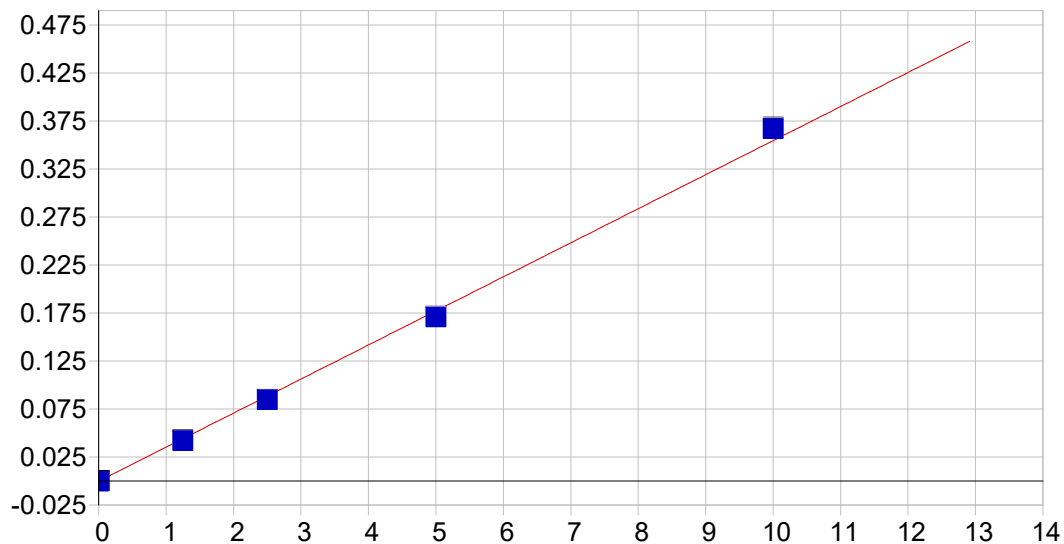


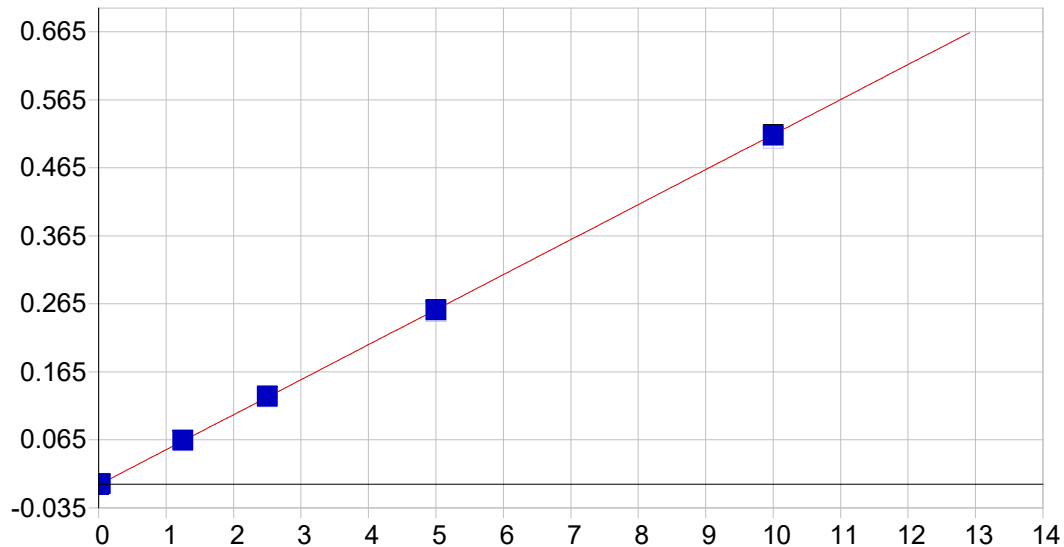


As 189.042 {479}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000248 Re-Slope: 1.000000
 A1 (Gain): 0.035481 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999302 Status: OK.
 Std Error of Est: 0.000022
 Predicted MDL: 0.006726
 Predicted MQL: 0.022420

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00025	.000	1
S1	.01000	.01116	.001	11.6	.00015	.000	1
S2	1.2500	1.1901	-.060	-4.79	.04212	.001	1
S3	2.5000	2.3933	-.107	-4.27	.08495	.000	1
S4	5.0000	4.8171	-.183	-3.66	.17124	.000	1
S5	10.000	10.348	.348	3.48	.36807	.001	1

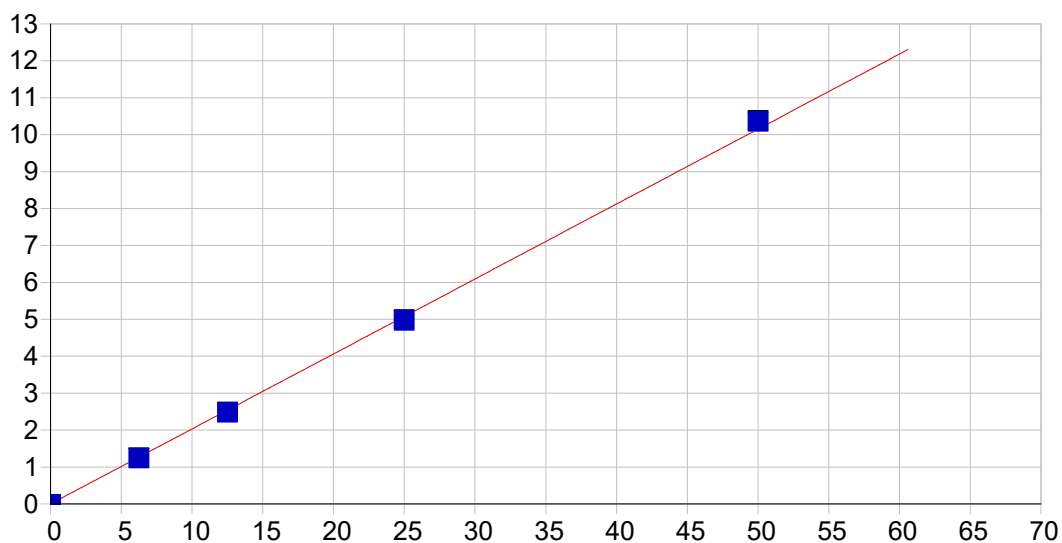


TI 190.856 {477}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000955 Re-Slope: 1.000000
 A1 (Gain): 0.051489 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999983 Status: OK.
 Std Error of Est: 0.000008
 Predicted MDL: 0.004749
 Predicted MQL: 0.015831

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00096	.000	1
S1	.02500	.02704	.002	8.14	.00038	.000	1
S2	1.2500	1.2639	.014	1.11	.06353	.001	1
S3	2.5000	2.5224	.022	.895	.12775	.001	1
S4	5.0000	4.9843	-.016	-.315	.25333	.001	1
S5	10.000	9.9775	-.022	-.225	.50809	.001	1

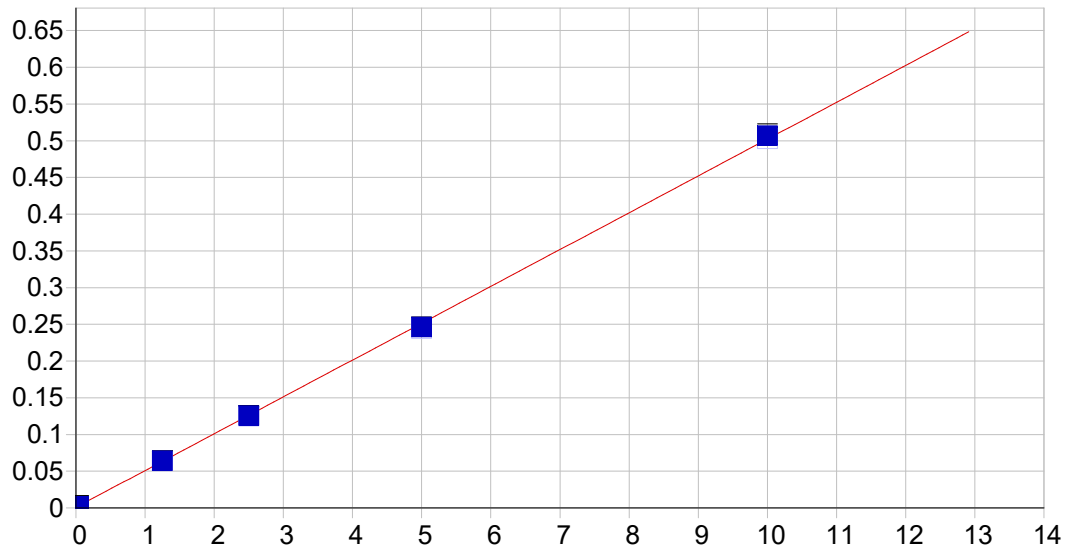


Pb 220.353 {453}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000876 Re-Slope: 1.000000
 A1 (Gain): 0.203031 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999770 Status: OK.
 Std Error of Est: 0.000163
 Predicted MDL: 0.002530
 Predicted MQL: 0.008433

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00088	.001	1
S1	.01000	.01171	.002	17.1	.00326	.000	1
S2	6.2500	6.0822	-.168	-2.68	1.2365	.008	1
S3	12.500	12.194	-.306	-2.45	2.4780	.006	1
S4	25.000	24.475	-.525	-2.10	4.9730	.015	1
S5	50.000	50.997	.997	1.99	10.361	.018	1

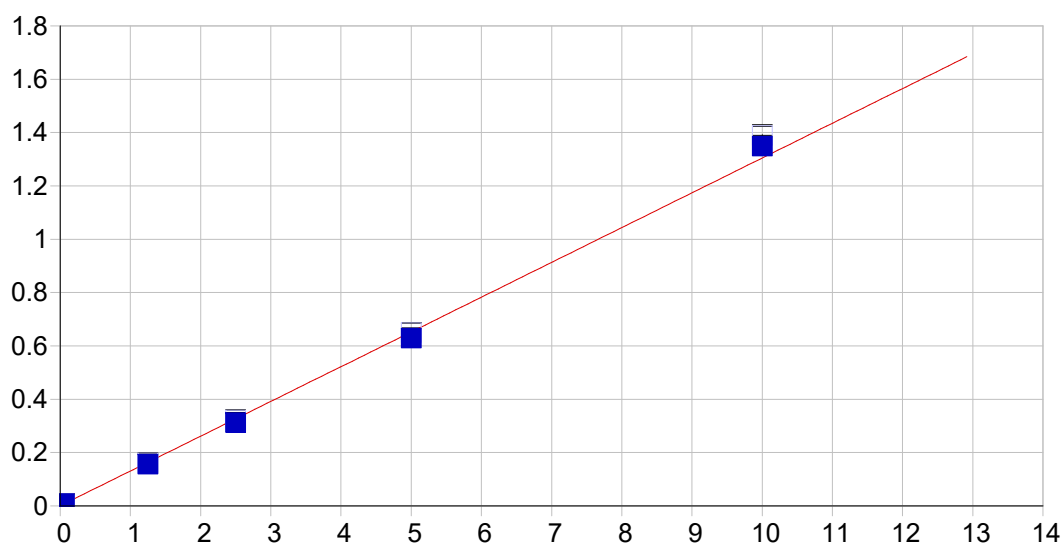


Se 196.090 {472}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000754 Re-Slope: 1.000000
 A1 (Gain): 0.050144 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999905 Status: OK.
 Std Error of Est: 0.000022
 Predicted MDL: 0.005837
 Predicted MQL: 0.019458

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00075	.000	1
S1	.03500	.03774	.003	7.82	.00264	.000	1
S2	1.2500	1.2644	.014	1.15	.06357	.000	1
S3	2.5000	2.4913	-.009	-.347	.12451	.000	1
S4	5.0000	4.8955	-.105	-2.09	.24389	.000	1
S5	10.000	10.096	.096	.961	.50232	.002	1

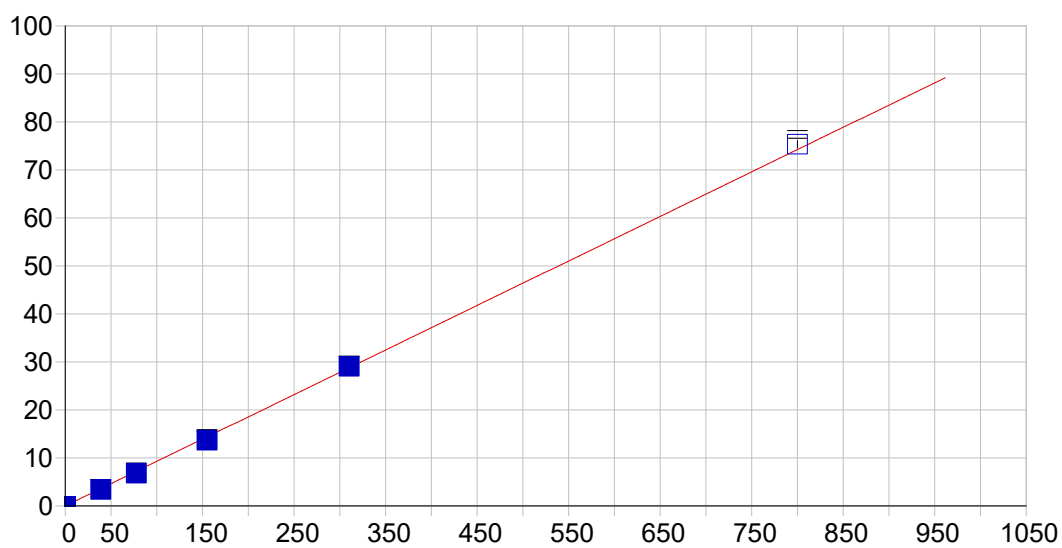


Sb 206.833 {463}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000581 Re-Slope: 1.000000
 A1 (Gain): 0.130386 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999366 Status: OK.
 Std Error of Est: 0.000197
 Predicted MDL: 0.002851
 Predicted MQL: 0.009503

