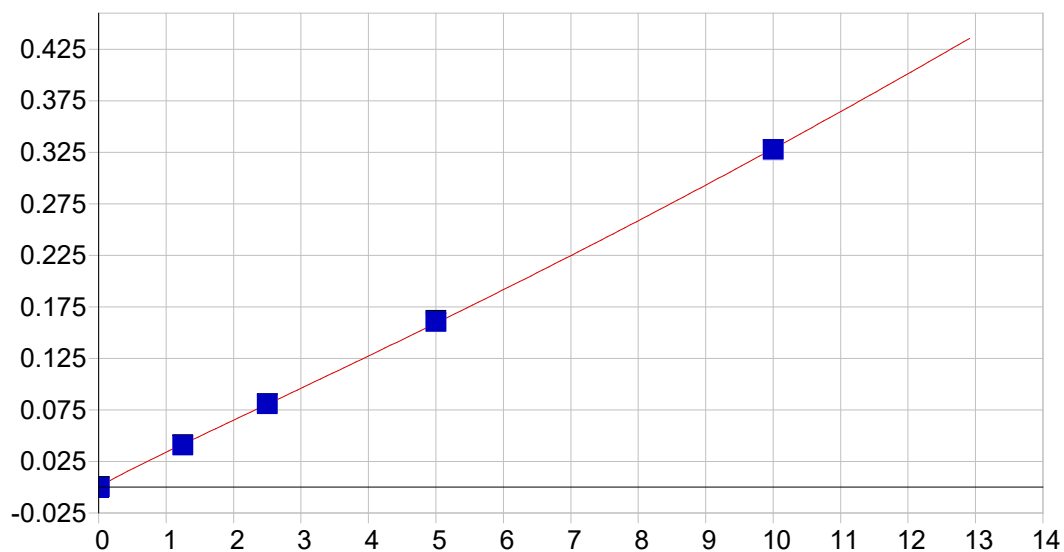


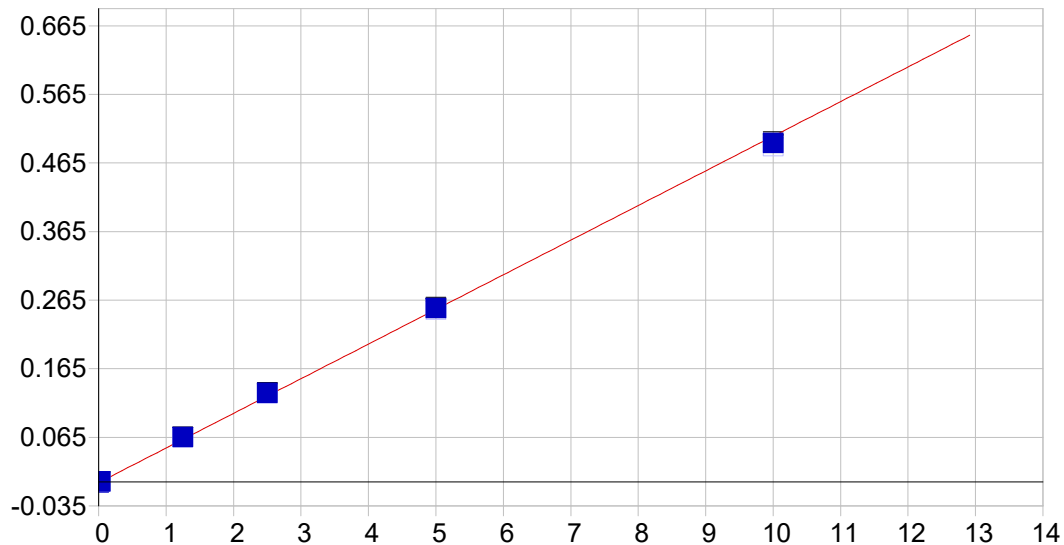


As 189.042 {479}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): -0.000354 Re-Slope: 1.000000
 A1 (Gain): 0.033082 Y-int: 0.000000
 A2 (Curvature): 0.001195
 n (Exponent): 0.890000
 Correlation: 0.999954 Status: Warning Positive Curvature
 Std Error of Est: 0.000007
 Predicted MDL: 0.007581
 Predicted MQL: 0.025270

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00035	.000	1
S1	.01000	.01121	.001	12.1	.00025	.000	1
S2	1.2500	1.2158	-.034	-2.73	.04061	.000	1
S3	2.5000	2.5101	.010	.403	.08065	.000	1
S4	5.0000	5.0470	.047	.940	.16032	.001	1
S5	10.000	9.9783	-.022	-.217	.32692	.000	1

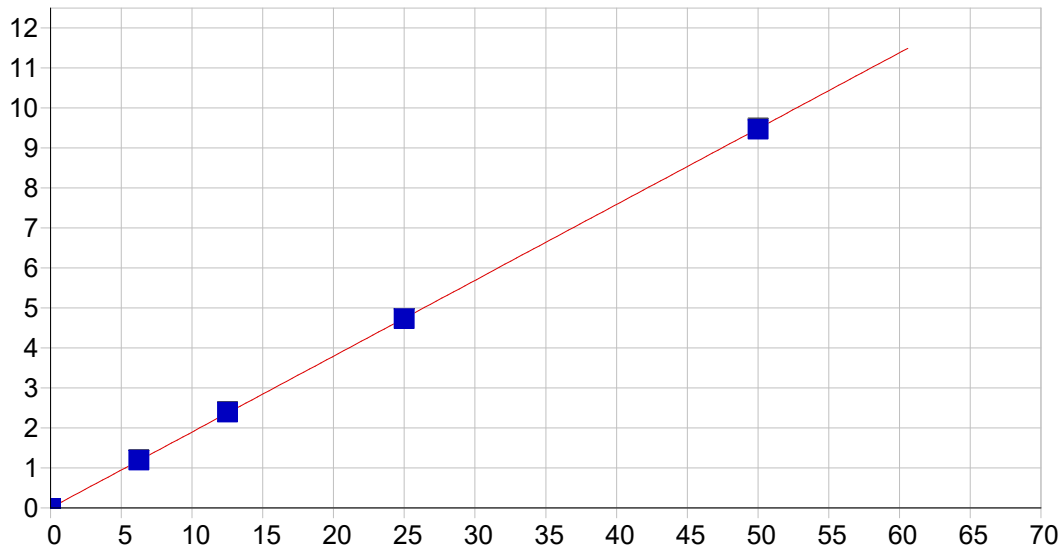


TI 190.856 {477}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001108 Re-Slope: 1.000000
 A1 (Gain): 0.050508 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999665 Status: OK.
 Std Error of Est: 0.000034
 Predicted MDL: 0.004897
 Predicted MQL: 0.016323

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00111	.000	1
S1	.02500	.03018	.005	20.7	.00036	.000	1
S2	1.2500	1.3168	.067	5.34	.06483	.000	1
S3	2.5000	2.5932	.093	3.73	.12872	.000	1
S4	5.0000	5.0349	.035	.697	.25089	.002	1
S5	10.000	9.8002	-.200	-2.00	.48928	.002	1

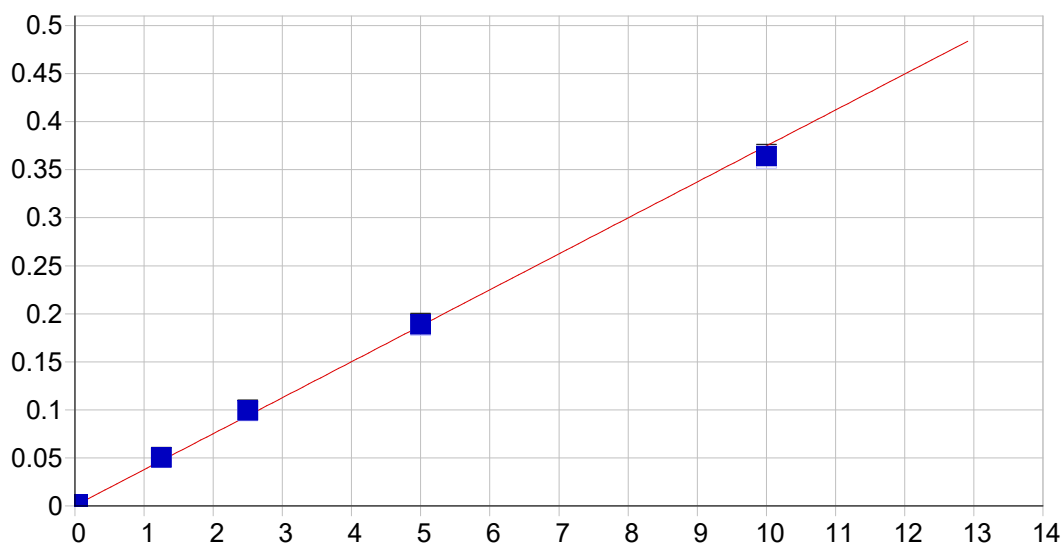


Pb 220.353 {453}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000608	Re-Slope:	1.000000
A1 (Gain):	0.189688	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999991	Status:	OK.
Std Error of Est:	0.000030		
Predicted MDL:	0.002602		
Predicted MQL:	0.008672		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00061	.000	1
S1	.01000	.00938	-.001	-6.21	.00239	.000	1
S2	6.2500	6.2903	.040	.645	1.1945	.002	1
S3	12.500	12.615	.115	.916	2.3948	.005	1
S4	25.000	24.921	-.079	-.315	4.7306	.002	1
S5	50.000	49.925	-.075	-.151	9.4761	.022	1

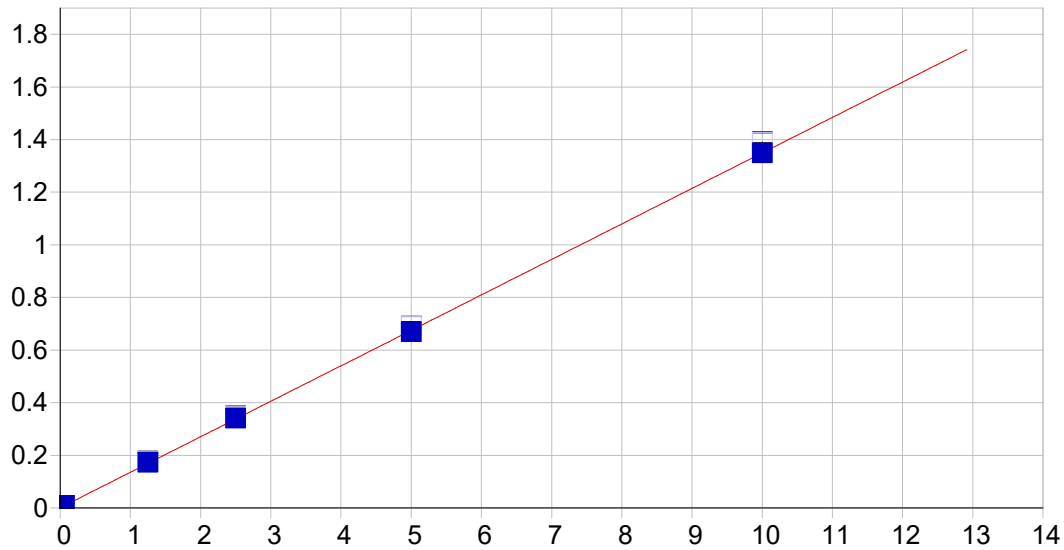


Se 196.090 {472}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000322	Re-Slope:	1.000000
A1 (Gain):	0.037437	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999309	Status:	OK.
Std Error of Est:	0.000043		
Predicted MDL:	0.006985		
Predicted MQL:	0.023284		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00032	.000	1
S1	.03500	.04514	.010	29.0	.00201	.000	1
S2	1.2500	1.3376	.088	7.01	.05006	.000	1
S3	2.5000	2.6436	.144	5.74	.09861	.001	1
S4	5.0000	5.0408	.041	.817	.18768	.001	1
S5	10.000	9.7178	-.282	-2.82	.36141	.002	1

