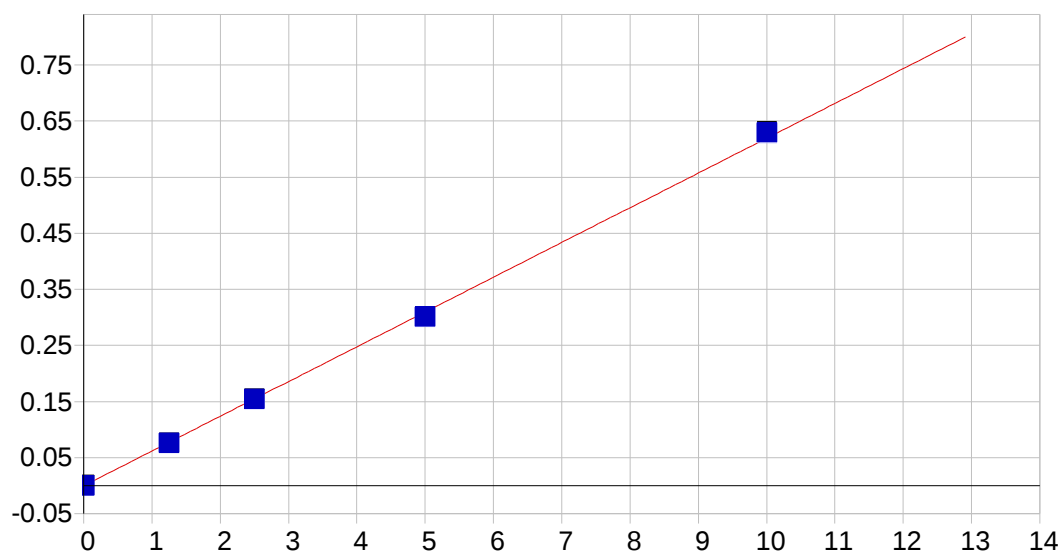




As 189.042 {479}

Date of Fit: 11/30/2018 16:57:37

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000340

Re-Slope: 1.000000

A1 (Gain): 0.061972

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999804

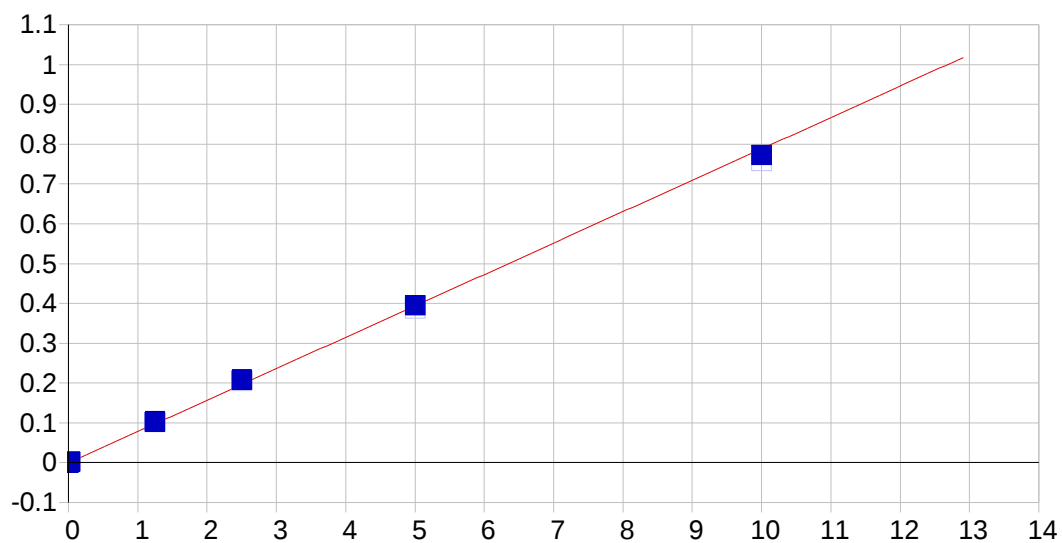
Status: OK.

