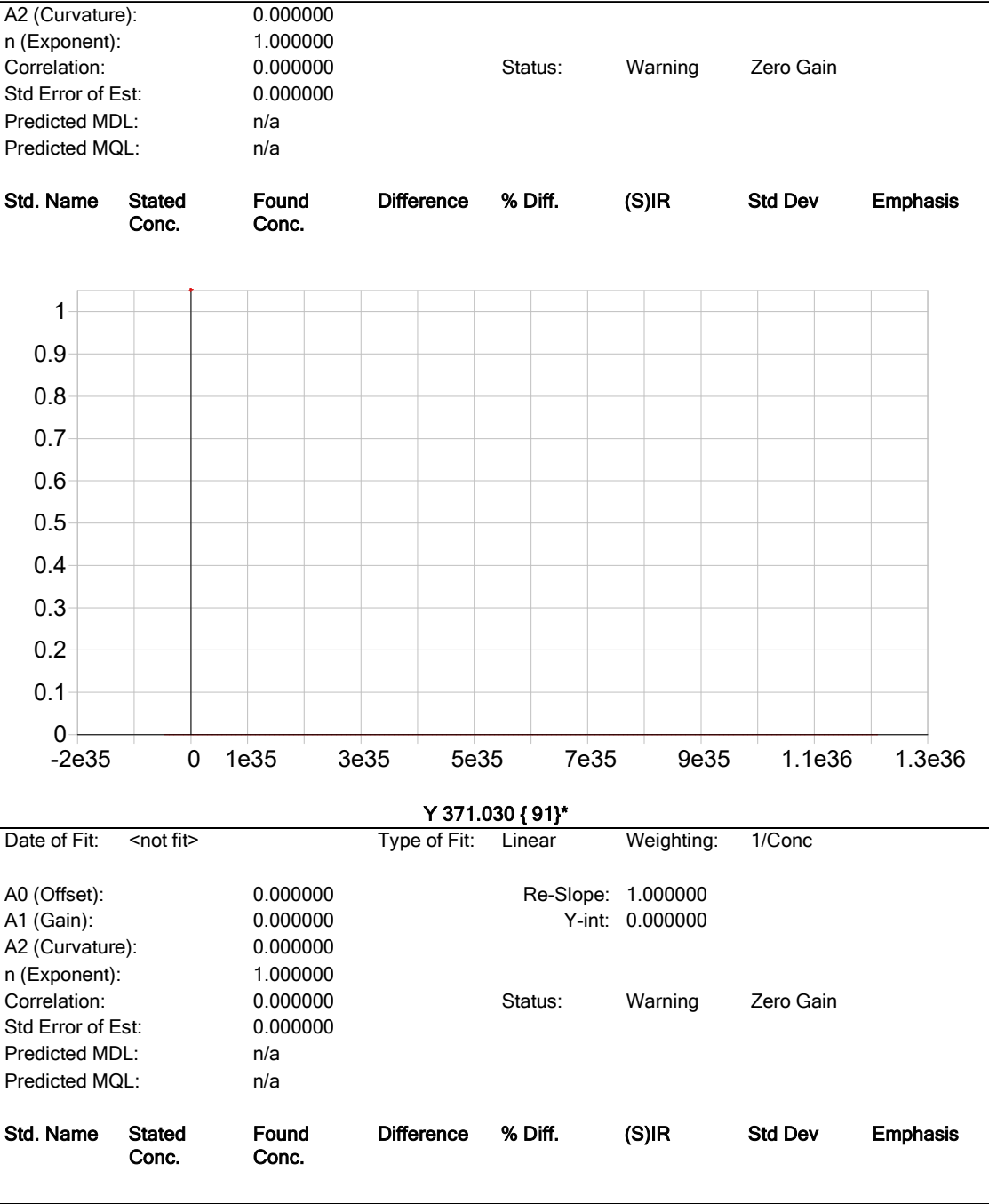
Li 670.784 { 50}

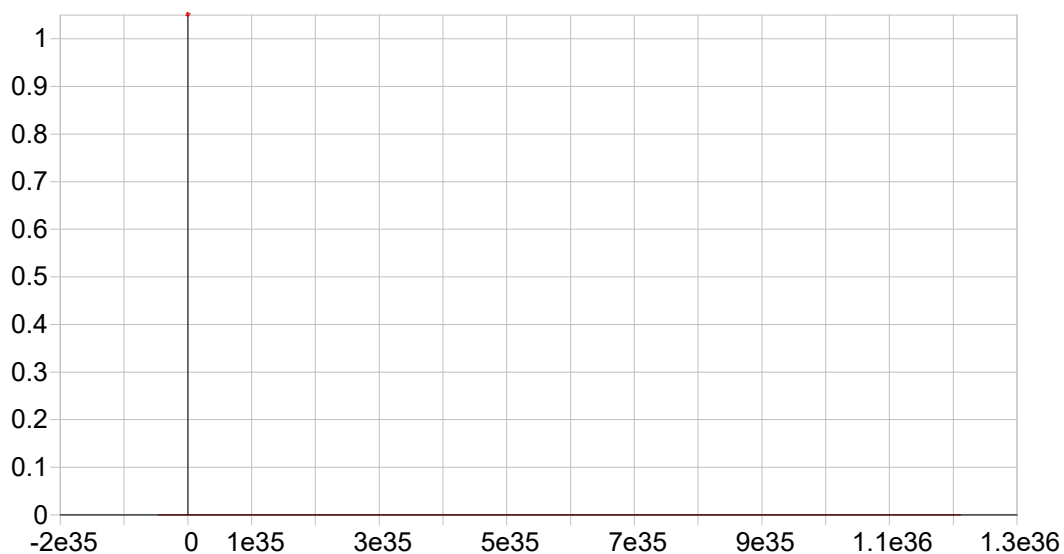
Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008860 Re-Slope: 1.000000
 A1 (Gain): 0.822840 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999763 Status: OK.
 Std Error of Est: 0.000368
 Predicted MDL: 0.001403
 Predicted MQL: 0.004677

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00886	.000	1
S5	10.000	10.179	.179	1.79	8.3761	.011	1
S4	5.0000	4.9582	-.042	-.836	4.0842	.008	1
S3	2.5000	2.4189	-.081	-3.24	1.9970	.006	1
S2	1.2500	1.1955	-.055	-4.36	.99143	.002	1