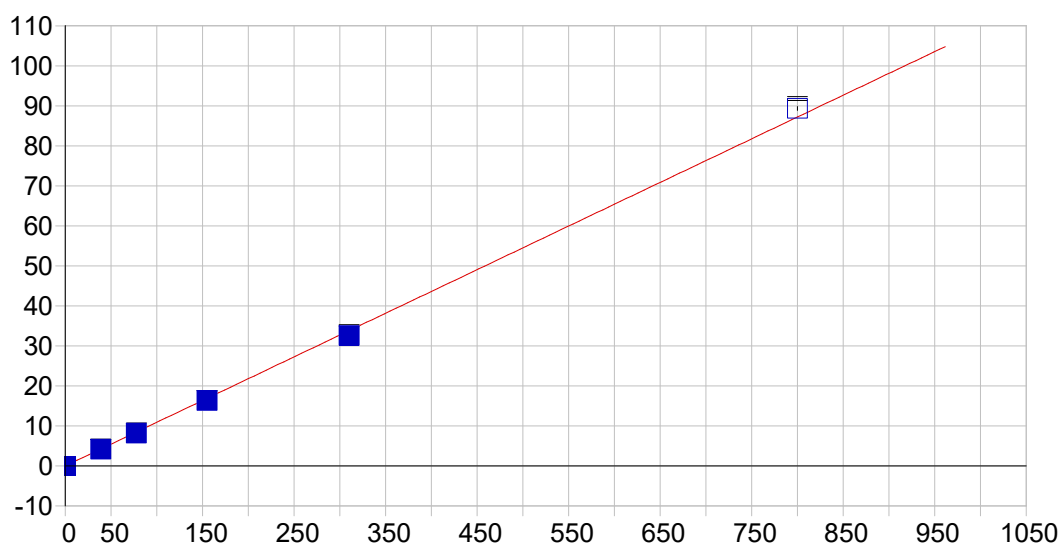


Sb 206.833 {463}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000685 Re-Slope: 1.000000
 A1 (Gain): 0.134850 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999968 Status: OK.
 Std Error of Est: 0.000046
 Predicted MDL: 0.002750
 Predicted MQL: 0.009168

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00068	.000	1
S1	.06000	.06449	.004	7.49	.00938	.000	1
S2	1.2500	1.2729	.023	1.83	.17748	.000	1
S3	2.5000	2.5203	.020	.811	.35084	.001	1
S4	5.0000	4.9585	-.041	-.829	.68993	.000	1
S5	10.000	9.9940	-.006	-.060	1.3895	.002	1

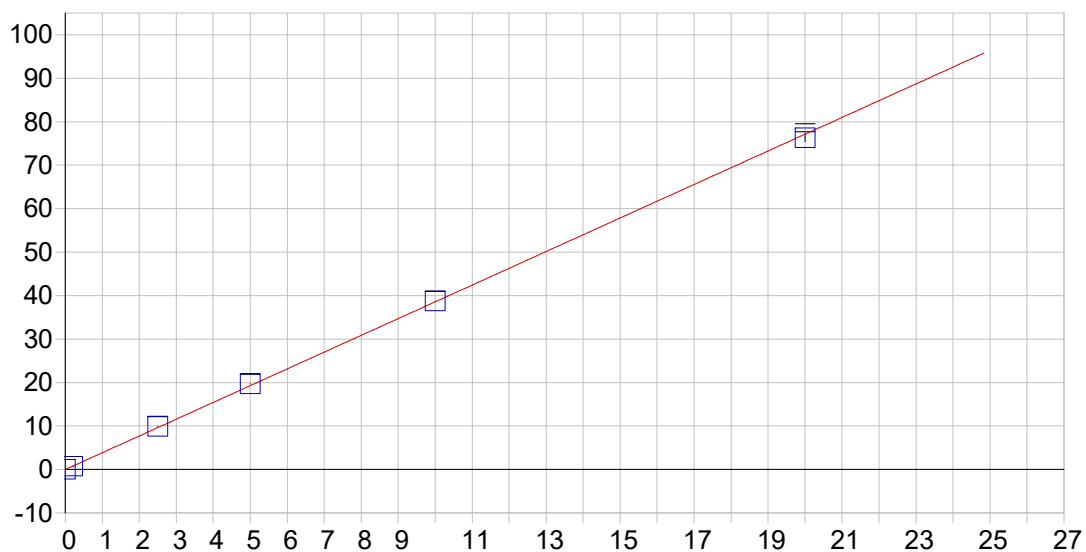


AI 396.152 { 85}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000023 Re-Slope: 1.000000
 A1 (Gain): 0.109046 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999577 Status: OK.
 Std Error of Est: 0.001972
 Predicted MDL: 0.009095
 Predicted MQL: 0.030316

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00002	.000	1
S1	.20000	.20919	.009	4.60	.02282	.000	1
S2	38.750	37.849	-.901	-2.32	4.1317	.006	1
S3	77.500	75.166	-2.33	-3.01	8.2054	.055	1
S4	155.00	149.55	-5.45	-3.52	16.325	.010	1
S5	310.00	298.91	-11.1	-3.58	32.631	.151	1
S6	800.00	819.79	19.8	2.47	89.395	.491	1

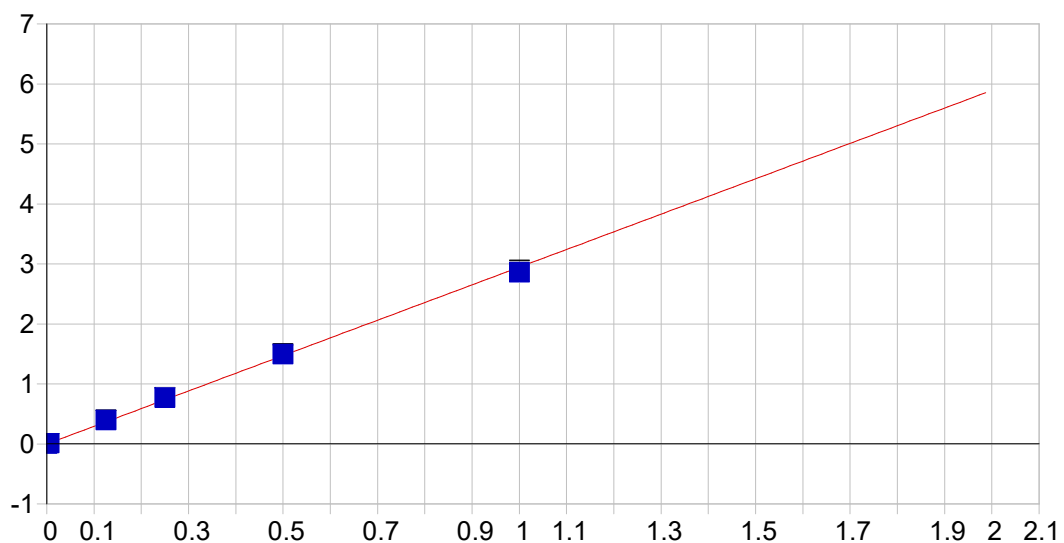


Ba 493.409 { 68}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.008840 Re-Slope: 1.000000
 A1 (Gain): 3.857253 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999910 Status: OK.
 Std Error of Est: 0.005493
 Predicted MDL: 0.000733
 Predicted MQL: 0.002442

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00887	.003	1
S1	.20000	.19806	-.002	-.969	.75513	.003	1
S2	2.5000	2.5720	.072	2.88	9.9118	.017	1
S3	5.0000	5.1057	.106	2.11	19.685	.036	1
S4	10.000	10.039	.039	.386	38.712	.048	1
S5	20.000	19.786	-.214	-1.07	76.310	.924	1

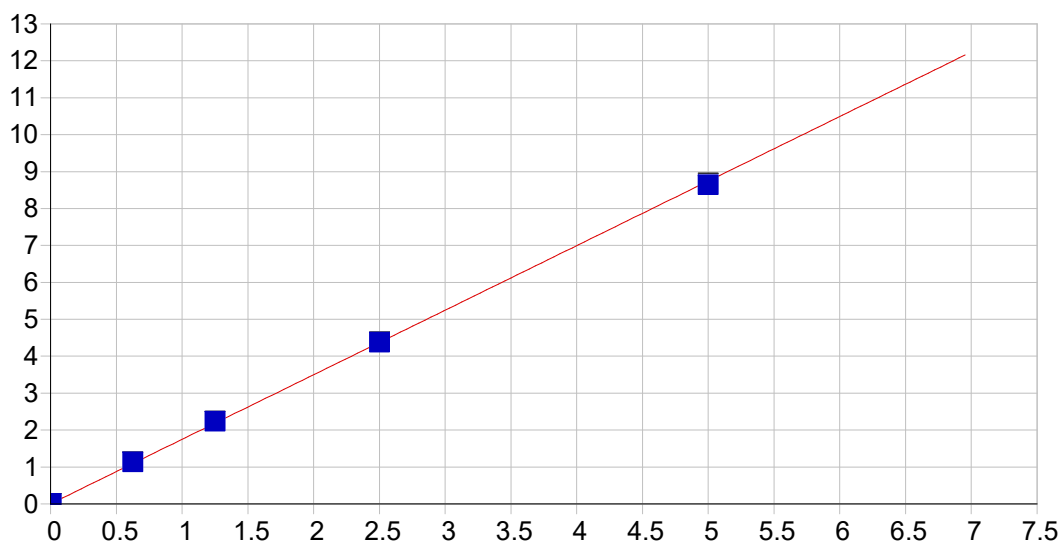


Be 234.861 {144}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.001188	Re-Slope:	1.000000
A1 (Gain):	2.946740	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999390	Status:	OK.
Std Error of Est:	0.000385		
Predicted MDL:	0.000110		
Predicted MQL:	0.000365		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00119	.000	1
S1	.00500	.00547	.000	9.35	.01492	.000	1
S2	.12500	.13437	.009	7.50	.39381	.003	1
S3	.25000	.26205	.012	4.82	.76909	.003	1
S4	.50000	.50729	.007	1.46	1.4899	.009	1
S5	1.0000	.97083	-.029	-2.92	2.8520	.037	1

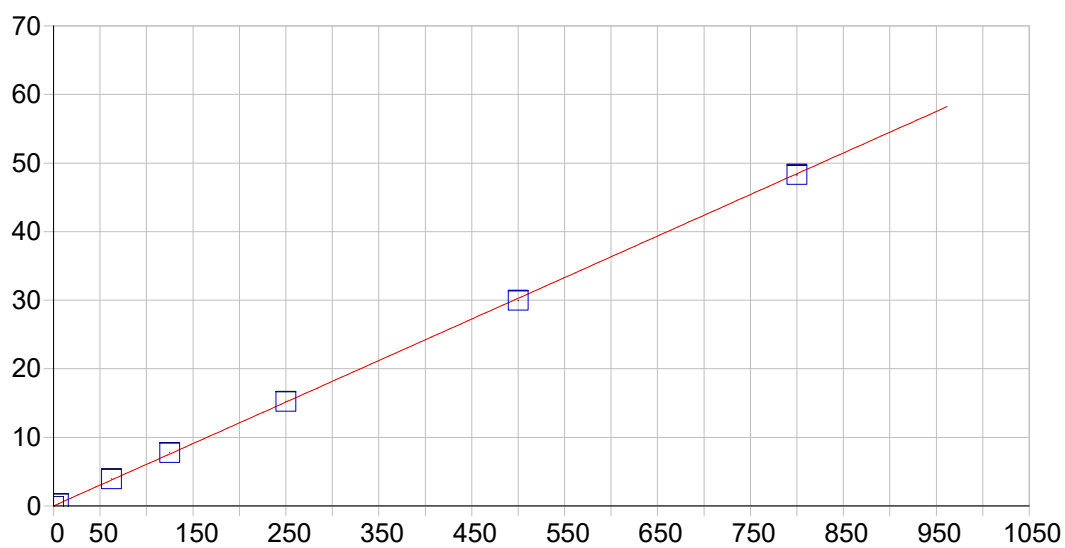


Cd 214.438 {457}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000533 Re-Slope: 1.000000
 A1 (Gain): 1.748616 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999880 Status: OK.
 Std Error of Est: 0.000227
 Predicted MDL: 0.000174
 Predicted MQL: 0.000580

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00053	.000	1
S1	.00500	.00531	.000	6.18	.00982	.000	1
S2	.62500	.64823	.023	3.72	1.1362	.003	1
S3	1.2500	1.2795	.029	2.36	2.2422	.002	1
S4	2.5000	2.5047	.005	.186	4.3889	.006	1
S5	5.0000	4.9423	-.058	-1.15	8.6600	.031	1