Std Error of Est: 0.000021

Predicted MDL: 0.002659

Predicted MQL: 0.008862

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00034	.000	1
S1	.01000	.00852	-.001	-14.8	.00019	.000	1
S2	1.2500	1.2284	-.022	-1.73	.07551	.000	1
S3	2.5000	2.4910	-.009	-.359	.15348	.001	1
S4	5.0000	4.8622	-.138	-2.76	.29988	.000	1
S5	10.000	10.170	.170	1.70	.62770	.001	1

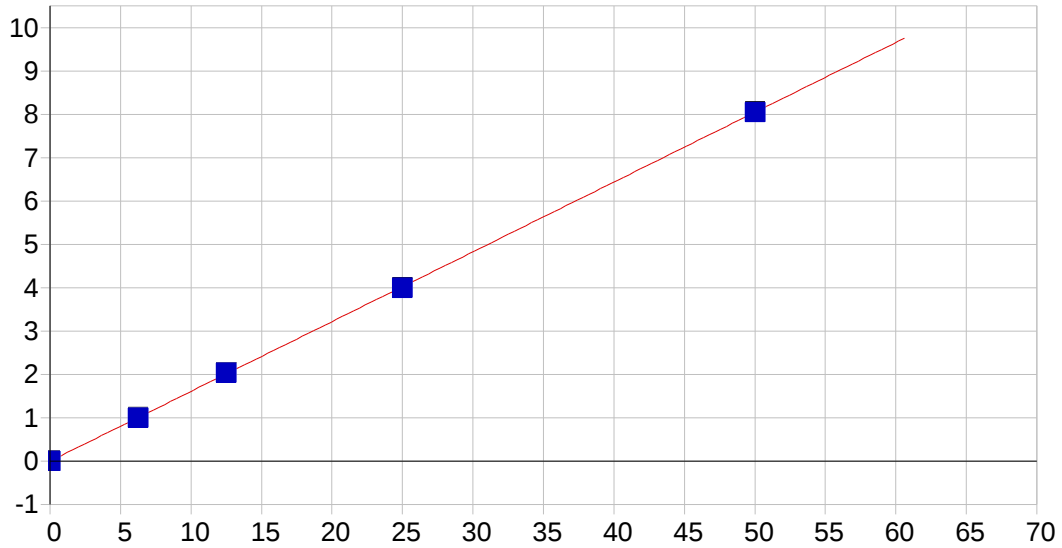


TI 190.856 {477}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000617 Re-Slope: 1.000000
 A1 (Gain): 0.078869 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999571 Status: OK.
 Std Error of Est: 0.000060
 Predicted MDL: 0.001621
 Predicted MQL: 0.005404

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00062	.000	1
S1	.02500	.02563	.001	2.50	.00132	.000	1
S2	1.2500	1.3151	.065	5.21	.10129	.001	1
S3	2.5000	2.6394	.139	5.57	.20391	.000	1
S4	5.0000	5.0035	.003	.070	.38673	.001	1
S5	10.000	9.7914	-.209	-2.09	.75708	.001	1

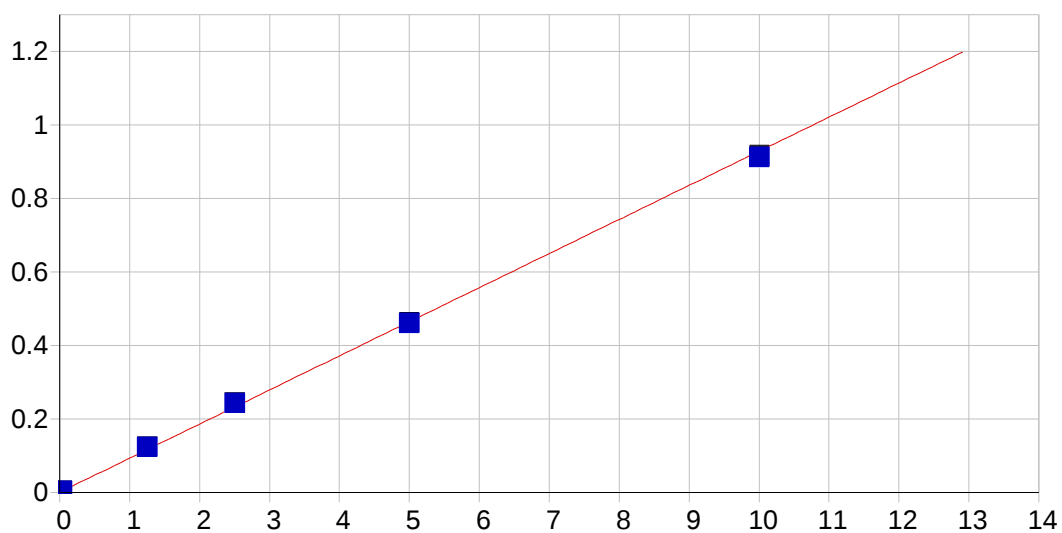


Pb 220.353 {453}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000437 Re-Slope: 1.000000
 A1 (Gain): 0.160924 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999978 Status: OK.
 Std Error of Est: 0.000040
 Predicted MDL: 0.001604
 Predicted MQL: 0.005347

