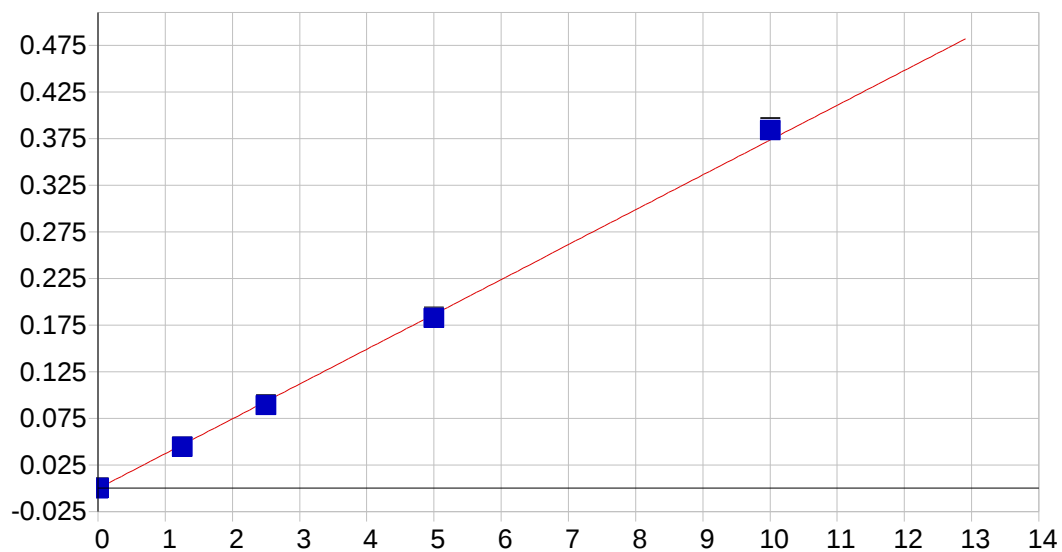




As 189.042 {479}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000279

Re-Slope: 1.000000

A1 (Gain): 0.037350

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999479

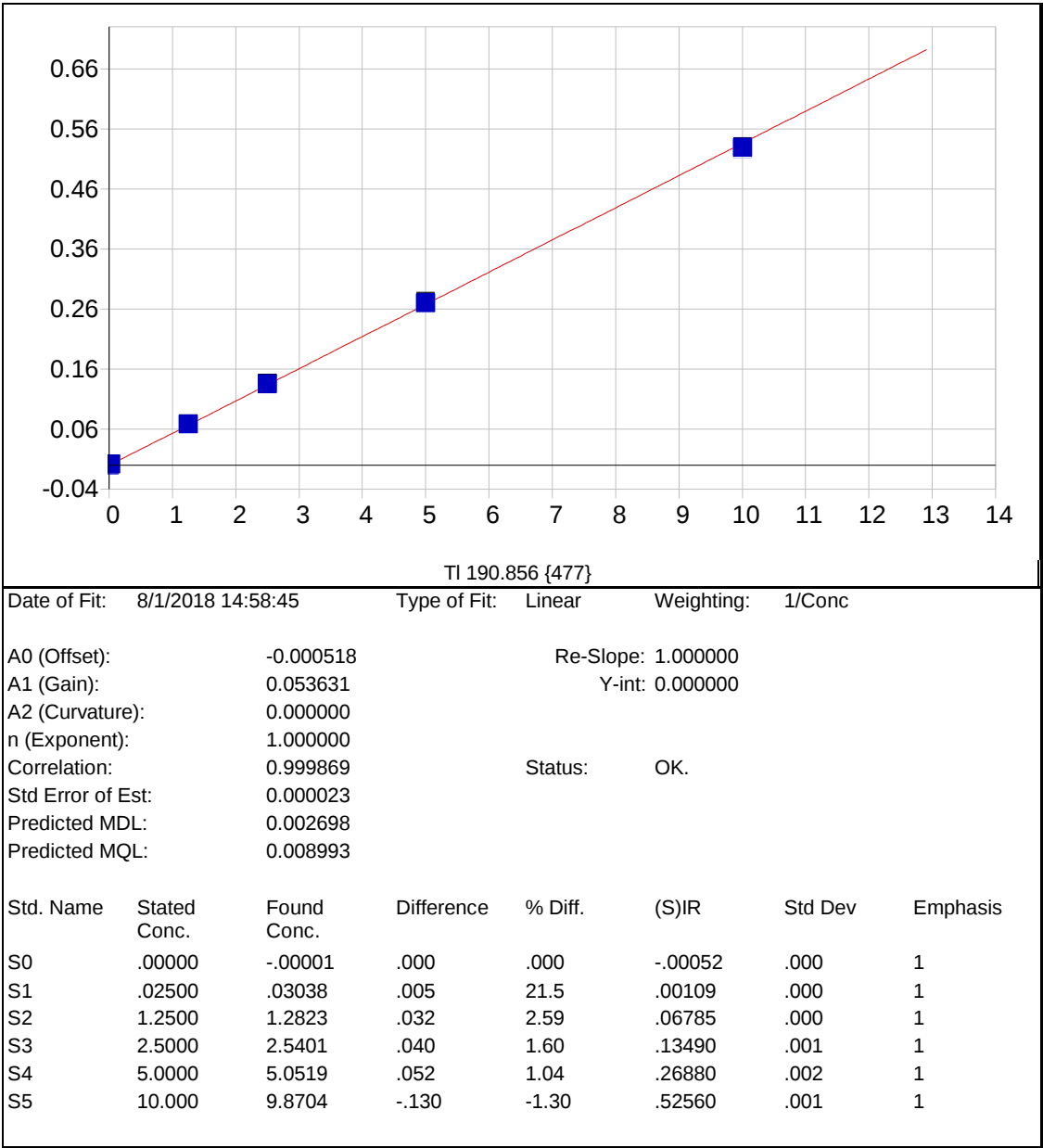
Status: OK.

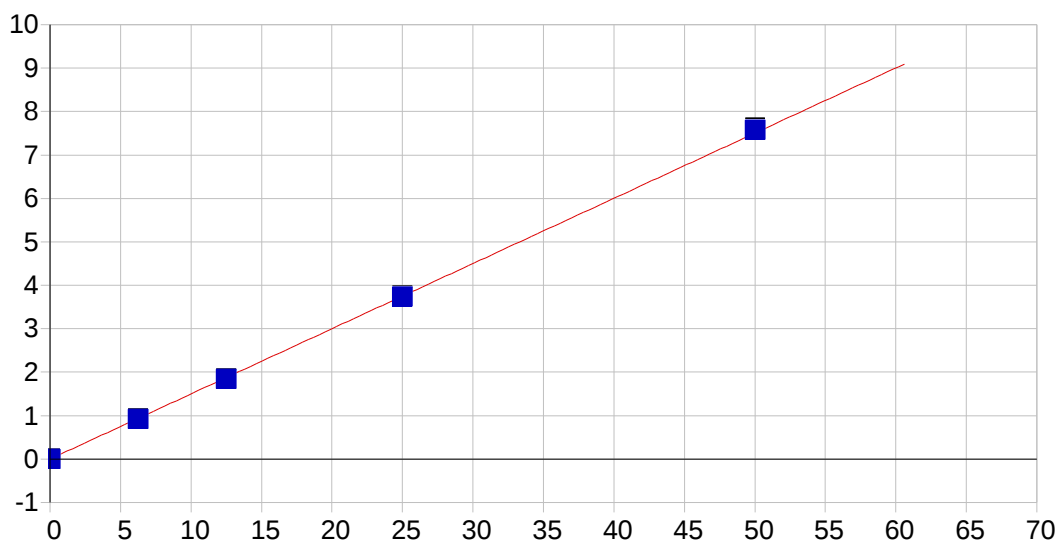
Std Error of Est: 0.000020

Predicted MDL: 0.004193

Predicted MQL: 0.013976

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00028	.000	1
S1	.01000	.01343	.003	34.3	.00022	.000	1
S2	1.2500	1.1884	-.062	-4.93	.04422	.000	1
S3	2.5000	2.3868	-.113	-4.53	.08909	.000	1
S4	5.0000	4.8902	-.110	-2.20	.18281	.001	1
S5	10.000	10.281	.281	2.81	.38460	.002	1



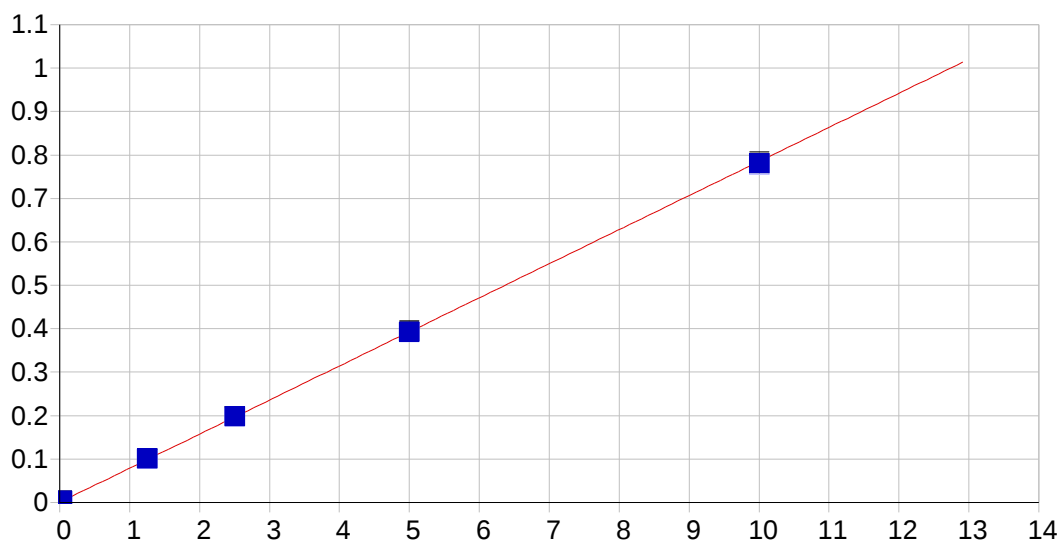


Pb 220.353 {453}

Date of Fit: 8/1/2018 14:58:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000186 Re-Slope: 1.000000
 A1 (Gain): 0.150094 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999937 Status: OK.
 Std Error of Est: 0.000063
 Predicted MDL: 0.002206
 Predicted MQL: 0.007355

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00019	.000	1
S1	.01000	.01144	.001	14.4	.00154	.000	1
S2	6.2500	6.1333	-.117	-1.87	.92168	.005	1
S3	12.500	12.250	-.250	-2.00	1.8410	.008	1
S4	25.000	24.910	-.090	-.359	3.7439	.016	1
S5	50.000	50.455	.455	.911	7.5833	.042	1



Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000447

Re-Slope: 1.000000

A1 (Gain): 0.078465

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999888

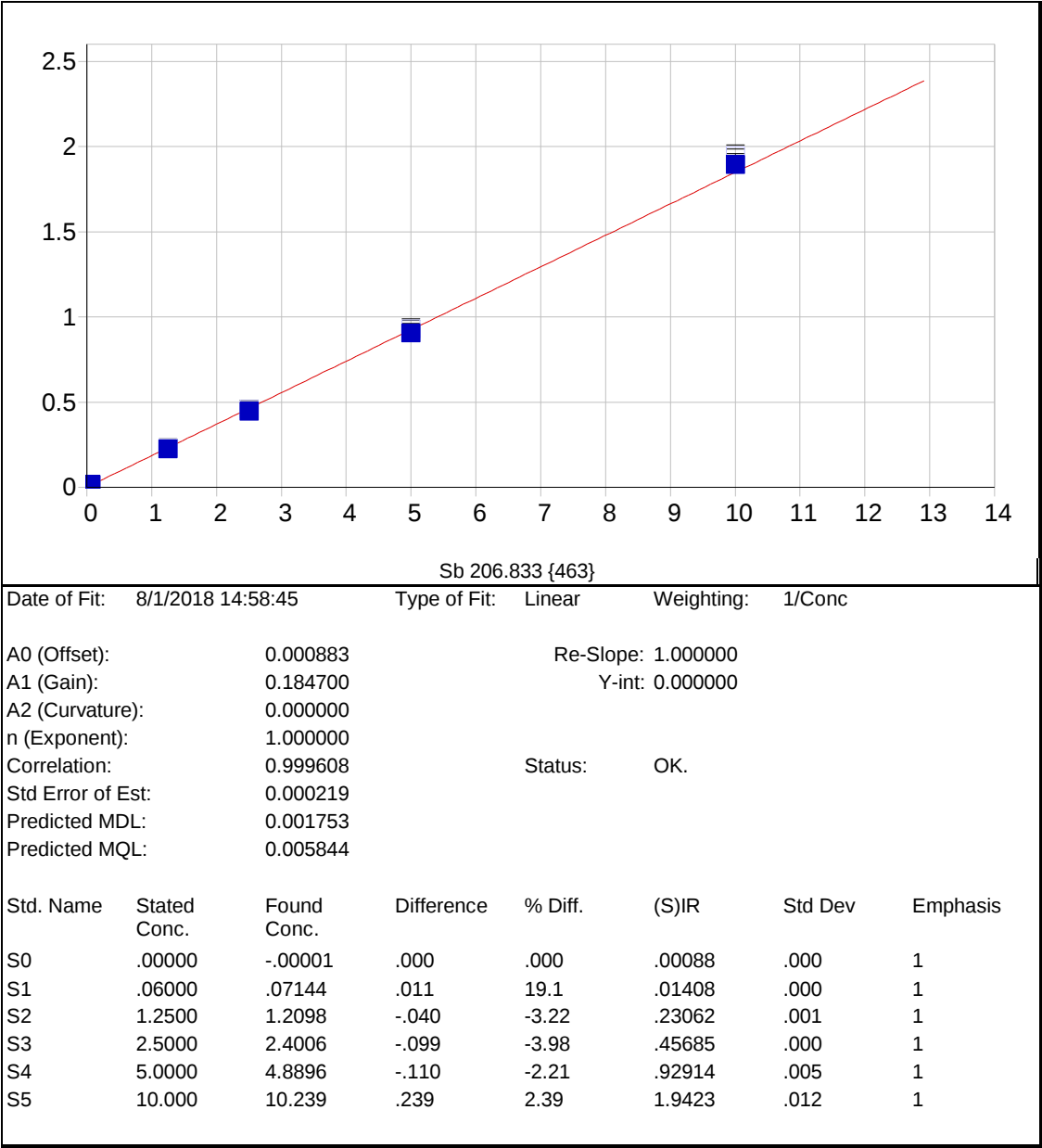
Status: OK.