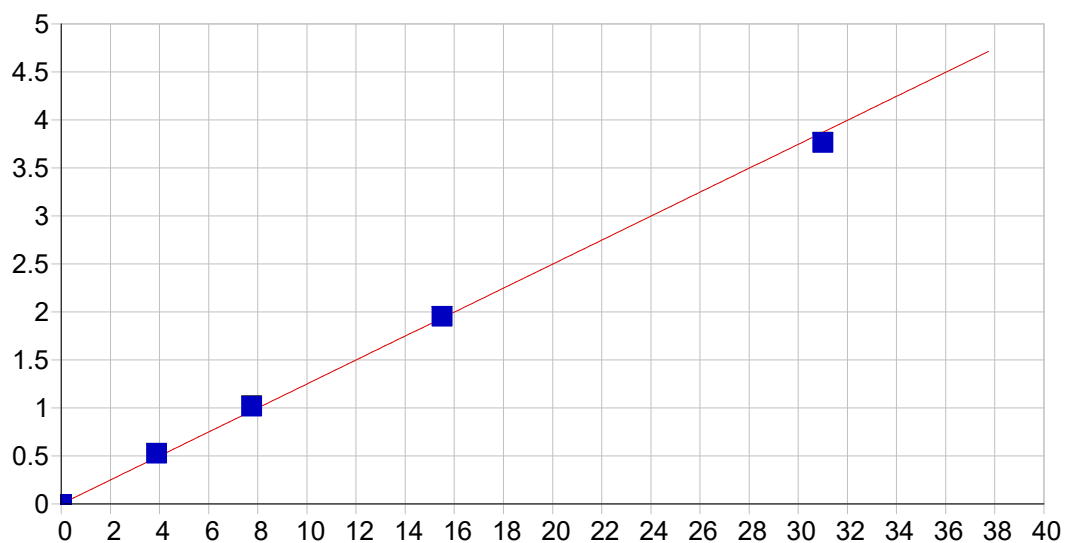


Ca 373.690 { 90}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001276 Re-Slope: 1.000000
 A1 (Gain): 0.060549 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999916 Status: OK.
 Std Error of Est: 0.002747
 Predicted MDL: 0.013779
 Predicted MQL: 0.045930

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00068	-.001	.000	.00123	.000	1
S1	5.0000	5.3833	.383	7.67	.32723	.001	1
S2	62.500	65.093	2.59	4.15	3.9425	.017	1
S3	125.00	128.28	3.28	2.63	7.7687	.016	1
S4	250.00	251.39	1.39	.558	15.223	.022	1
S5	500.00	494.69	-5.31	-1.06	29.954	.033	1
S6	800.00	797.66	-2.34	-.293	48.299	.086	1

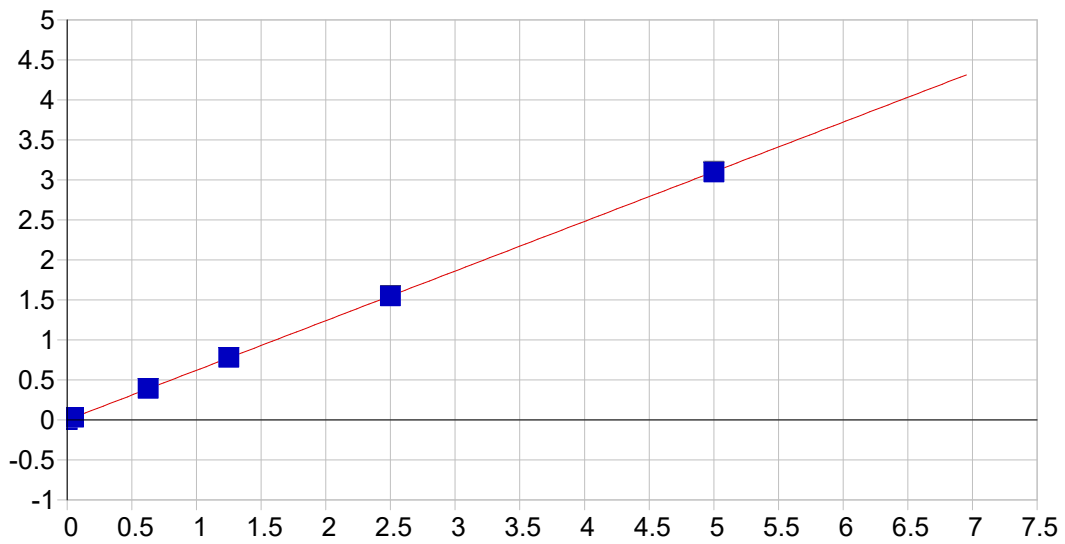


Cr 267.716 {126}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000049	Re-Slope:	1.000000
A1 (Gain):	0.124880	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999361	Status:	OK.
Std Error of Est:	0.000132		
Predicted MDL:	0.000671		
Predicted MQL:	0.002238		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00005	.000	1
S1	.01000	.01086	.001	8.62	.00141	.000	1
S2	3.8750	4.2061	.331	8.54	.52545	.001	1
S3	7.7500	8.1500	.400	5.16	1.0181	.001	1
S4	15.500	15.634	.134	.868	1.9531	.002	1
S5	31.000	30.134	-.866	-2.79	3.7643	.003	1

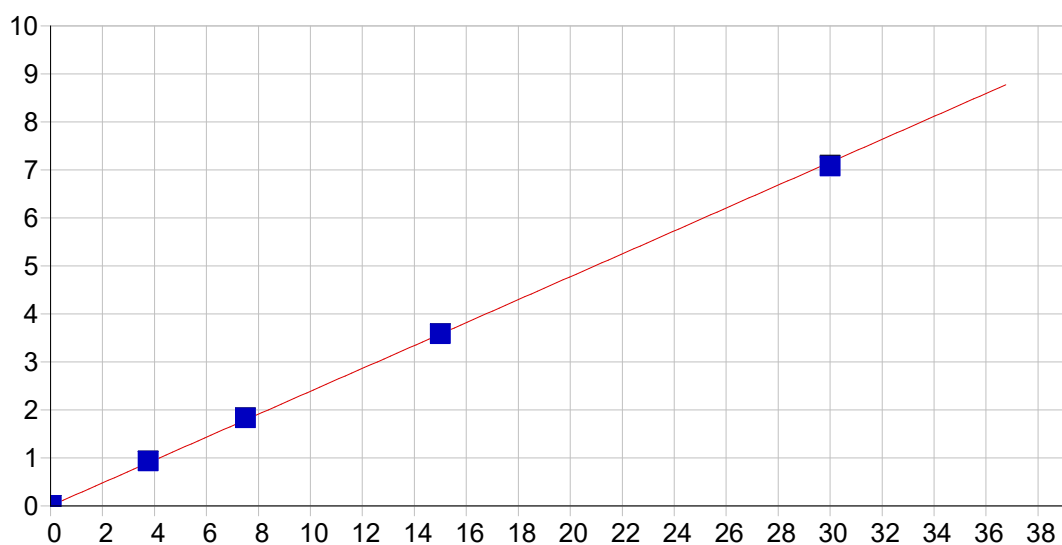


Co 228.616 {448}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000029 Re-Slope: 1.000000
 A1 (Gain): 0.620340 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999993 Status: OK.
 Std Error of Est: 0.000064
 Predicted MDL: 0.000485
 Predicted MQL: 0.001616

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00003	.000	1
S1	.05000	.05115	.001	2.30	.03187	.000	1
S2	.62500	.62991	.005	.785	.39137	.000	1
S3	1.2500	1.2578	.008	.626	.78147	.000	1
S4	2.5000	2.4938	-.006	-.249	1.5493	.003	1
S5	5.0000	4.9923	-.008	-.153	3.1016	.006	1

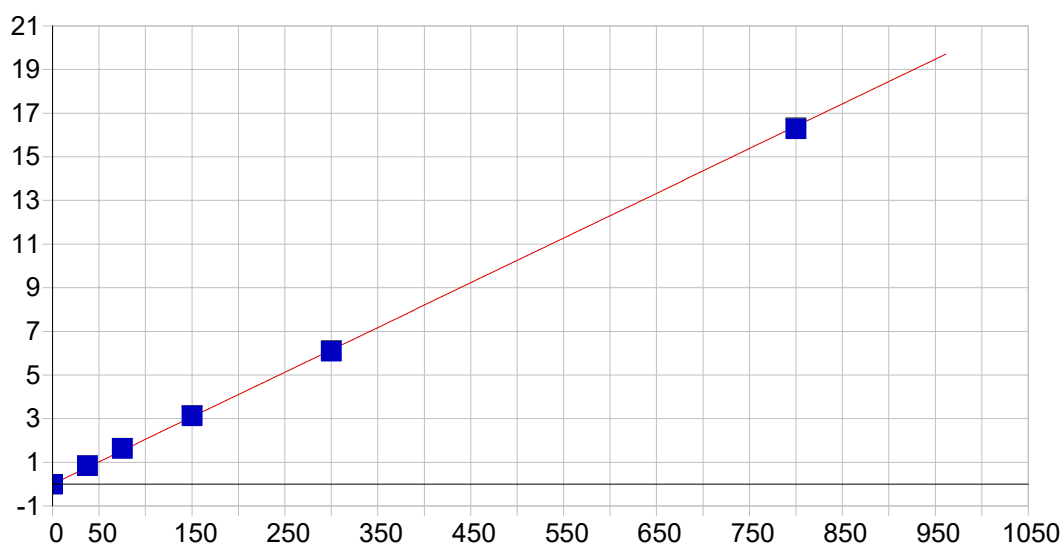


Cu 324.754 {104}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001388 Re-Slope: 1.000000
 A1 (Gain): 0.238623 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999877 Status: OK.
 Std Error of Est: 0.000172
 Predicted MDL: 0.002278
 Predicted MQL: 0.007592

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00139	.000	1
S1	.02500	.02556	.001	2.25	.00748	.000	1
S2	3.7500	3.9039	.154	4.10	.93175	.003	1
S3	7.5000	7.6655	.165	2.21	1.8281	.002	1
S4	15.000	15.018	.018	.120	3.5802	.003	1
S5	30.000	29.662	-.338	-1.13	7.0698	.017	1

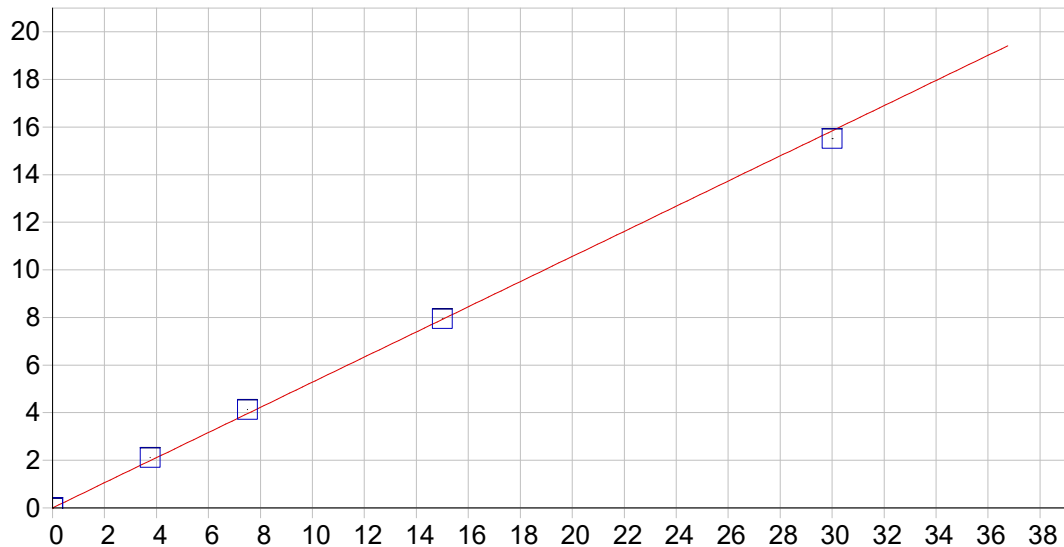


Fe 259.837 {130}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000026 Re-Slope: 1.000000
 A1 (Gain): 0.020504 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999783 Status: OK.
 Std Error of Est: 0.000186
 Predicted MDL: 0.011576
 Predicted MQL: 0.038585

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	-.00003	.000	1
S1	.10000	.11874	.019	18.7	.00242	.000	1
S2	37.500	40.519	3.02	8.05	.83170	.001	1
S3	75.000	79.181	4.18	5.57	1.6253	.009	1
S4	150.00	152.15	2.15	1.43	3.1234	.005	1
S5	300.00	297.00	-3.00	-.999	6.0971	.021	1
S6	800.00	793.62	-6.38	-.797	16.284	.037	1