S1	.01500	.01288	-.002	-14.2	.01939	.001	1







Y 224.306 {150}*

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				

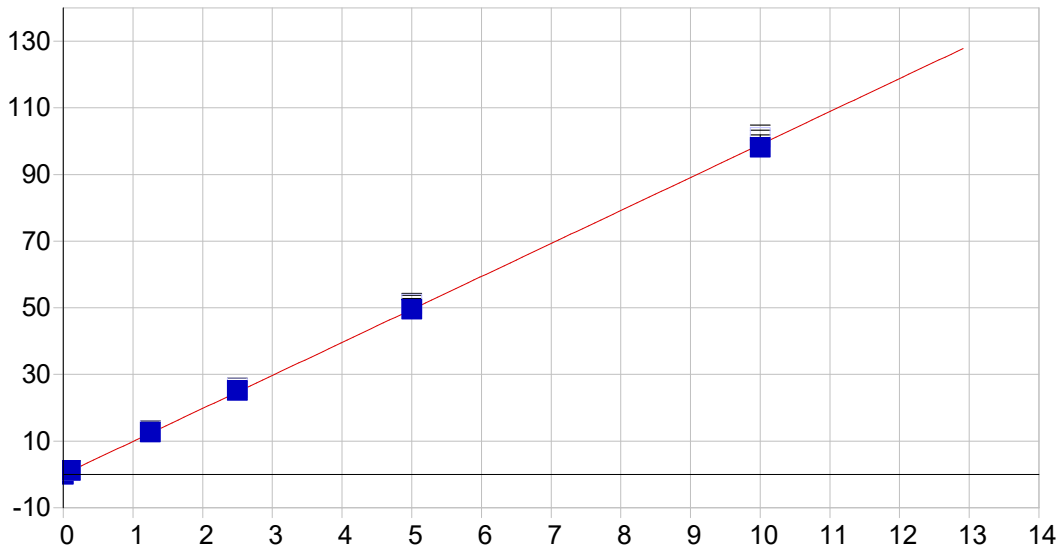
In 230.606 {446}*

Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Status: Warning Zero Gain

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Sr 407.771 { 83}

Date of Fit: 08/05/2021 16:56:33 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001720 Re-Slope: 1.000000
 A1 (Gain): 9.899070 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999915 Status: OK.
 Std Error of Est: 0.007066
 Predicted MDL: 0.000068
 Predicted MQL: 0.000226