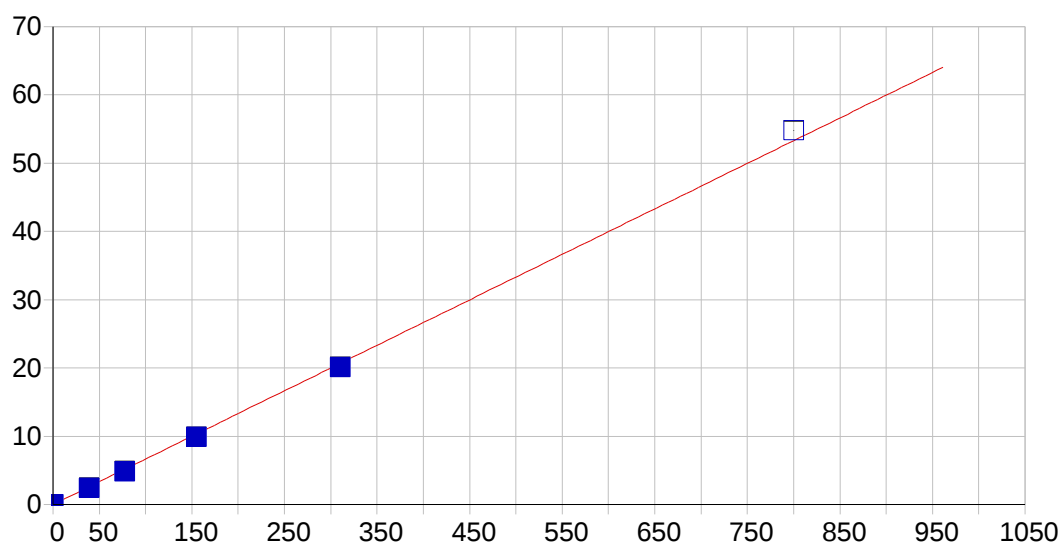
Std Error of Est: 0.000037

Predicted MDL: 0.003229

Predicted MQL: 0.010764

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.00045	.000	1
S1	.03500	.04560	.011	30.3	.00402	.000	1
S2	1.2500	1.2747	.025	1.98	.10001	.000	1
S3	2.5000	2.5169	.017	.677	.19702	.001	1
S4	5.0000	5.0053	.005	.106	.39135	.002	1
S5	10.000	9.9425	-.058	-.575	.77690	.004	1





AI 396.152 { 85}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.003932

Re-Slope: 1.000000

A1 (Gain): 0.066617

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999413

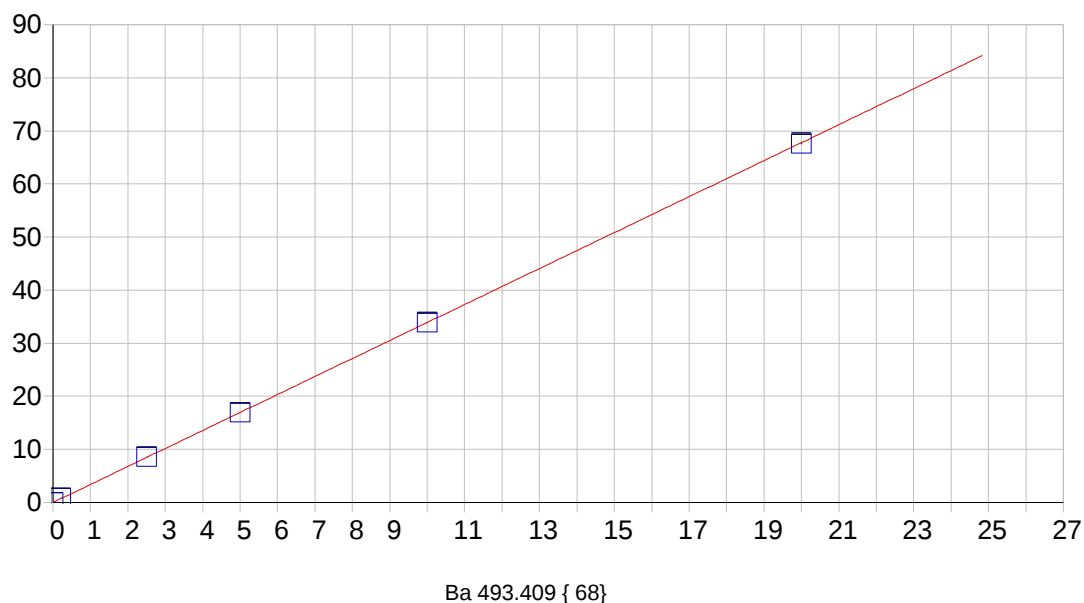
Status: OK.

Std Error of Est: 0.001420

Predicted MDL: 0.017888

Predicted MQL: 0.059626

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00393	.001	1
S1	.20000	.23592	.036	18.0	.01967	.001	1
S2	38.750	36.339	-2.41	-6.22	2.4271	.005	1
S3	77.500	72.503	-5.00	-6.45	4.8387	.026	1
S4	155.00	148.08	-6.92	-4.46	9.8783	.041	1
S5	310.00	301.93	-8.07	-2.60	20.137	.022	1
S6	800.00	822.38	22.4	2.80	54.788	.037	1



Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.007320

Re-Slope: 1.000000

A1 (Gain): 3.388909

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999879

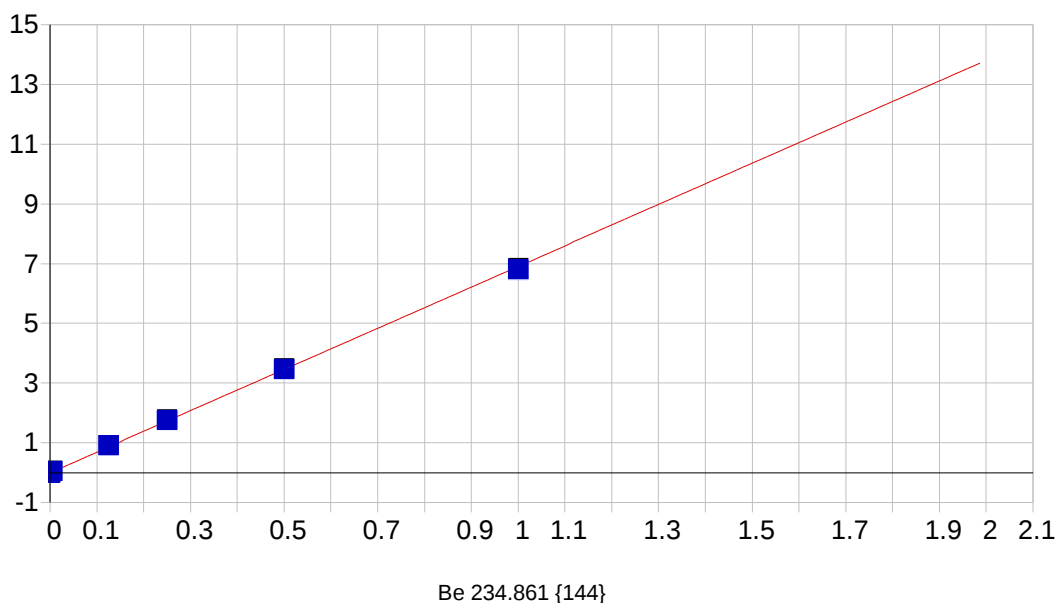
Status: OK.

Std Error of Est: 0.005606

Predicted MDL: 0.000831

Predicted MQL: 0.002770

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00004	.000	.000	.00718	.003	1
S1	.20000	.24195	.042	21.0	.82725	.006	1
S2	2.5000	2.5199	.020	.797	8.5471	.017	1
S3	5.0000	4.9840	-.016	-.321	16.898	.023	1
S4	10.000	10.002	.002	.023	33.904	.126	1
S5	20.000	19.952	-.048	-.241	67.622	.180	1



Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001717

Re-Slope: 1.000000

A1 (Gain): 6.907615

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999653

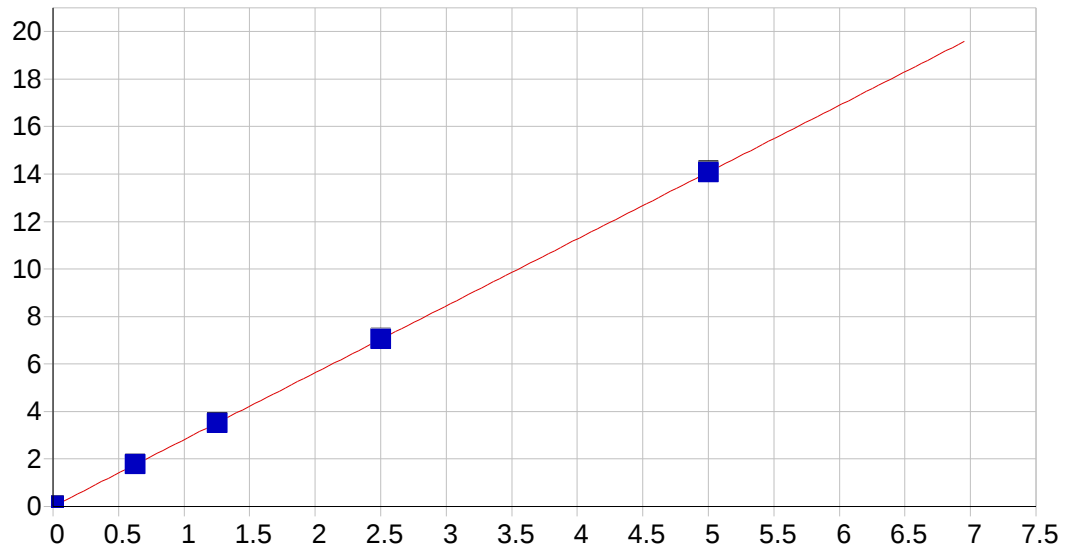
Status: OK.

Std Error of Est: 0.000680

Predicted MDL: 0.000074

Predicted MQL: 0.000246

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00173	.000	1
S1	.00500	.00662	.002	32.4	.04400	.000	1
S2	.12500	.13205	.007	5.64	.90667	.005	1
S3	.25000	.25562	.006	2.25	1.7565	.005	1
S4	.50000	.50113	.001	.226	3.4448	.028	1
S5	1.0000	.98457	-.015	-1.54	6.7691	.054	1

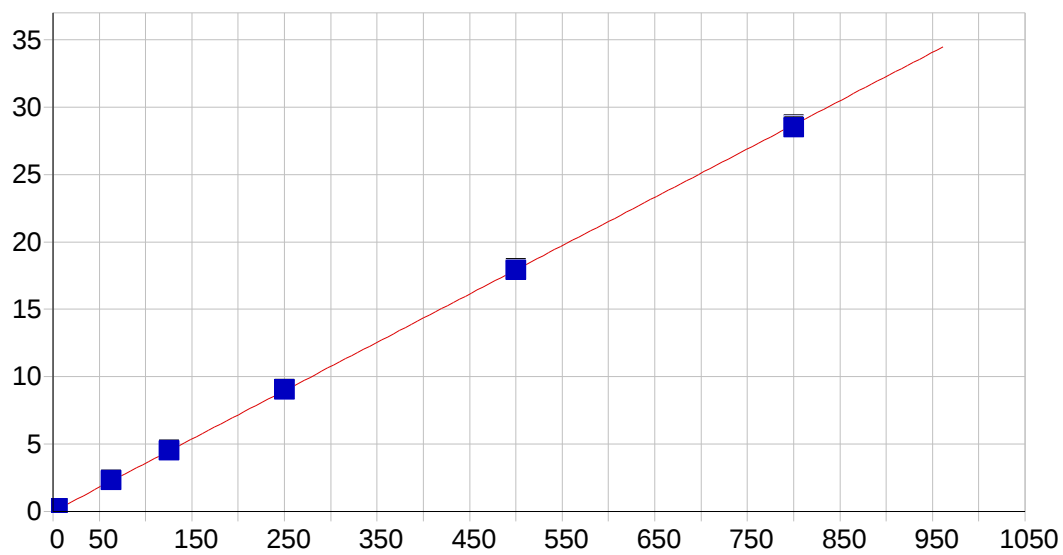


Cd 214.438 {457}

Date of Fit: 8/1/2018 14:58:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000634 Re-Slope: 1.000000
 A1 (Gain): 2.815959 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999979 Status: OK.
 Std Error of Est: 0.000154
 Predicted MDL: 0.000094
 Predicted MQL: 0.000313

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00063	.000	1
S1	.00500	.00631	.001	26.3	.01842	.000	1
S2	.62500	.63008	.005	.813	1.7785	.008	1
S3	1.2500	1.2475	-.002	-.198	3.5209	.015	1
S4	2.5000	2.5020	.002	.079	7.0606	.033	1
S5	5.0000	4.9941	-.006	-.118	14.093	.054	1

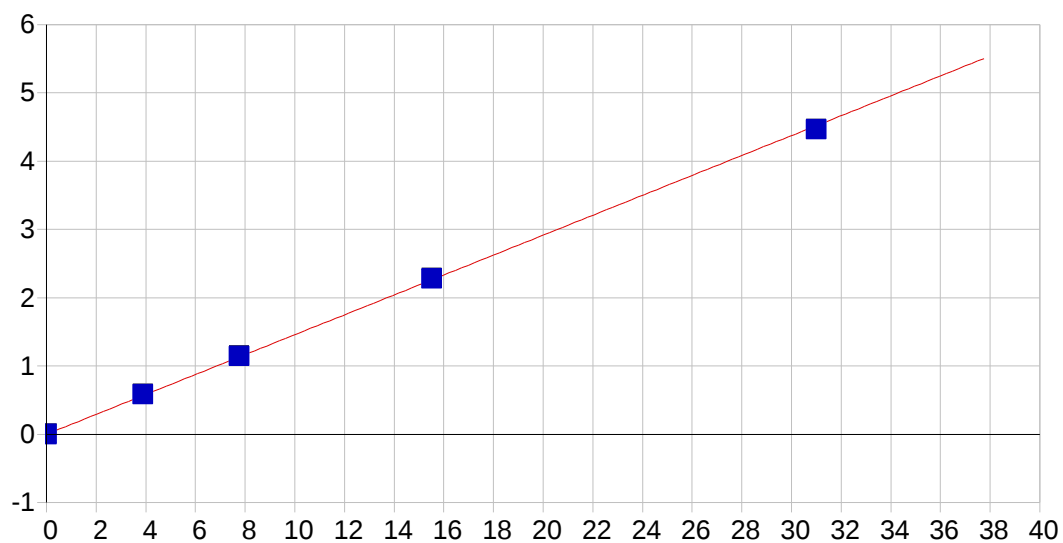


Ca 373.690 { 90}

Date of Fit: 8/1/2018 14:58:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001620 Re-Slope: 1.000000
 A1 (Gain): 0.035858 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999902 Status: OK.
 Std Error of Est: 0.001761
 Predicted MDL: 0.024668
 Predicted MQL: 0.082227

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00122	-.001	.000	.00158	.001	1
S1	5.0000	5.9951	.995	19.9	.21661	.000	1
S2	62.500	64.775	2.28	3.64	2.3323	.004	1
S3	125.00	126.39	1.39	1.11	4.5498	.008	1
S4	250.00	251.54	1.54	.615	9.0532	.031	1
S5	500.00	499.32	-.677	-.135	17.970	.066	1
S6	800.00	794.49	-5.51	-.688	28.661	.052	1



Cr 267.716 {126}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000008

Re-Slope: 1.000000

A1 (Gain): 0.145842

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999872

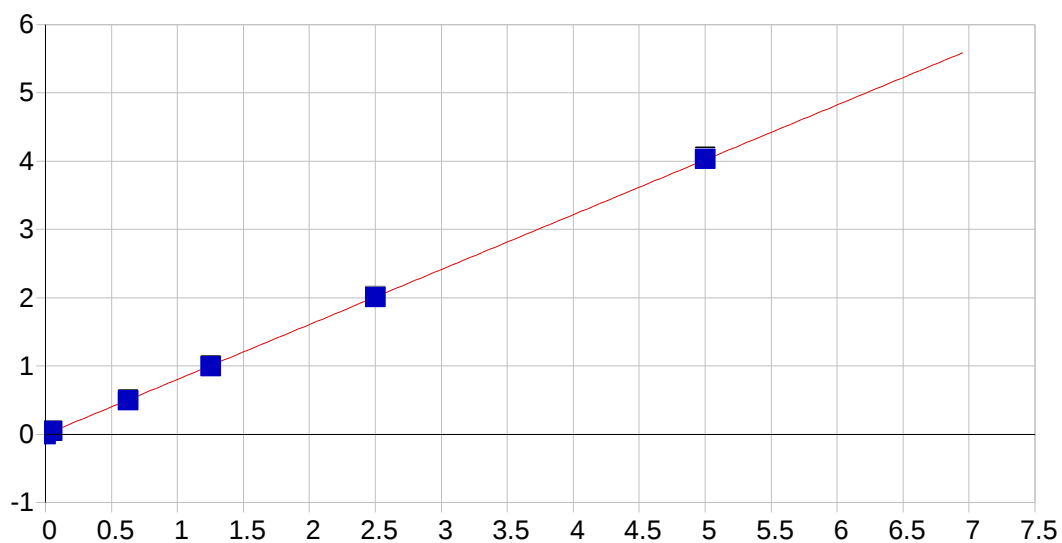
Status: OK.