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00044	.000	1
S1	.01000	.01037	.000	3.67	.00123	.000	1
S2	6.2500	6.2462	-.004	-.060	1.0046	.004	1
S3	12.500	12.676	.176	1.41	2.0393	.002	1
S4	25.000	24.803	-.197	-.786	3.9906	.008	1
S5	50.000	50.024	.024	.047	8.0488	.010	1



Date of Fit: 11/30/2018 16:57:37

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000595

Re-Slope: 1.000000

A1 (Gain): 0.092783

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999639

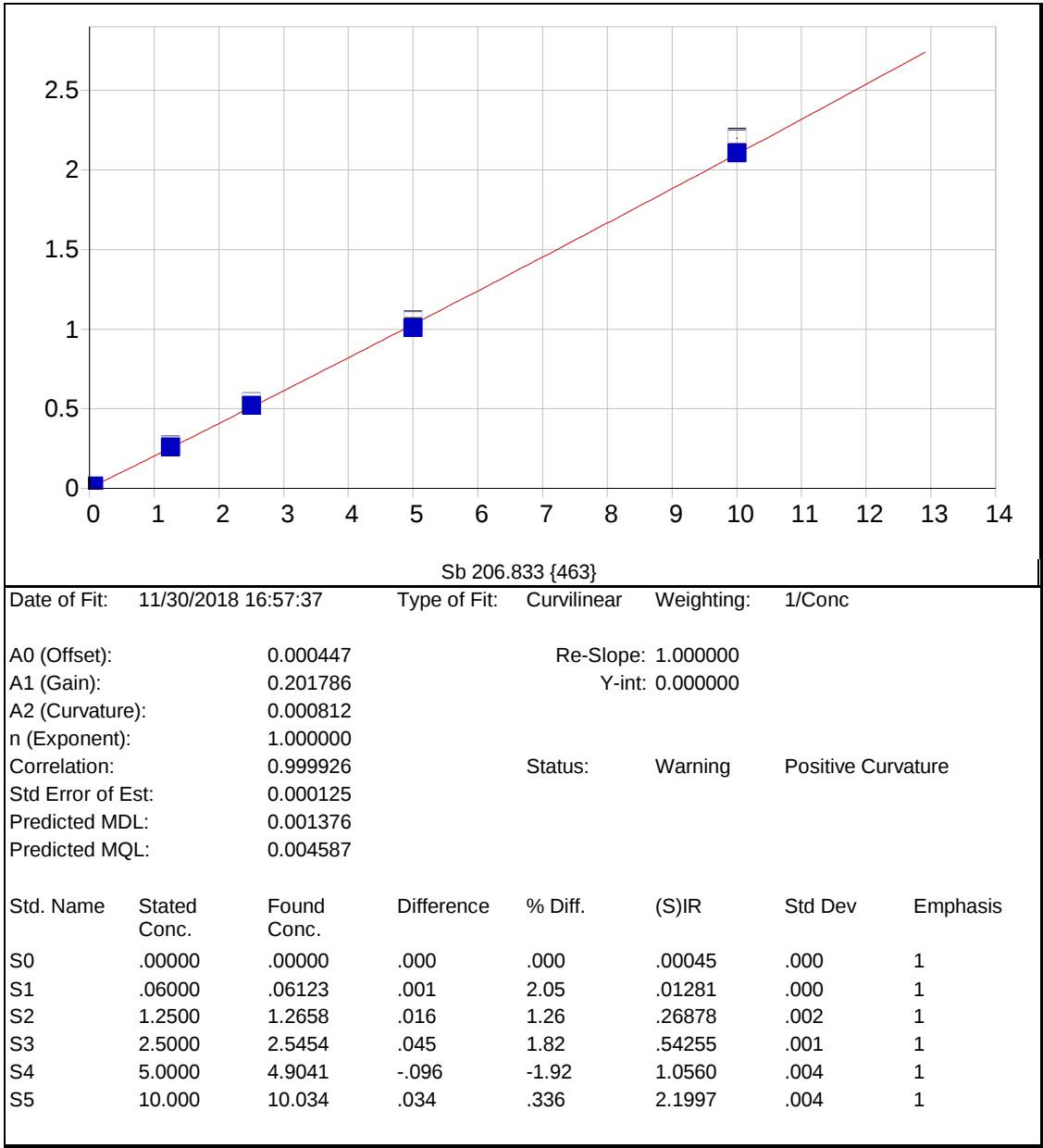
Status: OK.