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00058	.000	1
S1	.06000	.06085	.001	1.41	.00851	.000	1
S2	1.2500	1.1943	-.056	-4.46	.16128	.001	1
S3	2.5000	2.3902	-.110	-4.39	.32218	.001	1
S4	5.0000	4.8223	-.178	-3.55	.64924	.001	1
S5	10.000	10.342	.342	3.42	1.3889	.003	1

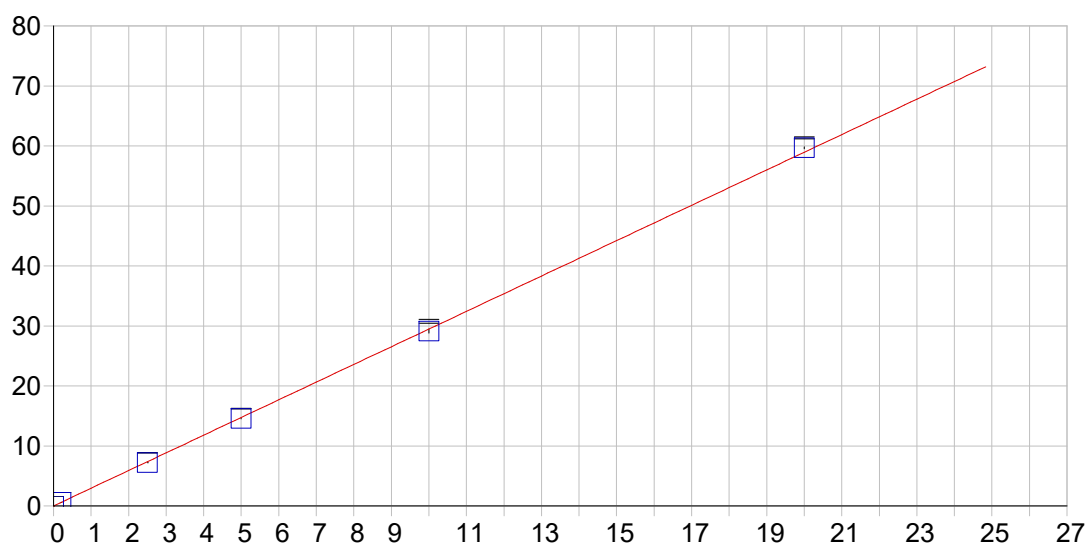


AI 396.152 { 85}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001866 Re-Slope: 1.000000
A1 (Gain): 0.092782 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999641 Status: OK.
Std Error of Est: 0.001546
Predicted MDL: 0.011647
Predicted MQL: 0.038823

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00187	.001	1
S1	.20000	.20607	.006	3.04	.02102	.001	1
S2	38.750	36.324	-2.43	-6.26	3.3758	.008	1
S3	77.500	73.355	-4.15	-5.35	6.8154	.015	1
S4	155.00	146.93	-8.07	-5.21	13.649	.169	1
S5	310.00	313.01	3.01	.971	29.074	.037	1
S6	800.00	811.64	11.6	1.45	75.307	.797	1

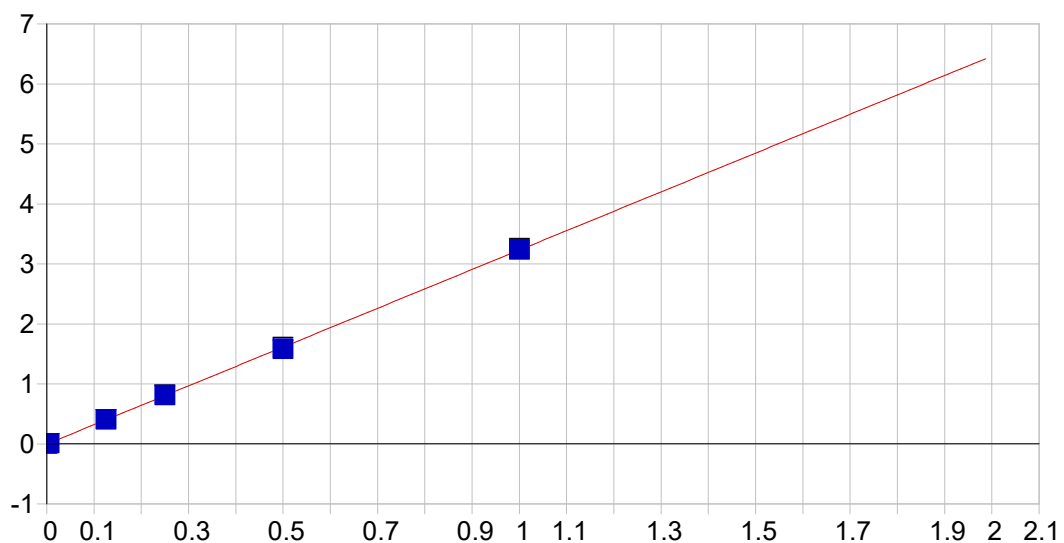


Ba 493.409 { 68}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003546 Re-Slope: 1.000000
 A1 (Gain): 2.947084 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999912 Status: OK.
 Std Error of Est: 0.004162
 Predicted MDL: 0.001000
 Predicted MQL: 0.003332

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00357	.002	1
S1	.20000	.20026	.000	.128	.59371	.003	1
S2	2.5000	2.4459	-.054	-2.16	7.2118	.007	1
S3	5.0000	4.9328	-.067	-1.34	14.541	.046	1
S4	10.000	9.8752	-.125	-1.25	29.107	.309	1
S5	20.000	20.246	.246	1.23	59.670	.160	1

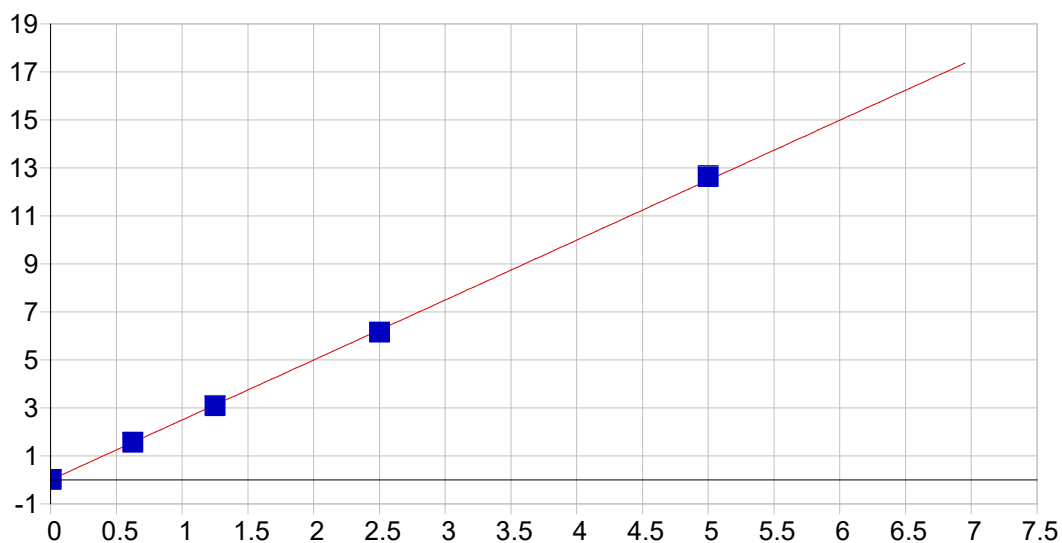


Be 234.861 {144}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.002601	Re-Slope:	1.000000
A1 (Gain):	3.233006	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999944	Status:	OK.
Std Error of Est:	0.000128		
Predicted MDL:	0.000120		
Predicted MQL:	0.000401		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00260	.001	1
S1	.00500	.00529	.000	5.80	.01449	.000	1
S2	.12500	.12676	.002	1.40	.40616	.002	1
S3	.25000	.25253	.003	1.01	.81175	.007	1
S4	.50000	.49197	-.008	-1.61	1.5838	.026	1
S5	1.0000	1.0035	.003	.346	3.2332	.018	1

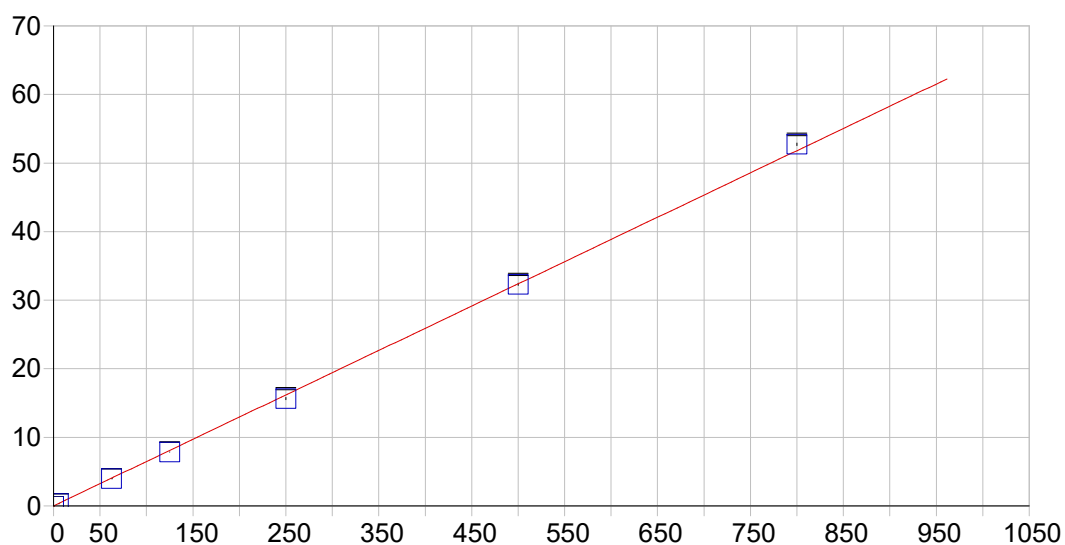


Cd 214.438 {457}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000108	Re-Slope:	1.000000
A1 (Gain):	2.497924	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999921	Status:	OK.
Std Error of Est:	0.000264		
Predicted MDL:	0.000144		
Predicted MQL:	0.000479		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00011	.000	1
S1	.00500	.00530	.000	5.97	.01335	.000	1
S2	.62500	.62387	-.001	-.180	1.5616	.008	1
S3	1.2500	1.2355	-.015	-1.16	3.0925	.009	1
S4	2.5000	2.4590	-.041	-1.64	6.1549	.008	1
S5	5.0000	5.0563	.056	1.13	12.655	.021	1

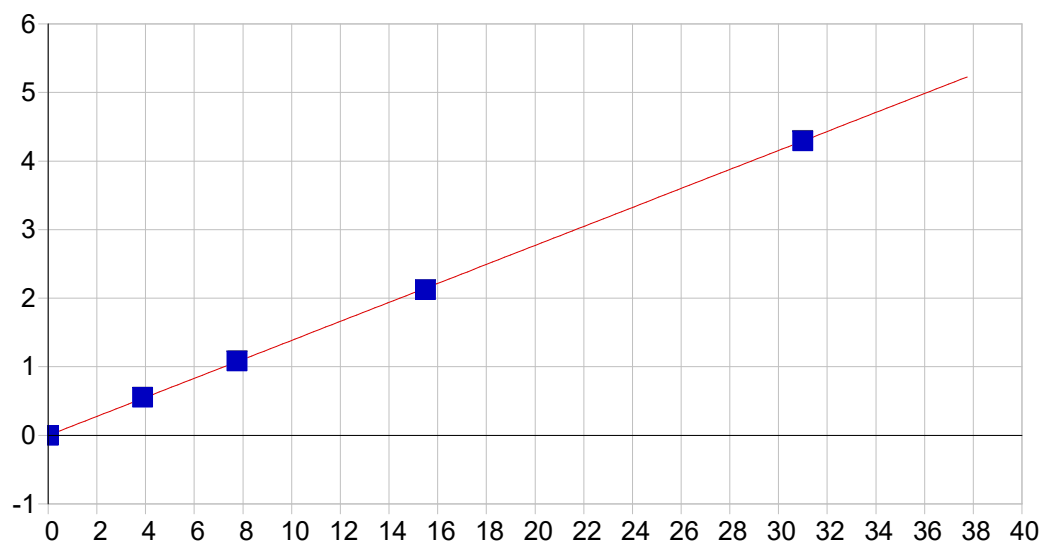


Ca 373.690 { 90}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002045 Re-Slope: 1.000000
 A1 (Gain): 0.064758 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999799 Status: OK.
 Std Error of Est: 0.004533
 Predicted MDL: 0.015930
 Predicted MQL: 0.053100

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00007	.000	.000	.00205	.001	1
S1	5.0000	5.2800	.280	5.60	.34397	.001	1
S2	62.500	61.098	-1.40	-2.24	3.9586	.014	1
S3	125.00	121.24	-3.76	-3.01	7.8531	.016	1
S4	250.00	241.63	-8.37	-3.35	15.650	.178	1
S5	500.00	498.89	-1.11	-.221	32.309	.173	1
S6	800.00	814.36	14.4	1.80	52.739	.181	1