Std Error of Est: 0.000069

Predicted MDL: 0.000613

Predicted MQL: 0.002044

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00001	.000	1
S1	.01000	.01329	.003	32.9	.00193	.000	1
S2	3.8750	4.0235	.149	3.83	.58779	.002	1
S3	7.7500	7.8680	.118	1.52	1.1495	.004	1
S4	15.500	15.633	.133	.858	2.2839	.003	1
S5	31.000	30.597	-.403	-1.30	4.4703	.003	1



Co 228.616 {448}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000304

Re-Slope: 1.000000

A1 (Gain): 0.804065

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999909

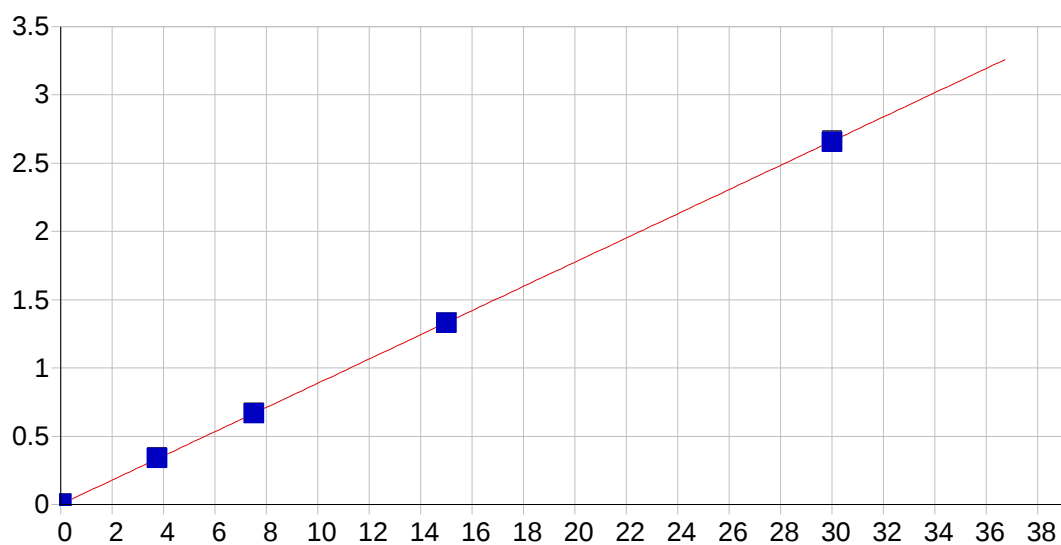
Status: OK.

Std Error of Est: 0.000289

Predicted MDL: 0.000321

Predicted MQL: 0.001069

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	-.00031	.000	1
S1	.05000	.05837	.008	16.7	.04677	.000	1
S2	.62500	.61847	-.007	-1.05	.49798	.003	1
S3	1.2500	1.2346	-.015	-1.23	.99440	.005	1
S4	2.5000	2.4958	-.004	-.169	2.0104	.010	1
S5	5.0000	5.0178	.018	.355	4.0423	.018	1



Cu 324.754 {104}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001603

Re-Slope: 1.000000

A1 (Gain): 0.088670

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999976

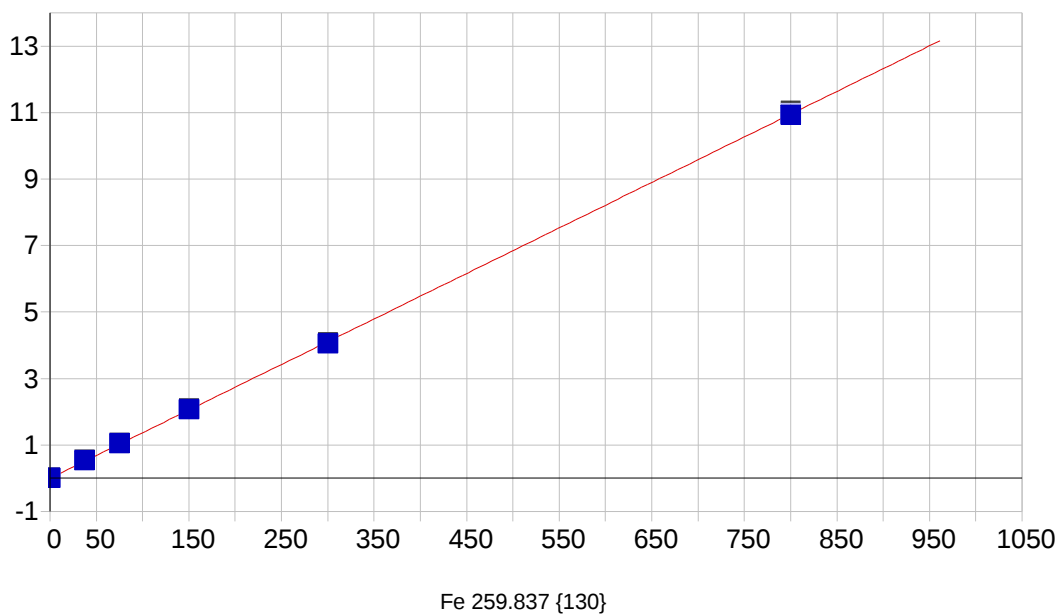
Status: OK.

Std Error of Est: 0.000028

Predicted MDL: 0.006107

Predicted MQL: 0.020358

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.00160	.000	1
S1	.02500	.03117	.006	24.7	.00436	.001	1
S2	3.7500	3.8134	.063	1.69	.33953	.000	1
S3	7.5000	7.5036	.004	.048	.66654	.002	1
S4	15.000	14.980	-.020	-.136	1.3290	.003	1
S5	30.000	29.947	-.053	-.176	2.6554	.006	1



Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000160

Re-Slope: 1.000000

A1 (Gain): 0.013689

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999915

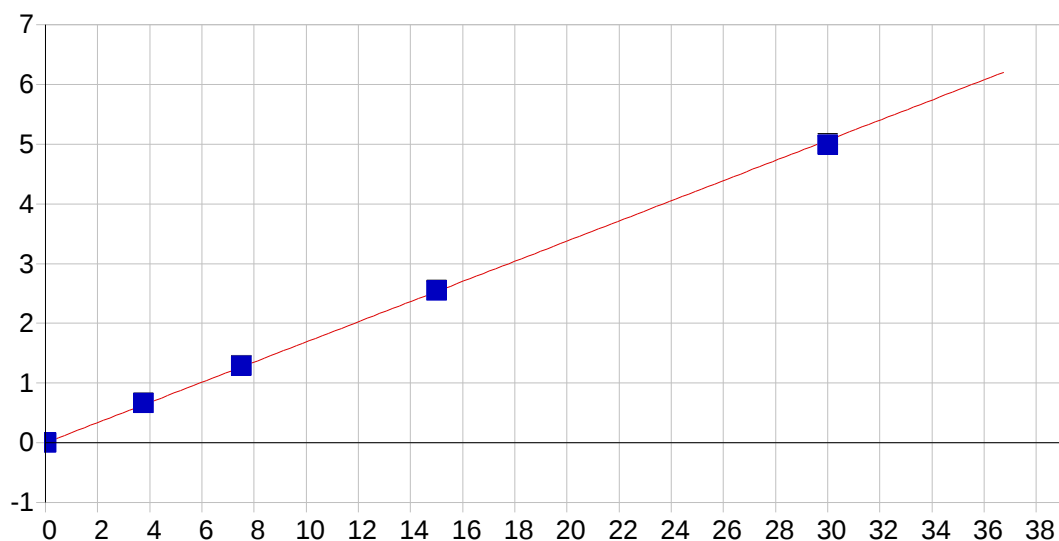
Status: OK.

Std Error of Est: 0.000078

Predicted MDL: 0.021199

Predicted MQL: 0.070662

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00004	.000	.000	.00016	.000	1
S1	.10000	.13410	.034	34.1	.00202	.000	1
S2	37.500	39.537	2.04	5.43	.54414	.001	1
S3	75.000	76.698	1.70	2.26	1.0556	.002	1
S4	150.00	151.54	1.54	1.03	2.0856	.010	1
S5	300.00	295.89	-4.11	-1.37	4.0727	.016	1
S6	800.00	798.79	-1.21	-.151	10.985	.068	1

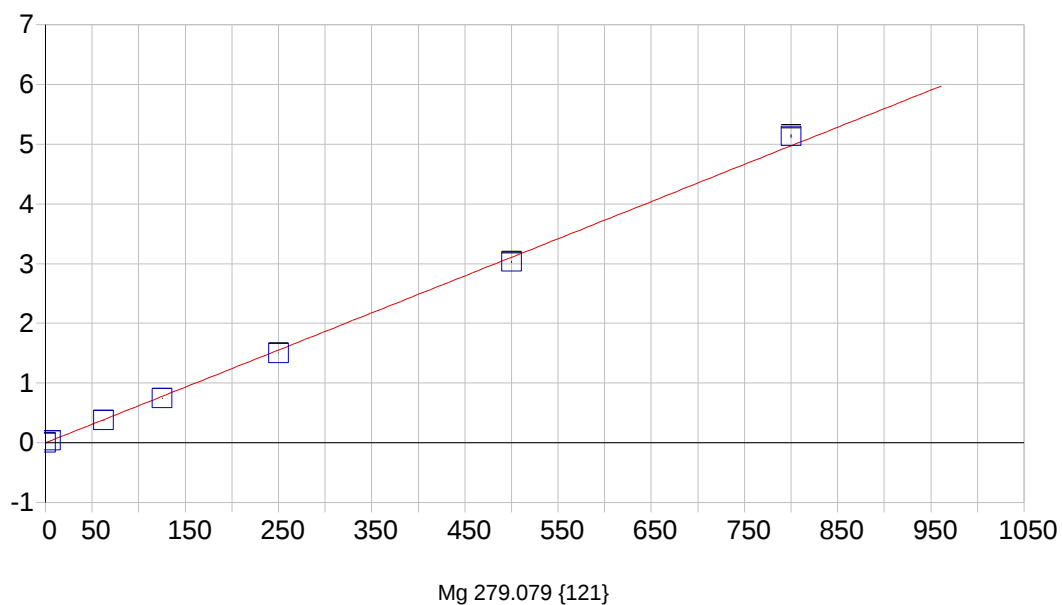


Mn 257.610 {131}

Date of Fit: 8/1/2018 14:58:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000055 Re-Slope: 1.000000
 A1 (Gain): 0.168792 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999809 Status: OK.
 Std Error of Est: 0.000117
 Predicted MDL: 0.001512
 Predicted MQL: 0.005040

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.00005	.000	1
S1	.01500	.02012	.005	34.1	.00345	.000	1
S2	3.7500	3.9416	.192	5.11	.66551	.001	1
S3	7.5000	7.6467	.147	1.96	1.2910	.004	1
S4	15.000	15.098	.098	.653	2.5490	.006	1
S5	30.000	29.559	-.441	-1.47	4.9905	.017	1



Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000392

Re-Slope: 1.000000

A1 (Gain): 0.006214

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999465

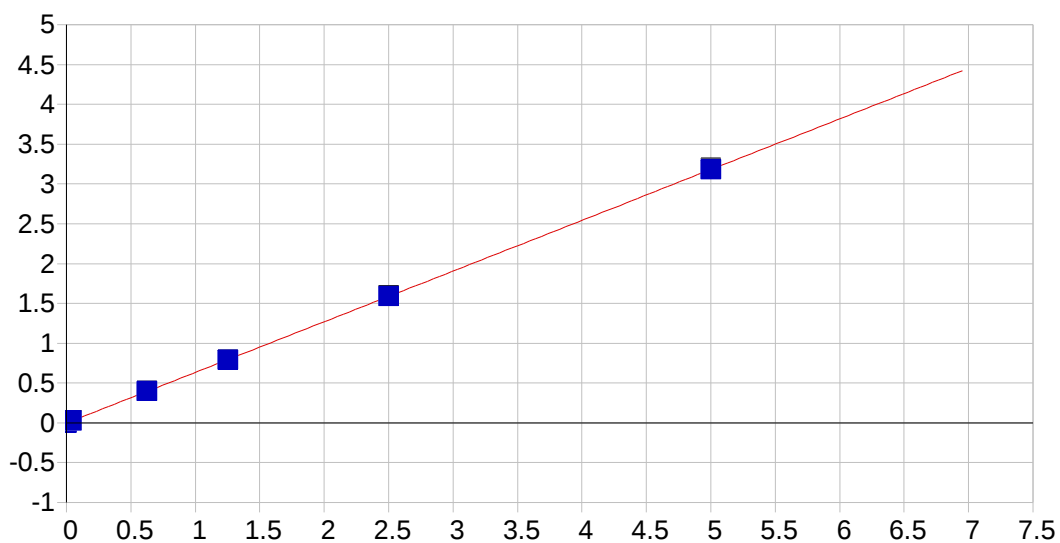
Status: OK.

Std Error of Est: 0.000710

Predicted MDL: 0.058537

Predicted MQL: 0.195123

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00035	.000	.000	-.00039	.000	1
S1	5.0000	5.8254	.825	16.5	.03581	.000	1
S2	62.500	60.789	-1.71	-2.74	.37737	.002	1
S3	125.00	119.60	-5.40	-4.32	.74284	.001	1
S4	250.00	241.89	-8.11	-3.25	1.5027	.006	1
S5	500.00	487.76	-12.2	-2.45	3.0306	.013	1
S6	800.00	826.64	26.6	3.33	5.1365	.027	1

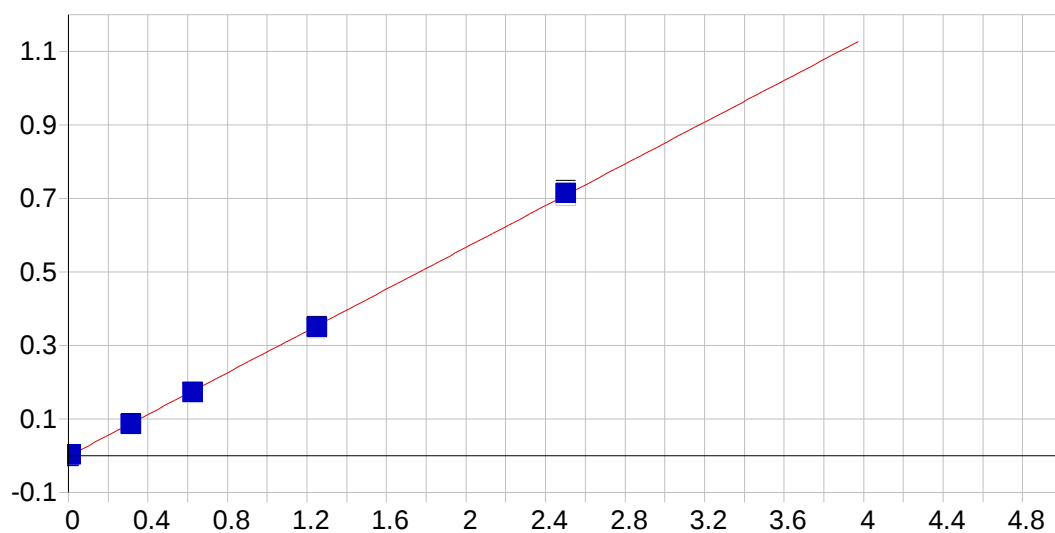


Ni 231.604 {446}

Date of Fit: 8/1/2018 14:58:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002694 Re-Slope: 1.000000
 A1 (Gain): 0.636468 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999900 Status: OK.
 Std Error of Est: 0.000214
 Predicted MDL: 0.000469
 Predicted MQL: 0.001564

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	-.00270	.000	1
S1	.04000	.04859	.009	21.5	.02824	.000	1
S2	.62500	.62521	.000	.033	.39605	.003	1
S3	1.2500	1.2423	-.008	-.616	.78962	.002	1
S4	2.5000	2.5004	.000	.015	1.5920	.007	1
S5	5.0000	4.9985	-.001	-.029	3.1852	.014	1

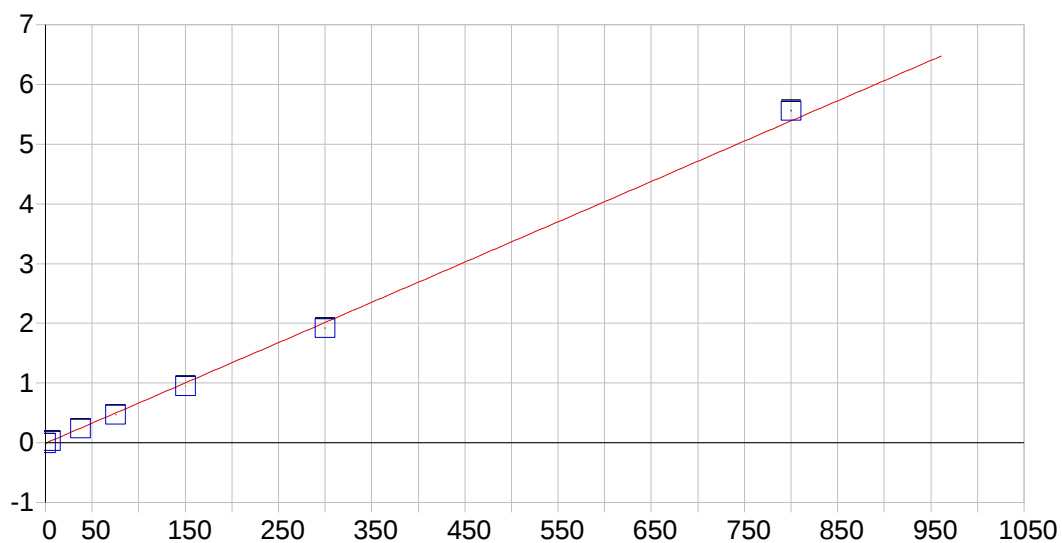


Ag 328.068 {103}

Date of Fit: 8/1/2018 14:58:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001189 Re-Slope: 1.000000
 A1 (Gain): 0.283932 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999874 Status: OK.
 Std Error of Est: 0.000037
 Predicted MDL: 0.000569
 Predicted MQL: 0.001897