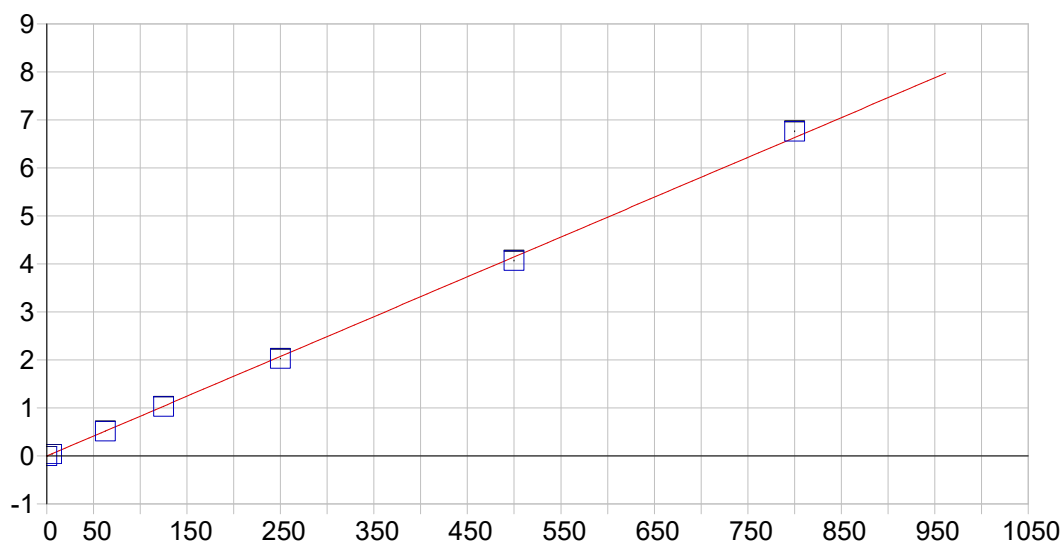


Mn 257.610 {131}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000219 Re-Slope: 1.000000
 A1 (Gain): 0.528130 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999605 Status: OK.
 Std Error of Est: 0.000528
 Predicted MDL: 0.000516
 Predicted MQL: 0.001720

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00022	.000	1
S1	.01500	.01673	.002	11.6	.00906	.000	1
S2	3.7500	3.9997	.250	6.66	2.1126	.008	1
S3	7.5000	7.8253	.325	4.34	4.1330	.010	1
S4	15.000	15.055	.055	.367	7.9512	.011	1
S5	30.000	29.368	-.632	-2.11	15.510	.002	1

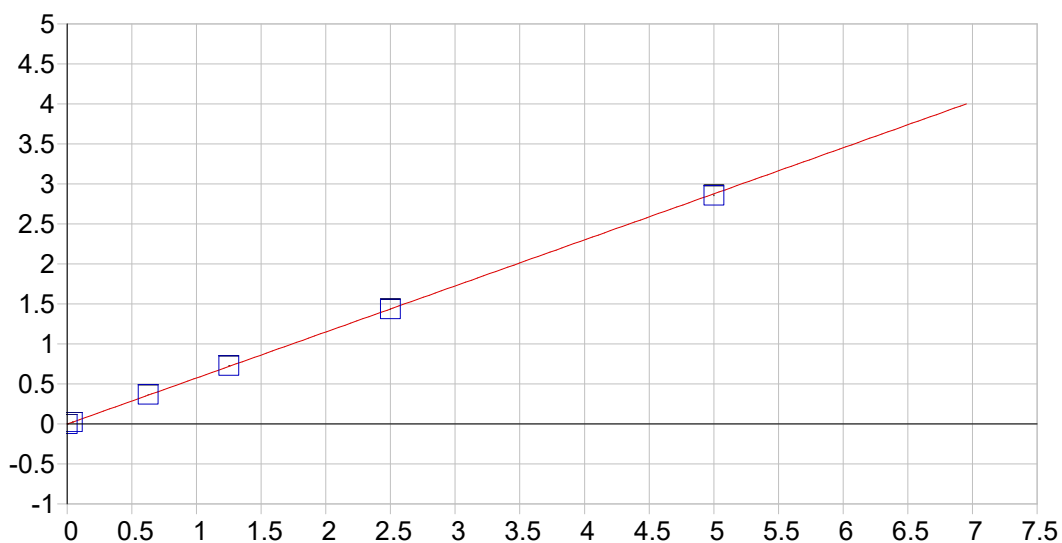


Mg 279.079 {121}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000242	Re-Slope:	1.000000
A1 (Gain):	0.008291	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999829	Status:	OK.
Std Error of Est:	0.000536		
Predicted MDL:	0.034116		
Predicted MQL:	0.113720		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00010	.000	.000	-.00024	.000	1
S1	5.0000	5.0586	.059	1.17	.04170	.000	1
S2	62.500	62.273	-.227	-.363	.51609	.001	1
S3	125.00	124.00	-.996	-.797	1.0279	.004	1
S4	250.00	244.67	-5.33	-2.13	2.0285	.007	1
S5	500.00	490.84	-9.16	-1.83	4.0696	.012	1
S6	800.00	815.65	15.6	1.96	6.7627	.008	1

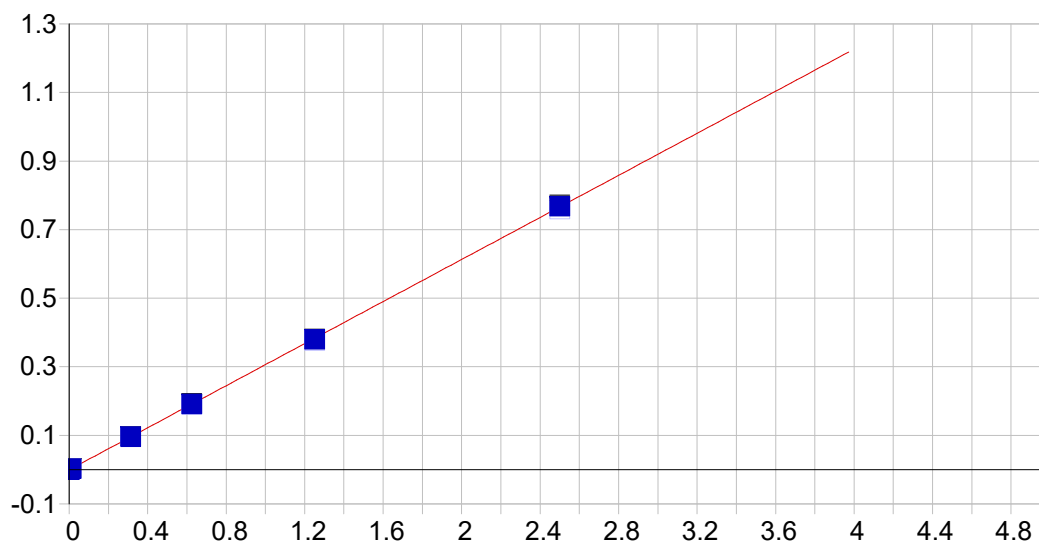


Ni 231.604 {446}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001564 Re-Slope: 1.000000
 A1 (Gain): 0.575470 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999945 Status: OK.
 Std Error of Est: 0.000144
 Predicted MDL: 0.000675
 Predicted MQL: 0.002249

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00157	.000	1
S1	.04000	.04233	.002	5.83	.02280	.000	1
S2	.62500	.64025	.015	2.44	.36688	.001	1
S3	1.2500	1.2697	.020	1.57	.72910	.000	1
S4	2.5000	2.4957	-.004	-.174	1.4346	.005	1
S5	5.0000	4.9671	-.033	-.658	2.8568	.007	1

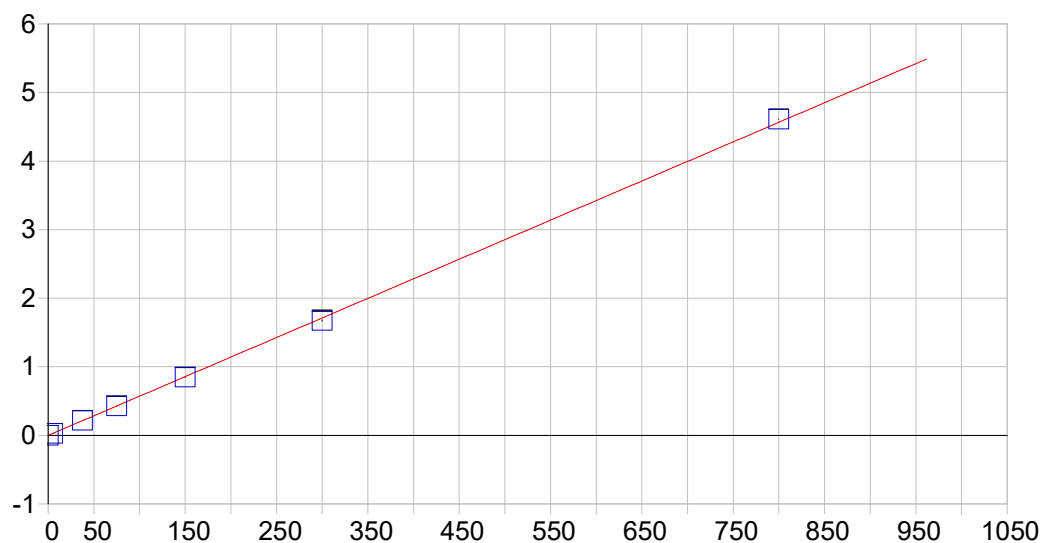


Ag 328.068 {103}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000627	Re-Slope:	1.000000
A1 (Gain):	0.306752	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999986	Status:	OK.
Std Error of Est:	0.000014		
Predicted MDL:	0.000475		
Predicted MQL:	0.001585		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00063	.000	1
S1	.01000	.01031	.000	3.06	.00251	.000	1
S2	.31250	.31501	.003	.804	.09498	.000	1
S3	.62500	.62675	.002	.280	.18959	.001	1
S4	1.2500	1.2397	-.010	-.823	.37558	.001	1
S5	2.5000	2.5057	.006	.229	.75985	.004	1

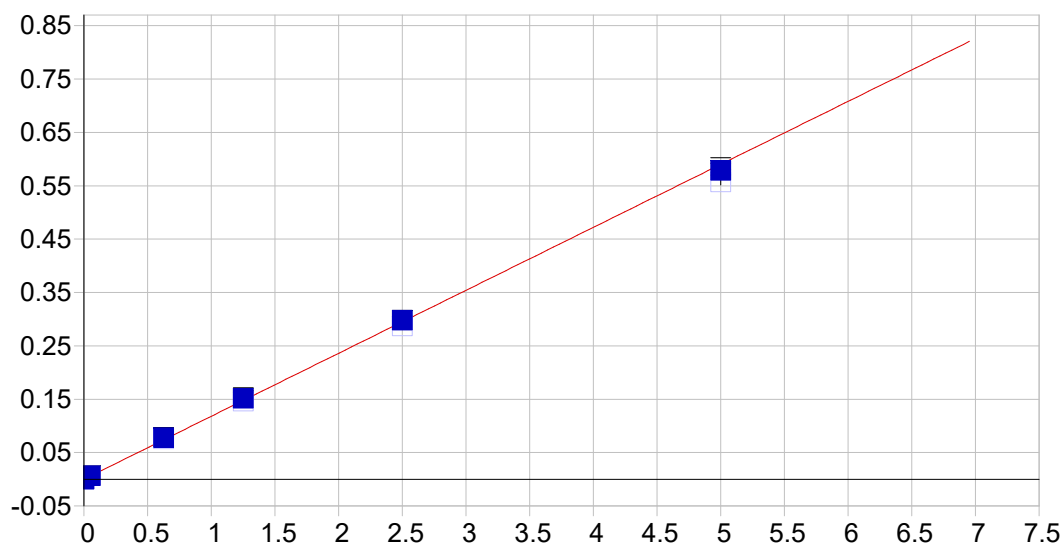


Na 818.326 { 41}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000144	Re-Slope:	1.000000
A1 (Gain):	0.005707	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999909	Status:	OK.
Std Error of Est:	0.000238		
Predicted MDL:	0.276441		
Predicted MQL:	0.921469		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00007	.000	.000	-.00014	.001	1
S1	5.0000	4.9833	-.017	-.335	.02829	.001	1
S2	37.500	38.058	.558	1.49	.21705	.003	1
S3	75.000	74.697	-.303	-.404	.42614	.004	1
S4	150.00	148.49	-1.51	-1.01	.84727	.002	1
S5	300.00	293.38	-6.62	-2.21	1.6742	.011	1
S6	800.00	807.89	7.89	.986	4.6104	.002	1