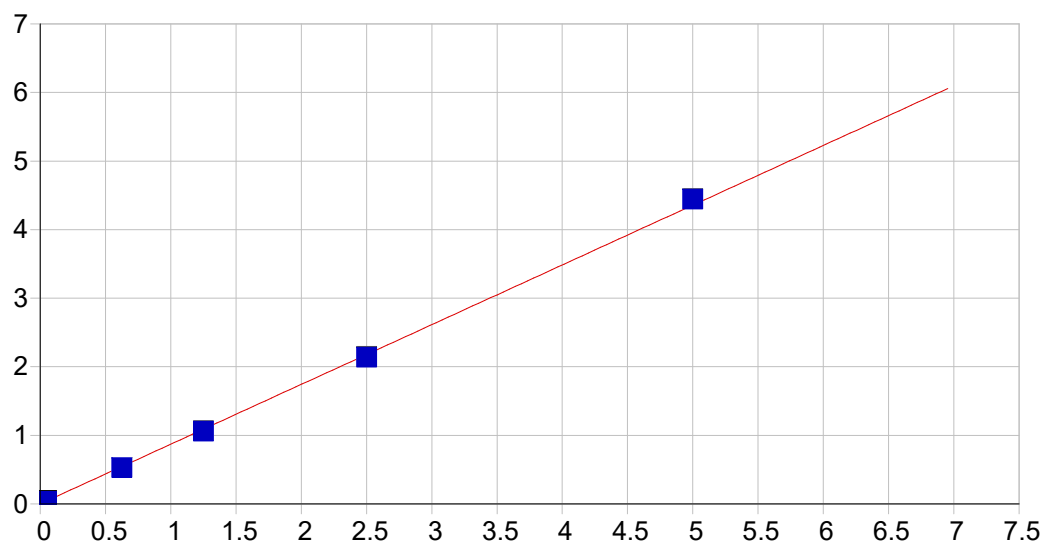


Cr 267.716 {126}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000035 Re-Slope: 1.000000
 A1 (Gain): 0.138480 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999951 Status: OK.
 Std Error of Est: 0.000041
 Predicted MDL: 0.000805
 Predicted MQL: 0.002685

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00004	.000	1
S1	.01000	.01035	.000	3.54	.00140	.000	1
S2	3.8750	3.9844	.109	2.82	.55189	.001	1
S3	7.7500	7.8255	.076	.975	1.0840	.001	1
S4	15.500	15.329	-.171	-1.10	2.1233	.005	1
S5	31.000	30.986	-.014	-.046	4.2921	.008	1

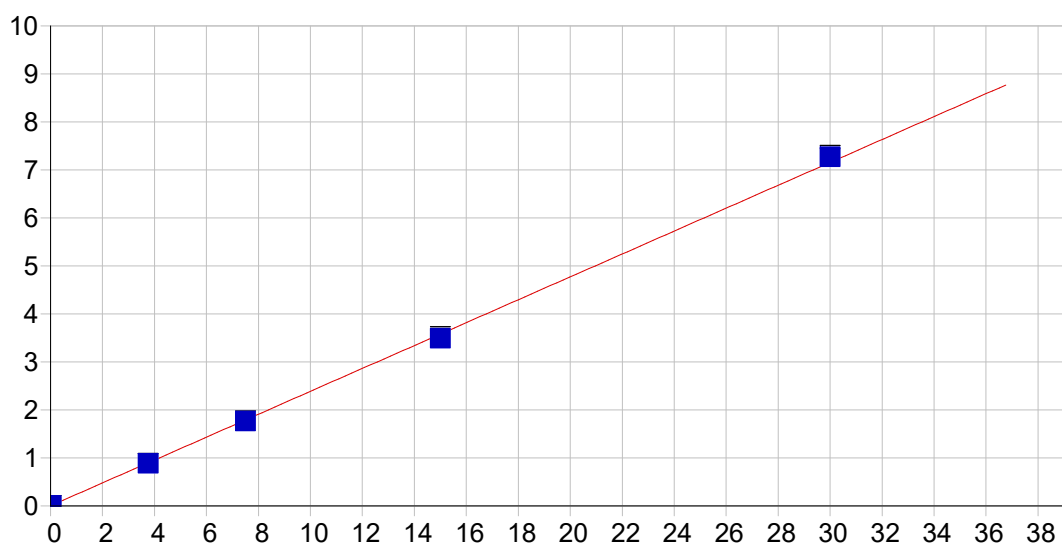


Co 228.616 {448}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000320 Re-Slope: 1.000000
 A1 (Gain): 0.871182 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999771 Status: OK.
 Std Error of Est: 0.000496
 Predicted MDL: 0.000411
 Predicted MQL: 0.001368

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00032	.000	1
S1	.05000	.05012	.000	.247	.04413	.000	1
S2	.62500	.60682	-.018	-2.91	.52979	.003	1
S3	1.2500	1.2144	-.036	-2.85	1.0599	.002	1
S4	2.5000	2.4545	-.045	-1.82	2.1419	.008	1
S5	5.0000	5.0991	.099	1.98	4.4491	.005	1

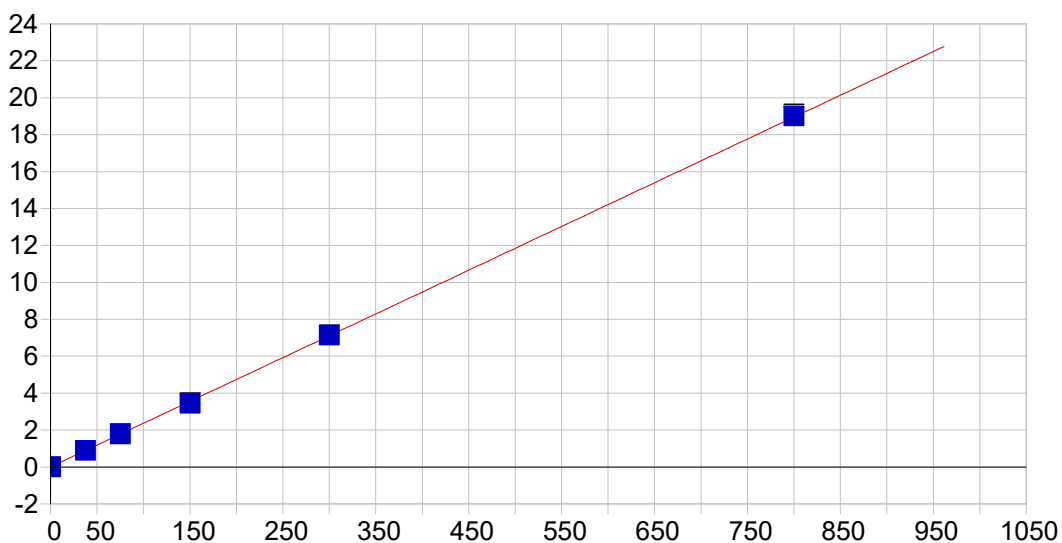


Cu 324.754 {104}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.002010	Re-Slope:	1.000000
A1 (Gain):	0.238489	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999833	Status:	OK.
Std Error of Est:	0.000200		
Predicted MDL:	0.002853		
Predicted MQL:	0.009509		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00201	.000	1
S1	.02500	.02784	.003	11.4	.00864	.000	1
S2	3.7500	3.7063	-.044	-1.17	.88471	.002	1
S3	7.5000	7.4068	-.093	-1.24	1.7660	.006	1
S4	15.000	14.640	-.360	-2.40	3.4887	.036	1
S5	30.000	30.494	.494	1.65	7.2648	.034	1

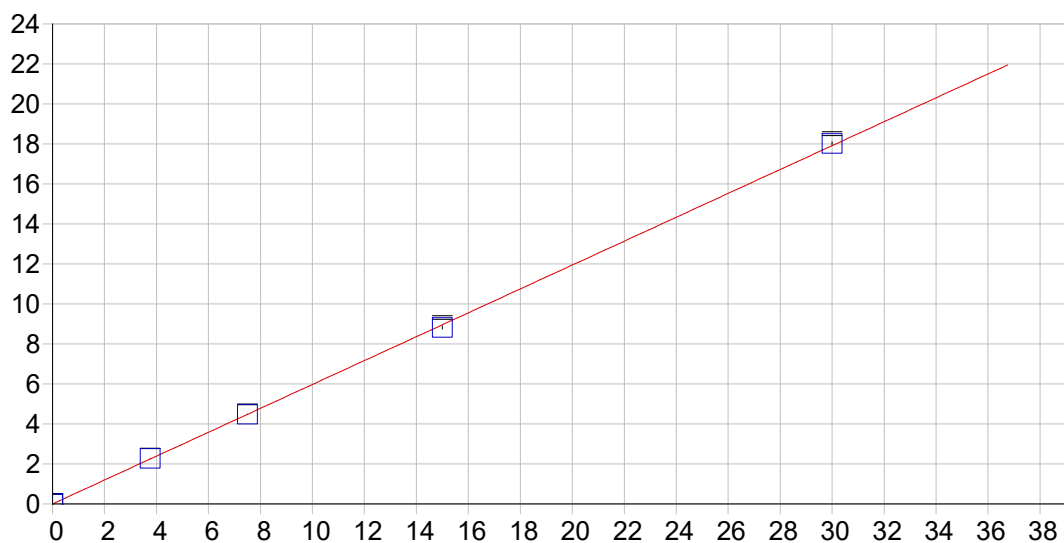


Fe 259.837 {130}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000247 Re-Slope: 1.000000
 A1 (Gain): 0.023688 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999947 Status: OK.
 Std Error of Est: 0.000107
 Predicted MDL: 0.012560
 Predicted MQL: 0.041866

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00025	.000	1
S1	.10000	.10141	.001	1.41	.00266	.000	1
S2	37.500	37.655	.155	.414	.89327	.003	1
S3	75.000	75.232	.232	.310	1.7844	.006	1
S4	150.00	145.62	-4.38	-2.92	3.4538	.042	1
S5	300.00	301.50	1.50	.499	7.1505	.014	1
S6	800.00	802.50	2.50	.312	19.023	.095	1

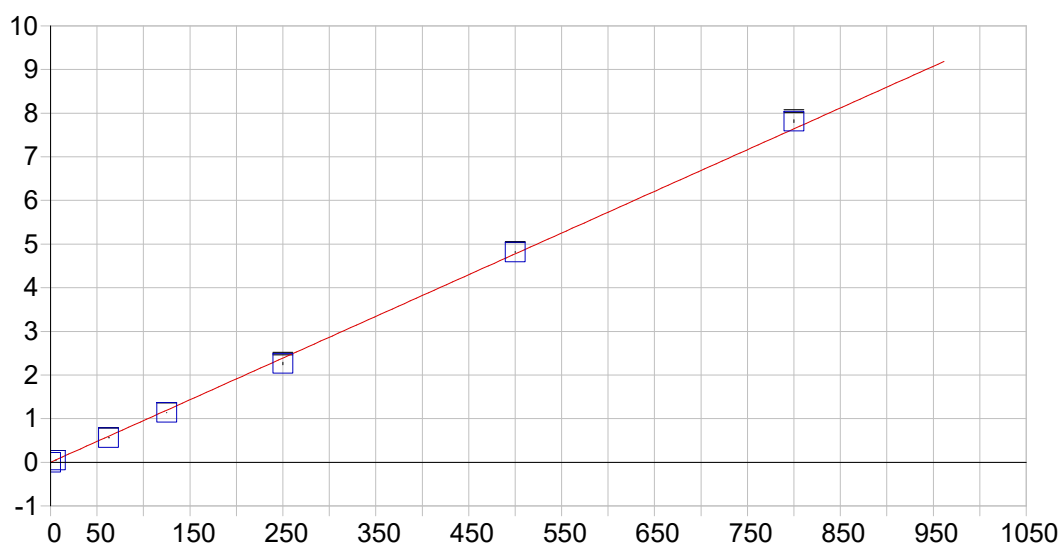


Mn 257.610 {131}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000252 Re-Slope: 1.000000
 A1 (Gain): 0.597144 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999951 Status: OK.
 Std Error of Est: 0.000211
 Predicted MDL: 0.000578
 Predicted MQL: 0.001926

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00025	.000	1
S1	.01500	.01653	.002	10.2	.01012	.000	1
S2	3.7500	3.8075	.057	1.53	2.2739	.010	1
S3	7.5000	7.4964	-.004	-.048	4.4767	.013	1
S4	15.000	14.770	-.230	-1.53	8.8203	.090	1
S5	30.000	30.174	.174	.581	18.019	.095	1