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00119	.000	1
S1	.01000	.01239	.002	23.9	.00231	.000	1
S2	.31250	.31032	-.002	-.698	.08578	.000	1
S3	.62500	.61313	-.012	-1.90	.17062	.001	1
S4	1.2500	1.2380	-.012	-.959	.34577	.002	1
S5	2.5000	2.5236	.024	.945	.70625	.006	1



Na 818.326 { 41}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.009219

Re-Slope: 1.000000

A1 (Gain): 0.006746

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999129

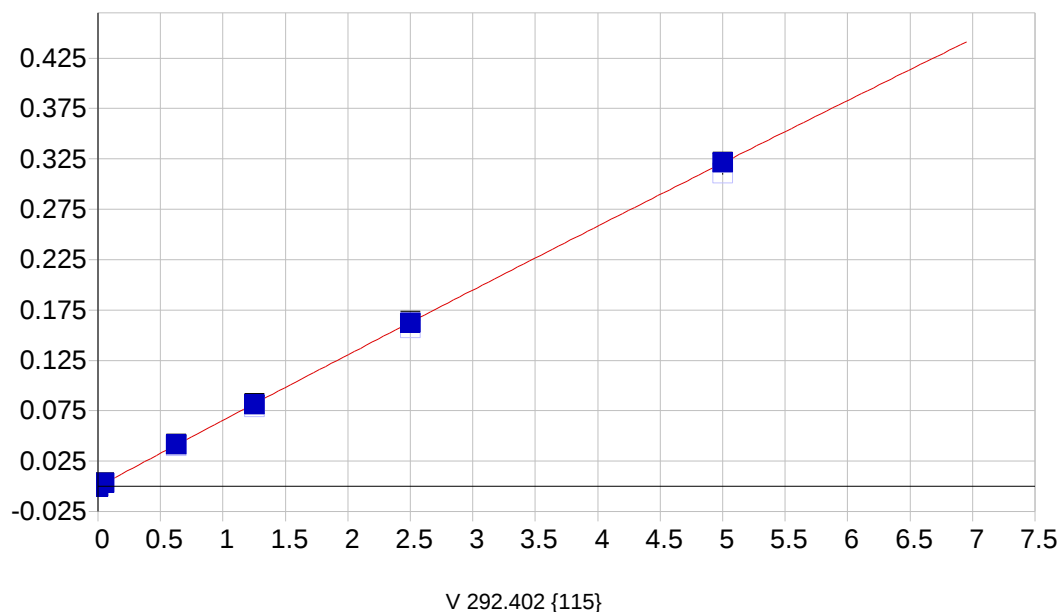
Status: OK.

Std Error of Est: 0.000871

Predicted MDL: 0.347503

Predicted MQL: 1.158345

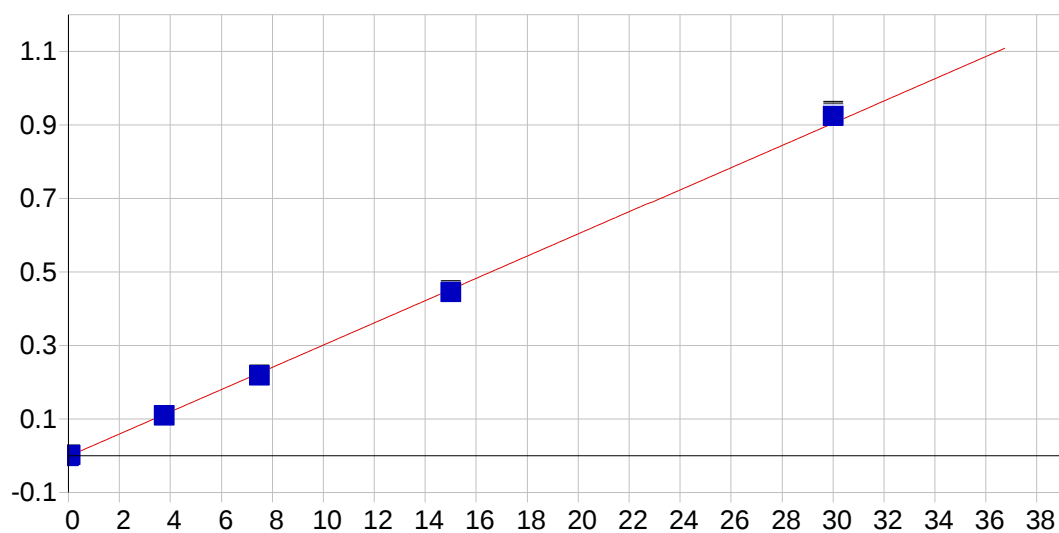
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00033	.000	.000	-.00922	.003	1
S1	5.0000	6.0969	1.10	21.9	.03191	.002	1
S2	37.500	36.268	-1.23	-3.29	.23543	.001	1
S3	75.000	70.872	-4.13	-5.50	.46886	.001	1
S4	150.00	142.12	-7.88	-5.26	.94947	.004	1
S5	300.00	286.29	-13.7	-4.57	1.9220	.009	1
S6	800.00	825.85	25.9	3.23	5.5618	.016	1



Date of Fit: 8/1/2018 14:58:45 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000234 Re-Slope: 1.000000
 A1 (Gain): 0.066140 Y-int: 0.000000
 A2 (Curvature): -0.000379
 n (Exponent): 1.000000
 Correlation: 0.999923 Status: OK.
 Std Error of Est: 0.000024
 Predicted MDL: 0.006536
 Predicted MQL: 0.021788

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	-.00023	.000	1
S1	.05000	.05769	.008	15.4	.00358	.000	1
S2	.62500	.62824	.003	.519	.03981	.001	1
S3	1.2500	1.2400	-.010	-.800	.07847	.001	1
S4	2.5000	2.4933	-.007	-.270	.15686	.001	1
S5	5.0000	5.0056	.006	.112	.31043	.001	1



Zn 213.856 {158}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000756

Re-Slope: 1.000000

A1 (Gain): 0.030189

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999676

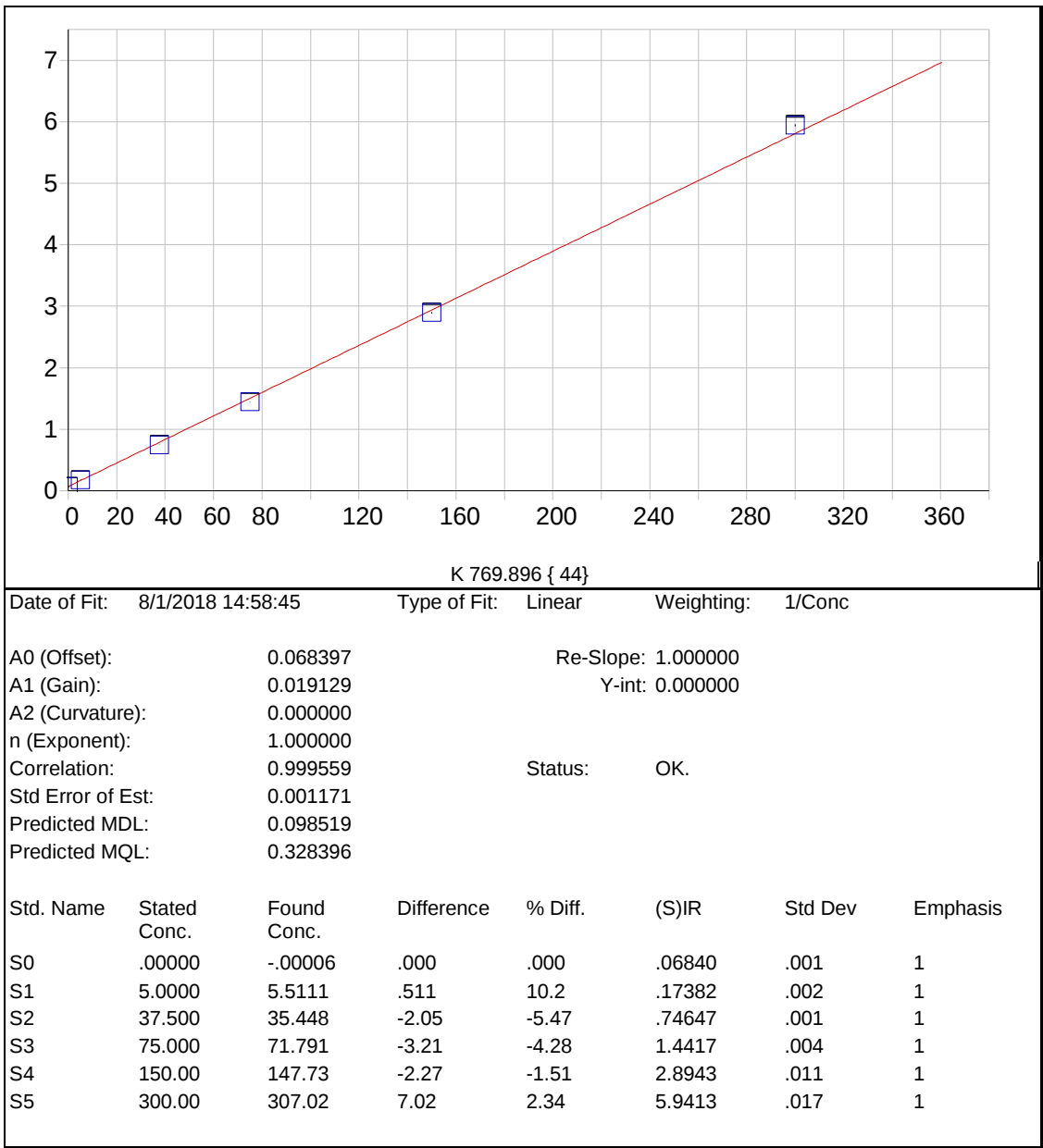
Status: OK.

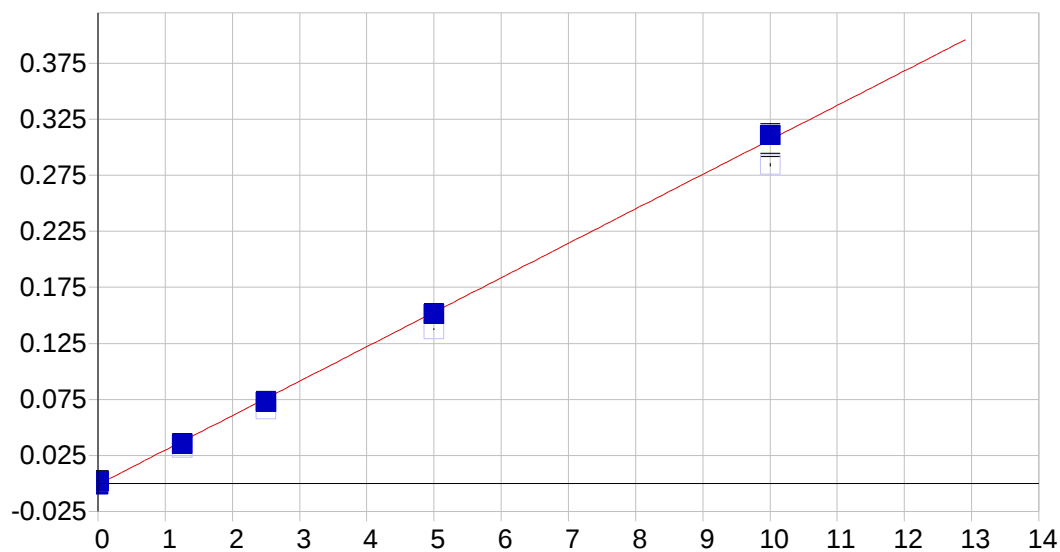
Std Error of Est: 0.000055

Predicted MDL: 0.013959

Predicted MQL: 0.046532

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	-.00076	.000	1
S1	.06000	.07502	.015	25.0	.00152	.000	1
S2	3.7500	3.6151	-.135	-3.60	.10891	.001	1
S3	7.5000	7.2226	-.277	-3.70	.21835	.002	1
S4	15.000	14.752	-.248	-1.65	.44671	.003	1
S5	30.000	30.646	.646	2.15	.92866	.009	1





P 177.495 {490}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000970

Re-Slope: 1.000000

A1 (Gain): 0.030759

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.974449

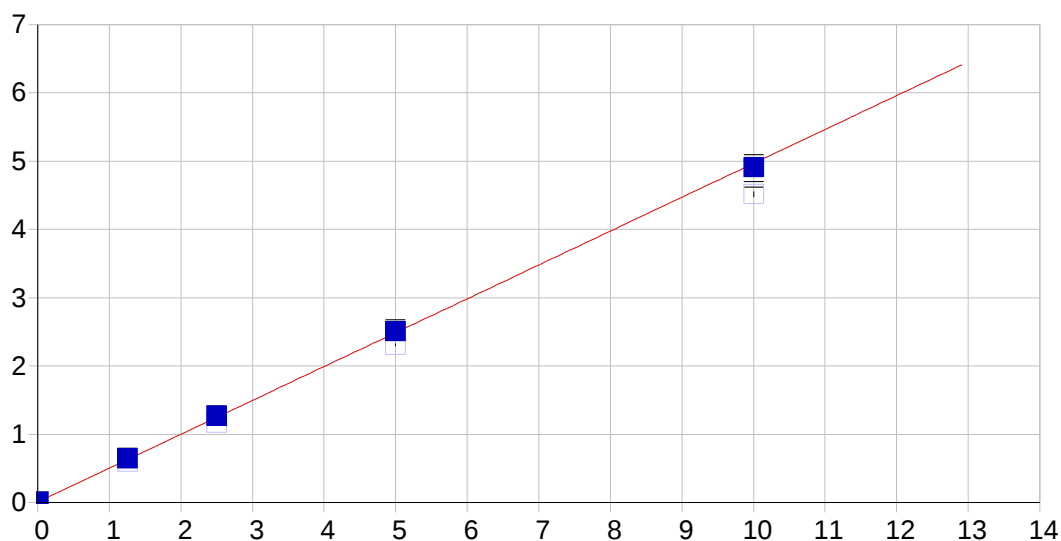
Status: OK.

Std Error of Est: 0.000109

Predicted MDL: 0.003431

Predicted MQL: 0.011438

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00009	.000	.000	-.00097	.000	1
S1	.01000	.10060	.091	906.	.00210	.000	1
S2	1.2500	1.1799	-.070	-5.61	.03201	.000	1
S3	2.5000	2.3993	-.101	-4.03	.06620	.001	1
S4	5.0000	4.9415	-.058	-1.17	.13776	.001	1
S5	10.000	10.137	.137	1.37	.28429	.001	1



B 249.678 {135}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.006489

Re-Slope: 1.000000

A1 (Gain): 0.496219

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999895

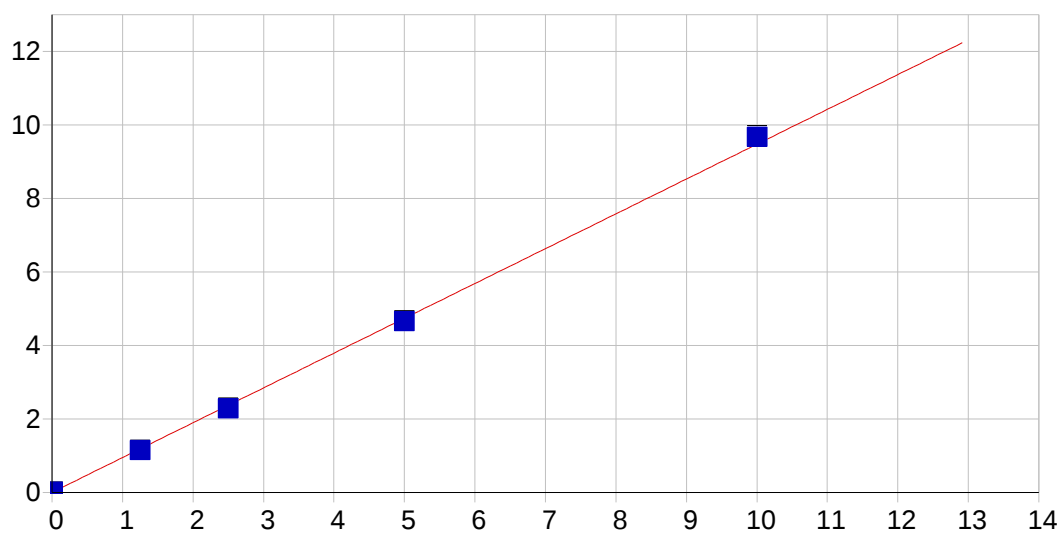
Status: OK.