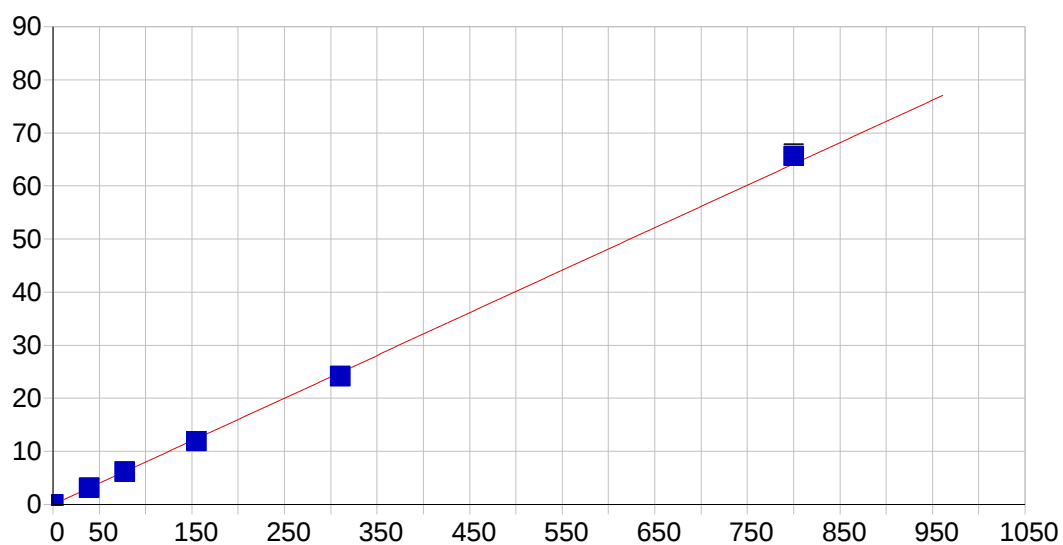
Std Error of Est: 0.000078

Predicted MDL: 0.002412

Predicted MQL: 0.008040

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00059	.000	1
S1	.03500	.03427	-.001	-2.09	.00377	.000	1
S2	1.2500	1.3271	.077	6.17	.12342	.000	1
S3	2.5000	2.6211	.121	4.84	.24318	.001	1
S4	5.0000	4.9646	-.035	-.707	.46001	.001	1
S5	10.000	9.8379	-.162	-1.62	.91095	.004	1



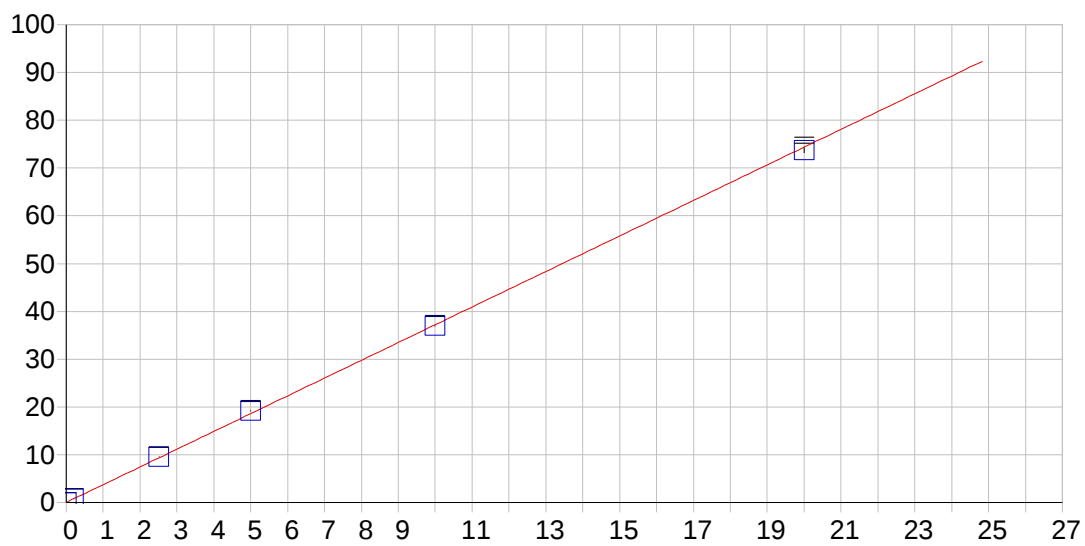


AI 396.152 { 85}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003187 Re-Slope: 1.000000
 A1 (Gain): 0.080196 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999616 Status: OK.
 Std Error of Est: 0.001384
 Predicted MDL: 0.012974
 Predicted MQL: 0.043247