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00187	.000	1
S1	.10000	.11143	.011	11.4	1.1024	.004	1
S2	1.2500	1.2793	.029	2.35	13.034	.014	1
S3	2.5000	2.5394	.039	1.58	25.878	.029	1
S4	5.0000	5.0079	.008	.158	51.056	.264	1
S5	10.000	9.9123	-.088	-.877	101.09	.758	1

Sample Name: S0 Acquired: 08/05/2021 13:07:56 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S0 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	-.00035	-.00129	.00031	.00098	.00083	.00124	-.01750	-.00169
Stddev	.00010	.00021	.00045	.00002	.00032	.00028	.00120	.00007
%RSD	27.387	15.939	144.99	1.7357	38.307	22.207	6.8600	4.2843
#1	-.00032	-.00152	-.00013	.00098	.00094	.00098	-.01808	-.00163
#2	-.00046	-.00111	.00078	.00096	.00109	.00122	-.01829	-.00177
#3	-.00027	-.00124	.00029	.00100	.00048	.00153	-.01611	-.00167
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	-.00037	.00110	.00002	-.00014	.00216	.00009	.00033	-.00023
Stddev	.00031	.00064	.00002	.00012	.00014	.00013	.00010	.00014
%RSD	83.636	58.192	65.905	90.415	6.6896	149.47	29.294	61.492
#1	-.00019	.00044	.00004	-.00025	.00221	.00024	.00023	-.00014
#2	-.00020	.00114	.00003	-.00016	.00200	.00002	.00042	-.00039
#3	-.00073	.00171	.00001	-.00000	.00228	.00000	.00034	-.00015
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	-.00166	-.00058	.00003	-.00017	.00256	.02965	-.00083	.00032
Stddev	.00043	.00008	.00079	.00019	.00058	.00025	.00015	.00013
%RSD	26.070	13.127	2559.5	111.85	22.629	.83041	17.858	42.483
#1	-.00204	-.00055	-.00086	-.00038	.00202	.02993	-.00073	.00017
#2	-.00119	-.00067	.00029	-.00013	.00247	.02957	-.00100	.00043
#3	-.00174	-.00052	.00066	-.00000	.00317	.02946	-.00076	.00035
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	.00050	.00013	.00216	.00024	.00076	.00886	-.00187	
Stddev	.00008	.00012	.00012	.00009	.00015	.00028	.00038	
%RSD	15.110	86.446	5.7557	38.595	19.977	3.1265	20.323	
#1	.00043	.00025	.00214	.00018	.00060	.00854	-.00230	
#2	.00049	.00014	.00230	.00035	.00077	.00904	-.00167	
#3	.00058	.00002	.00205	.00020	.00090	.00900	-.00162	

Sample Name: S0 Acquired: 08/05/2021 13:07:56 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1740.7	32875.	9331.4	975.12	2138.4
Stddev	.8	48.	88.7	4.30	2.1
%RSD	.04309	.14698	.95066	.44125	.09590
#1	1740.3	32917.	9285.5	977.93	2136.9
#2	1740.3	32822.	9275.0	977.25	2140.8
#3	1741.6	32885.	9433.6	970.16	2137.6

Sample Name: S1 Acquired: 08/05/2021 13:12:02 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) 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	.00009	-.00013	.00179	.00322	.00682	.01664	.49178	.00886
Stddev	.00003	.00008	.00019	.00017	.00009	.00026	.00249	.00026
%RSD	33.812	61.300	10.433	5.1529	1.3215	1.5855	.50697	2.8935

#1	.00009	-.00014	.00159	.00331	.00691	.01656	.48932	.00868
#2	.00012	-.00005	.00182	.00332	.00673	.01643	.49173	.00915
#3	.00006	-.00020	.00197	.00303	.00682	.01694	.49430	.00873

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	.01137	.27182	.00118	.03753	.00741	.00224	.00879	.03792
Stddev	.00022	.00077	.00005	.00033	.00026	.00015	.00016	.00014
%RSD	1.9683	.28304	4.4346	.88030	3.5697	6.6001	1.7632	.35712

#1	.01139	.27177	.00121	.03763	.00723	.00231	.00897	.03808
#2	.01159	.27109	.00120	.03781	.00771	.00234	.00874	.03786
#3	.01114	.27262	.00112	.03717	.00729	.00207	.00867	.03783

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	.01853	.00288	.01742	.00438	.03664	.11984	-.00041	.02405
Stddev	.00009	.00014	.00020	.00020	.00071	.00143	.00014	.00048
%RSD	.48844	4.9811	1.1317	4.6644	1.9448	1.1970	35.128	1.9937