Std Error of Est: 0.000111

Predicted MDL: 0.001231

Predicted MQL: 0.004103

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00649	.000	1
S1	.01000	.01064	.001	6.41	.01167	.000	1
S2	1.2500	1.2864	.036	2.91	.59568	.006	1
S3	2.5000	2.5393	.039	1.57	1.1683	.005	1
S4	5.0000	5.0388	.039	.776	2.3103	.021	1
S5	10.000	9.8849	-.115	-1.15	4.5185	.042	1



Mo 202.030 {467}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000736

Re-Slope: 1.000000

A1 (Gain): 0.947312

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999735

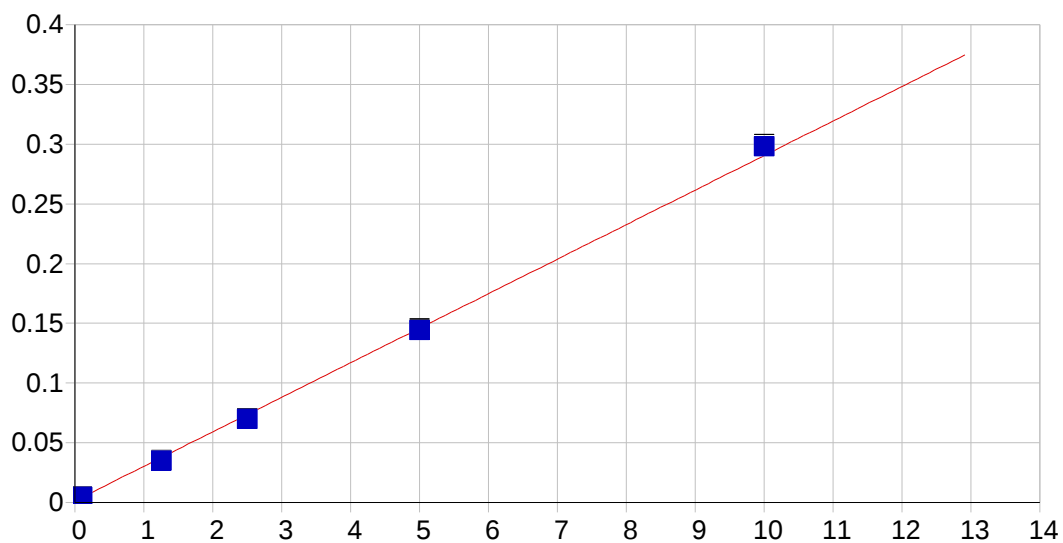
Status: OK.

Std Error of Est: 0.000366

Predicted MDL: 0.000303

Predicted MQL: 0.001011

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00074	.000	1
S1	.01000	.01150	.001	15.0	.01163	.000	1
S2	1.2500	1.2150	-.035	-2.80	1.1517	.003	1
S3	2.5000	2.4127	-.087	-3.49	2.2862	.005	1
S4	5.0000	4.9148	-.085	-1.70	4.6564	.021	1
S5	10.000	10.206	.206	2.06	9.6686	.048	1

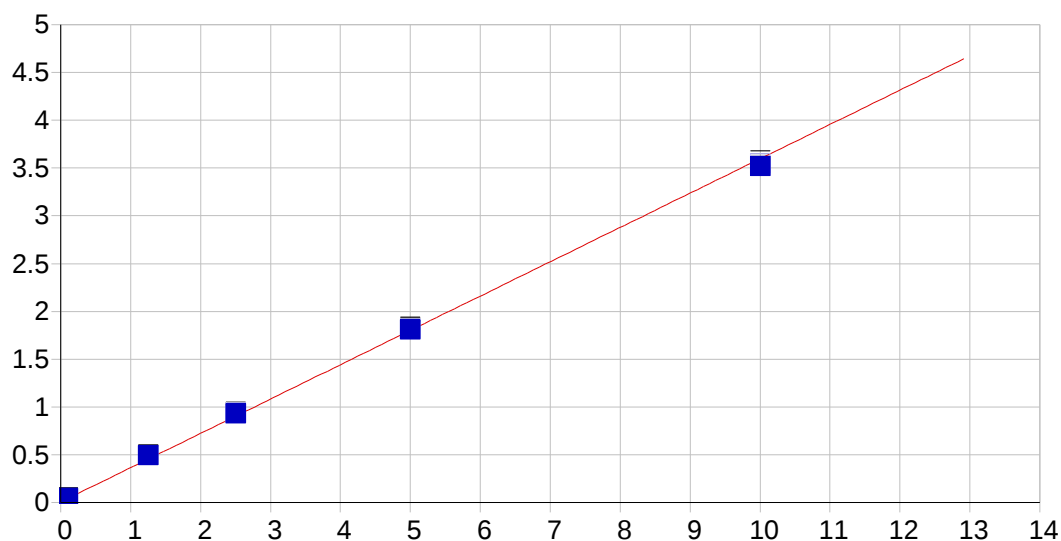


S 182.034 {485}

Date of Fit: 8/1/2018 14:58:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001332 Re-Slope: 1.000000
 A1 (Gain): 0.028910 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999469 Status: OK.
 Std Error of Est: 0.000050
 Predicted MDL: 0.004726
 Predicted MQL: 0.015754

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00133	.000	1
S1	.10000	.10877	.009	8.77	.00448	.000	1
S2	1.2500	1.1656	-.084	-6.75	.03504	.000	1
S3	2.5000	2.3742	-.126	-5.03	.07000	.000	1
S4	5.0000	4.9443	-.056	-1.11	.14432	.001	1
S5	10.000	10.257	.257	2.57	.29797	.002	1

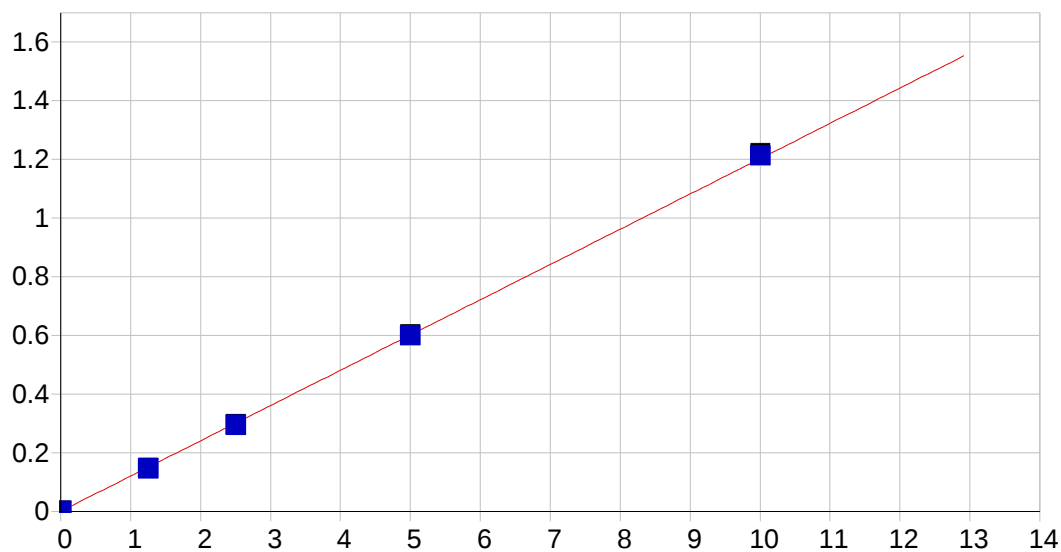


Si 251.611 {134}

Date of Fit: 8/1/2018 14:58:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005059 Re-Slope: 1.000000
 A1 (Gain): 0.359189 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999466 Status: OK.
 Std Error of Est: 0.000629
 Predicted MDL: 0.001498
 Predicted MQL: 0.004992

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	.000	.000	.00505	.000	1
S1	.10000	.12013	.020	20.1	.04833	.001	1
S2	1.2500	1.3549	.105	8.39	.49541	.004	1
S3	2.5000	2.5825	.083	3.30	.94003	.005	1
S4	5.0000	5.0127	.013	.254	1.8203	.017	1
S5	10.000	9.7798	-.220	-2.20	3.5473	.029	1



Sn 189.989 {478}

Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000415

Re-Slope: 1.000000

A1 (Gain): 0.120249

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999909

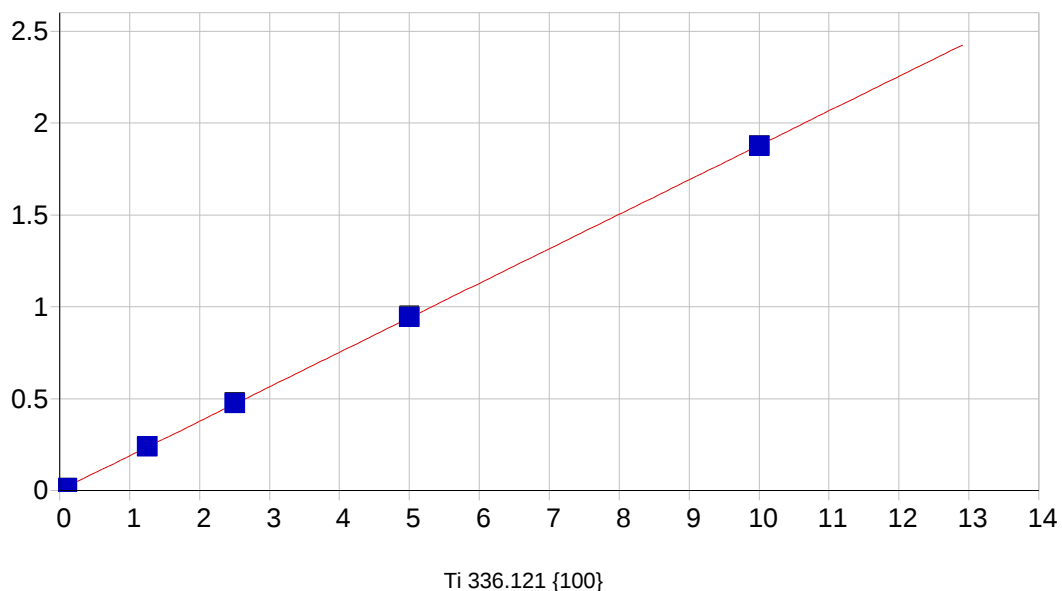
Status: OK.

Std Error of Est: 0.000023

Predicted MDL: 0.001142

Predicted MQL: 0.003806

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00041	.000	1
S1	.00700	.00877	.002	25.3	.00144	.000	1
S2	1.2500	1.2153	-.035	-2.78	.14622	.001	1
S3	2.5000	2.4492	-.051	-2.03	.29426	.002	1
S4	5.0000	4.9875	-.013	-.251	.59883	.003	1
S5	10.000	10.096	.096	.964	1.2118	.006	1



Date of Fit: 8/1/2018 14:58:45

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001134

Re-Slope: 1.000000

A1 (Gain): 0.187710

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999556

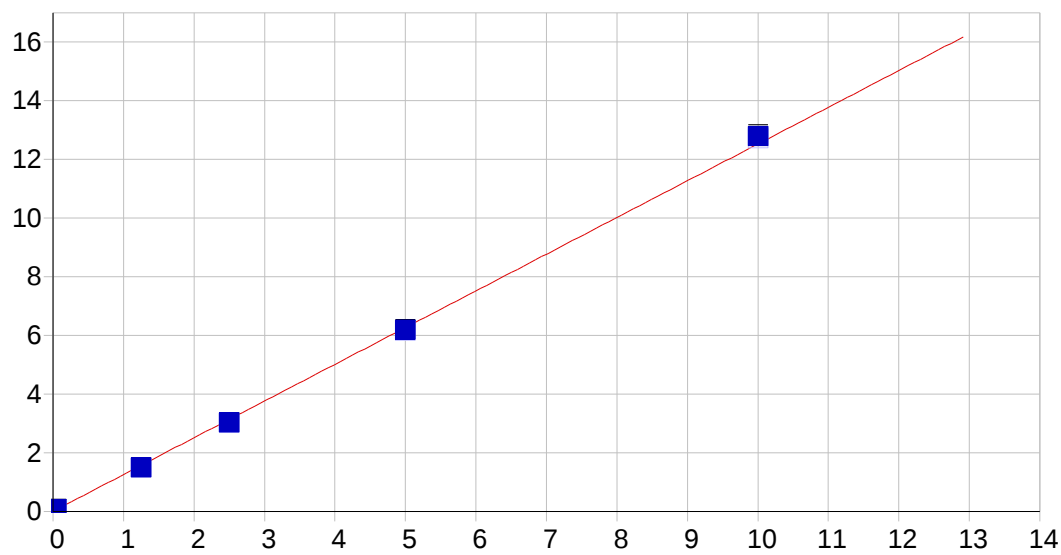
Status: OK.

Std Error of Est: 0.000297

Predicted MDL: 0.003226

Predicted MQL: 0.010753

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00004	.000	.000	.00114	.000	1
S1	.10000	.05981	-.040	-40.2	.01236	.001	1
S2	1.2500	1.2703	.020	1.62	.23949	.001	1
S3	2.5000	2.5196	.020	.784	.47391	.002	1
S4	5.0000	5.0167	.017	.333	.94246	.006	1
S5	10.000	9.9837	-.016	-.163	1.8745	.004	1



Li 670.784 { 50}

Date of Fit: 8/1/2018 14:58:45 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008718 Re-Slope: 1.000000
 A1 (Gain): 1.251966 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999691 Status: OK.
 Std Error of Est: 0.001162
 Predicted MDL: 0.002001
 Predicted MQL: 0.006670

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00872	.001	1
S5	10.000	10.210	.210	2.10	12.721	.050	1
S4	5.0000	4.9328	-.067	-1.34	6.1492	.021	1
S3	2.5000	2.4086	-.091	-3.66	3.0066	.009	1
S2	1.2500	1.1941	-.056	-4.47	1.4949	.002	1
S1	.05000	.05406	.004	8.13	.07628	.002	1



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

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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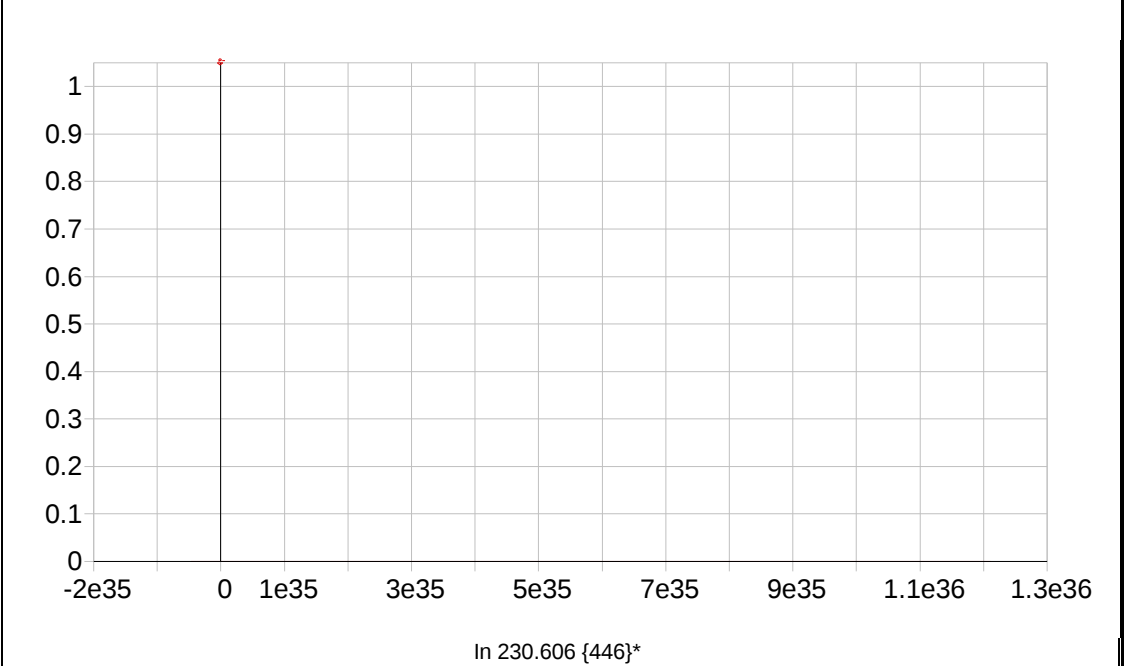
A0 (Offset):	0.000000	Re-Slope: 1.000000
A1 (Gain):	0.000000	Y-int: 0.000000