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00319	.000	1
S1	.20000	.19675	-.003	-1.62	.01924	.000	1
S2	38.750	38.470	-.280	-.723	3.0945	.006	1
S3	77.500	76.149	-1.35	-1.74	6.1224	.040	1
S4	155.00	148.05	-6.95	-4.48	11.901	.023	1
S5	310.00	300.24	-9.76	-3.15	24.131	.071	1
S6	800.00	818.36	18.4	2.30	65.673	.399	1

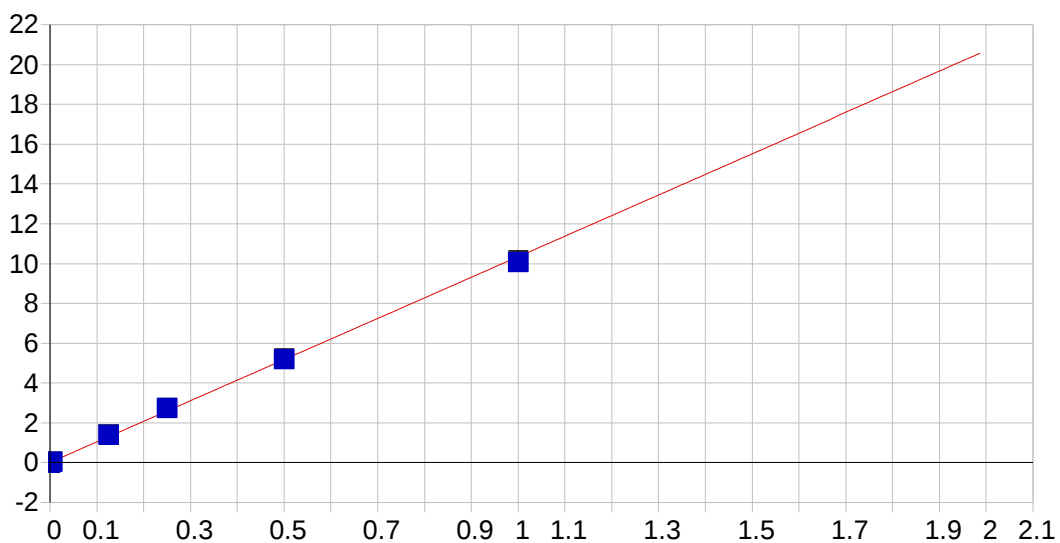


Ba 493.409 { 68}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.012591 Re-Slope: 1.000000
 A1 (Gain): 3.717963 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999894 Status: OK.
 Std Error of Est: 0.005767
 Predicted MDL: 0.000872
 Predicted MQL: 0.002908

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.01256	.002	1
S1	.20000	.19911	-.001	-.445	.75288	.003	1
S2	2.5000	2.5662	.066	2.65	9.5535	.032	1
S3	5.0000	5.1522	.152	3.04	19.168	.083	1
S4	10.000	9.9481	-.052	-.519	36.999	.113	1
S5	20.000	19.834	-.166	-.828	73.756	.603	1

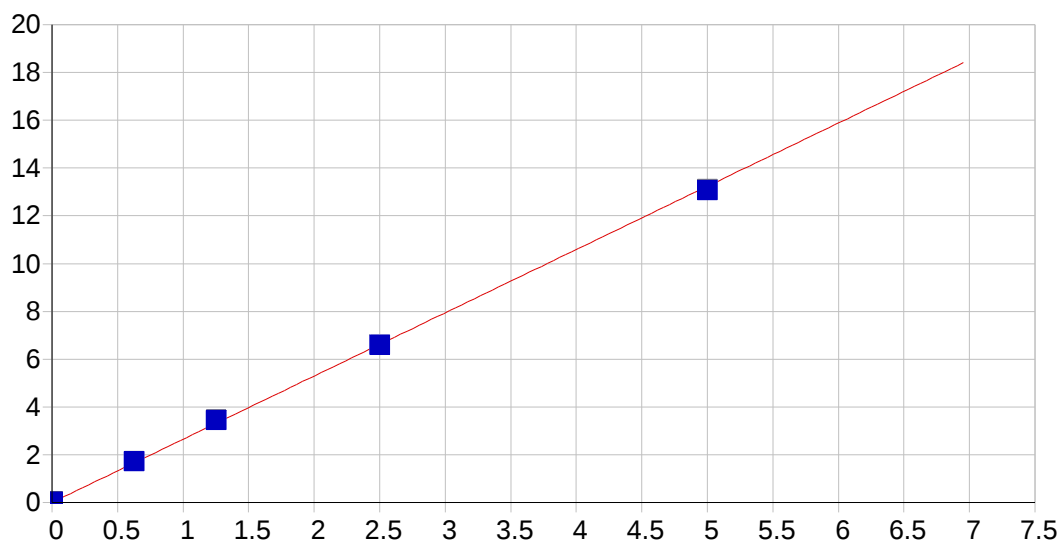


Be 234.861 {144}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002727 Re-Slope: 1.000000
 A1 (Gain): 10.349704 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999371 Status: OK.
 Std Error of Est: 0.001373
 Predicted MDL: 0.000057
 Predicted MQL: 0.000190