#1	.01847	.00272	.01722	.00415	.03672	.12101	-.00041	.02461
#2	.01863	.00298	.01744	.00453	.03731	.11824	-.00055	.02379
#3	.01848	.00294	.01761	.00446	.03589	.12025	-.00026	.02377

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	.00444	.00279	.02528	.00067	.04896	.01939	1.1024	
Stddev	.00032	.00020	.00065	.00012	.00016	.00087	.0043	
%RSD	7.0941	7.0242	2.5904	17.670	.33575	4.5129	.38966	

#1	.00434	.00277	.02570	.00072	.04913	.01942	1.0998	
#2	.00419	.00299	.02562	.00053	.04880	.01850	1.1000	
#3	.00480	.00260	.02453	.00076	.04897	.02025	1.1073	

Sample Name: S1 Acquired: 08/05/2021 13:12:02 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S01 Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1738.9	32991.	9349.7	979.02	2164.1
Stddev	1.1	108.	36.6	3.05	3.4
%RSD	.06387	.32873	.39133	.31176	.15767
#1	1738.6	32930.	9313.0	978.84	2160.7
#2	1740.2	33116.	9349.9	982.16	2164.2
#3	1738.0	32926.	9386.2	976.07	2167.5

Sample Name: S2 Acquired: 08/05/2021 13:16:09 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) 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	.04120	.05937	1.0877	.07652	.12790	2.6694	6.1326	.24702
Stddev	.00043	.00018	.0020	.00006	.00038	.0083	.0101	.00157
%RSD	1.0409	.31056	.18767	.07642	.29559	.31086	.16532	.63676

#1	.04077	.05931	1.0857	.07650	.12785	2.6717	6.1442	.24872
#2	.04163	.05958	1.0876	.07647	.12755	2.6764	6.1255	.24673
#3	.04120	.05923	1.0898	.07659	.12830	2.6603	6.1281	.24562

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	1.3481	3.1511	.45623	.45018	.72644	.77943	1.9506	.45682
Stddev	.0029	.0076	.00084	.00075	.00192	.00537	.0088	.00337
%RSD	.21889	.23963	.18348	.16585	.26499	.68834	.45169	.73727

#1	1.3482	3.1591	.45680	.45007	.72727	.77897	1.9593	.45614
#2	1.3452	3.1441	.45661	.44950	.72781	.78501	1.9417	.46047
#3	1.3511	3.1502	.45527	.45098	.72424	.77430	1.9508	.45384

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	.30003	.10268	.13377	.05338	2.2053	.69747	.03972	.26551
Stddev	.00076	.00045	.00084	.00046	.0299	.00241	.00034	.00013
%RSD	.25348	.43942	.62729	.86646	1.3578	.34588	.85673	.04879

#1	.29929	.10308	.13462	.05303	2.1723	.69834	.03932	.26548
#2	.30081	.10219	.13294	.05391	2.2306	.69475	.03992	.26565
#3	.29997	.10278	.13376	.05320	2.2132	.69933	.03991	.26540

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	.45048	.03223	.30708	.06975	.57470	.99143	13.034
Stddev	.00144	.00026	.00197	.00016	.00354	.00223	.015
%RSD	.31983	.81553	.64264	.23001	.61637	.22452	.11122

#1	.45029	.03192	.30848	.06973	.57546	.99021	13.036
#2	.45201	.03239	.30793	.06960	.57780	.99400	13.047
#3	.44915	.03237	.30482	.06992	.57084	.99008	13.018

Sample Name: S2 Acquired: 08/05/2021 13:16:09 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S02 Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1698.0	32978.	9472.5	957.25	2095.4
Stddev	3.5	67.	55.3	4.44	1.7
%RSD	.20580	.20387	.58417	.46432	.07935
#1	1696.2	32994.	9409.4	961.68	2093.8
#2	1695.7	32905.	9495.3	952.79	2095.1
#3	1702.0	33036.	9512.8	957.29	2097.1

Sample Name: S3 Acquired: 08/05/2021 13:20:02 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) 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	.08231	.11965	2.1865	.14748	.25226	5.3240	12.337	.48410
Stddev	.00023	.00086	.0051	.00081	.00106	.0013	.023	.00108
%RSD	.28368	.71967	.23516	.54919	.41901	.02517	.18516	.22237

#1	.08236	.11869	2.1820	.14715	.25250	5.3254	12.359	.48323
#2	.08251	.11992	2.1921	.14689	.25111	5.3238	12.313	.48531
#3	.08206	.12035	2.1853	.14840	.25319	5.3227	12.339	.48377