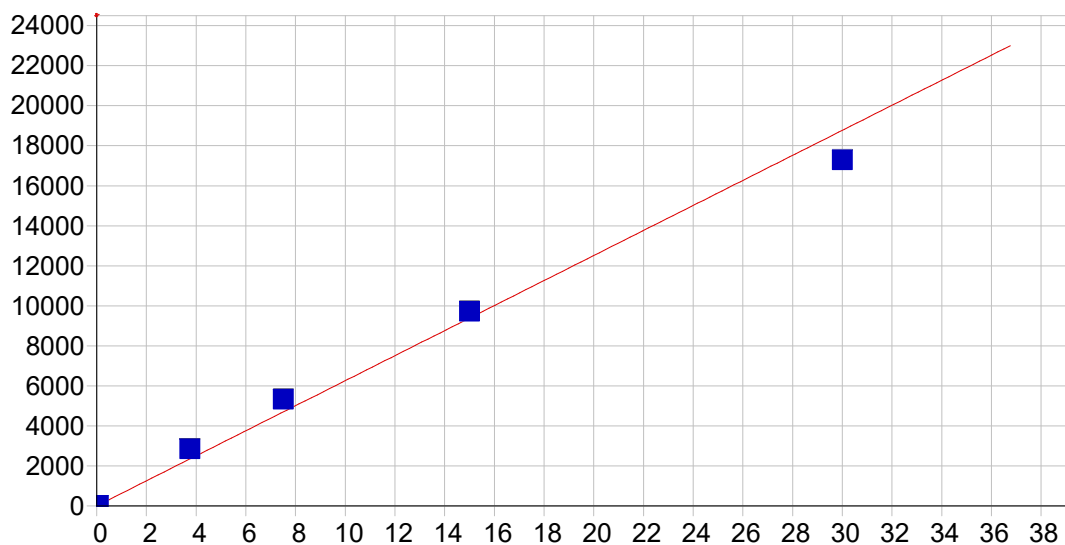


V 292.402 {115}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000004	Re-Slope:	1.000000
A1 (Gain):	0.118017	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999683	Status:	OK.
Std Error of Est:	0.000076		
Predicted MDL:	0.003294		
Predicted MQL:	0.010978		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	-.00000	.000	1
S1	.05000	.05552	.006	11.0	.00653	.000	1
S2	.62500	.65934	.034	5.49	.07509	.000	1
S3	1.2500	1.2849	.035	2.79	.14621	.001	1
S4	2.5000	2.5220	.022	.882	.28678	.000	1
S5	5.0000	4.9030	-.097	-1.94	.55692	.005	1

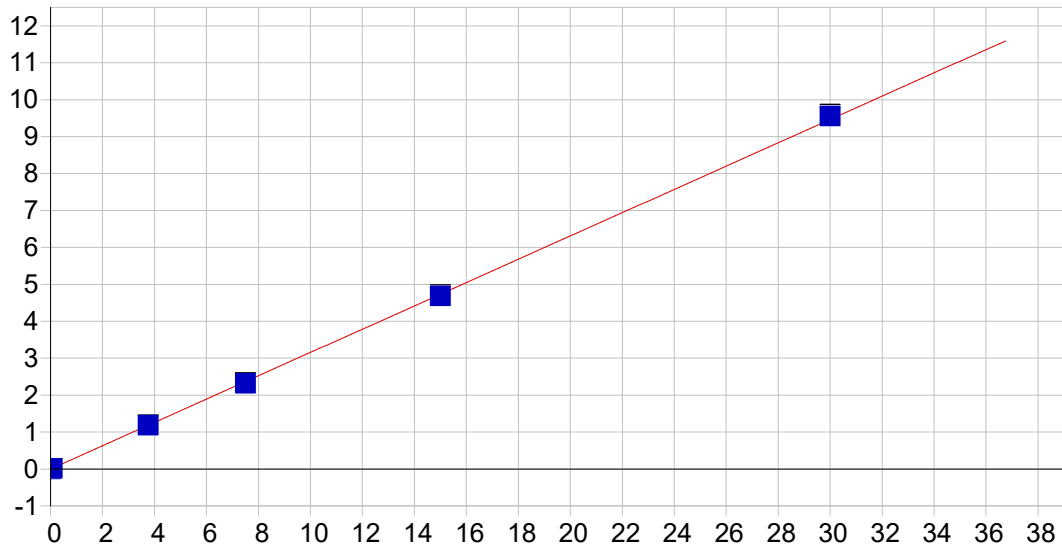


Zn 206.200 {464}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 1.135329 Re-Slope: 1.000000
 A1 (Gain): 625.653140 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.995398 Status: OK.
 Std Error of Est: 4.289153
 Predicted MDL: 0.000706
 Predicted MQL: 0.002352

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00004	-.000	.000	1.1119	.123	1
S1	.06000	.07916	.019	31.9	50.779	.111	1
S2	3.7500	4.5507	.801	21.4	2850.1	7.96	1
S3	7.5000	8.5224	1.02	13.6	5336.9	4.19	1
S4	15.000	15.530	.530	3.53	9724.6	11.7	1
S5	30.000	27.628	-2.37	-7.91	17301.	20.7	1

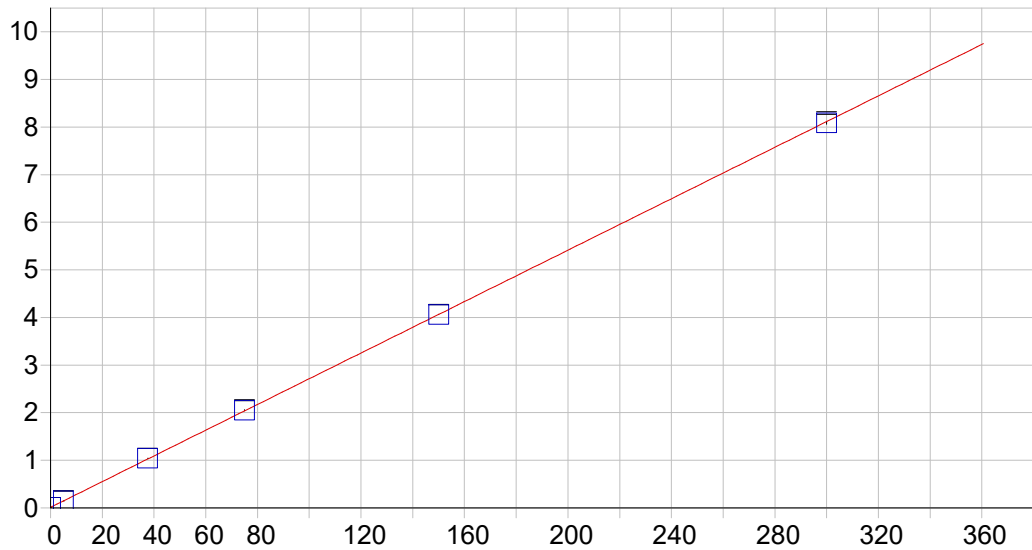


Zn 213.856 {158}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000342 Re-Slope: 1.000000
 A1 (Gain): 0.315442 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999936 Status: OK.
 Std Error of Est: 0.000254
 Predicted MDL: 0.003206
 Predicted MQL: 0.010686

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00034	.001	1
S1	.06000	.05621	-.004	-6.32	.01745	.001	1
S2	3.7500	3.7575	.007	.199	1.1858	.008	1
S3	7.5000	7.3510	-.149	-1.99	2.3203	.019	1
S4	15.000	14.860	-.140	-.932	4.6909	.026	1
S5	30.000	30.285	.285	.950	9.5603	.049	1

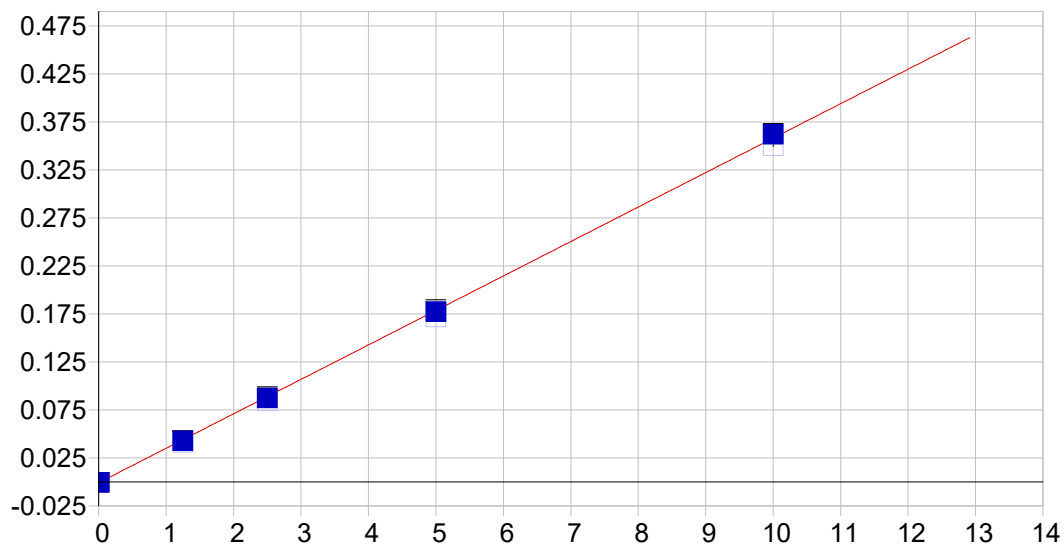


K 769.896 { 44}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.012561 Re-Slope: 1.000000
 A1 (Gain): 0.027009 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999985 Status: OK.
 Std Error of Est: 0.000307
 Predicted MDL: 0.059048
 Predicted MQL: 0.196826

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00014	-.000	.000	.01256	.001	1
S1	5.0000	5.0465	.046	.930	.14886	.001	1
S2	37.500	38.112	.612	1.63	1.0419	.001	1
S3	75.000	75.490	.490	.654	2.0515	.010	1
S4	150.00	149.88	-.125	-.083	4.0606	.004	1
S5	300.00	298.98	-1.02	-.341	8.0877	.028	1

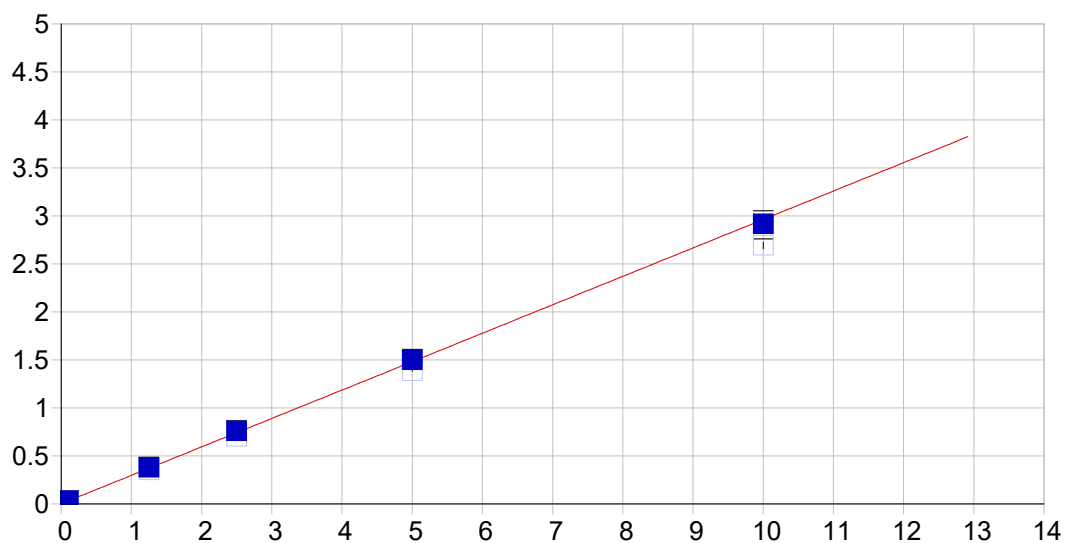


P 177.495 {490}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000931 Re-Slope: 1.000000
 A1 (Gain): 0.035904 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999910 Status: OK.
 Std Error of Est: 0.000008
 Predicted MDL: 0.005610
 Predicted MQL: 0.018700

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00093	.000	1
S1	.01000	.00977	-.000	-2.28	-.00059	.000	1
S2	1.2500	1.2121	-.038	-3.04	.04110	.000	1
S3	2.5000	2.4609	-.039	-1.56	.08446	.001	1
S4	5.0000	4.9680	-.032	-.639	.17150	.002	1
S5	10.000	10.109	.109	1.09	.35016	.001	1