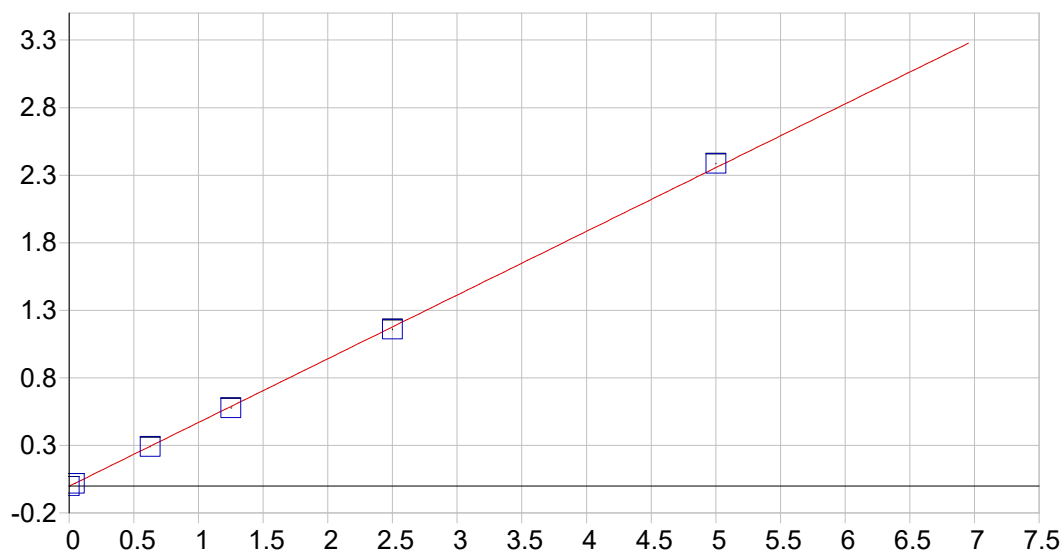


Mg 279.079 {121}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000302 Re-Slope: 1.000000
 A1 (Gain): 0.009552 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999533 Status: OK.
 Std Error of Est: 0.001019
 Predicted MDL: 0.037137
 Predicted MQL: 0.123788

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00077	.001	.000	-.00029	.000	1
S1	5.0000	4.8646	-.135	-2.71	.04617	.000	1
S2	62.500	58.678	-3.82	-6.12	.56021	.002	1
S3	125.00	119.26	-5.74	-4.59	1.1390	.004	1
S4	250.00	237.06	-12.9	-5.18	2.2642	.031	1
S5	500.00	504.25	4.25	.850	4.8165	.011	1
S6	800.00	818.38	18.4	2.30	7.8172	.035	1

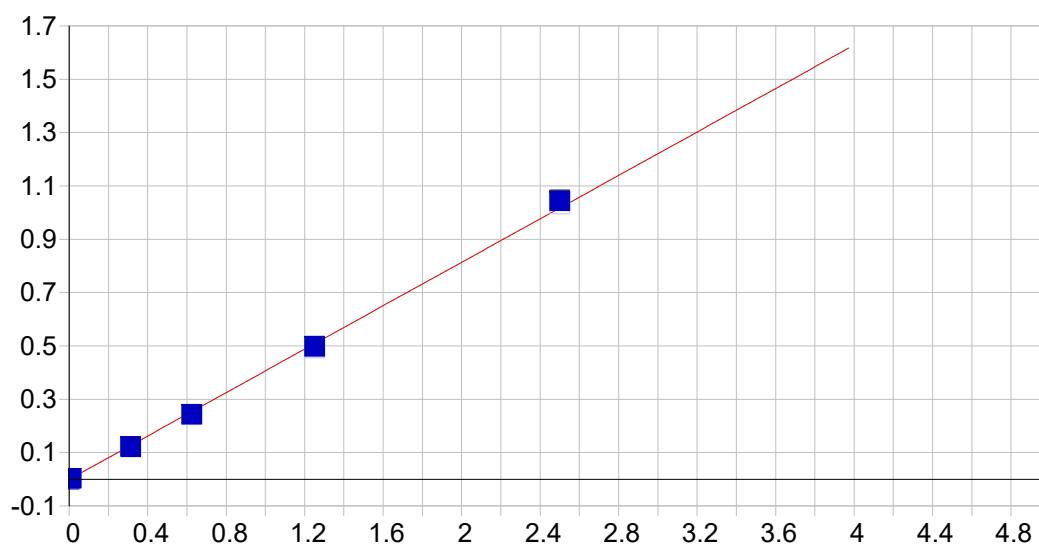


Ni 231.604 {446}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.001946	Re-Slope:	1.000000
A1 (Gain):	0.471531	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999896	Status:	OK.
Std Error of Est:	0.000161		
Predicted MDL:	0.000772		
Predicted MQL:	0.002573		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00195	.000	1
S1	.04000	.04154	.002	3.86	.01764	.000	1
S2	.62500	.61845	-.007	-1.05	.28967	.002	1
S3	1.2500	1.2279	-.022	-1.77	.57705	.001	1
S4	2.5000	2.4618	-.038	-1.53	1.1589	.003	1
S5	5.0000	5.0653	.065	1.31	2.3865	.003	1

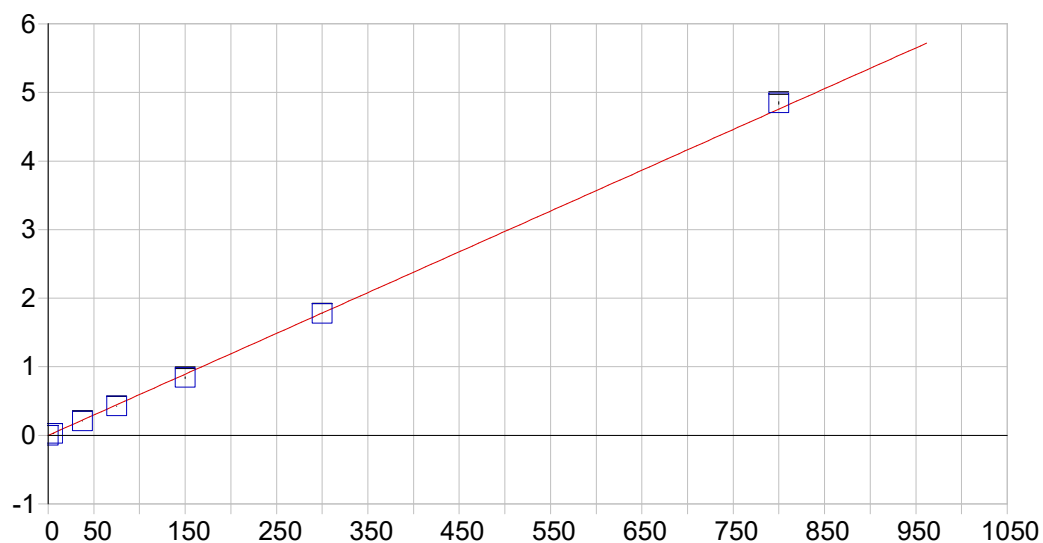


Ag 328.068 {103}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000767	Re-Slope:	1.000000
A1 (Gain):	0.407146	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999598	Status:	OK.
Std Error of Est:	0.000096		
Predicted MDL:	0.000531		
Predicted MQL:	0.001769		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00077	.000	1
S1	.01000	.01029	.000	2.86	.00339	.000	1
S2	.31250	.30011	-.012	-3.97	.12007	.001	1
S3	.62500	.59946	-.026	-4.09	.24059	.000	1
S4	1.2500	1.2240	-.026	-2.08	.49217	.001	1
S5	2.5000	2.5636	.064	2.55	1.0322	.004	1

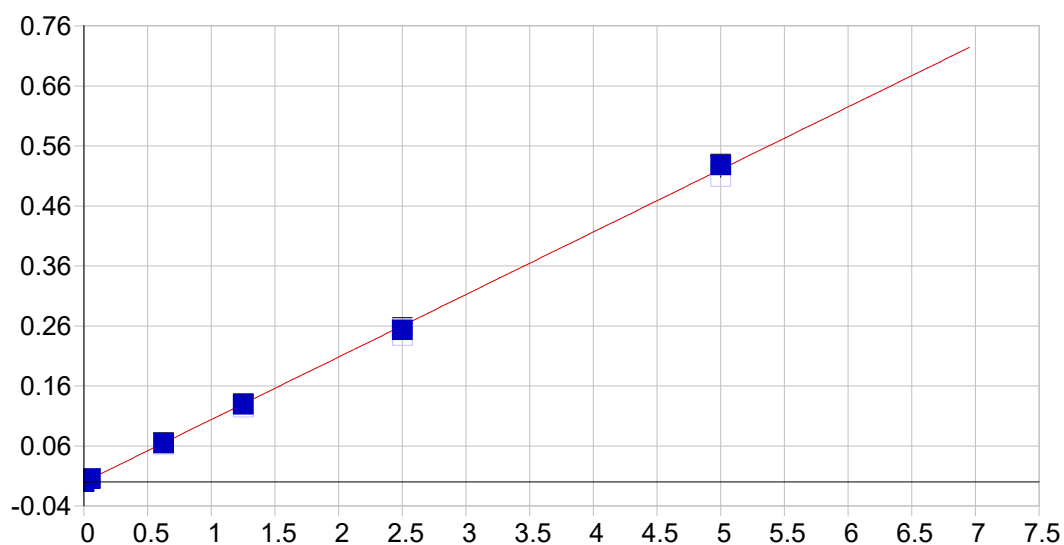


Na 818.326 { 41}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000311	Re-Slope:	1.000000
A1 (Gain):	0.005947	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999616	Status:	OK.
Std Error of Est:	0.000510		
Predicted MDL:	0.322701		
Predicted MQL:	1.075668		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00092	.001	.000	-.00031	.000	1
S1	5.0000	4.7837	-.216	-4.33	.02814	.001	1
S2	37.500	35.420	-2.08	-5.55	.21034	.003	1
S3	75.000	71.616	-3.38	-4.51	.42562	.000	1
S4	150.00	141.47	-8.53	-5.69	.84107	.010	1
S5	300.00	299.09	-.910	-.303	1.7785	.003	1
S6	800.00	815.12	15.1	1.89	4.8475	.019	1

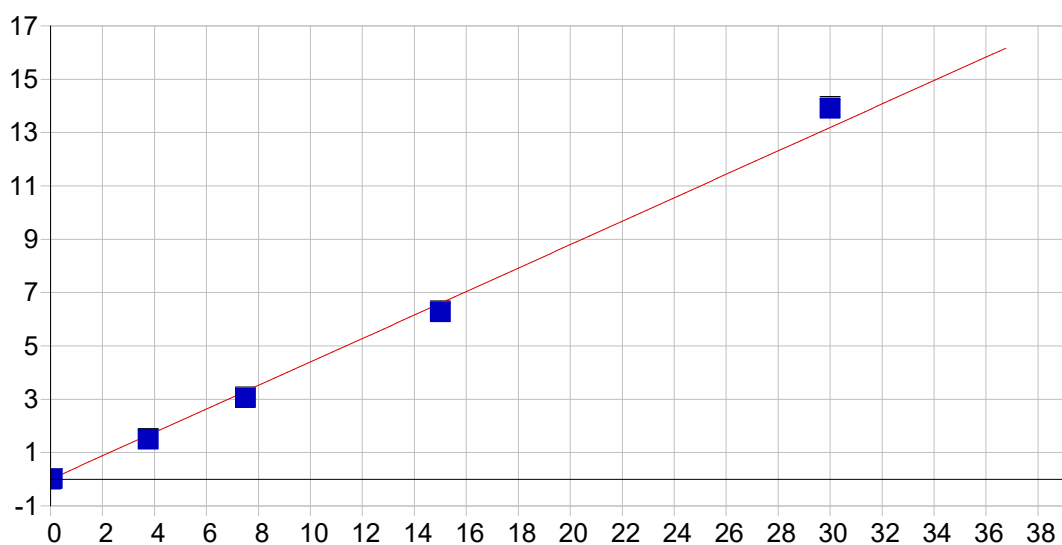


V 292.402 {115}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000253	Re-Slope:	1.000000
A1 (Gain):	0.104219	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999842	Status:	OK.
Std Error of Est:	0.000047		
Predicted MDL:	0.004171		
Predicted MQL:	0.013905		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00025	.001	1
S1	.05000	.05161	.002	3.21	.00511	.000	1
S2	.62500	.62405	-.001	-.152	.06239	.000	1
S3	1.2500	1.2417	-.008	-.663	.12436	.001	1
S4	2.5000	2.4360	-.064	-2.56	.24404	.003	1
S5	5.0000	5.0715	.072	1.43	.50912	.001	1

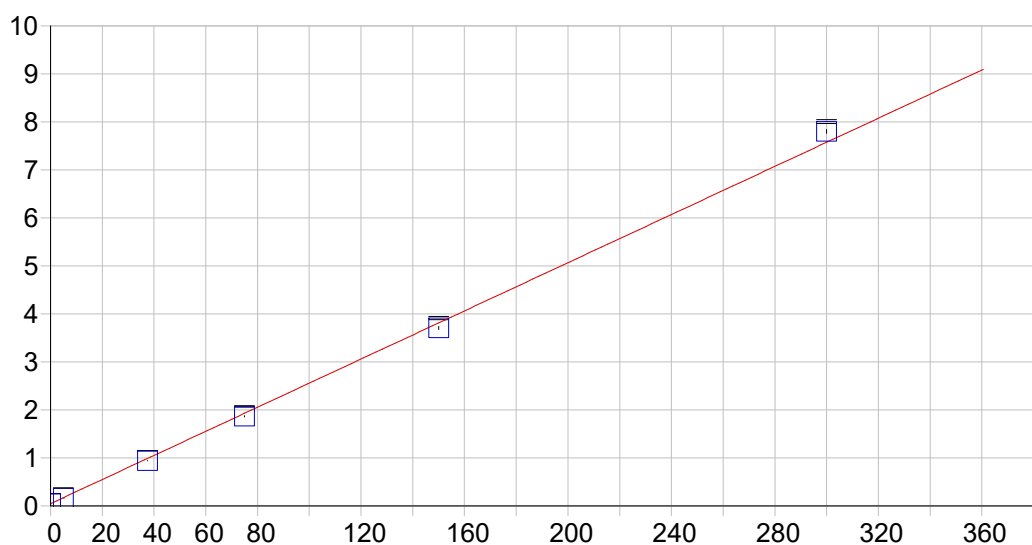


Zn 213.856 {158}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000065 Re-Slope: 1.000000
 A1 (Gain): 0.439801 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.998281 Status: OK.
 Std Error of Est: 0.001839
 Predicted MDL: 0.002745
 Predicted MQL: 0.009150