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	2.6714	6.2850	.89354	.90514	1.4407	1.5135	3.8540	.90667
Stddev	.0062	.0131	.00177	.00236	.0036	.0031	.0033	.00111
%RSD	.23122	.20825	.19802	.26099	.25177	.20664	.08670	.12226

#1	2.6644	6.3001	.89462	.90251	1.4438	1.5170	3.8539	.90672
#2	2.6761	6.2773	.89150	.90585	1.4367	1.5122	3.8574	.90776
#3	2.6736	6.2776	.89451	.90707	1.4416	1.5112	3.8508	.90554

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	.60272	.20991	.26407	.10558	4.3901	1.3947	.08151	.52621
Stddev	.00168	.00054	.00099	.00054	.0257	.0046	.00026	.00128
%RSD	.27911	.25959	.37497	.51345	.58594	.32674	.31509	.24415

#1	.60192	.21026	.26409	.10497	4.4033	1.3999	.08181	.52629
#2	.60465	.20928	.26307	.10601	4.3605	1.3914	.08136	.52745
#3	.60158	.21018	.26505	.10577	4.4066	1.3927	.08138	.52488

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	.90012	.06510	.62892	.14146	1.1337	1.9970	25.878
Stddev	.00317	.00030	.00051	.00028	.0027	.0056	.029
%RSD	.35221	.45844	.08143	.19544	.24179	.27796	.11233

#1	.89795	.06488	.62914	.14117	1.1351	2.0033	25.887
#2	.89865	.06544	.62929	.14172	1.1306	1.9953	25.846
#3	.90375	.06497	.62833	.14149	1.1356	1.9926	25.902

Sample Name: S3 Acquired: 08/05/2021 13:20:02 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S03 Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1649.7	32356.	9356.7	924.44	2009.0
Stddev	2.5	112.	8.4	5.15	4.5
%RSD	.15434	.34736	.08940	.55750	.22234
#1	1650.9	32344.	9365.3	924.61	2011.4
#2	1651.5	32474.	9356.4	929.51	2003.8
#3	1646.8	32250.	9348.5	919.21	2011.8

Sample Name: S4 Acquired: 08/05/2021 13:23:53 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) 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	.16627	.23871	4.3944	.28870	.50542	10.805	24.681	.95535
Stddev	.00086	.00155	.0127	.00133	.00130	.013	.075	.00331
%RSD	.51562	.65103	.28825	.46211	.25791	.11585	.30580	.34696

#1	.16628	.23964	4.3947	.28849	.50573	10.801	24.594	.95858
#2	.16541	.23692	4.3816	.28747	.50399	10.819	24.723	.95196
#3	.16713	.23958	4.4069	.29012	.50654	10.795	24.727	.95552

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	5.3036	12.567	1.7557	1.8269	2.8662	2.9760	7.6104	1.8347
Stddev	.0284	.021	.0032	.0069	.0011	.0074	.0137	.0036
%RSD	.53551	.16326	.18144	.37891	.03892	.24947	.18048	.19543

#1	5.2989	12.547	1.7593	1.8271	2.8672	2.9737	7.5996	1.8355
#2	5.2778	12.567	1.7547	1.8199	2.8650	2.9843	7.6059	1.8378
#3	5.3340	12.588	1.7531	1.8337	2.8663	2.9700	7.6259	1.8308

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	1.2030	.42960	.53300	.20865	9.0245	2.8173	.16699	1.0668
Stddev	.0026	.00035	.00330	.00081	.0521	.0041	.00092	.0036
%RSD	.21671	.08193	.61833	.38923	.57718	.14663	.54886	.33466

#1	1.2059	.42998	.53283	.20949	9.0420	2.8218	.16769	1.0674
#2	1.2008	.42954	.53638	.20786	9.0656	2.8138	.16595	1.0629
#3	1.2023	.42928	.52979	.20860	8.9659	2.8161	.16733	1.0700

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	1.8096	.13454	1.2238	.28596	2.2618	4.0842	51.056
Stddev	.0035	.00066	.0012	.00115	.0050	.0076	.264
%RSD	.19513	.48751	.09564	.40312	.21881	.18666	.51788

#1	1.8093	.13417	1.2251	.28637	2.2638	4.0808	50.831
#2	1.8063	.13415	1.2232	.28466	2.2654	4.0930	50.991
#3	1.8133	.13530	1.2230	.28686	2.2562	4.0789	51.348