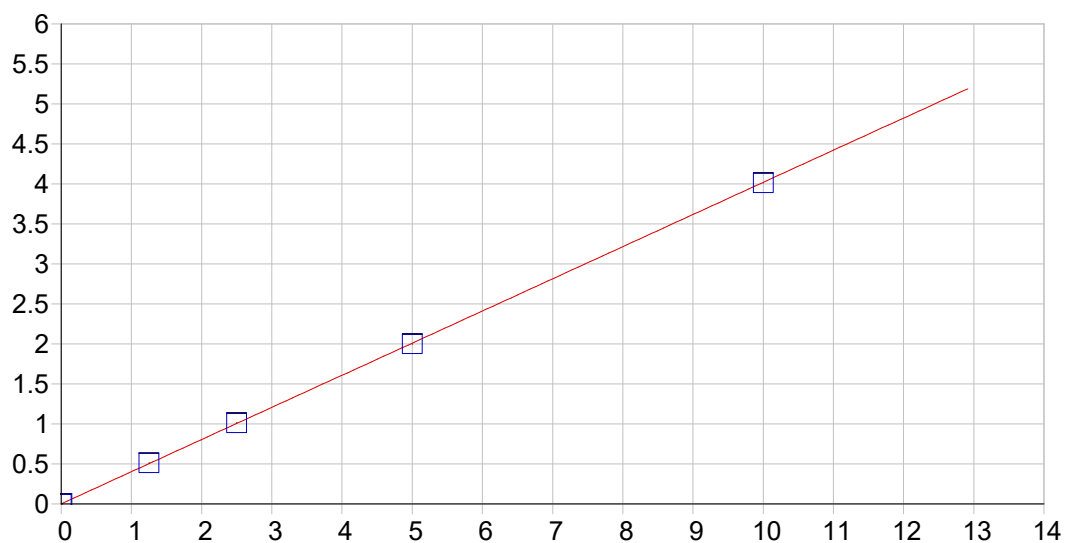


B 249.678 {135}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001463 Re-Slope: 1.000000
 A1 (Gain): 0.296094 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999822 Status: OK.
 Std Error of Est: 0.000275
 Predicted MDL: 0.001344
 Predicted MQL: 0.004481

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00146	.000	1
S1	.10000	.10399	.004	3.99	.03221	.000	1
S2	1.2500	1.2825	.033	2.60	.35324	.002	1
S3	2.5000	2.5623	.062	2.49	.70421	.001	1
S4	5.0000	5.0589	.059	1.18	1.3875	.009	1
S5	10.000	9.8420	-.158	-1.58	2.6919	.036	1

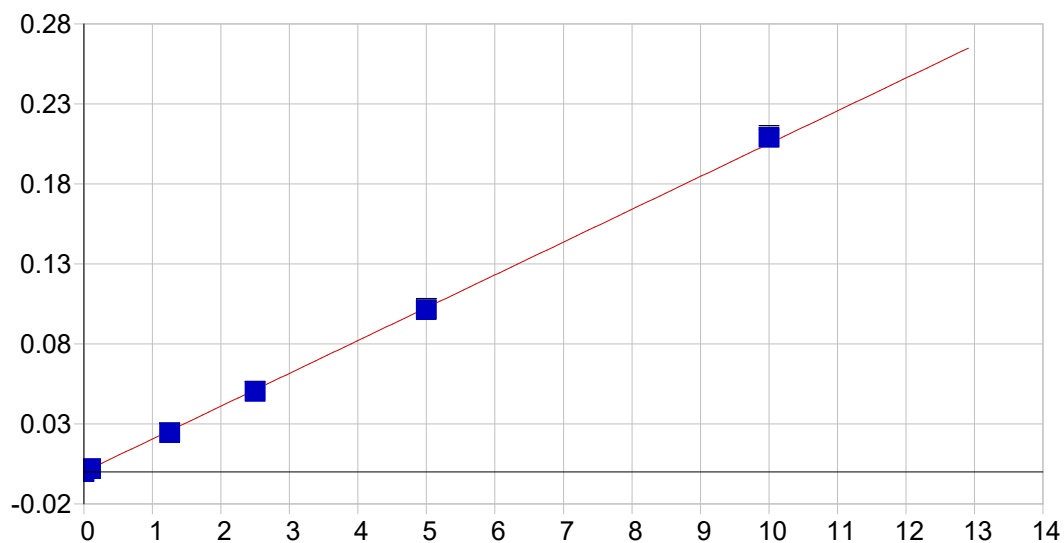


Mo 202.030 {467}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000641 Re-Slope: 1.000000
 A1 (Gain): 0.401842 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999979 Status: OK.
 Std Error of Est: 0.000043
 Predicted MDL: 0.000713
 Predicted MQL: 0.002377

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00064	.000	1
S1	.01000	.01010	.000	.950	.00470	.000	1
S2	1.2500	1.2759	.026	2.07	.51333	.001	1
S3	2.5000	2.5147	.015	.589	1.0112	.003	1
S4	5.0000	4.9753	-.025	-.494	1.9999	.002	1
S5	10.000	9.9840	-.016	-.160	4.0126	.002	1

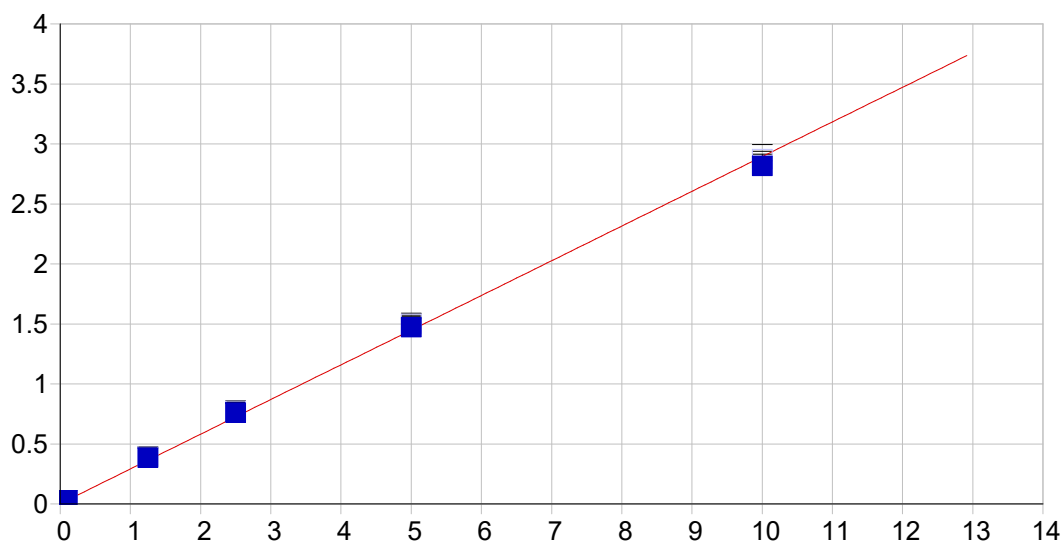


S 182.034 {485}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000067 Re-Slope: 1.000000
 A1 (Gain): 0.020507 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999743 Status: OK.
 Std Error of Est: 0.000025
 Predicted MDL: 0.008802
 Predicted MQL: 0.029341

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00007	.000	1
S1	.10000	.09072	-.009	-9.28	.00193	.000	1
S2	1.2500	1.1869	-.063	-5.05	.02440	.000	1
S3	2.5000	2.4408	-.059	-2.37	.05012	.000	1
S4	5.0000	4.9426	-.057	-1.15	.10142	.001	1
S5	10.000	10.189	.189	1.89	.20899	.001	1

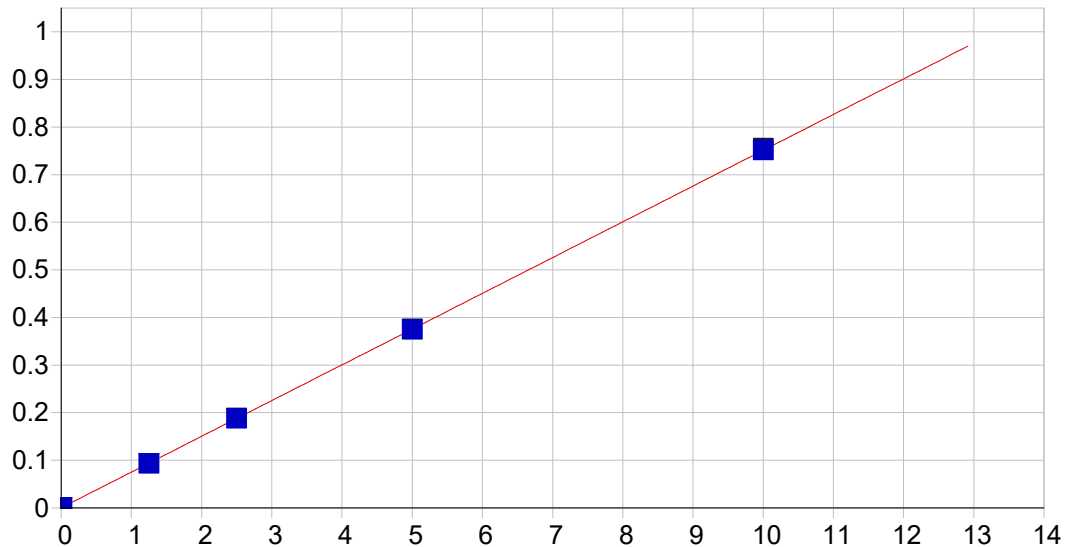


Si 251.611 {134}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002346 Re-Slope: 1.000000
 A1 (Gain): 0.289140 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999535 Status: OK.
 Std Error of Est: 0.000478
 Predicted MDL: 0.001378
 Predicted MQL: 0.004595

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00234	.001	1
S1	.10000	.10298	.003	2.98	.03244	.000	1
S2	1.2500	1.3204	.070	5.63	.39118	.003	1
S3	2.5000	2.6188	.119	4.75	.77365	.004	1
S4	5.0000	5.0783	.078	1.57	1.4989	.007	1
S5	10.000	9.7295	-.271	-2.71	2.8719	.039	1

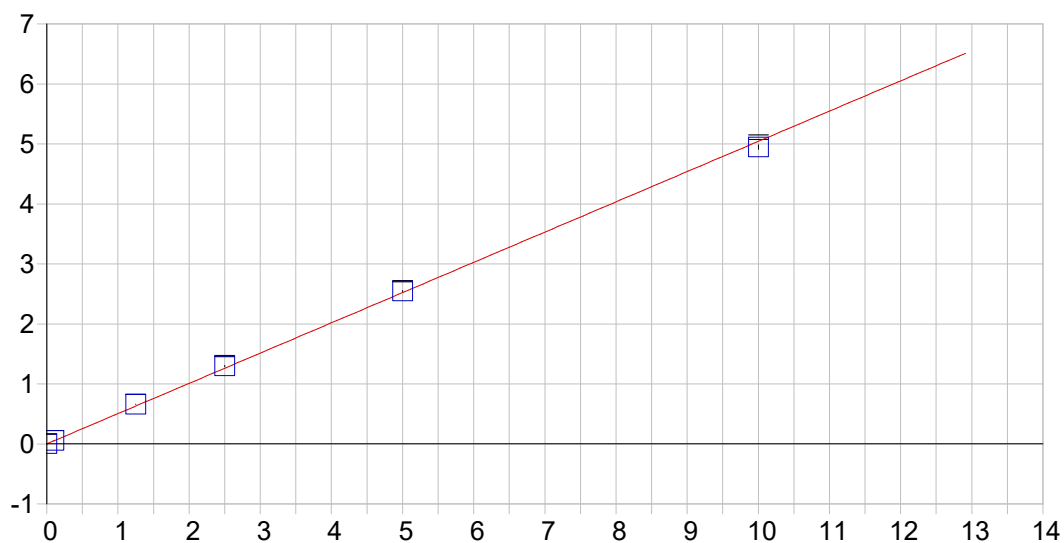


Sn 189.989 {478}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000118 Re-Slope: 1.000000
 A1 (Gain): 0.075102 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999979 Status: OK.
 Std Error of Est: 0.000007
 Predicted MDL: 0.002595
 Predicted MQL: 0.008649

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00012	.000	1
S1	.00700	.00482	-.002	-31.2	.00046	.000	1
S2	1.2500	1.2427	-.007	-.580	.09319	.000	1
S3	2.5000	2.5056	.006	.223	.18778	.000	1
S4	5.0000	4.9905	-.009	-.189	.37389	.001	1
S5	10.000	10.013	.013	.133	.75009	.003	1