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00006	.001	1
S1	.06000	.05533	-.005	-7.78	.02435	.002	1
S2	3.7500	3.4097	-.340	-9.07	1.5008	.022	1
S3	7.5000	6.9591	-.541	-7.21	3.0632	.019	1
S4	15.000	14.262	-.738	-4.92	6.2777	.036	1
S5	30.000	31.624	1.62	5.41	13.918	.055	1

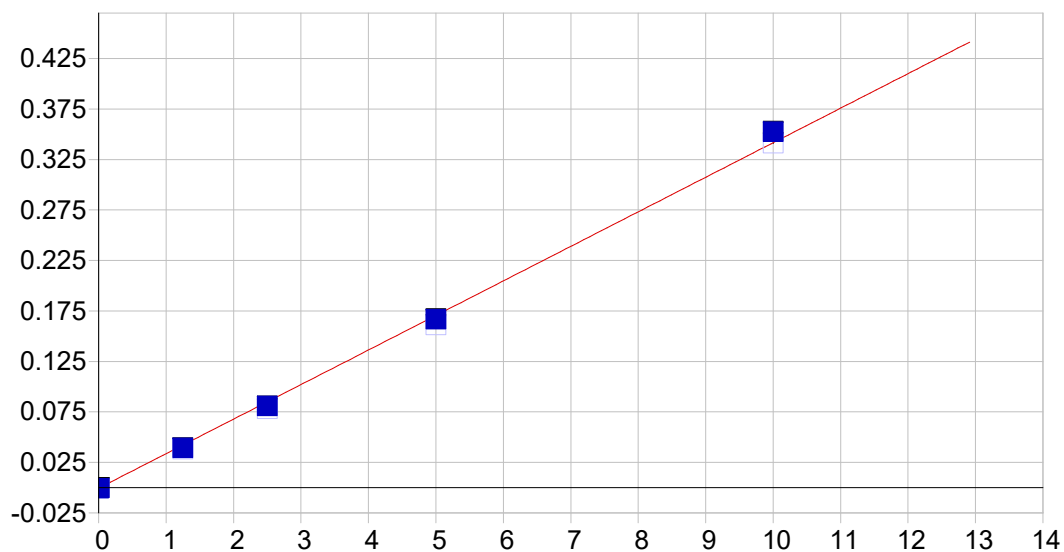


K 769.896 { 44 }

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.048151 Re-Slope: 1.000000
 A1 (Gain): 0.025091 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999492 Status: OK.
 Std Error of Est: 0.001650
 Predicted MDL: 0.076654
 Predicted MQL: 0.255513

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00070	.001	.000	.04817	.002	1
S1	5.0000	4.7043	-.296	-5.91	.16619	.001	1
S2	37.500	35.673	-1.83	-4.87	.94321	.002	1
S3	75.000	72.486	-2.51	-3.35	1.8669	.011	1
S4	150.00	145.73	-4.27	-2.85	3.7046	.034	1
S5	300.00	308.91	8.91	2.97	7.7990	.041	1

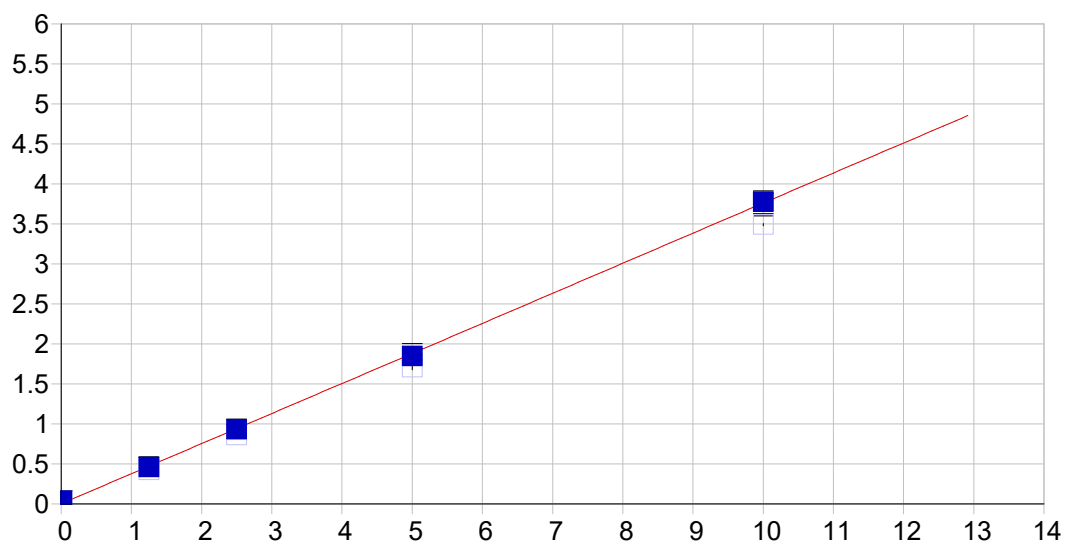


P 177.495 {490}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000563 Re-Slope: 1.000000
 A1 (Gain): 0.034216 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999312 Status: OK.
 Std Error of Est: 0.000021
 Predicted MDL: 0.005556
 Predicted MQL: 0.018521

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00056	.000	1
S1	.01000	.01002	.000	.203	-.00023	.000	1
S2	1.2500	1.1680	-.082	-6.56	.03799	.000	1
S3	2.5000	2.3753	-.125	-4.99	.07788	.000	1
S4	5.0000	4.8890	-.111	-2.22	.16107	.001	1
S5	10.000	10.318	.318	3.18	.34115	.001	1

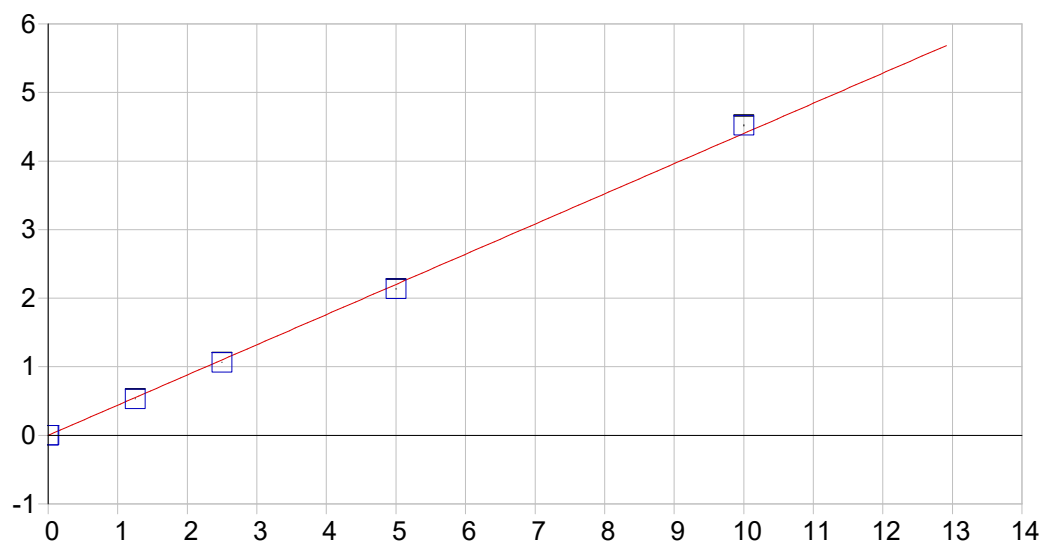


B 249.678 {135}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001733 Re-Slope: 1.000000
 A1 (Gain): 0.375795 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.975835 Status: OK.
 Std Error of Est: 0.001304
 Predicted MDL: 0.001314
 Predicted MQL: 0.004379

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00009	-.000	.000	.00170	.001	1
S1	.01000	.09948	.089	895.	.03906	.000	1
S2	1.2500	1.2198	-.030	-2.42	.42462	.004	1
S3	2.5000	2.4761	-.024	-.956	.86125	.005	1
S4	5.0000	4.9173	-.083	-1.65	1.7076	.032	1
S5	10.000	10.042	.042	.415	3.4913	.014	1

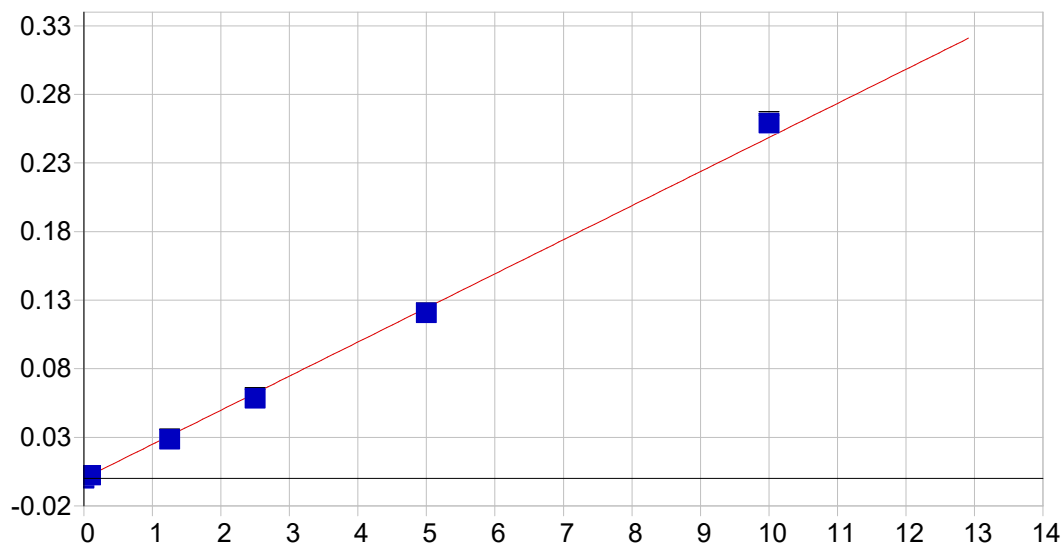


Mo 202.030 {467}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000190 Re-Slope: 1.000000
 A1 (Gain): 0.440191 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999578 Status: OK.
 Std Error of Est: 0.000214
 Predicted MDL: 0.000654
 Predicted MQL: 0.002180

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00019	.000	1
S1	.01000	.01113	.001	11.3	.00509	.000	1
S2	1.2500	1.2085	-.042	-3.32	.53215	.003	1
S3	2.5000	2.4155	-.085	-3.38	1.0635	.003	1
S4	5.0000	4.8552	-.145	-2.90	2.1374	.005	1
S5	10.000	10.270	.270	2.70	4.5208	.007	1

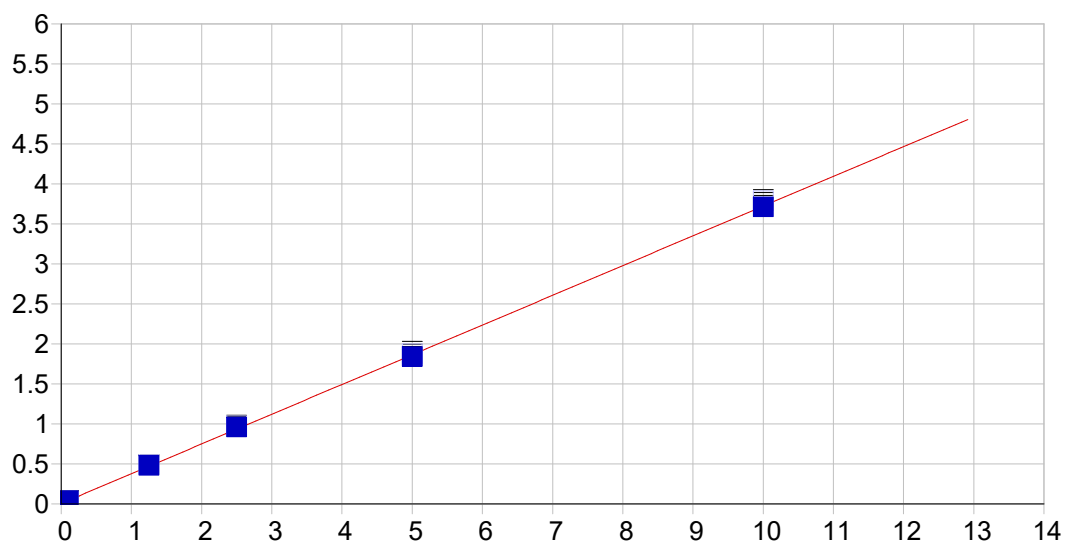


S 182.034 {485}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000078 Re-Slope: 1.000000
 A1 (Gain): 0.024852 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.998914 Status: OK.
 Std Error of Est: 0.000062
 Predicted MDL: 0.007941
 Predicted MQL: 0.026469

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00008	.000	1
S1	.10000	.08898	-.011	-11.0	.00229	.000	1
S2	1.2500	1.1448	-.105	-8.42	.02852	.000	1
S3	2.5000	2.3471	-.153	-6.12	.05840	.001	1
S4	5.0000	4.8534	-.147	-2.93	.12068	.000	1
S5	10.000	10.416	.416	4.16	.25890	.001	1