Sample Name: S4 Acquired: 08/05/2021 13:23:53 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1557.6	31489.	9180.9	869.00	1879.9
Stddev	2.6	97.	27.6	4.87	5.7
%RSD	.16403	.30936	.30053	.56051	.30502
#1	1557.6	31378.	9149.2	863.38	1878.9
#2	1560.1	31534.	9199.9	871.54	1886.0
#3	1555.0	31556.	9193.6	872.08	1874.7

Sample Name: S5 Acquired: 08/05/2021 13:28:02 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) 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	.33793	.46354	8.7679	.55502	1.0210	21.813	48.249	1.8547
Stddev	.00095	.00114	.0145	.00269	.0005	.049	.702	.0081
%RSD	.28014	.24686	.16569	.48554	.04683	.22608	1.4548	.43736

#1	.33759	.46482	8.7661	.55206	1.0216	21.868	48.287	1.8618
#2	.33720	.46315	8.7544	.55568	1.0207	21.797	48.932	1.8565
#3	.33900	.46264	8.7833	.55732	1.0207	21.773	47.529	1.8459

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	10.386	24.720	3.3782	3.6257	5.6842	5.8166	14.796	3.7068
Stddev	.021	.016	.0069	.0041	.0072	.0204	.002	.0120
%RSD	.20355	.06667	.20553	.11326	.12603	.35027	.01131	.32478

#1	10.374	24.714	3.3829	3.6258	5.6914	5.8379	14.794	3.7190
#2	10.373	24.738	3.3702	3.6215	5.6841	5.8144	14.798	3.7064
#3	10.410	24.707	3.3815	3.6298	5.6771	5.7974	14.796	3.6949

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	2.3751	.86911	1.0668	.41112	18.651	5.6914	.34187	2.1091
Stddev	.0030	.00143	.0061	.00144	.213	.0138	.00018	.0107
%RSD	.12702	.16440	.57349	.35039	1.1437	.24341	.05229	.50474

#1	2.3781	.87068	1.0735	.41205	18.641	5.7034	.34168	2.1191
#2	2.3721	.86873	1.0654	.41185	18.444	5.6945	.34191	2.1104
#3	2.3751	.86790	1.0616	.40946	18.870	5.6762	.34203	2.0979

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	3.6385	.27451	2.2835	.57320	4.4520	8.3761	101.09	
Stddev	.0026	.00105	.0101	.00086	.0128	.0109	.76	
%RSD	.07268	.38169	.44443	.15011	.28757	.12966	.74991	

#1	3.6413	.27370	2.2915	.57233	4.4653	8.3884	101.79	
#2	3.6383	.27413	2.2868	.57405	4.4508	8.3680	100.28	
#3	3.6360	.27569	2.2721	.57321	4.4398	8.3718	101.20	

Sample Name: S5 Acquired: 08/05/2021 13:28:02 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S05 Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1436.6	30437.	8962.5	795.62	1730.2
Stddev	1.4	82.	58.6	5.94	1.6
%RSD	.09903	.27060	.65330	.74641	.09345
#1	1435.0	30344.	8910.4	794.63	1729.2
#2	1437.2	30500.	8951.2	802.00	1732.0
#3	1437.7	30468.	9025.9	790.24	1729.3

Sample Name: S6 Acquired: 08/05/2021 13:32:07 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) 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	61.958	42.894	16.632	6.4847	3.1433
Stddev	.401	.021	.037	.0179	.0075
%RSD	.64693	.04837	.22387	.27654	.23987

#1	61.630	42.911	16.673	6.5044	3.1462
#2	62.405	42.871	16.621	6.4802	3.1490
#3	61.840	42.901	16.601	6.4694	3.1348

Int. Std.	Y_3710
Units	Cts/S
Avg	8859.0
Stddev	3.3
%RSD	.03691

#1	8861.3
#2	8860.6
#3	8855.3

Sample Name: ICV006 Acquired: 08/05/2021 14:06:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV006 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9972138	1.032053	1.005052	1.054496	.9927903	2.330303
Stddev	.0044532	.005948	.003494	.000589	.0017330	.012018
%RSD	.4465656	.5763410	.3476363	.0558512	.1745545	.5157067

#1	.9961868	1.025184	1.004072	1.054034	.9908721	2.327488
#2	.9933638	1.035513	1.002153	1.054296	.9932561	2.319943
#3	1.002091	1.035460	1.008931	1.055159	.9942428	2.343479