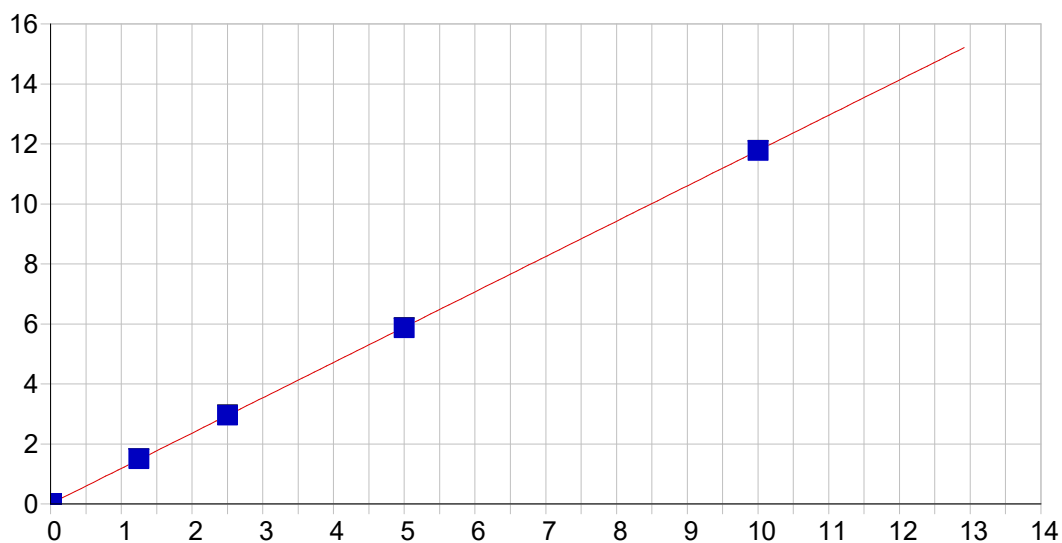


Ti 336.121 {100}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000707 Re-Slope: 1.000000
 A1 (Gain): 0.504200 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999740 Status: OK.
 Std Error of Est: 0.000611
 Predicted MDL: 0.001201
 Predicted MQL: 0.004003

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00070	.001	1
S1	.10000	.10927	.009	9.27	.05580	.000	1
S2	1.2500	1.3097	.060	4.78	.66108	.003	1
S3	2.5000	2.5728	.073	2.91	1.2979	.012	1
S4	5.0000	5.0463	.046	.925	2.5450	.010	1
S5	10.000	9.8120	-.188	-1.88	4.9479	.039	1



Li 670.784 { 50}

Date of Fit: 10/27/2021 12:52:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004636 Re-Slope: 1.000000
 A1 (Gain): 1.177303 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999989 Status: OK.
 Std Error of Est: 0.000113
 Predicted MDL: 0.001383
 Predicted MQL: 0.004610

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00464	.001	1
S5	10.000	9.9989	-.001	-.011	11.764	.012	1
S4	5.0000	4.9773	-.023	-.455	5.8580	.013	1
S3	2.5000	2.5044	.004	.178	2.9499	.011	1
S2	1.2500	1.2693	.019	1.54	1.4974	.004	1
S1	.01500	.01514	.000	.909	.02236	.001	1







Y 224.306 {150}*

Date of Fit:	<not fit>
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Type of Fit: Linear

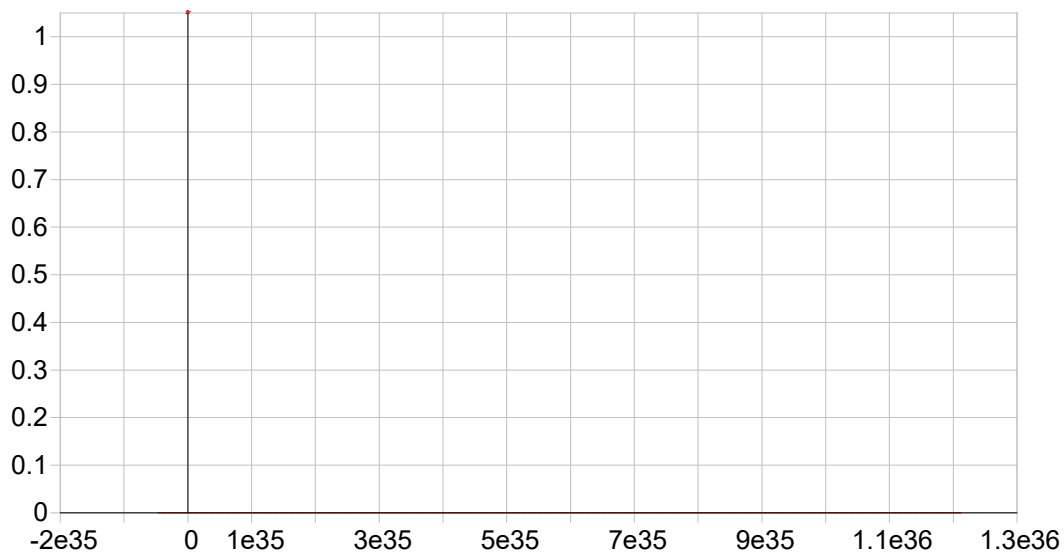
Weighting: 1/Conc

A0 (Offset):	0.000000
A1 (Gain):	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

Re-Slope: 1.000000
Y-int: 0.000000

Status: Warning Zero Gain

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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In 230.606 {446}*

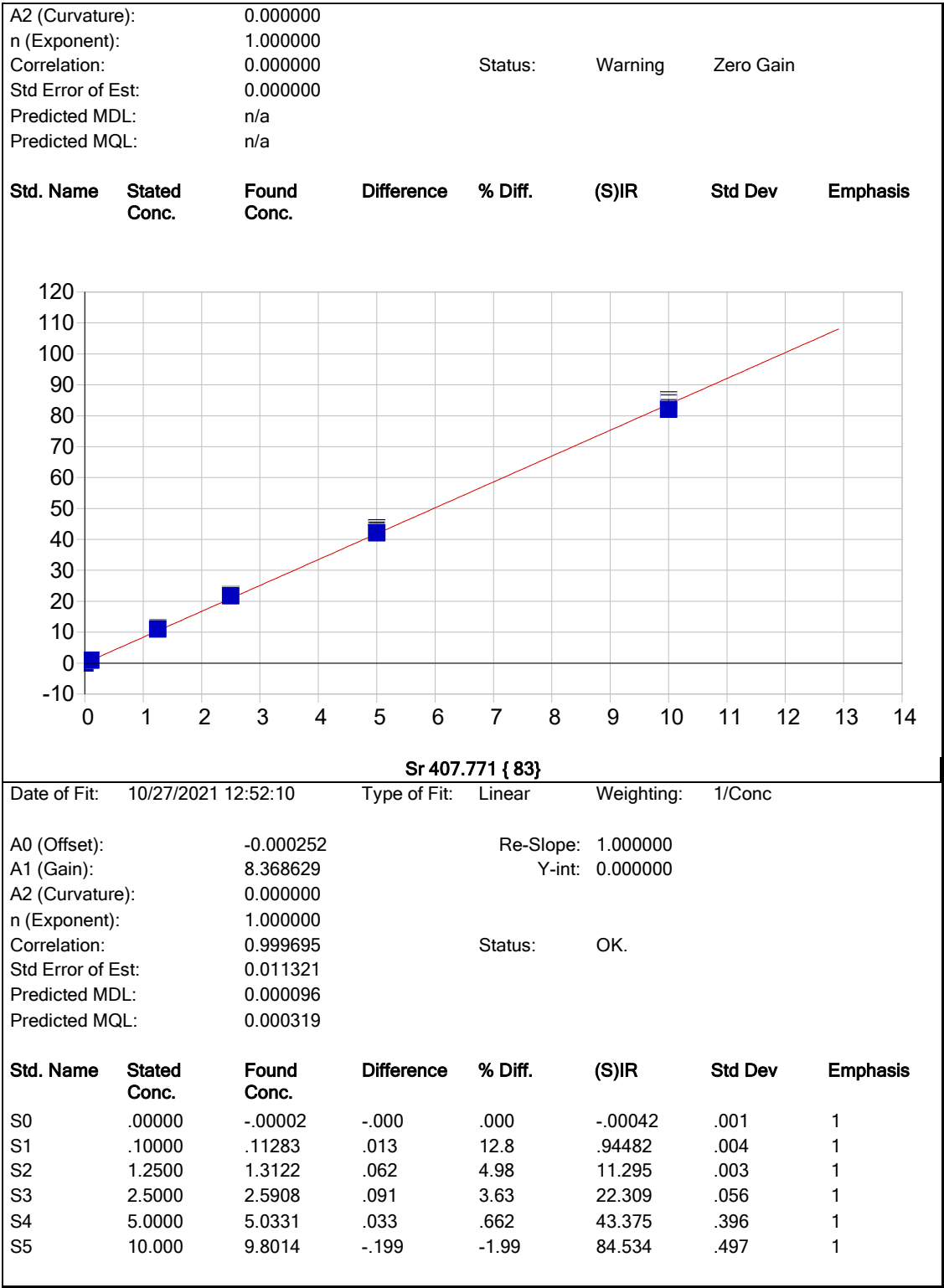
Date of Fit:	<not fit>
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Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset):	0.000000
A1 (Gain):	0.000000

Re-Slope: 1.000000
Y-int: 0.000000



Sample Name: S0 Acquired: 10/27/2021 11:48:07 Type: Cal
 Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	-.00111	.00061	.00032	.00068	-.00002	-.00887	-.00119
Stddev	.00007	.00005	.00010	.00018	.00012	.00016	.00253	.00037
%RSD	19.036	4.7803	17.032	55.986	16.986	754.04	28.490	30.956

#1	-.00032	-.00108	.00070	.00050	.00081	.00013	-.00935	-.00115
#2	-.00032	-.00117	.00050	.00032	.00059	-.00001	-.00613	-.00085
#3	-.00043	-.00108	.00063	.00014	.00065	-.00019	-.01111	-.00158

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	.00053	.00123	.00005	.00003	.00139	-.00003	.00022	-.00024
Stddev	.00023	.00049	.00004	.00011	.00041	.00033	.00008	.00022
%RSD	43.348	39.309	77.833	402.91	29.550	1254.4	38.683	91.178

#1	.00027	.00134	.00005	.00009	.00095	.00034	.00024	-.00015
#2	.00061	.00071	.00009	-.00010	.00146	-.00030	.00028	-.00049
#3	.00071	.00166	.00001	.00009	.00176	-.00012	.00012	-.00008

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	-.00157	-.00063	-.00014	-.00000	-.00034	.01256	-.00093	.00146
Stddev	.00019	.00015	.00119	.00018	.00132	.00131	.00004	.00040
%RSD	12.278	23.238	824.08	3716.3	387.62	10.448	4.5059	27.249

#1	-.00157	-.00078	-.00068	.00008	-.00132	.01403	-.00089	.00100
#2	-.00176	-.00061	.00122	-.00022	.00116	.01211	-.00097	.00174
#3	-.00137	-.00049	-.00096	.00012	-.00086	.01153	-.00094	.00164

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	.00064	.00007	.00234	.00012	.00070	.00464	-.00042	
Stddev	.00009	.00016	.00052	.00008	.00080	.00073	.00058	
%RSD	14.342	238.30	22.092	68.622	114.18	15.771	136.87	

#1	.00067	.00010	.00174	.00021	.00162	.00427	-.00092	
#2	.00054	.00021	.00263	.00005	.00018	.00416	.00021	
#3	.00071	-.00011	.00265	.00009	.00030	.00548	-.00055	

Sample Name: S0 Acquired: 10/27/2021 11:48:07 Type: Cal
Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	1335.4	36218.	5880.7	926.93	1758.1
Stddev	4.5	106.	22.3	2.79	2.7
%RSD	.34023	.29340	.37837	.30051	.15356
#1	1331.1	36339.	5855.3	925.06	1756.8
#2	1340.2	36137.	5890.2	925.59	1761.2
#3	1335.0	36179.	5896.6	930.13	1756.3

Sample Name: S1 Acquired: 10/27/2021 11:52:15 Type: Cal
Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	.00025	.00036	.00239	.00201	.00938	.02282	.75513	.01492
Stddev	.00010	.00024	.00044	.00003	.00037	.00030	.00319	.00042
%RSD	38.220	68.305	18.413	1.3860	3.9291	1.2985	.42303	2.8436
#1	.00016	.00010	.00188	.00198	.00977	.02256	.75830	.01444
#2	.00025	.00058	.00264	.00202	.00933	.02277	.75191	.01525
#3	.00035	.00039	.00264	.00203	.00904	.02315	.75519	.01506
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	.00982	.32723	.00141	.03187	.00748	.00242	.00906	.04170
Stddev	.00048	.00065	.00010	.00026	.00046	.00024	.00004	.00026
%RSD	4.8890	.19924	7.3345	.81332	6.1256	10.077	.40474	.61282
#1	.01023	.32730	.00129	.03169	.00790	.00247	.00909	.04198
#2	.00929	.32784	.00147	.03174	.00699	.00263	.00906	.04163
#3	.00995	.32654	.00146	.03216	.00753	.00215	.00902	.04149
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	.02280	.00251	.02829	.00653	.01745	.14886	-.00059	.03221
Stddev	.00030	.00005	.00067	.00029	.00079	.00084	.00017	.00032
%RSD	1.2942	1.9437	2.3513	4.4155	4.5405	.56133	28.289	.98862
#1	.02287	.00248	.02876	.00626	.01701	.14804	-.00040	.03195
#2	.02305	.00257	.02859	.00684	.01836	.14884	-.00072	.03256
#3	.02247	.00249	.02753	.00650	.01697	.14971	-.00064	.03211
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	.00470	.00193	.03244	.00046	.05580	.02236	.94482	
Stddev	.00012	.00010	.00020	.00009	.00040	.00074	.00435	
%RSD	2.5888	5.1625	.62554	20.496	.72118	3.2887	.45988	
#1	.00456	.00193	.03264	.00047	.05537	.02189	.94110	
#2	.00478	.00182	.03223	.00055	.05588	.02321	.94376	
#3	.00475	.00202	.03243	.00036	.05616	.02199	.94959	