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00274	.000	1
S1	.00500	.00528	.000	5.62	.05189	.000	1
S2	.12500	.13554	.011	8.43	1.3957	.008	1
S3	.25000	.26372	.014	5.49	2.7181	.003	1
S4	.50000	.50168	.002	.336	5.1723	.025	1
S5	1.0000	.97378	-.026	-2.62	10.041	.068	1

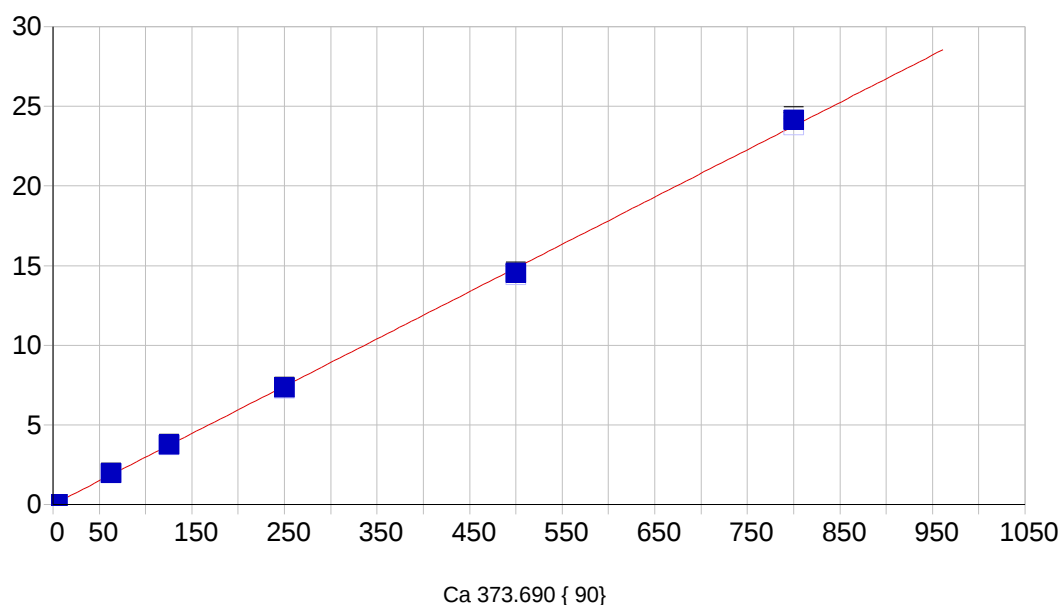


Cd 214.438 {457}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000429 Re-Slope: 1.000000
 A1 (Gain): 2.647192 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999793 Status: OK.
 Std Error of Est: 0.000453
 Predicted MDL: 0.000077
 Predicted MQL: 0.000255

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00043	.000	1
S1	.00500	.00539	.000	7.75	.01470	.000	1
S2	.62500	.64942	.024	3.91	1.7221	.005	1
S3	1.2500	1.3004	.050	4.03	3.4478	.002	1
S4	2.5000	2.4900	-.010	-.398	6.6022	.016	1
S5	5.0000	4.9348	-.065	-1.30	13.084	.024	1