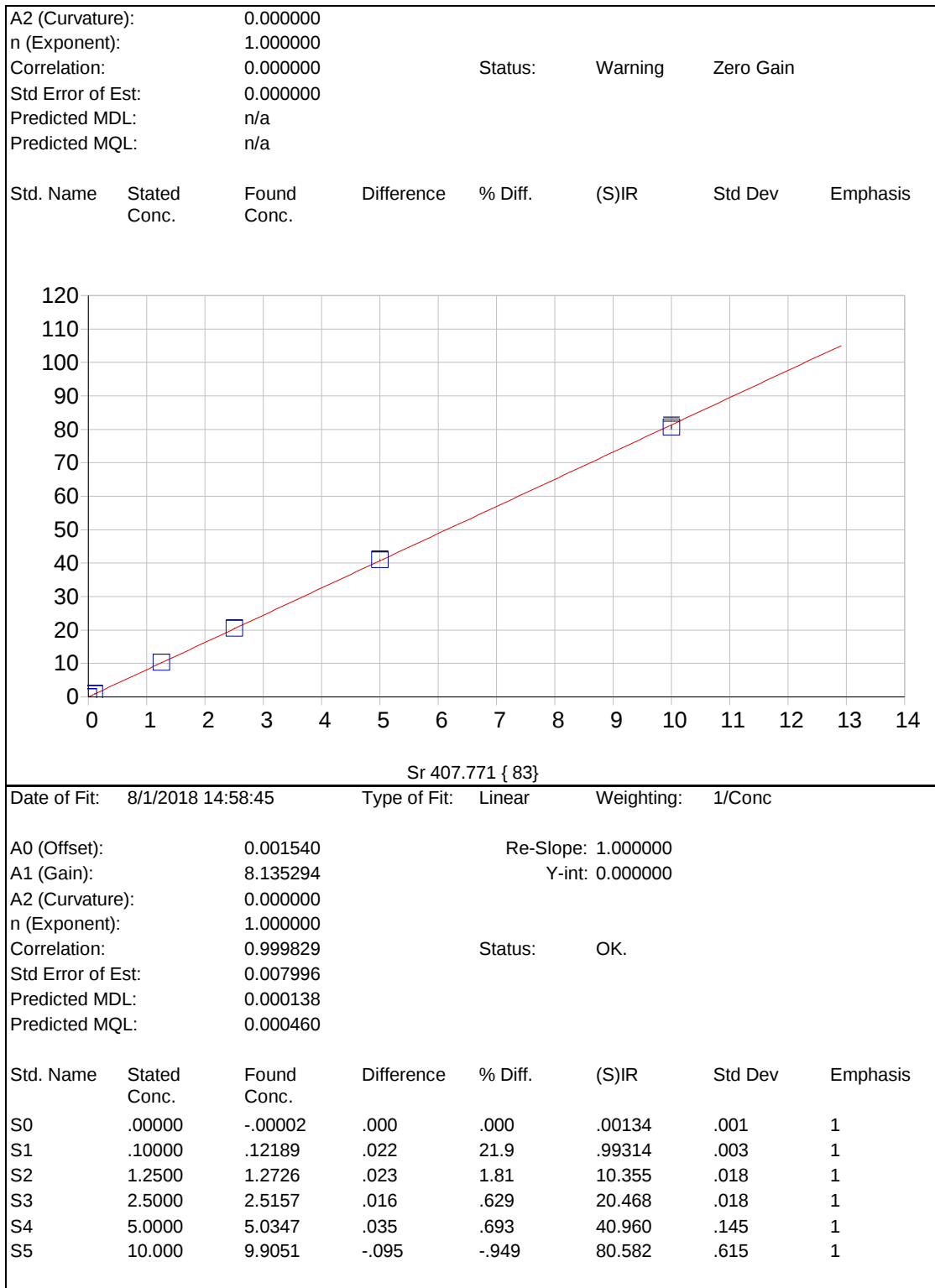


A0 (Offset):	0.000000	Re-Slope: 1.000000
A1 (Gain):	0.000000	Y-int: 0.000000
A2 (Curvature):	0.000000	
n (Exponent):	1.000000	
Correlation:	0.000000	Status: Warning Zero Gain
Std Error of Est:	0.000000	
Predicted MDL:	n/a	
Predicted MQL:	n/a	

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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A0 (Offset):	0.000000	Re-Slope: 1.000000
A1 (Gain):	0.000000	Y-int: 0.000000



Sample Name: S0 Acquired: 8/1/2018 14:27:04 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S00 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00028	-.00052	-.00019	.00045	.00088	.00393	.00718	-.00173
Stddev	.00006	.00016	.00016	.00007	.00010	.00107	.00255	.00033
%RSD	22.305	30.958	88.421	16.189	10.798	27.106	35.586	19.064

#1	-.00028	-.00036	-.00028	.00048	.00095	.00463	.00932	-.00190
#2	-.00022	-.00068	-.00028	.00036	.00092	.00270	.00435	-.00135
#3	-.00034	-.00051	.00000	.00050	.00077	.00446	.00786	-.00194

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	.00063	.00158	-.00001	-.00031	.00160	.00016	.00005	-.00039
Stddev	.00026	.00074	.00007	.00013	.00050	.00040	.00034	.00029
%RSD	41.306	47.130	885.03	42.379	30.989	247.90	642.65	73.050

#1	.00066	.00080	-.00008	-.00025	.00106	.00024	-.00012	-.00052
#2	.00087	.00228	.00006	-.00022	.00204	.00051	-.00017	-.00060
#3	.00036	.00165	-.00001	-.00046	.00170	-.00027	.00045	-.00006

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	-.00270	-.00119	-.00922	-.00023	-.00076	.06840	-.00097	.00649
Stddev	.00019	.00014	.00317	.00011	.00030	.00087	.00003	.00020
%RSD	7.1191	12.048	34.359	48.155	39.079	1.2745	3.2877	3.0747

#1	-.00268	-.00108	-.00561	-.00018	-.00067	.06821	-.00094	.00626
#2	-.00290	-.00114	-.01053	-.00015	-.00109	.06763	-.00099	.00661
#3	-.00252	-.00135	-.01152	-.00036	-.00051	.06935	-.00099	.00660

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	.00074	.00133	.00505	.00041	.00114	.00872	.00134	
Stddev	.00017	.00006	.00030	.00007	.00048	.00096	.00086	
%RSD	22.907	4.3199	5.9136	17.539	41.788	10.998	64.283	

#1	.00074	.00138	.00498	.00050	.00152	.00848	.00035	
#2	.00057	.00134	.00479	.00036	.00060	.00977	.00193	
#3	.00090	.00127	.00538	.00038	.00130	.00790	.00175	

Sample Name: S0 Acquired: 8/1/2018 14:27:04 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S00 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1852.5	2309.0	42689.	5135.6	3330.7
Stddev	17.3	3.7	185.	39.2	5.0
%RSD	.93382	.16109	.43323	.76357	.14896
#1	1868.4	2311.9	42620.	5148.7	3334.6
#2	1834.1	2310.4	42549.	5166.7	3332.3
#3	1855.0	2304.8	42898.	5091.6	3325.1

Sample Name: S1 Acquired: 8/1/2018 14:31:12 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) 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	.00022	.00109	.00154	.00402	.01408	.01967	.82725	.04400
Stddev	.00003	.00010	.00008	.00017	.00021	.00066	.00574	.00030
%RSD	11.477	9.1833	5.1752	4.1664	1.4919	3.3648	.69357	.68322

#1	.00021	.00098	.00159	.00395	.01383	.01890	.82082	.04419
#2	.00021	.00111	.00158	.00421	.01421	.02001	.82909	.04414
#3	.00025	.00118	.00145	.00391	.01419	.02009	.83185	.04365

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	.01842	.21661	.00193	.04677	.00436	.00202	.00345	.03581
Stddev	.00012	.00049	.00007	.00005	.00054	.00015	.00038	.00008
%RSD	.63872	.22539	3.4240	.11368	12.439	7.5001	10.970	.21387

#1	.01832	.21674	.00189	.04683	.00472	.00213	.00315	.03587
#2	.01840	.21608	.00201	.04676	.00374	.00209	.00333	.03583
#3	.01855	.21703	.00190	.04673	.00463	.00185	.00388	.03572

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	.02824	.00231	.03191	.00358	.00152	.17382	.00210	.01167
Stddev	.00019	.00013	.00211	.00027	.00018	.00230	.00007	.00046
%RSD	.67673	5.7434	6.6064	7.4663	12.140	1.3253	3.1187	3.9484

#1	.02826	.00218	.03376	.00377	.00145	.17125	.00218	.01166
#2	.02804	.00230	.03236	.00327	.00137	.17570	.00209	.01214
#3	.02842	.00245	.02961	.00369	.00172	.17450	.00205	.01121

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	.01163	.00448	.04833	.00144	.01236	.07628	.99314	
Stddev	.00044	.00008	.00091	.00003	.00061	.00231	.00294	
%RSD	3.8102	1.8022	1.8844	2.2271	4.9143	3.0343	.29634	

#1	.01122	.00439	.04804	.00140	.01172	.07705	.99155	
#2	.01210	.00454	.04935	.00146	.01242	.07368	.99134	
#3	.01156	.00450	.04761	.00145	.01293	.07811	.99654	

Sample Name: S1 Acquired: 8/1/2018 14:31:12 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1871.0	2313.8	42916.	5142.8	3365.8
Stddev	6.8	8.8	137.	25.4	5.2
%RSD	.36530	.38045	.31816	.49485	.15338
#1	1878.9	2320.8	43070.	5154.7	3371.3
#2	1866.8	2316.6	42872.	5113.6	3365.1
#3	1867.4	2303.9	42807.	5160.1	3361.1

Sample Name: S2 Acquired: 8/1/2018 14:35:20 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) 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	.04422	.06785	.92168	.10001	.23062	2.4271	8.5471	.90667
Stddev	.00044	.00030	.00486	.00029	.00067	.0051	.0168	.00523
%RSD	1.0052	.43908	.52755	.28692	.28966	.21067	.19601	.57660

#1	.04443	.06785	.92059	.09979	.22998	2.4230	8.5613	.90539
#2	.04371	.06815	.91746	.09990	.23057	2.4328	8.5286	.91242
#3	.04452	.06755	.92700	.10033	.23131	2.4256	8.5513	.90220

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	1.7785	2.3323	.58779	.49798	.33953	.54414	.66551	.37737
Stddev	.0081	.0044	.00164	.00251	.00033	.00116	.00103	.00183
%RSD	.45776	.18685	.27848	.50421	.09629	.21228	.15437	.48393

#1	1.7756	2.3351	.58603	.49685	.33990	.54325	.66638	.37898
#2	1.7723	2.3346	.58810	.49623	.33934	.54545	.66577	.37538
#3	1.7877	2.3273	.58926	.50085	.33934	.54373	.66437	.37774

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	.39605	.08578	.23543	.03981	.10891	.74647	.03201	.59568
Stddev	.00268	.00049	.00096	.00058	.00078	.00066	.00018	.00551
%RSD	.67593	.56934	.40858	1.4494	.71944	.08884	.56978	.92572

#1	.39408	.08577	.23553	.03984	.10932	.74585	.03190	.59672
#2	.39496	.08628	.23634	.04036	.10940	.74638	.03190	.60059
#3	.39909	.08530	.23443	.03921	.10801	.74717	.03222	.58971

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	1.1517	.03504	.49541	.14622	.23949	1.4949	10.355	
Stddev	.0033	.00041	.00403	.00108	.00051	.0017	.018	
%RSD	.28605	1.1636	.81373	.74141	.21396	.11254	.17252	

#1	1.1491	.03531	.49568	.14534	.23987	1.4946	10.363	
#2	1.1505	.03457	.49930	.14588	.23969	1.4934	10.368	
#3	1.1554	.03524	.49125	.14743	.23890	1.4967	10.334	

Sample Name: S2 Acquired: 8/1/2018 14:35:20 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1780.6	2209.6	41706.	5053.6	3142.2
Stddev	5.8	2.7	36.	32.1	8.2
%RSD	.32434	.12036	.08580	.63453	.26224
#1	1778.1	2210.0	41740.	5046.7	3143.1
#2	1776.6	2212.0	41709.	5025.5	3149.9
#3	1787.3	2206.7	41669.	5088.5	3133.5

Sample Name: S3 Acquired: 8/1/2018 14:39:14 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) 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	.08909	.13490	1.8410	.19702	.45685	4.8387	16.898	1.7565
Stddev	.00031	.00055	.0079	.00066	.00042	.0262	.023	.0051
%RSD	.35231	.40934	.42691	.33653	.09126	.54129	.13863	.29030

#1	.08890	.13426	1.8323	.19625	.45668	4.8146	16.873	1.7513
#2	.08891	.13524	1.8431	.19743	.45654	4.8665	16.919	1.7614
#3	.08945	.13519	1.8476	.19737	.45732	4.8349	16.901	1.7568

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	3.5209	4.5498	1.1495	.99440	.66654	1.0556	1.2910	.74284
Stddev	.0153	.0075	.0037	.00484	.00211	.0019	.0044	.00070
%RSD	.43348	.16535	.32325	.48646	.31695	.18127	.34088	.09462

#1	3.5051	4.5424	1.1517	.98988	.66534	1.0534	1.2863	.74296
#2	3.5220	4.5575	1.1452	.99382	.66897	1.0563	1.2919	.74348
#3	3.5355	4.5493	1.1515	.99950	.66529	1.0570	1.2949	.74209

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	.78962	.17062	.46886	.07847	.21835	1.4417	.06620	1.1683
Stddev	.00223	.00092	.00123	.00085	.00180	.0042	.00057	.0054
%RSD	.28272	.54172	.26195	1.0785	.82228	.28994	.86039	.46572

#1	.78772	.17007	.46982	.07772	.21664	1.4384	.06561	1.1623
#2	.78907	.17011	.46748	.07939	.22022	1.4464	.06675	1.1730
#3	.79208	.17169	.46929	.07830	.21818	1.4402	.06623	1.1695

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	2.2862	.07000	.94003	.29426	.47391	3.0066	20.468
Stddev	.0055	.00039	.00464	.00171	.00244	.0095	.018
%RSD	.23857	.55136	.49405	.58027	.51574	.31492	.08816

#1	2.2806	.06964	.93615	.29229	.47142	2.9958	20.450
#2	2.2865	.07041	.94518	.29516	.47630	3.0135	20.486
#3	2.2915	.06994	.93876	.29533	.47401	3.0106	20.466

Sample Name: S3 Acquired: 8/1/2018 14:39:14 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S03 Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1751.7	2143.6	41317.	5029.3	3009.2
Stddev	10.5	6.0	179.	6.0	11.9
%RSD	.59795	.27892	.43419	.11934	.39514
#1	1763.5	2148.9	41334.	5035.9	3022.7
#2	1743.5	2144.7	41486.	5024.2	3004.7
#3	1748.1	2137.1	41129.	5027.6	3000.3

Sample Name: S4 Acquired: 8/1/2018 14:43:07 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) 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	.18281	.26880	3.7439	.39135	.92914	9.8783	33.904	3.4448
Stddev	.00067	.00202	.0159	.00188	.00496	.0408	.126	.0281
%RSD	.36861	.75174	.42497	.48119	.53353	.41337	.37273	.81470

#1	.18209	.26757	3.7342	.38932	.92405	9.8343	33.902	3.4236
#2	.18291	.26770	3.7353	.39167	.92944	9.9150	34.032	3.4342
#3	.18343	.27113	3.7623	.39305	.93395	9.8854	33.779	3.4766