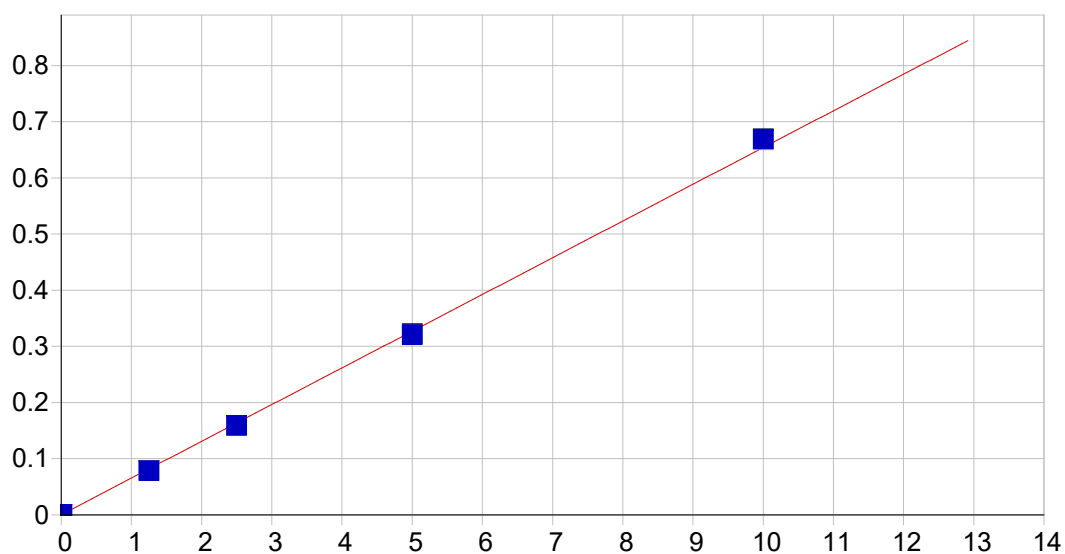


Si 251.611 {134}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005350 Re-Slope: 1.000000
 A1 (Gain): 0.371669 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999897 Status: OK.
 Std Error of Est: 0.000288
 Predicted MDL: 0.001397
 Predicted MQL: 0.004657

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00535	.001	1
S1	.10000	.09135	-.009	-8.65	.03971	.000	1
S2	1.2500	1.2799	.030	2.39	.49010	.003	1
S3	2.5000	2.5650	.065	2.60	.97680	.009	1
S4	5.0000	4.9361	-.064	-1.28	1.8762	.033	1
S5	10.000	9.9777	-.022	-.223	3.7862	.016	1

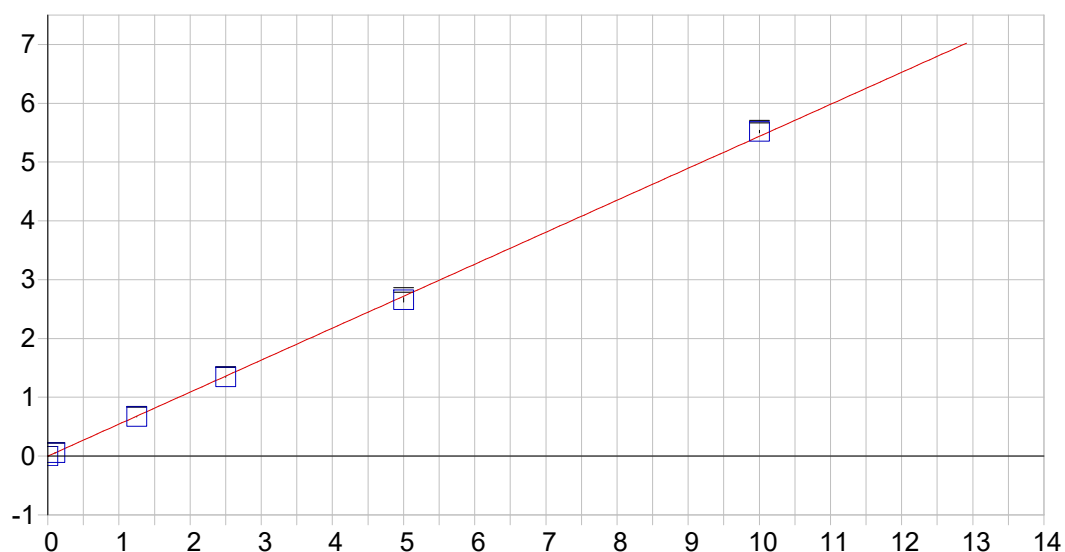


Sn 189.989 {478}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000284 Re-Slope: 1.000000
 A1 (Gain): 0.065376 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999693 Status: OK.
 Std Error of Est: 0.000023
 Predicted MDL: 0.002621
 Predicted MQL: 0.008736

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00028	.000	1
S1	.00700	.00617	-.001	-11.9	.00067	.000	1
S2	1.2500	1.1980	-.052	-4.16	.07838	.001	1
S3	2.5000	2.4239	-.076	-3.04	.15830	.000	1
S4	5.0000	4.9044	-.096	-1.91	.32002	.001	1
S5	10.000	10.225	.225	2.25	.66694	.001	1

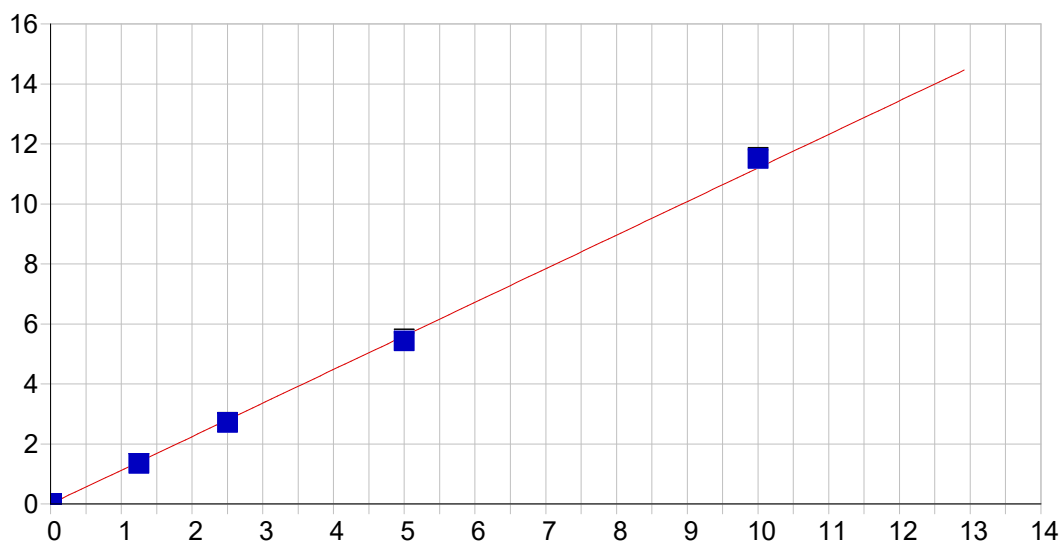


Ti 336.121 {100}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000379	Re-Slope:	1.000000
A1 (Gain):	0.543783	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999855	Status:	OK.
Std Error of Est:	0.000493		
Predicted MDL:	0.001393		
Predicted MQL:	0.004643		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00038	.001	1
S1	.10000	.10275	.003	2.75	.05625	.000	1
S2	1.2500	1.2317	-.018	-1.46	.67015	.004	1
S3	2.5000	2.4753	-.025	-.986	1.3464	.004	1
S4	5.0000	4.8870	-.113	-2.26	2.6579	.036	1
S5	10.000	10.153	.153	1.53	5.5215	.021	1



Li 670.784 { 50}

Date of Fit: 09/21/2021 15:39:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002272 Re-Slope: 1.000000
 A1 (Gain): 1.119495 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999549 Status: OK.
 Std Error of Est: 0.000690
 Predicted MDL: 0.001755
 Predicted MQL: 0.005850

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00227	.001	1
S5	10.000	10.280	.280	2.80	11.499	.037	1
S4	5.0000	4.8516	-.148	-2.97	5.4275	.062	1
S3	2.5000	2.4187	-.081	-3.25	2.7070	.006	1
S2	1.2500	1.2001	-.050	-3.99	1.3443	.001	1
S1	.01500	.01445	-.001	-3.68	.01836	.001	1

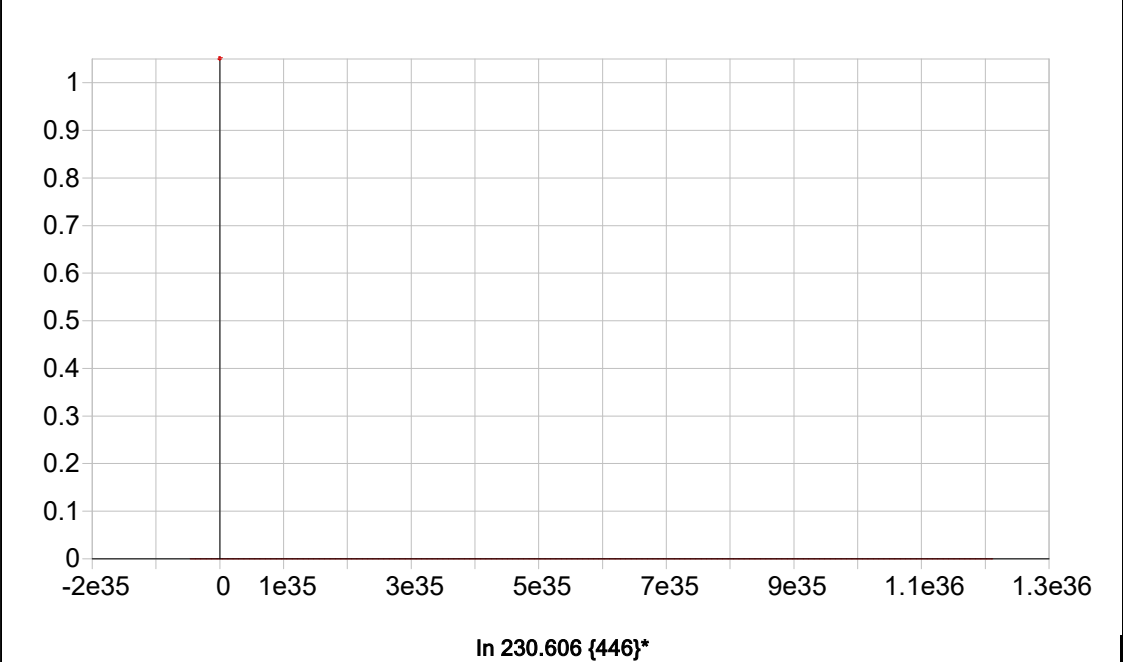




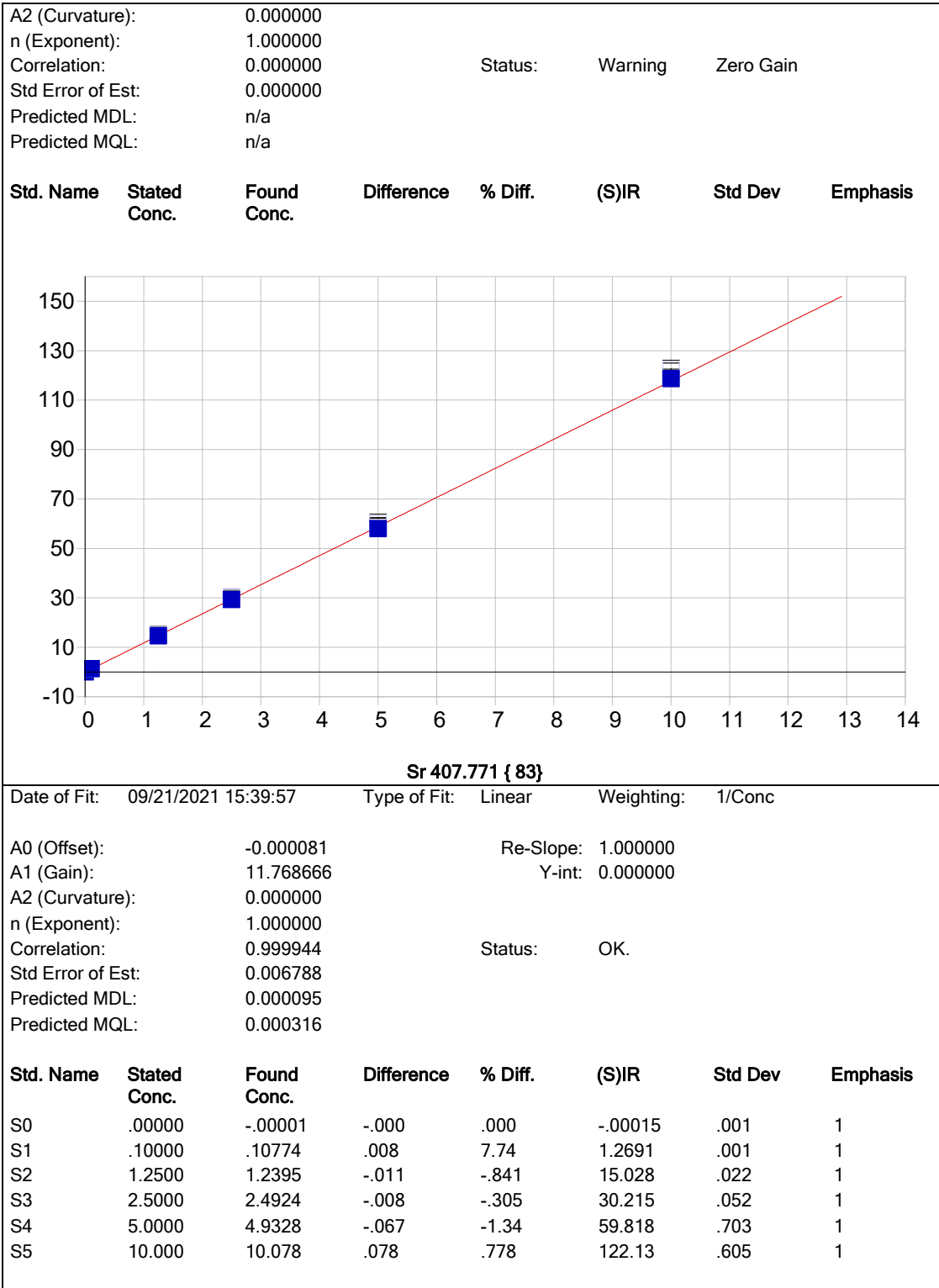


Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit: <not fit>		Type of Fit: Linear	Weighting: 1/Conc	
A0 (Offset):	0.000000	Re-Slope:	1.000000	
A1 (Gain):	0.000000	Y-int:	0.000000	