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5230956	.5421763	.5356584	9.833107	.5262793	.5168059
Stddev	.0033133	.0031396	.0010556	.044651	.0029899	.0008794
%RSD	.6334056	.5790717	.1970697	.4540838	.5681191	.1701603

#1	.5193859	.5439186	.5345222	9.782738	.5239119	.5165033
#2	.5241399	.5385519	.5366088	9.848756	.5296393	.5161178
#3	.5257609	.5440584	.5358441	9.867826	.5252868	.5177967

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5325017	10.56172	.5213673	5.479068	.5233774	.2349319
Stddev	.0015071	.07659	.0017196	.036653	.0014866	.0012017
%RSD	.2830171	.7251620	.3298278	.6689614	.2840376	.5114904

#1	.5307799	10.64437	.5194957	5.512918	.5224963	.2335752
#2	.5331437	10.54767	.5217286	5.484144	.5225421	.2353584
#3	.5335814	10.49313	.5228775	5.440141	.5250938	.2358622

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.818046	.5428517	.9345662	9.097298	F .0054419	F .0044187
Stddev	.076197	.0007634	.0029839	.102188	.0024587	.0003529
%RSD	.7760888	.1406235	.3192831	1.123283	45.18039	7.985762

#1	9.735690	.5433545	.9344062	9.155804	.0081780	.0042099
#2	9.832409	.5419733	.9376269	8.979302	.0047294	.0048261
#3	9.886040	.5432273	.9316655	9.156787	.0034181	.0042201

Sample Name: ICV006 Acquired: 08/05/2021 14:06:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV006 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0001217	F .0000733	F .0017337	F -.000528	F -.000447	F .0016615
Stddev	.0007985	.0020095	.0002129	.002032	.000189	.0008542
%RSD	656.2637	2740.954	12.27751	384.9327	42.33653	51.41276

#1	-.000291	.0009135	.0017680	-.000529	-.000664	.0017721
#2	-.000386	.0015264	.0015058	-.002559	-.000362	.0024549
#3	.001042	-.002220	.0019273	.001504	-.000315	.0007573

Elem	Sr4077
Units	ppm
Avg	F -.009276
Stddev	.000097
%RSD	1.047600

#1	-.009365
#2	-.009289
#3	-.009172

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1692.719	32789.51	9308.373	964.7226	2132.157
Stddev	3.478	182.63	28.713	3.0665	2.660
%RSD	.2054923	.5569779	.3084677	.3178653	.1247600

#1	1691.238	32731.74	9276.858	963.5327	2129.904
#2	1696.692	32642.76	9333.051	962.4294	2135.091
#3	1690.225	32994.04	9315.210	968.2057	2131.474

Sample Name: ICSA006 Acquired: 08/05/2021 14:14:24 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSA006 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080276	-.004353	-.005829	.0251025	.0022555	242.9546	.0043273
Stddev	.0026340	.004801	.003031	.0038557	.0028066	.5309	.0003079
%RSD	32.81218	110.2891	51.99069	15.35998	124.4332	.2185092	7.114599

#1	.0110642	.000873	-.003642	.0292740	.0051854	242.5579	.0045098
#2	.0066591	-.005364	-.004557	.0243643	-.000409	243.5577	.0045002
#3	.0063595	-.008567	-.009289	.0216692	.001990	242.7482	.0039718

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011466	-.000882	250.9655	.0589338	-.001488	.0062175	103.4589
Stddev	.0001034	.000272	.5192	.0006591	.000512	.0006208	.3233
%RSD	9.013104	30.87630	.2068687	1.118418	34.39622	9.985150	.3124782

#1	.0010658	-.000823	250.4824	.0596841	-.001737	.0059942	103.1039
#2	.0012631	-.001179	251.5144	.0586690	-.000900	.0057392	103.5368
#3	.0011110	-.000644	250.8996	.0584482	-.001829	.0069190	103.7362

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118296	246.4675	-.001822	.0044441	.6858603	.0023567	.0074312
Stddev	.0006659	1.0701	.000508	.0004582	.0720880	.0027047	.0015375
%RSD	5.629275	.4341783	27.88192	10.31022	10.51060	114.7673	20.68921

#1	.0110619	245.4300	-.001253	.0039170	.7642773	.0009791	.0057344
#2	.0121763	246.4049	-.001984	.0047475	.6708340	.0006181	.0087318
#3	.0122507	247.5675	-.002229	.0046677	.6224698	.0054728	.0078273