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	7.0606	9.0532	2.2839	2.0104	1.3290	2.0856	2.5490	1.5027
Stddev	.0328	.0310	.0033	.0101	.0033	.0096	.0065	.0057
%RSD	.46423	.34219	.14370	.50206	.24899	.46143	.25292	.38171

#1	7.0389	9.0550	2.2875	2.0026	1.3257	2.0932	2.5514	1.5056
#2	7.0445	9.0833	2.2832	2.0069	1.3323	2.0889	2.5540	1.5065
#3	7.0983	9.0214	2.2811	2.0218	1.3290	2.0748	2.5417	1.4961

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	1.5920	.34577	.94947	.15686	.44671	2.8943	.13776	2.3103
Stddev	.0072	.00206	.00433	.00138	.00319	.0114	.00071	.0209
%RSD	.45276	.59622	.45613	.88278	.71369	.39273	.51733	.90436

#1	1.5870	.34461	.94923	.15806	.44415	2.8842	.13714	2.2994
#2	1.5887	.34455	.95391	.15717	.44570	2.9066	.13760	2.2971
#3	1.6003	.34815	.94526	.15535	.45028	2.8921	.13854	2.3344

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	4.6564	.14432	1.8203	.59883	.94246	6.1492	40.960	
Stddev	.0206	.00105	.0173	.00257	.00611	.0211	.145	
%RSD	.44215	.72769	.95154	.42870	.64827	.34362	.35314	

#1	4.6405	.14353	1.8076	.59805	.93782	6.1325	40.891	
#2	4.6490	.14392	1.8132	.59673	.94938	6.1730	41.126	
#3	4.6796	.14551	1.8400	.60169	.94017	6.1423	40.862	

Sample Name: S4 Acquired: 8/1/2018 14:43:07 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1682.7	2025.3	40436.	4973.5	2829.4
Stddev	10.3	4.9	67.	19.7	7.2
%RSD	.61065	.24426	.16548	.39545	.25379
#1	1685.4	2030.9	40460.	4986.5	2832.9
#2	1691.4	2023.2	40488.	4983.1	2834.2
#3	1671.3	2021.8	40361.	4950.8	2821.2

Sample Name: S5 Acquired: 8/1/2018 14:46:56 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) 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	.38460	.52560	7.5833	.77690	1.9423	20.137	67.622	6.7691
Stddev	.00219	.00089	.0417	.00353	.0118	.022	.180	.0535
%RSD	.57024	.17008	.55002	.45396	.60836	.10873	.26560	.79080

#1	.38421	.52482	7.5626	.77598	1.9356	20.137	67.549	6.7279
#2	.38262	.52539	7.5559	.77393	1.9354	20.115	67.491	6.7498
#3	.38696	.52658	7.6313	.78080	1.9560	20.159	67.827	6.8296

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	14.093	17.970	4.4703	4.0423	2.6554	4.0727	4.9905	3.0306
Stddev	.054	.066	.0032	.0184	.0064	.0163	.0169	.0127
%RSD	.38327	.36989	.07121	.45484	.24029	.40110	.33946	.41774

#1	14.050	17.931	4.4735	4.0273	2.6508	4.0591	4.9764	3.0180
#2	14.075	17.933	4.4672	4.0367	2.6526	4.0683	4.9857	3.0306
#3	14.153	18.047	4.4704	4.0628	2.6626	4.0908	5.0093	3.0433

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.1852	.70625	1.9220	.31043	.92866	5.9413	.28429	4.5185
Stddev	.0140	.00639	.0091	.00081	.00881	.0166	.00145	.0418
%RSD	.44044	.90455	.47304	.26192	.94899	.27984	.50971	.92509

#1	3.1772	.70430	1.9136	.30950	.93347	5.9275	.28275	4.4986
#2	3.1771	.70106	1.9208	.31077	.91849	5.9368	.28448	4.4904
#3	3.2014	.71338	1.9317	.31101	.93402	5.9598	.28563	4.5666

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	9.6686	.29797	3.5473	1.2118	1.8745	12.721	80.582	
Stddev	.0483	.00189	.0291	.0059	.0036	.050	.615	
%RSD	.49958	.63442	.82170	.48237	.18962	.39207	.76316	

#1	9.6454	.29676	3.5281	1.2089	1.8769	12.682	80.247	
#2	9.6363	.29700	3.5330	1.2080	1.8704	12.705	80.207	
#3	9.7241	.30015	3.5808	1.2186	1.8761	12.777	81.292	

Sample Name: S5 Acquired: 8/1/2018 14:46:56 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1566.3	1850.7	39175.	4909.0	2629.6
Stddev	10.3	4.5	86.	10.9	6.1
%RSD	.65599	.24468	.21899	.22218	.23238
#1	1571.8	1852.8	39143.	4920.7	2634.7
#2	1572.7	1853.8	39272.	4907.1	2631.3
#3	1554.5	1845.5	39110.	4899.2	2622.8

Sample Name: S6 Acquired: 8/1/2018 14:50:52 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) 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	54.788	28.661	10.985	5.1365	5.5618
Stddev	.037	.052	.068	.0274	.0155
%RSD	.06795	.18010	.61782	.53359	.27905

#1	54.818	28.644	10.931	5.1135	5.5569
#2	54.800	28.620	10.962	5.1292	5.5493
#3	54.747	28.719	11.061	5.1668	5.5791

Int. Std.	Y_3710
Units	Cts/S
Avg	4765.6
Stddev	7.0
%RSD	.14605

#1	4758.0
#2	4771.7
#3	4767.1

Sample Name: ICV Acquired: 8/1/2018 14:54:59 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.025217	1.127550	1.043199	1.084405	1.027232	2.487539
Stddev	.008202	.002363	.004663	.004733	.003204	.008745
%RSD	.8000581	.2095686	.4469652	.4365023	.3119490	.3515717

#1	1.025966	1.128383	1.043454	1.081712	1.026606	2.489067
#2	1.016665	1.124883	1.038414	1.081633	1.024386	2.495419
#3	1.033019	1.129384	1.047729	1.089871	1.030703	2.478130

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5458053	F .5479131	.5370196	10.74059	F .5673760	.5283218
Stddev	.0015783	.0034020	.0017366	.05227	.0007075	.0024725
%RSD	.2891745	.6209014	.3233786	.4866505	.1246933	.4679908

#1	.5461033	.5513518	.5358989	10.73306	.5668888	.5268362
#2	.5472134	.5478386	.5361398	10.79622	.5670518	.5269533
#3	.5440993	.5445490	.5390200	10.69250	.5681875	.5311761

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .5645506	F 5.741395	F .5640508	6.133182	.5401143	.5214166
Stddev	.0054018	.039752	.0036811	.083093	.0019401	.0044695
%RSD	.9568301	.6923803	.6526130	1.354806	.3592094	.8571834

#1	.5700878	5.782197	.5681590	6.178222	.5379876	.5263598
#2	.5642686	5.739204	.5629413	6.184030	.5405677	.5202295
#3	.5592953	5.702783	.5610521	6.037293	.5417876	.5176605

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.70103	.5427039	1.035297	9.635007	F .0193696	F .0154872
Stddev	.33168	.0035002	.023274	.093121	.0034402	.0010923
%RSD	3.099526	.6449619	2.248070	.9664853	17.76083	7.052706

#1	11.08337	.5397416	1.049776	9.687675	.0158028	.0166950
#2	10.49044	.5465663	1.008450	9.527487	.0196385	.0151979
#3	10.52929	.5418039	1.047665	9.689858	.0226674	.0145687

Sample Name: ICV Acquired: 8/1/2018 14:54:59 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0003290	.0017197	.0063015	F .0007866	-.003093	.0036261
Stddev	.0002274	.0082953	.0010016	.0004426	.002153	.0013786
%RSD	69.13701	482.3822	15.89532	56.27244	69.61399	38.02026

#1	.0005048	-.002931	.0072102	.0009064	-.001843	.0048817
#2	.0004100	.011297	.0052275	.0002964	-.005580	.0021508
#3	.0000721	-.003207	.0064668	.0011569	-.001857	.0038457

Elem	Sr4077
Units	ppm
Avg	.0127919
Stddev	.0001571
%RSD	1.228208

#1	.0126697
#2	.0129691
#3	.0127368

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1877.948	2317.112	43174.19	5164.443	3364.063
Stddev	6.277	9.914	11.89	16.251	13.864
%RSD	.3342591	.4278718	.0275491	.3146678	.4121280

#1	1876.274	2315.409	43184.54	5157.371	3361.917
#2	1884.892	2327.767	43176.83	5152.928	3378.875
#3	1872.677	2308.159	43161.20	5183.032	3351.397

Sample Name: ICB Acquired: 8/1/2018 15:03:35 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICB Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000882	-.002562	.0011899	.0006168	-.000638	.0087062	-.000052
Stddev	.0027777	.003683	.0024795	.0010589	.000425	.0077451	.000347
%RSD	3149.432	143.7206	208.3773	171.6794	66.54371	88.96113	665.8849

#1	.0029822	.001469	.0024106	.0014422	-.000170	.0059511	-.000215
#2	-.002556	-.003408	.0028223	.0009852	-.000747	.0027153	-.000287
#3	-.000161	-.005749	-.001663	-.000577	-.000997	.0174522	.000346

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000022	.0000774	.0110480	.0000744	.0000389	.0006428	.0009542
Stddev	.000022	.0000492	.0158454	.0003326	.0002757	.0051690	.0143313
%RSD	102.3968	63.47751	143.4232	447.3599	709.2872	804.0874	1501.911

#1	-.000037	.0000479	.0133164	.0004339	-.000028	.0008643	.0077490
#2	-.000033	.0001342	.0256370	.0000114	.000342	-.004633	-.015511
#3	.000004	.0000502	-.005809	-.000222	-.000198	.005698	.010624

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001220	.0137274	-.000016	-.000028	-.026002	-.000114	.0136561
Stddev	.001616	.0158780	.000435	.000276	.439797	.003073	.0107630
%RSD	132.4730	115.6660	2642.905	984.4810	1691.372	2689.478	78.81453

#1	-.000032	.0098600	.000462	.000056	.478358	-.001354	.0017637
#2	-.003059	.0001405	-.000126	.000196	-.329534	-.002374	.0227282
#3	-.000567	.0311819	-.000386	-.000336	-.226832	.003385	.0164765

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0920442	-.002868	.0016941	-.000032	-.006413	.0031164	.0008883
Stddev	.1244561	.002289	.0016807	.000022	.004904	.0010085	.0003689
%RSD	135.2134	79.81928	99.20829	67.65868	76.46322	32.36136	41.52556

#1	.2356703	-.003409	.0035672	-.000056	-.012065	.0035701	.0006156
#2	.0159918	-.004839	.0003180	-.000015	-.003876	.0019607	.0013080
#3	.0244705	-.000357	.0011971	-.000024	-.003298	.0038183	.0007412

Sample Name: ICB Acquired: 8/1/2018 15:03:35 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: ICB Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002818	-.000116	.0000189
Stddev	.001253	.001660	.0000214
%RSD	44.47340	1429.228	113.0531

#1	-.001390	.001769	.0000250
#2	-.003328	-.001359	-.000005
#3	-.003736	-.000758	.000037

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1823.814	2252.205	41835.14	5023.317	3238.257
Stddev	13.390	3.235	186.77	32.010	4.893
%RSD	.7342007	.1436571	.4464350	.6372327	.1511095

#1	1813.675	2254.957	41656.56	5025.050	3242.589
#2	1818.775	2253.017	41819.72	4990.475	3239.231
#3	1838.993	2248.641	42029.14	5054.425	3232.949

Sample Name: ICSA Acquired: 8/1/2018 15:07:43 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSA Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006873	-.003146	-.005442	-.017483	.0023948	248.0700
Stddev	.006054	.001963	.003527	.002614	.0006737	.7799
%RSD	88.08804	62.40352	64.81461	14.95013	28.13230	.3143712

#1	-.005570	-.001541	-.001386	-.019494	.0020678	248.9430
#2	-.001576	-.002563	-.007793	-.014528	.0031696	247.4424
#3	-.013472	-.005335	-.007145	-.018427	.0019470	247.8244

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071590	.0009170	-.000389	252.2045	.0566464	-.000220
Stddev	.0007853	.0000866	.000132	.7380	.0004982	.000397
%RSD	10.96963	9.447016	34.01676	.2926198	.8795616	179.9659

#1	.0077326	.0009206	-.000239	252.6705	.0561141	.000233
#2	.0062640	.0010017	-.000438	251.3536	.0571016	-.000389
#3	.0074805	.0008286	-.000490	252.5894	.0567234	-.000505

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006711	105.5881	.0121083	255.3319	.0030380	.0002095
Stddev	.002224	.1670	.0015429	.9424	.0003563	.0003836
%RSD	33.13637	.1581847	12.74270	.3691046	11.72723	183.1212

#1	-.004351	105.7253	.0128758	255.4115	.0029620	.0003270
#2	-.007013	105.4021	.0103322	254.3522	.0027258	-.000219
#3	-.008767	105.6369	.0131171	256.2321	.0034261	.000521

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2143017	-.000616	.0040714	-1.98994	.0014494	F .0961815
Stddev	.3279044	.009172	.0046603	.04078	.0024776	.0015288
%RSD	153.0106	1489.402	114.4649	2.049192	170.9404	1.589467

#1	.2721984	-.000875	.0051209	-2.02341	.0015046	.0979023
#2	-.138695	.008683	-.001024	-2.00189	.0038989	.0949800
#3	.509402	-.009655	.008117	-1.94453	-.001055	.0956622

Sample Name: ICSA Acquired: 8/1/2018 15:07:43 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSA Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020121	-.012524	-.001512	-.005962	-.003178	.0001096
Stddev	.0004330	.002966	.001919	.000614	.001781	.0018921
%RSD	21.51873	23.68149	126.9302	10.29233	56.02859	1725.843

#1	.0024817	-.015670	.000639	-.005289	-.001396	.0005929
#2	.0019261	-.009779	-.003047	-.006490	-.004957	-.001977
#3	.0016286	-.012121	-.002128	-.006107	-.003182	.001713

Elem	Sr4077
Units	ppm
Avg	.1063316
Stddev	.0004582
%RSD	.4308864

#1	.1067905
#2	.1058742
#3	.1063302

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1770.582	2171.730	41091.77	5058.684	2963.507
Stddev	5.312	3.198	238.20	7.396	6.173
%RSD	.3000262	.1472600	.5796807	.1462031	.2082853

#1	1766.111	2175.399	40936.35	5057.804	2970.382
#2	1769.181	2170.258	40972.95	5051.767	2961.698
#3	1776.455	2169.532	41366.01	5066.480	2958.442

Sample Name: ICSAB Acquired: 8/1/2018 15:11:49 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0974235	.1047216	.0499312	.0333395	.6152753	254.2487
Stddev	.0098408	.0043783	.0028652	.0040784	.0050532	.9524
%RSD	10.10107	4.180875	5.738309	12.23292	.8212985	.3745903

#1	.0938747	.1027474	.0532190	.0341343	.6100149	253.3489
#2	.0898493	.1097394	.0479674	.0369621	.6157189	254.1510
#3	.1085465	.1016781	.0486072	.0289223	.6200921	255.2461

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5567252	.5419657	1.073397	257.9753	.6268360	.5322098
Stddev	.0026529	.0035623	.004526	.5662	.0020419	.0020794
%RSD	.4765098	.6573000	.4216205	.2194896	.3257503	.3907184

#1	.5536655	.5396910	1.070458	257.4652	.6289789	.5301740
#2	.5581263	.5401349	1.071124	257.8762	.6266163	.5321252
#3	.5583837	.5460711	1.078608	258.5846	.6249129	.5343303

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5379141	107.9084	.5684105	260.9684	1.084368	.1845657
Stddev	.0050593	.2988	.0040354	1.0418	.005687	.0007182
%RSD	.9405378	.2769356	.7099393	.3992146	.5244709	.3891344

#1	.5417744	107.7710	.5673128	259.8710	1.082760	.1842688
#2	.5397813	107.7030	.5650376	261.0900	1.079658	.1840437
#3	.5321866	108.2512	.5728812	261.9440	1.090686	.1853848

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4392915	.5397344	1.059583	-1.80723	.2863259	F .3971130
Stddev	.1903205	.0069458	.013734	.04130	.0096506	.0039517
%RSD	43.32441	1.286902	1.296153	2.285304	3.370480	.9951022