Sample Name: S0 Acquired: 09/21/2021 11:32:23 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	-.00025	-.00096	.00088	.00075	.00058	.00187	.00357	-.00260
Stddev	.00017	.00013	.00055	.00018	.00032	.00063	.00172	.00059
%RSD	67.808	14.112	62.484	24.421	55.364	33.931	48.357	22.640

#1	-.00026	-.00111	.00104	.00068	.00051	.00201	.00402	-.00226
#2	-.00007	-.00087	.00027	.00062	.00030	.00242	.00502	-.00226
#3	-.00041	-.00089	.00133	.00096	.00093	.00118	.00166	-.00328

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	.00011	.00205	-.00004	.00032	.00201	.00025	.00025	-.00029
Stddev	.00047	.00077	.00005	.00022	.00037	.00029	.00024	.00022
%RSD	442.39	37.323	137.35	69.022	18.299	118.29	94.192	74.294

#1	-.00038	.00292	-.00003	.00036	.00243	.00005	.00004	-.00052
#2	.00014	.00149	.00001	.00008	.00187	.00010	.00021	-.00008
#3	.00056	.00174	-.00009	.00052	.00174	.00058	.00051	-.00028

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	-.00195	-.00077	-.00031	-.00025	-.00006	.04817	-.00056	.00170
Stddev	.00032	.00008	.00038	.00052	.00092	.00231	.00022	.00056
%RSD	16.515	10.751	124.66	207.51	1551.9	4.7897	38.816	33.125

#1	-.00186	-.00081	-.00069	.00018	.00013	.04894	-.00079	.00235
#2	-.00168	-.00067	.00007	-.00084	-.00105	.04999	-.00036	.00134
#3	-.00230	-.00082	-.00029	-.00011	.00075	.04558	-.00054	.00141

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	.00019	.00008	.00535	.00028	.00038	.00227	-.00015	
Stddev	.00032	.00022	.00060	.00010	.00067	.00052	.00089	
%RSD	170.74	279.48	11.234	36.776	176.99	22.910	583.15	

#1	-.00018	-.00017	.00599	.00020	.00026	.00240	-.00072	
#2	.00035	.00018	.00480	.00025	-.00022	.00170	-.00061	
#3	.00040	.00022	.00526	.00040	.00110	.00272	.00087	

Sample Name: S0 Acquired: 09/21/2021 11:32:23 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	1475.0	26288.	5001.7	799.51	1870.5
Stddev	5.0	81.	32.4	8.01	4.6
%RSD	.33841	.30875	.64682	1.0025	.24382
#1	1480.7	26195.	5037.2	791.14	1866.9
#2	1471.6	26327.	4973.8	807.11	1875.6
#3	1472.6	26343.	4994.1	800.29	1868.9

Sample Name: S1 Acquired: 09/21/2021 11:36:30 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	.00015	.00038	.00326	.00264	.00851	.02102	.59371	.01449
Stddev	.00010	.00013	.00029	.00027	.00032	.00086	.00337	.00006
%RSD	64.713	33.352	8.8002	10.110	3.7641	4.1097	.56740	.42213
#1	.00024	.00039	.00352	.00288	.00871	.02017	.59459	.01443
#2	.00015	.00025	.00295	.00235	.00814	.02098	.59656	.01449
#3	.00005	.00050	.00330	.00271	.00869	.02190	.58999	.01456
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	.01335	.34397	.00140	.04413	.00864	.00266	.01012	.04617
Stddev	.00042	.00075	.00006	.00049	.00046	.00035	.00026	.00029
%RSD	3.1519	.21925	4.0958	1.1189	5.3627	13.179	2.5858	.63803
#1	.01382	.34321	.00141	.04364	.00827	.00304	.00999	.04607
#2	.01323	.34472	.00134	.04414	.00916	.00259	.01042	.04593
#3	.01301	.34398	.00145	.04463	.00849	.00235	.00995	.04650
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	.01764	.00339	.02814	.00511	.02435	.16619	-.00023	.03906
Stddev	.00033	.00003	.00081	.00042	.00169	.00091	.00013	.00029
%RSD	1.8466	.98848	2.8653	8.2081	6.9227	.54797	57.055	.74499
#1	.01763	.00338	.02727	.00503	.02596	.16683	-.00037	.03901
#2	.01732	.00337	.02887	.00474	.02260	.16659	-.00019	.03879
#3	.01798	.00343	.02828	.00557	.02450	.16515	-.00012	.03937
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	.00509	.00229	.03971	.00067	.05625	.01836	1.2691	
Stddev	.00022	.00011	.00019	.00017	.00047	.00139	.0014	
%RSD	4.3271	4.8438	.46759	24.934	.83841	7.5947	.10780	
#1	.00530	.00218	.03973	.00064	.05595	.01985	1.2706	
#2	.00511	.00228	.03952	.00052	.05679	.01709	1.2688	
#3	.00486	.00240	.03988	.00085	.05600	.01813	1.2679	

Sample Name: S1 Acquired: 09/21/2021 11:36:30 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	1510.6	27141.	5159.0	821.67	1939.3
Stddev	1.6	67.	14.5	.28	2.7
%RSD	.10674	.24515	.28156	.03455	.14099
#1	1508.8	27209.	5144.5	821.47	1937.3
#2	1512.0	27076.	5159.0	821.99	1942.4
#3	1511.0	27140.	5173.6	821.54	1938.2

Sample Name: S3 Acquired: 09/21/2021 11:44:31 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	.08495	.12775	2.4780	.12451	.32218	6.8154	14.541	.81175
Stddev	.00020	.00076	.0060	.00044	.00052	.0145	.046	.00698
%RSD	.23893	.59195	.24366	.35242	.16049	.21288	.31846	.85993

#1	.08480	.12821	2.4781	.12468	.32192	6.8240	14.581	.80956
#2	.08488	.12687	2.4719	.12401	.32184	6.8235	14.490	.81956
#3	.08518	.12816	2.4840	.12483	.32277	6.7986	14.552	.80613

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.0925	7.8531	1.0840	1.0599	1.7660	1.7844	4.4767	1.1390
Stddev	.0090	.0162	.0011	.0019	.0057	.0056	.0127	.0045
%RSD	.29175	.20634	.10527	.18292	.32366	.31235	.28484	.39361

#1	3.0984	7.8712	1.0834	1.0597	1.7684	1.7831	4.4737	1.1378
#2	3.0821	7.8399	1.0853	1.0581	1.7702	1.7906	4.4906	1.1439
#3	3.0969	7.8483	1.0832	1.0620	1.7595	1.7797	4.4656	1.1352

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	.57705	.24059	.42562	.12436	3.0632	1.8669	.07788	.86125
Stddev	.00054	.00009	.00033	.00107	.0185	.0115	.00027	.00481
%RSD	.09370	.03904	.07768	.86133	.60412	.61396	.34673	.55834

#1	.57725	.24069	.42600	.12408	3.0833	1.8597	.07787	.85675
#2	.57644	.24058	.42540	.12554	3.0468	1.8801	.07762	.86632
#3	.57746	.24051	.42546	.12346	3.0594	1.8609	.07816	.86067

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	1.0635	.05840	.97680	.15830	1.3464	2.7070	30.215
Stddev	.0029	.00064	.00851	.00041	.0040	.0059	.052
%RSD	.27149	1.0945	.87144	.25894	.29827	.21657	.17332

#1	1.0621	.05895	.97263	.15856	1.3464	2.7136	30.256
#2	1.0615	.05770	.98659	.15783	1.3505	2.7023	30.233
#3	1.0668	.05856	.97118	.15852	1.3424	2.7052	30.156

Sample Name: S3 Acquired: 09/21/2021 11:44:31 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	1404.4	26353.	5054.9	775.01	1745.6
Stddev	2.3	103.	56.0	6.05	5.9
%RSD	.16704	.39000	1.1077	.78109	.33825
#1	1402.5	26450.	5074.4	775.27	1738.8
#2	1407.0	26245.	4991.7	768.83	1749.5
#3	1403.8	26362.	5098.5	780.93	1748.5

Sample Name: S4 Acquired: 09/21/2021 11:48:24 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	.17124	.25333	4.9730	.24389	.64924	13.649	29.107	1.5838
Stddev	.00040	.00104	.0155	.00010	.00105	.169	.309	.0262
%RSD	.23383	.41088	.31148	.03997	.16100	1.2411	1.0599	1.6535

#1	.17092	.25227	4.9579	.24386	.64901	13.540	28.950	1.5610
#2	.17110	.25435	4.9724	.24381	.64832	13.845	29.462	1.6124
#3	.17169	.25338	4.9888	.24400	.65037	13.563	28.908	1.5779

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.1549	15.650	2.1233	2.1419	3.4887	3.4538	8.8203	2.2642
Stddev	.0075	.178	.0048	.0075	.0360	.0422	.0898	.0313
%RSD	.12214	1.1381	.22518	.35078	1.0331	1.2204	1.0184	1.3824

#1	6.1520	15.559	2.1225	2.1355	3.4639	3.4176	8.7735	2.2386
#2	6.1493	15.855	2.1285	2.1401	3.5301	3.5001	8.9238	2.2991
#3	6.1634	15.535	2.1190	2.1502	3.4722	3.4437	8.7635	2.2549

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	1.1589	.49217	.84107	.24404	6.2777	3.7046	.16107	1.7076
Stddev	.0030	.00096	.00956	.00327	.0357	.0338	.00056	.0320
%RSD	.26109	.19476	1.1363	1.3410	.56942	.91329	.34803	1.8723

#1	1.1556	.49210	.83704	.24166	6.3098	3.6834	.16066	1.6792
#2	1.1596	.49316	.85199	.24777	6.2391	3.7436	.16083	1.7422
#3	1.1615	.49125	.83419	.24268	6.2841	3.6868	.16171	1.7015

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	2.1374	.12068	1.8762	.32002	2.6579	5.4275	59.818
Stddev	.0048	.00017	.0329	.00149	.0364	.0622	.703
%RSD	.22453	.14098	1.7534	.46565	1.3705	1.1465	1.1753

#1	2.1346	.12062	1.8455	.31845	2.6323	5.3897	59.411
#2	2.1347	.12055	1.9109	.32019	2.6996	5.4994	60.629
#3	2.1429	.12087	1.8721	.32142	2.6418	5.3936	59.412

Sample Name: S4 Acquired: 09/21/2021 11:48:24 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	1324.1	25396.	4941.5	717.36	1625.7
Stddev	2.9	172.	43.5	7.75	3.4
%RSD	.21651	.67757	.88119	1.0810	.20682
#1	1321.5	25199.	4970.1	709.01	1625.8
#2	1327.2	25516.	4891.4	724.34	1629.1
#3	1323.5	25473.	4963.0	718.74	1622.3

Sample Name: S5 Acquired: 09/21/2021 11:52:16 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	.36807	.50809	10.361	.50232	1.3889	29.074	59.670	3.2332
Stddev	.00075	.00122	.018	.00236	.0027	.037	.160	.0176
%RSD	.20483	.23948	.17334	.46920	.19786	.12834	.26874	.54500

#1	.36880	.50879	10.363	.50140	1.3860	29.067	59.498	3.2162
#2	.36810	.50668	10.377	.50500	1.3915	29.040	59.815	3.2514
#3	.36729	.50880	10.341	.50057	1.3892	29.114	59.696	3.2321

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	12.655	32.309	4.2921	4.4491	7.2648	7.1505	18.019	4.8165
Stddev	.021	.173	.0079	.0048	.0341	.0138	.095	.0108
%RSD	.16618	.53439	.18337	.10838	.46989	.19364	.52446	.22486

#1	12.635	32.300	4.2980	4.4457	7.2420	7.1388	17.981	4.8076
#2	12.677	32.141	4.2952	4.4546	7.2483	7.1658	17.948	4.8286
#3	12.652	32.486	4.2832	4.4470	7.3040	7.1469	18.126	4.8133

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	2.3865	1.0322	1.7785	.50912	13.918	7.7990	.34115	3.4913
Stddev	.0032	.0044	.0034	.00143	.055	.0411	.00051	.0139
%RSD	.13208	.43029	.18835	.28029	.39787	.52660	.15075	.39840

#1	2.3831	1.0328	1.7775	.50831	13.982	7.7521	.34171	3.4766
#2	2.3892	1.0363	1.7757	.50828	13.879	7.8166	.34069	3.4931
#3	2.3872	1.0274	1.7822	.51077	13.894	7.8283	.34107	3.5043

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	4.5208	.25890	3.7862	.66694	5.5215	11.499	122.13
Stddev	.0073	.00126	.0164	.00058	.0215	.037	.60
%RSD	.16207	.48501	.43266	.08709	.38895	.32020	.49508