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.182533	-.000817	-.004323	-.000363	.0023375	-.001675	.0039823
Stddev	.029941	.006683	.003273	.000874	.0126896	.000401	.0030540
%RSD	16.40284	817.8948	75.71645	240.7161	542.8670	23.96481	76.68919

#1	-.203120	-.007743	-.001592	.000315	.0168311	-.002106	.0067719
#2	-.196293	-.000302	-.003426	-.000055	-.003044	-.001312	.0007192
#3	-.148186	.005594	-.007951	-.001349	-.006774	-.001607	.0044557

Sample Name: ICSA006 Acquired: 08/05/2021 14:14:24 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: ICSA006 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0000183	.0058536	.0074351
Stddev	.0009714	.0005365	.0000627
%RSD	5296.489	9.165491	.8432373

#1	.0010988	.0054140	.0074360
#2	-.000261	.0056954	.0074973
#3	-.000783	.0064515	.0073720

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1598.775	31426.30	9137.169	909.9262	1926.381
Stddev	.965	123.89	50.532	4.2219	2.612
%RSD	.0603856	.3942385	.5530335	.4639773	.1355782

#1	1598.947	31299.40	9185.844	905.0722	1927.035
#2	1597.735	31546.95	9140.696	912.7449	1923.505
#3	1599.643	31432.56	9084.966	911.9614	1928.604

Sample Name: ICSAB006 Acquired: 08/05/2021 14:22:35 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB006 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1079379	.0989585	.0482228	.0769544	.6144071	240.6901	.5290500
Stddev	.0019499	.0024541	.0021968	.0036321	.0025566	.5675	.0017836
%RSD	1.806528	2.479901	4.555580	4.719820	.4161135	.2357808	.3371383

#1	.1076002	.0970716	.0499444	.0775984	.6114958	240.0494	.5284520
#2	.1100345	.0980710	.0457486	.0730434	.6162866	240.8914	.5276422
#3	.1061788	.1017329	.0489756	.0802215	.6154388	241.1296	.5310558

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5419222	1.040810	248.1691	.5727329	.5148759	.5325397	102.9750
Stddev	.0045740	.002230	.4064	.0018058	.0020148	.0018160	.5545
%RSD	.8440262	.2142708	.1637626	.3152889	.3913077	.3410111	.5384894

#1	.5375188	1.038600	248.2680	.5706843	.5126532	.5313991	102.3953
#2	.5466495	1.040769	247.7224	.5740935	.5153921	.5346339	103.5003
#3	.5415984	1.043060	248.5170	.5734210	.5165823	.5315862	103.0293

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5225624	245.6160	1.035170	.2073377	.2877867	.5366837	.9791429
Stddev	.0023549	1.8065	.002512	.0002929	.1253413	.0013397	.0128705
%RSD	.4506371	.7354911	.2426854	.1412488	43.55355	.2496243	1.314461

#1	.5203143	243.5652	1.033679	.2076756	.4314234	.5351500	.9936905
#2	.5223616	246.9716	1.033760	.2071803	.2313572	.5376256	.9692381
#3	.5250112	246.3113	1.038070	.2071572	.2005795	.5372754	.9745000

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.468227	.0029869	-.006208	-.000506	.0078996	.0022721	.0040818
Stddev	.020615	.0017899	.000624	.000293	.0049462	.0018843	.0008956
%RSD	4.402884	59.92477	10.05979	57.88536	62.61322	82.93279	21.94103

#1	-.463752	.0039898	-.006535	-.000776	.0079859	.0003966	.0043188
#2	-.450217	.0009204	-.006601	-.000194	.0029108	.0041651	.0030915
#3	-.490712	.0040503	-.005488	-.000548	.0128020	.0022547	.0048350

Sample Name: ICSAB006 Acquired: 08/05/2021 14:22:35 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1535) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: ICSAB006 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002420	.0034012	.0066093
Stddev	.000752	.0002192	.0005056
%RSD	31.06363	6.444554	7.649862

#1	-.001784	.0035183	.0070603
#2	-.003250	.0035370	.0060627
#3	-.002227	.0031483	.0067050

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1603.895	31485.28	9113.275	915.3006	1936.153
Stddev	3.819	7.88	56.880	6.0237	2.916
%RSD	.2381233	.0250290	.6241433	.6581129	.1505978

#1	1602.637	31478.86	9176.316	908.6016	1936.701
#2	1600.864	31494.07	9065.796	920.2712	1933.002
#3	1608.185	31482.91	9097.711	917.0290	1938.756