#1	.2244351	.5326304	1.073440	-1.83626	.2866831	.3931951
#2	.5067273	.5465104	1.059332	-1.82549	.2765016	.3970461
#3	.5867123	.5400623	1.045976	-1.75995	.2957928	.4010976

Sample Name: ICSAB Acquired: 8/1/2018 15:11:49 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .3034086	.2949539	.2911146	F .3175445	.3070582	.2884931
Stddev	.0041563	.0077532	.0061956	.0030262	.0020123	.0035505
%RSD	1.369866	2.628609	2.128228	.9530165	.6553613	1.230705

#1	.2991776	.3036665	.2854501	.3145160	.3052600	.2852539
#2	.3035622	.2923806	.2901626	.3175492	.3066827	.2879364
#3	.3074859	.2888145	.2977311	.3205685	.3092318	.2922892

Elem	Sr4077
Units	ppm
Avg	.4049341
Stddev	.0029565
%RSD	.7301261

#1	.4023518
#2	.4042915
#3	.4081592

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1758.778	2135.122	40443.55	5004.906	2915.534
Stddev	7.370	4.223	199.83	12.662	6.259
%RSD	.4190611	.1977895	.4940896	.2529902	.2146620

#1	1760.746	2139.292	40587.07	5019.417	2919.215
#2	1750.624	2135.225	40215.32	4999.200	2919.079
#3	1764.965	2130.848	40528.26	4996.101	2908.308

Sample Name: CCV082 Acquired: 8/1/2018 15:15:46 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV082 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.913487	4.969711	25.06219	4.767761	4.922572	416.1816	10.18920
Stddev	.028634	.039438	.14265	.014134	.029777	1.8319	.01113
%RSD	.5827702	.7935688	.5691972	.2964600	.6049106	.4401787	.1092538

#1	4.890784	4.935533	24.96458	4.764957	4.900317	415.7574	10.19409
#2	4.904020	4.960736	24.99609	4.755239	4.911001	414.5989	10.17647
#3	4.945656	5.012863	25.22590	4.783087	4.956398	418.1884	10.19706

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5058339	2.510502	416.9590	15.52856	2.537446	15.17521	420.6424
Stddev	.0035112	.014749	1.0122	.01034	.014147	.04239	1.3641
%RSD	.6941453	.5874748	.2427473	.0666074	.5575201	.2793577	.3242791

#1	.5020398	2.497988	416.4223	15.53279	2.529362	15.16543	420.0105
#2	.5064930	2.506754	416.3283	15.51677	2.529194	15.13856	419.7089
#3	.5089688	2.526762	418.1265	15.53611	2.553781	15.22163	422.2078

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.07439	413.5753	2.543296	1.280442	412.1599	2.496566	15.08988
Stddev	.02028	1.2795	.015765	.002081	.5342	.019484	.14236
%RSD	.1345310	.3093646	.6198538	.1625017	.1296099	.7804359	.9433969

#1	15.06179	413.1568	2.533438	1.282729	411.7665	2.502297	15.13573
#2	15.06360	412.5575	2.534972	1.278661	412.7681	2.474859	14.93025
#3	15.09779	415.0116	2.561478	1.279936	411.9452	2.512541	15.20367

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	155.1734	5.202069	5.232616	4.911166	5.180218	4.955446	5.092724
Stddev	.7315	.044615	.042657	.015258	.060504	.032349	.031708
%RSD	.4714073	.8576317	.8152133	.3106828	1.167976	.6528025	.6226155

#1	154.7189	5.173407	5.193459	4.903303	5.122047	4.922591	5.073479
#2	154.7842	5.179328	5.226316	4.901442	5.175794	4.956484	5.075372
#3	156.0172	5.253472	5.278072	4.928751	5.242812	4.987265	5.129321

Sample Name: CCV082 Acquired: 8/1/2018 15:15:46 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: CCV082 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.046509	5.180555	5.094399
Stddev	.019529	.005910	.018944
%RSD	.3869782	.1140886	.3718601

#1	5.030327	5.175346	5.085263
#2	5.040998	5.179342	5.081755
#3	5.068201	5.186978	5.116180

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1604.097	1945.578	38808.89	4886.768	2645.402
Stddev	6.550	2.426	140.31	23.568	9.147
%RSD	.4083169	.1247023	.3615422	.4822865	.3457670

#1	1603.938	1946.678	38650.60	4902.182	2652.177
#2	1610.726	1947.260	38917.97	4898.484	2649.031
#3	1597.629	1942.797	38858.09	4859.637	2634.997

Sample Name: CCB082 Acquired: 8/1/2018 15:19:34 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB082 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003926	-.000759	-.000164	-.001107	-.000722	.0012664	-.000279
Stddev	.000799	.002007	.001383	.001996	.000781	.0111548	.000402
%RSD	20.34771	264.2875	841.9302	180.2434	108.1618	880.7897	144.1065

#1	-.004785	-.002377	.001036	-.000911	-.000544	.0137383	-.000600
#2	-.003206	.001486	-.001678	.000783	-.001578	-.007757	.000172
#3	-.003786	-.001387	.000149	-.003194	-.000045	-.002182	-.000410

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000077	.0000660	.0071025	.0006125	.0001849	-.002694	.0060655
Stddev	.0000774	.0000359	.0126180	.0001934	.0000451	.004175	.0021129
%RSD	1003.852	54.47306	177.6564	31.57266	24.39881	154.9435	34.83487

#1	-.000003	.0000890	.0036969	.0004626	.0001727	.002125	.0046715
#2	-.000064	.0000843	-.003463	.0008308	.0001472	-.005191	.0084966
#3	.000090	.0000246	.021074	.0005442	.0002349	-.005017	.0050284

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003991	.0480093	.0002886	-.000005	.5249577	.0023783	.0081401
Stddev	.0005975	.0345429	.0002701	.000131	.0749959	.0059494	.0146620
%RSD	149.7191	71.95025	93.59563	2508.175	14.28608	250.1523	180.1201

#1	.0004845	.0384613	-.000022	-.000147	.4393563	.0073081	.0181430
#2	-.000237	.0192448	.000470	.000112	.5791023	.0040570	.0149680
#3	.000949	.0863219	.000417	.000019	.5564144	-.004230	-.008691

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0835444	-.001558	.0076998	-.000021	-.010668	.0034419	.0023611
Stddev	.1086266	.001724	.0020675	.000089	.003320	.0005862	.0008003
%RSD	130.0226	110.6760	26.85111	422.6023	31.11712	17.03014	33.89279

#1	-.035343	-.002208	.0094387	.000082	-.014089	.0038454	.0024620
#2	.177617	-.002863	.0082467	-.000072	-.007461	.0037106	.0031062
#3	.108359	.000397	.0054138	-.000073	-.010454	.0027695	.0015153

Sample Name: CCB082 Acquired: 8/1/2018 15:19:34 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB082 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001371	.0017864	.0000414
Stddev	.001350	.0006065	.0001183
%RSD	98.43389	33.94925	285.9646

#1	-.000413	.0014808	.0001777
#2	-.000787	.0024849	-.000035
#3	-.002915	.0013935	-.000018

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1839.443	2268.801	42324.70	5098.133	3269.379
Stddev	23.528	7.579	222.25	21.726	9.675
%RSD	1.279107	.3340601	.5251124	.4261568	.2959145

#1	1861.930	2266.334	42473.21	5111.050	3267.507
#2	1841.404	2277.306	42431.71	5073.050	3279.853
#3	1814.996	2262.762	42069.19	5110.300	3260.777

Sample Name: J4077-05A Acquired: 8/1/2018 15:23:43 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MJJ1T9A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096898	-.009078	.0405146	-.012133	-.001143	53.55137	.1070003
Stddev	.0036799	.002885	.0018327	.000548	.001079	.13875	.0004464
%RSD	37.97697	31.77833	4.523489	4.516165	94.42639	.2590969	.4172117

#1	.0133270	-.005893	.0386698	-.011503	-.001027	53.47175	.1068725
#2	.0097739	-.011515	.0423350	-.012395	-.000126	53.47078	.1066317
#3	.0059686	-.009827	.0405390	-.012501	-.002275	53.71158	.1074966

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019590	.0011071	34.97136	.1851572	.0355477	.0627859	113.5189
Stddev	.0000781	.0000654	.15278	.0012521	.0000955	.0073016	.1843
%RSD	3.985107	5.909847	.4368771	.6762495	.2687502	11.62935	.1623756

#1	.0020326	.0011553	35.14728	.1865672	.0355455	.0571345	113.7304
#2	.0019673	.0011334	34.89480	.1841752	.0354533	.0710301	113.4341
#3	.0018771	.0010326	34.87199	.1847292	.0356443	.0601932	113.3922

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.225344	33.21965	.1961791	.0016734	30.99246	.6473931	.2049644
Stddev	.003095	.11525	.0004804	.0004994	.34223	.0071031	.0110568
%RSD	.2525451	.3469292	.2448655	29.84225	1.104223	1.097187	5.394512

#1	1.228799	33.34320	.1957305	.0021899	31.30500	.6524056	.1949110
#2	1.224404	33.11505	.1961209	.0016371	31.04563	.6505090	.2168065
#3	1.222828	33.20070	.1966860	.0011932	30.62677	.6392645	.2031756

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.524251	2.096449	.1604589	.0178394	38.34810	16.30896	.1581605
Stddev	.027911	.020408	.0004996	.0003002	.26026	.03922	.0002637
%RSD	.6169218	.9734393	.3113543	1.682666	.6786735	.2404777	.1667537

#1	4.535709	2.085521	.1601473	.0177669	38.15048	16.35415	.1578643
#2	4.544610	2.083833	.1610351	.0175821	38.25083	16.28384	.1582473
#3	4.492434	2.119994	.1601943	.0181692	38.64298	16.28888	.1583699

Sample Name: J4077-05A Acquired: 8/1/2018 15:23:43 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MJJ1T9A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.400259	.0684759	.2229372
Stddev	.016822	.0008170	.0005475
%RSD	.3822974	1.193169	.2455716

#1	4.386625	.0678594	.2235622
#2	4.395095	.0681656	.2225425
#3	4.419058	.0694026	.2227070

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1916.509	2343.254	44526.58	5355.935	3226.782
Stddev	7.318	9.018	150.64	20.086	11.308
%RSD	.3818230	.3848409	.3383176	.3750290	.3504484

#1	1924.940	2345.295	44699.49	5333.151	3228.665
#2	1911.807	2351.077	44423.69	5363.573	3237.030
#3	1912.780	2333.391	44456.55	5371.083	3214.650

Sample Name: CCV083 Acquired: 8/1/2018 15:27:47 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV083 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.884971	4.939697	24.77444	4.745156	4.881099	411.7179	10.10808
Stddev	.035564	.014779	.10731	.011231	.029116	.8489	.03954
%RSD	.7280286	.2991819	.4331651	.2366937	.5965011	.2061732	.3911374

#1	4.858931	4.947144	24.72566	4.741045	4.859131	411.0595	10.06328
#2	4.870491	4.922677	24.70019	4.736560	4.870043	412.6759	10.12291
#3	4.925490	4.949271	24.89748	4.757864	4.914124	411.4183	10.13806

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5061332	2.477737	414.1260	15.37402	2.501981	15.02078	417.0302
Stddev	.0022818	.010617	1.4187	.03074	.011782	.01880	1.3098
%RSD	.4508375	.4284815	.3425887	.1999534	.4709097	.1251455	.3140743

#1	.5036728	2.472026	412.5602	15.37387	2.495120	15.00725	416.1382
#2	.5081797	2.471198	414.4917	15.40483	2.495238	15.04224	416.4185
#3	.5065472	2.489986	415.3261	15.34335	2.515586	15.01285	418.5339

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.95642	409.9977	2.521598	1.272448	409.2307	2.488907	14.89523
Stddev	.04257	1.3386	.012572	.005078	1.3359	.019262	.12572
%RSD	.2846251	.3264900	.4985680	.3990606	.3264338	.7739268	.8440500

#1	14.90953	408.5634	2.515214	1.271878	407.9084	2.486006	15.03836
#2	14.96710	410.2161	2.513499	1.277788	409.2038	2.471260	14.84471
#3	14.99264	411.2137	2.536081	1.267680	410.5798	2.509456	14.80262

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	153.6959	5.180731	5.228301	4.858073	5.146318	4.967575	5.041212
Stddev	.1292	.008887	.024139	.026486	.012104	.014389	.019130
%RSD	.0840426	.1715450	.4616938	.5451954	.2351991	.2896573	.3794803

#1	153.5474	5.178302	5.211267	4.849379	5.135554	4.956952	5.034498
#2	153.7583	5.173312	5.255925	4.837026	5.143978	4.983950	5.026344
#3	153.7821	5.190581	5.217711	4.887813	5.159421	4.961824	5.062795

Sample Name: CCV083 Acquired: 8/1/2018 15:27:47 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV083 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	4.985150	5.128826	5.044805
Stddev	.001878	.022106	.005713
%RSD	.0376620	.4310157	.1132405

#1	4.987271	5.103348	5.045025
#2	4.984479	5.140207	5.038985
#3	4.983701	5.142923	5.050404

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1610.325	1959.245	39081.42	4897.431	2666.617
Stddev	8.323	8.912	153.85	14.636	9.797
%RSD	.5168605	.4548932	.3936658	.2988562	.3674015

#1	1602.650	1962.952	39052.15	4902.675	2670.136
#2	1609.154	1965.705	38944.31	4880.895	2674.169
#3	1619.172	1949.077	39247.81	4908.723	2655.546

Sample Name: CCB083 Acquired: 8/1/2018 15:31:35 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB083 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001651	.0000765	-.000577	.0028691	-.000176	-.002272	.0001051
Stddev	.003140	.0007445	.001651	.0024995	.000563	.009570	.0010706
%RSD	190.1589	972.7440	286.3182	87.12006	320.2654	421.2824	1019.121

#1	.001245	-.000641	-.002427	.0000745	.000452	.001027	-.000611
#2	-.001211	.000025	.000744	.0036413	-.000637	.005213	.001336
#3	-.004988	.000845	-.000047	.0048914	-.000342	-.013055	-.000410

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000803	-.000063	.0206742	-.000051	.0001657	-.004326	-.002591
Stddev	.0000697	.000040	.0228584	.000197	.0003134	.000984	.024147
%RSD	86.88493	62.83366	110.5648	386.5609	189.1186	22.74586	931.7826

#1	.0000524	-.000065	.0468108	-.000245	-.000111	-.005443	-.027433
#2	.0001596	-.000102	.0107945	-.000056	.000506	-.003590	.020794
#3	.0000288	-.000023	.0044174	.000148	.000102	-.003944	-.001135

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014797	.0186206	.0003934	.0001693	.2171978	-.001298	.0155527
Stddev	.0011275	.0248255	.0002120	.0005977	.1110611	.003712	.0028275
%RSD	76.19868	133.3229	53.89577	352.9346	51.13363	286.0122	18.17991

#1	.0004178	-.006881	.0005480	-.000272	.1209943	.001801	.0126315
#2	.0013583	.020034	.0001517	-.000069	.1918608	-.000282	.0157506
#3	.0026631	.042709	.0004805	.000849	.3387382	-.005412	.0182760

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1387638	-.004791	.0075245	-.000226	-.006891	.0054823	.0007889
Stddev	.1099969	.004635	.0003635	.000091	.002158	.0007956	.0011833
%RSD	79.26913	96.74685	4.831553	40.06549	31.31656	14.51128	149.9962

#1	.1947586	.000392	.0078737	-.000156	-.004407	.0047166	-.000020
#2	.0120357	-.008539	.0071481	-.000193	-.008305	.0063047	.000240
#3	.2094972	-.006225	.0075515	-.000328	-.007960	.0054257	.002147

Sample Name: CCB083 Acquired: 8/1/2018 15:31:35 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v618) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB083 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000435	.0024404	.0000900
Stddev	.001309	.0021631	.0001387
%RSD	300.5620	88.63575	154.2180

#1	-.001261	.0049381	.0001132
#2	.001074	.0011941	.0002156
#3	-.001119	.0011890	-.000059

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1837.444	2252.169	42320.76	5047.775	3241.607
Stddev	2.049	10.310	155.40	26.605	16.983
%RSD	.1114887	.4577602	.3671995	.5270591	.5238946

#1	1835.741	2256.786	42185.15	5018.650	3246.907
#2	1836.875	2259.364	42286.80	5053.875	3255.307
#3	1839.717	2240.358	42490.34	5070.800	3222.606