#1	4.5142	.25770	3.7711	.66671	5.5249	11.515	122.37
#2	4.5287	.26021	3.8036	.66761	5.4985	11.457	122.59
#3	4.5196	.25879	3.7839	.66652	5.5411	11.525	121.45

Sample Name: S5 Acquired: 09/21/2021 11:52:16 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	1168.9	23583.	4653.9	627.30	1443.5
Stddev	1.6	16.	14.2	2.81	.3
%RSD	.13650	.06869	.30512	.44837	.02093
#1	1169.9	23565.	4661.4	625.37	1443.8
#2	1167.1	23592.	4637.6	626.02	1443.4
#3	1169.7	23594.	4662.8	630.53	1443.2

Sample Name: S6 Acquired: 09/21/2021 11:56:24 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) 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	75.307	52.739	19.023	7.8172	4.8475
Stddev	.797	.181	.095	.0354	.0195
%RSD	1.0577	.34306	.49690	.45332	.40200

#1	74.539	52.625	18.914	7.7783	4.8256
#2	75.253	52.947	19.086	7.8475	4.8629
#3	76.129	52.644	19.069	7.8258	4.8540

Int. Std.	Y_3710
Units	Cts/S
Avg	4752.6
Stddev	8.3
%RSD	.17504

#1	4758.3
#2	4743.0
#3	4756.4

Sample Name: ICV002 Acquired: 09/21/2021 12:23:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.008069	1.069709	1.010552	F 1.126375	1.008662	2.564148
Stddev	.007533	.002115	.007496	.010200	.010509	.008179
%RSD	.7472554	.1977061	.7417745	.9055549	1.041872	.3189914

#1	.999389	1.071132	1.017552	1.126408	1.006686	2.556838
#2	1.011930	1.070717	1.002643	1.116159	.999281	2.572982
#3	1.012890	1.067279	1.011459	1.136558	1.020018	2.562624

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5260789	.5498333	.5259340	10.04963	.5545198	.5134937
Stddev	.0015028	.0016182	.0001826	.05805	.0001310	.0010511
%RSD	.2856545	.2943020	.0347118	.5775951	.0236235	.2046871

#1	.5273969	.5513601	.5258254	10.08397	.5545503	.5128358
#2	.5244424	.5500025	.5258318	9.98261	.5546328	.5129395
#3	.5263973	.5481371	.5261448	10.08230	.5543762	.5147059

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5386185	10.92913	.5190191	5.728454	.5278850	.2384353
Stddev	.0061979	.11062	.0023683	.053504	.0030452	.0015562
%RSD	1.150703	1.012174	.4563096	.9340016	.5768605	.6526528

#1	.5316592	10.80515	.5209580	5.667083	.5279326	.2382336
#2	.5435440	11.01775	.5163795	5.765296	.5248164	.2369899
#3	.5406522	10.96449	.5197198	5.752982	.5309062	.2400825

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.782552	.5472242	.9233457	9.303919	F .0058847	F 1.069501
Stddev	.184336	.0042946	.0125253	.083100	.0004445	.005778
%RSD	1.884335	.7847910	1.356510	.8931729	7.553364	.5402220

#1	9.727756	.5429201	.9089403	9.361972	.0063953	1.072792
#2	9.988074	.5515092	.9294323	9.208725	.0056748	1.072881
#3	9.631828	.5472433	.9316646	9.341059	.0055841	1.062830

Sample Name: ICV002 Acquired: 09/21/2021 12:23:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV002 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1.057177	F .0077817	F .9464163	F 1.013128	F 1.086237	F .0008406
Stddev	.007088	.0079374	.0032307	.007534	.005096	.0017713
%RSD	.6704392	102.0013	.3413579	.7436335	.4691837	210.7323

#1	1.050334	.0047593	.9493671	1.005429	1.082047	.0007265
#2	1.056711	.0167863	.9469174	1.013469	1.091911	-.000871
#3	1.064486	.0017994	.9429643	1.020485	1.084752	.002666

Elem	Sr4077
Units	ppm
Avg	F -.009472
Stddev	.000112
%RSD	1.185559

#1	-.009342
#2	-.009533
#3	-.009540

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1440.208	26833.37	5056.798	808.6872	1879.958
Stddev	5.840	54.16	12.085	2.9565	1.953
%RSD	.4054738	.2018247	.2389816	.3655967	.1039087

#1	1442.304	26861.80	5043.161	806.2363	1878.403
#2	1444.711	26867.40	5066.180	811.9707	1882.150
#3	1433.610	26770.92	5061.052	807.8545	1879.320

Sample Name: ICB002 Acquired: 09/21/2021 12:27:30 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICB002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005196	.0036819	.0007397	.0001835	-.000135	.0147183	-.002225
Stddev	.0050940	.0075116	.0005289	.0040612	.003220	.0097998	.000557
%RSD	980.4656	204.0137	71.49645	2213.232	2379.538	66.58255	25.03462

#1	.0025786	.0019524	.0010317	.0005276	-.002590	.0052418	-.002181
#2	.0042617	-.002814	.0010583	.0040616	.003511	.0248123	-.002804
#3	-.005282	.011907	.0001292	-.004039	-.001327	.0141009	-.001692

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000029	.0000260	-.005040	-.000331	.0000311	.0009538	-.011708
Stddev	.000104	.0001218	.011204	.000771	.0006060	.0028289	.012022
%RSD	363.6928	469.4140	222.2837	232.8658	1950.630	296.6008	102.6780

#1	.000075	.0001652	-.017961	.000547	.0000905	-.000236	-.022320
#2	-.000029	-.000061	.001994	-.000644	.0006052	.004183	.001348
#3	-.000132	-.000026	.000846	-.000896	-.000602	-.001086	-.014152

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000733	.0393093	-.000155	.0004202	-.190367	.0001853	-.002432
Stddev	.0005221	.0469570	.000299	.0003972	.335798	.0027724	.002609
%RSD	712.0561	119.4551	193.3811	94.51009	176.3954	1496.250	107.2739

#1	.0001318	.0804927	-.000160	-.000030	-.575797	-.003003	-.005267
#2	.0005637	.0492613	-.000452	.000720	.038993	.002033	-.001896
#3	-.000476	-.011826	.000147	.000571	-.034296	.001526	-.000133

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.237418	-.002287	.0047254	.0004999	-.000381	-.003638	-.000936
Stddev	.062213	.003297	.0014220	.0001009	.008012	.000954	.000990
%RSD	26.20397	144.1597	30.09280	20.18414	2104.077	26.22337	105.7803

#1	-.305960	-.005911	.0031067	.0005772	-.007291	-.003065	-.001579
#2	-.221774	-.001483	.0057735	.0005368	.008401	-.003109	.000204
#3	-.184521	.000534	.0052960	.0003858	-.002253	-.004739	-.001432

Sample Name: ICB002 Acquired: 09/21/2021 12:27:30 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICB002 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0003144	-.001555	-.000108
Stddev	.0016987	.000681	.000051
%RSD	540.2721	43.76787	46.67892

#1	.0022705	-.001977	-.000108
#2	-.000538	-.000770	-.000159
#3	-.000789	-.001918	-.000058

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1434.065	26644.50	4994.005	804.7768	1862.480
Stddev	2.919	85.23	20.728	6.7724	1.462
%RSD	.2035545	.3198706	.4150631	.8415248	.0785141

#1	1433.872	26561.04	4988.075	797.6455	1863.908
#2	1437.076	26731.40	4976.887	805.5633	1862.548
#3	1431.248	26641.06	5017.052	811.1217	1860.985

Sample Name: ICSA002 Acquired: 09/21/2021 12:31:37 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSA002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085590	-.004630	.0040438	.0204116	.0009818	246.5750	.0026293
Stddev	.0053719	.004176	.0037838	.0057436	.0034309	.0248	.0011058
%RSD	62.76312	90.19904	93.57102	28.13913	349.4333	.0100768	42.05560

#1	.0025651	-.008062	.0013581	.0148684	.0039782	246.5583	.0020122
#2	.0101732	.000020	.0083712	.0263366	.0017280	246.6035	.0039059
#3	.0129387	-.005847	.0024021	.0200297	-.002761	246.5631	.0019698

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012802	-.001138	243.4957	.0566301	-.001772	.0074423	104.3993
Stddev	.0001421	.000070	.3695	.0014017	.000811	.0008520	.1607
%RSD	11.09718	6.155024	.1517608	2.475233	45.78476	11.44845	.1539368

#1	.0013462	-.001080	243.1064	.0552292	-.001027	.0065101	104.3461
#2	.0011171	-.001216	243.8416	.0566286	-.002637	.0081808	104.5799
#3	.0013772	-.001118	243.5392	.0580326	-.001652	.0076360	104.2720

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109409	247.4106	-.000119	.0046915	-.167509	.0054647	.0090648
Stddev	.0001518	.2280	.000336	.0001196	.401969	.0030587	.0027925
%RSD	1.387815	.0921394	281.6599	2.549143	239.9679	55.97238	30.80652

#1	.0111156	247.2294	-.000505	.0046102	.291158	.0065875	.0100968
#2	.0108662	247.3360	.000039	.0048288	-.458462	.0078032	.0111944
#3	.0108408	247.6666	.000108	.0046354	-.335224	.0020032	.0059031

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.476479	-.006495	.0011608	-.000093	.0063876	.0002701	.0002252
Stddev	.042410	.003929	.0011373	.000388	.0040806	.0005366	.0024169
%RSD	8.900607	60.48894	97.96871	416.8040	63.88313	198.6642	1073.095

#1	-.525443	-.009029	.0022800	-.000316	.0022312	-.000022	-.002097
#2	-.451326	-.008486	.0011963	.000355	.0065437	-.000057	.002727
#3	-.452668	-.001969	.0000063	-.000319	.0103879	.000889	.000046

Sample Name: ICSA002 Acquired: 09/21/2021 12:31:37 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSA002 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000154	.0042057	.0033395
Stddev	.000488	.0001925	.0002022
%RSD	317.5046	4.576598	6.055447

#1	-.000428	.0042031	.0035540
#2	.000410	.0040146	.0031523
#3	-.000443	.0043995	.0033123

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1359.125	25554.57	4912.220	765.9121	1672.690
Stddev	1.406	174.76	5.008	5.3370	2.947
%RSD	.1034786	.6838753	.1019450	.6968209	.1762009

#1	1357.580	25701.08	4908.229	770.7818	1669.309
#2	1359.461	25601.51	4917.839	766.7481	1674.721
#3	1360.332	25361.14	4910.591	760.2064	1674.039

Sample Name: ICSAB002 Acquired: 09/21/2021 12:35:43 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB002 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1090640	.0955765	.0513366	.0732165	.5791734	238.2420	.5098152
Stddev	.0083081	.0086309	.0039927	.0013746	.0077380	.5405	.0017421
%RSD	7.617676	9.030327	7.777570	1.877379	1.336036	.2268677	.3417046

#1	.0995483	.0883999	.0558217	.0741565	.5756113	237.8635	.5084271
#2	.1148773	.0931762	.0500187	.0738542	.5738581	238.0015	.5117701
#3	.1127663	.1051535	.0481694	.0716390	.5880510	238.8610	.5092485

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5241247	.9952697	236.2612	.5728581	.4942891	.5117441	100.9807
Stddev	.0037601	.0018592	.7075	.0002237	.0018854	.0017764	.5232
%RSD	.7173966	.1868004	.2994385	.0390501	.3814434	.3471367	.5180844

#1	.5283524	.9932990	235.5440	.5726362	.4933909	.5120567	101.1527
#2	.5228670	.9955176	236.9585	.5728543	.4964556	.5098320	100.3933
#3	.5211548	.9969924	236.2811	.5730836	.4930206	.5133435	101.3963

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4951006	238.6810	.9993146	.2006079	.1427379	.5220123	.9231834
Stddev	.0009168	1.1565	.0010872	.0009357	.1129758	.0032636	.0111948
%RSD	.1851690	.4845199	.1087999	.4664548	79.14907	.6251902	1.212634

#1	.4945108	238.6657	1.000494	.2016199	.0848396	.5189864	.9133063
#2	.4961568	237.5322	.999098	.2004298	.2729262	.5215801	.9209000
#3	.4946341	239.8450	.998352	.1997741	.0704480	.5254705	.9353439

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.664619	-.001456	-.002401	.0001759	.0046890	.0005728	.0039961
Stddev	.071405	.000755	.001892	.0002956	.0064420	.0020217	.0013167
%RSD	10.74372	51.81600	78.79977	168.0192	137.3833	352.9198	32.95013

#1	-.671585	-.000681	-.004555	.0000883	.0058699	-.001041	.0025760
#2	-.589987	-.002189	-.001641	.0005055	-.002262	-.000081	.0051766
#3	-.732286	-.001500	-.001008	-.000066	.010459	.002840	.0042355

Sample Name: ICSAB002 Acquired: 09/21/2021 12:35:43 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1566) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: ICSAB002 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001607	.0033252	.0035805
Stddev	.000280	.0003791	.0008040
%RSD	17.44429	11.40160	22.45392

#1	-.001521	.0029095	.0037293
#2	-.001920	.0034143	.0042997
#3	-.001380	.0036519	.0027126

Int. Std.	Y_2243	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1362.906	25687.62	4969.496	771.2840	1681.198
Stddev	.790	74.38	36.833	6.1238	2.826
%RSD	.0579547	.2895491	.7411824	.7939734	.1680845

#1	1363.448	25751.35	4942.703	773.8575	1680.815
#2	1361.999	25605.90	4954.287	764.2934	1678.583
#3	1363.269	25705.61	5011.498	775.7011	1684.196