Date of Fit: 11/30/2018 16:57:37

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001851

Re-Slope: 1.000000

A1 (Gain): 0.029696

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.998323

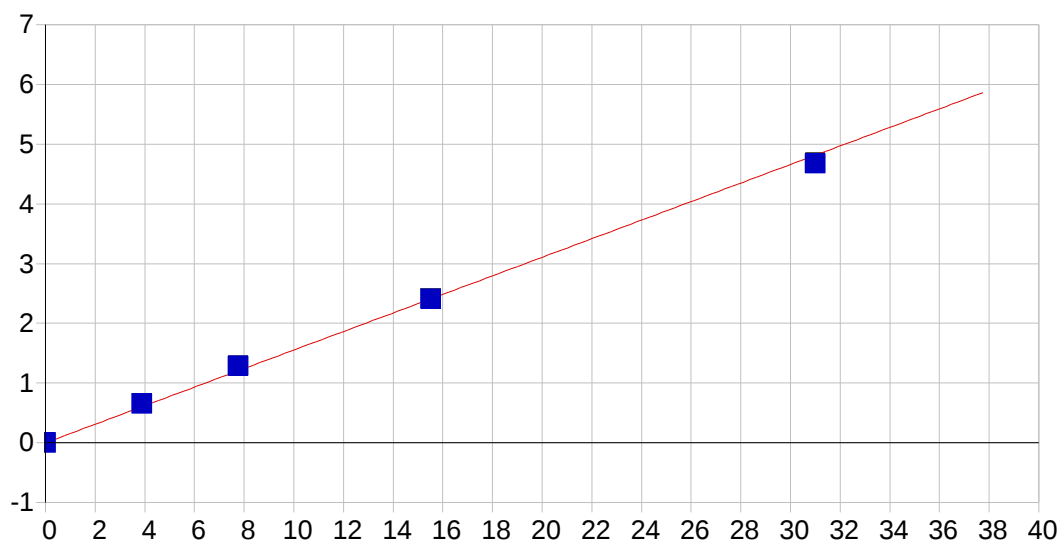
Status: OK.

Std Error of Est: 0.005941

Predicted MDL: 0.024912

Predicted MQL: 0.083039

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00472	.005	.000	.00199	.001	1
S1	5.0000	.00561	-4.99	-99.9	.00197	.001	1
S2	62.500	66.124	3.62	5.80	1.9489	.005	1
S3	125.00	126.68	1.68	1.34	3.7305	.030	1
S4	250.00	247.18	-2.82	-1.13	7.2756	.024	1
S5	500.00	489.10	-10.9	-2.18	14.393	.085	1
S6	800.00	813.54	13.5	1.69	23.806	.201	1

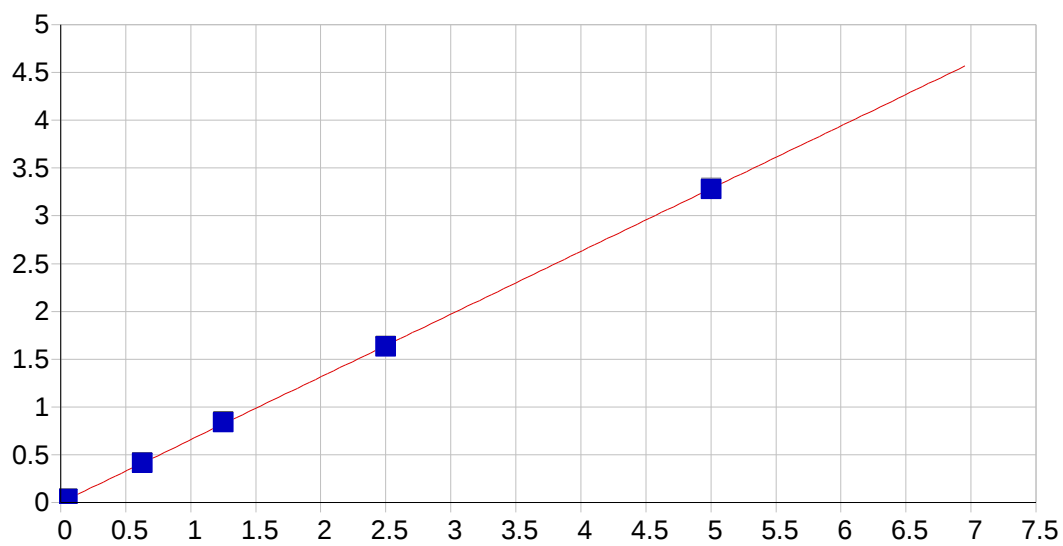


Cr 267.716 {126}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000033 Re-Slope: 1.000000
 A1 (Gain): 0.155312 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999204 Status: OK.
 Std Error of Est: 0.000183
 Predicted MDL: 0.000510
 Predicted MQL: 0.001699

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00003	.000	1
S1	.01000	.01151	.002	15.1	.00176	.000	1
S2	3.8750	4.2068	.332	8.56	.65350	.001	1
S3	7.7500	8.2923	.542	7.00	1.2882	.003	1
S4	15.500	15.524	.024	.152	2.4116	.003	1
S5	31.000	30.101	-.899	-2.90	4.6764	.011	1