Sample Name: S1 Acquired: 10/27/2021 11:52:15 Type: Cal
Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	1331.8	36570.	5859.6	940.55	1772.9
Stddev	2.7	135.	18.1	4.59	2.3
%RSD	.20538	.36927	.30943	.48845	.12798
#1	1334.5	36440.	5879.4	937.68	1774.9
#2	1329.0	36709.	5855.5	938.12	1770.5
#3	1332.0	36559.	5843.9	945.85	1773.4

Sample Name: S2 Acquired: 10/27/2021 11:56:23 Type: Cal
Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	.04061	.06483	1.1945	.05006	.17748	4.1317	9.9118	.39381
Stddev	.00034	.00004	.0020	.00026	.00025	.0061	.0173	.00339
%RSD	.84277	.06888	.17082	.52643	.14006	.14740	.17467	.85990

#1	.04032	.06478	1.1955	.05036	.17773	4.1289	9.8950	.39760
#2	.04099	.06487	1.1958	.04987	.17747	4.1387	9.9109	.39108
#3	.04053	.06483	1.1921	.04995	.17724	4.1275	9.9296	.39275

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	1.1362	3.9425	.52545	.39137	.93175	.83170	2.1126	.51609
Stddev	.0026	.0172	.00063	.00008	.00321	.00100	.0079	.00121
%RSD	.23121	.43603	.12010	.02076	.34478	.12011	.37464	.23467

#1	1.1372	3.9357	.52571	.39146	.93007	.83062	2.1098	.51749
#2	1.1332	3.9298	.52473	.39130	.93545	.83191	2.1064	.51540
#3	1.1382	3.9621	.52590	.39134	.92972	.83258	2.1215	.51539

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	.36688	.09498	.21705	.07509	1.1858	1.0419	.04110	.35324
Stddev	.00111	.00033	.00269	.00013	.0084	.0014	.00047	.00163
%RSD	.30198	.34309	1.2379	.17739	.70606	.12970	1.1524	.46257

#1	.36662	.09520	.22006	.07496	1.1824	1.0432	.04076	.35506
#2	.36593	.09514	.21491	.07511	1.1954	1.0421	.04090	.35189
#3	.36810	.09461	.21617	.07522	1.1798	1.0405	.04164	.35276

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	.51333	.02440	.39118	.09319	.66108	1.4974	11.295
Stddev	.00066	.00013	.00279	.00026	.00309	.0037	.003
%RSD	.12819	.52835	.71330	.28405	.46677	.24578	.02926

#1	.51300	.02432	.39341	.09350	.66074	1.4970	11.294
#2	.51291	.02455	.38805	.09307	.65818	1.4939	11.293
#3	.51409	.02434	.39208	.09302	.66432	1.5012	11.299

Sample Name: S2 Acquired: 10/27/2021 11:56:23 Type: Cal
 Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	1272.0	35321.	5771.5	889.16	1672.8
Stddev	.6	59.	31.8	4.56	2.9
%RSD	.04536	.16808	.55157	.51298	.17427
#1	1271.8	35270.	5738.1	887.29	1670.0
#2	1272.7	35306.	5801.4	885.84	1675.8
#3	1271.6	35386.	5775.0	894.36	1672.6

Sample Name: S3 Acquired: 10/27/2021 12:00:16 Type: Cal
 Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	.08065	.12872	2.3948	.09861	.35084	8.2054	19.685	.76909
Stddev	.00044	.00036	.0053	.00078	.00109	.0551	.036	.00255
%RSD	.54171	.27892	.22138	.78792	.31103	.67097	.18406	.33151

#1	.08065	.12894	2.3891	.09891	.35205	8.2129	19.643	.77166
#2	.08022	.12831	2.3955	.09773	.34995	8.1469	19.707	.76905
#3	.08109	.12892	2.3996	.09920	.35051	8.2563	19.705	.76657

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	2.2422	7.7687	1.0181	.78147	1.8281	1.6253	4.1330	1.0279
Stddev	.0024	.0162	.0007	.00019	.0017	.0086	.0098	.0043
%RSD	.10614	.20795	.07304	.02484	.09211	.53104	.23738	.41614

#1	2.2409	7.7531	1.0173	.78125	1.8264	1.6210	4.1320	1.0273
#2	2.2407	7.7853	1.0184	.78158	1.8281	1.6353	4.1432	1.0325
#3	2.2449	7.7677	1.0186	.78159	1.8298	1.6197	4.1237	1.0240

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	.72910	.18959	.42614	.14621	2.3203	2.0515	.08446	.70421
Stddev	.00025	.00086	.00355	.00101	.0190	.0103	.00110	.00072
%RSD	.03430	.45125	.83224	.68832	.81705	.50119	1.3067	.10275

#1	.72916	.19058	.42624	.14704	2.3406	2.0580	.08420	.70349
#2	.72882	.18913	.42255	.14509	2.3030	2.0396	.08350	.70421
#3	.72931	.18906	.42964	.14650	2.3174	2.0568	.08567	.70494

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	1.0112	.05012	.77365	.18778	1.2979	2.9499	22.309
Stddev	.0034	.00019	.00365	.00021	.0118	.0107	.056
%RSD	.33894	.37258	.47116	.10940	.90610	.36234	.24938

#1	1.0146	.05013	.77627	.18801	1.2974	2.9425	22.349
#2	1.0077	.04992	.76948	.18763	1.2864	2.9451	22.245
#3	1.0112	.05029	.77518	.18769	1.3099	2.9622	22.333

Sample Name: S3 Acquired: 10/27/2021 12:00:16 Type: Cal
 Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	1238.5	35106.	5717.8	874.77	1599.5
Stddev	4.9	204.	25.9	6.54	2.3
%RSD	.39562	.58048	.45288	.74779	.14677
#1	1233.0	34875.	5696.1	867.62	1597.1
#2	1242.4	35184.	5746.5	876.22	1601.8
#3	1240.0	35260.	5710.9	880.46	1599.7

Sample Name: S4 Acquired: 10/27/2021 12:04:11 Type: Cal
Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	.16032	.25089	4.7306	.18768	.68993	16.325	38.712	1.4899
Stddev	.00126	.00173	.0018	.00113	.00041	.010	.048	.0092
%RSD	.78688	.69127	.03750	.60036	.05915	.06377	.12446	.61782

#1	.16058	.25254	4.7314	.18891	.68968	16.337	38.764	1.4960
#2	.15895	.24908	4.7285	.18671	.68970	16.317	38.668	1.4793
#3	.16143	.25106	4.7318	.18742	.69040	16.321	38.705	1.4943

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	4.3889	15.223	1.9531	1.5493	3.5802	3.1234	7.9512	2.0285
Stddev	.0056	.022	.0017	.0031	.0029	.0053	.0112	.0070
%RSD	.12836	.14606	.08632	.20298	.08144	.17136	.14110	.34384

#1	4.3869	15.200	1.9547	1.5484	3.5827	3.1283	7.9386	2.0345
#2	4.3844	15.225	1.9513	1.5468	3.5770	3.1177	7.9549	2.0209
#3	4.3952	15.244	1.9531	1.5528	3.5810	3.1242	7.9602	2.0300

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	1.4346	.37558	.84727	.28678	4.6909	4.0606	.17150	1.3875
Stddev	.0046	.00081	.00247	.00050	.0265	.0036	.00174	.0085
%RSD	.31865	.21458	.29190	.17416	.56425	.08813	1.0175	.61459

#1	1.4335	.37639	.84443	.28626	4.6626	4.0627	.17351	1.3959
#2	1.4307	.37477	.84843	.28726	4.7150	4.0626	.17062	1.3788
#3	1.4396	.37558	.84896	.28683	4.6951	4.0565	.17038	1.3878

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	1.9999	.10142	1.4989	.37389	2.5450	5.8580	43.375
Stddev	.0025	.00079	.0070	.00090	.0102	.0127	.396
%RSD	.12470	.78334	.47053	.24049	.40009	.21760	.91184

#1	2.0015	.10232	1.5051	.37485	2.5333	5.8435	43.204
#2	1.9971	.10083	1.4912	.37306	2.5511	5.8674	43.094
#3	2.0012	.10110	1.5004	.37377	2.5508	5.8631	43.828

Sample Name: S4 Acquired: 10/27/2021 12:04:11 Type: Cal
Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	1180.6	34344.	5613.0	829.78	1503.2
Stddev	.8	7.	8.6	.49	1.0
%RSD	.06416	.01993	.15405	.05944	.06737
#1	1181.5	34352.	5606.9	830.02	1503.0
#2	1180.3	34340.	5622.9	830.11	1504.3
#3	1180.1	34339.	5609.1	829.21	1502.3

Sample Name: S5 Acquired: 10/27/2021 12:08:11 Type: Cal
Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	.32692	.48928	9.4761	.36141	1.3895	32.631	76.310	2.8520
Stddev	.00010	.00213	.0221	.00190	.0017	.151	.924	.0366
%RSD	.02953	.43488	.23283	.52516	.11845	.46369	1.2104	1.2845

#1	.32692	.48794	9.4589	.36361	1.3914	32.480	75.591	2.8255
#2	.32701	.48817	9.4684	.36035	1.3881	32.629	77.352	2.8938
#3	.32682	.49173	9.5010	.36029	1.3891	32.782	75.987	2.8367

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	8.6600	29.954	3.7643	3.1016	7.0698	6.0971	15.510	4.0696
Stddev	.0311	.033	.0033	.0056	.0173	.0214	.002	.0115
%RSD	.35906	.11121	.08761	.17920	.24477	.35168	.01108	.28295

#1	8.6287	29.992	3.7678	3.0978	7.0510	6.1208	15.512	4.0828
#2	8.6606	29.932	3.7636	3.0991	7.0732	6.0791	15.510	4.0618
#3	8.6909	29.937	3.7613	3.1080	7.0851	6.0913	15.509	4.0641

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	2.8568	.75985	1.6742	.55692	9.5603	8.0877	.35016	2.6919
Stddev	.0067	.00357	.0113	.00513	.0490	.0277	.00089	.0357
%RSD	.23410	.47010	.67433	.92074	.51227	.34218	.25443	1.3258

#1	2.8504	.75984	1.6620	.55126	9.5973	8.0558	.34913	2.6640
#2	2.8563	.76342	1.6763	.55824	9.5787	8.1017	.35063	2.7321
#3	2.8638	.75628	1.6842	.56125	9.5047	8.1056	.35070	2.6796

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	4.0126	.20899	2.8719	.75009	4.9479	11.764	84.534
Stddev	.0024	.00120	.0393	.00314	.0386	.012	.497
%RSD	.06109	.57245	1.3676	.41846	.77996	.10608	.58765

#1	4.0101	.20794	2.8428	.74662	4.9034	11.761	83.961
#2	4.0128	.21029	2.9166	.75092	4.9686	11.753	84.815
#3	4.0150	.20875	2.8564	.75273	4.9717	11.777	84.827

Sample Name: S5 Acquired: 10/27/2021 12:08:11 Type: Cal
Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	1092.9	33181.	5547.4	771.37	1377.1
Stddev	.7	75.	37.1	7.55	2.3
%RSD	.06688	.22527	.66798	.97825	.16922
#1	1092.3	33113.	5586.1	764.43	1379.4
#2	1092.7	33261.	5512.2	770.27	1377.1
#3	1093.7	33169.	5544.0	779.40	1374.7

Sample Name: S6 Acquired: 10/27/2021 12:12:18 Type: Cal
 Method: MSFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL(v15) 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	89.395	48.299	16.284	6.7627	4.6104
Stddev	.491	.086	.037	.0076	.0017
%RSD	.54903	.17773	.22662	.11245	.03651

#1	89.480	48.218	16.322	6.7708	4.6118
#2	89.837	48.389	16.248	6.7556	4.6086
#3	88.867	48.289	16.281	6.7617	4.6110

Int. Std.	Y_3710
Units	Cts/S
Avg	5446.5
Stddev	8.2
%RSD	.15012

#1	5437.1
#2	5450.9
#3	5451.5