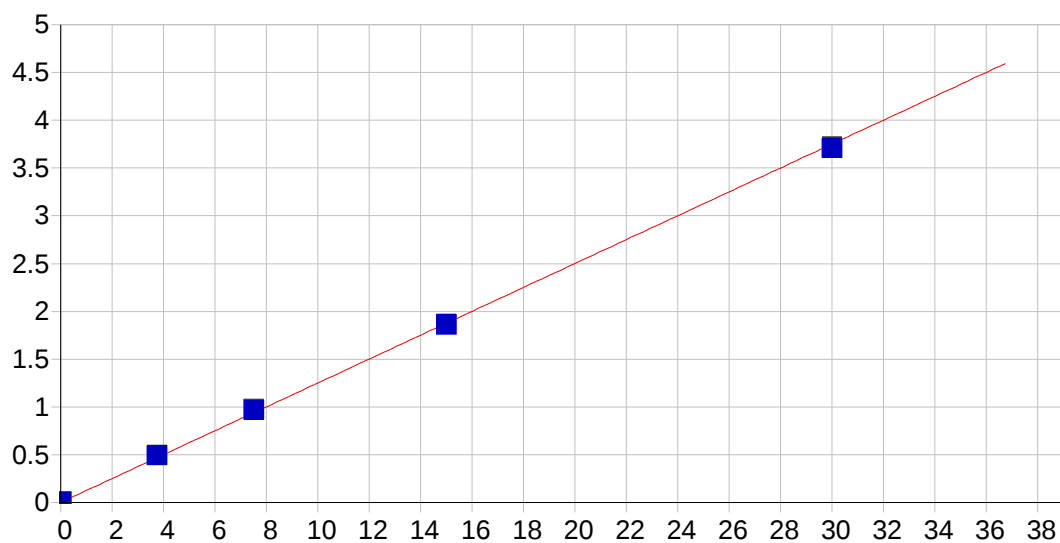


Co 228.616 {448}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000279 Re-Slope: 1.000000
 A1 (Gain): 0.656758 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999952 Status: OK.
 Std Error of Est: 0.000170
 Predicted MDL: 0.000265
 Predicted MQL: 0.000885

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00028	.000	1
S1	.05000	.04832	-.002	-3.37	.03213	.000	1
S2	.62500	.62878	.004	.604	.41389	.002	1
S3	1.2500	1.2779	.028	2.23	.84087	.001	1
S4	2.5000	2.4787	-.021	-.851	1.6308	.003	1
S5	5.0000	4.9913	-.009	-.175	3.2836	.006	1

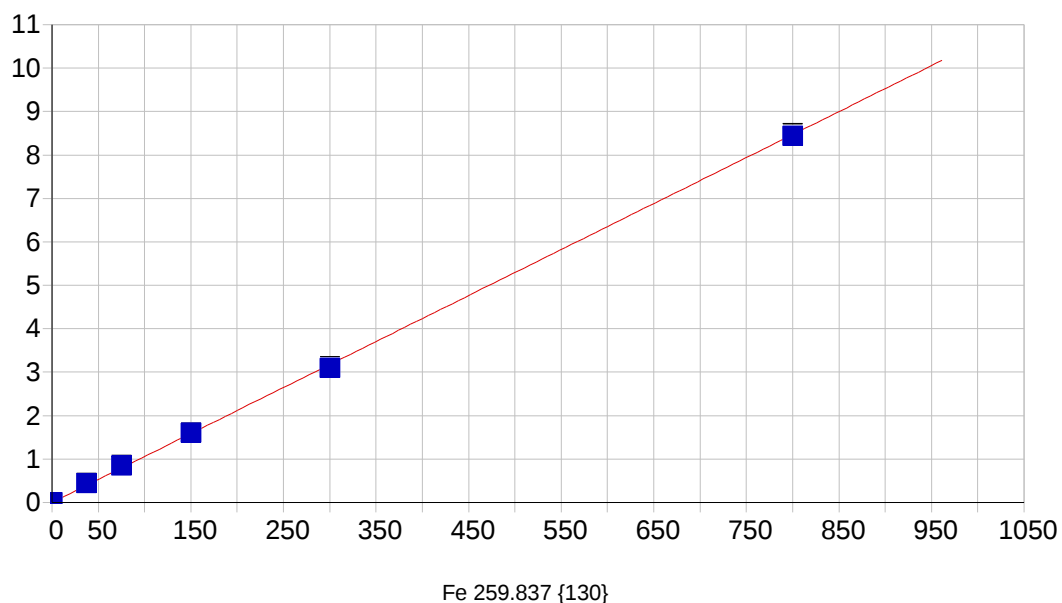


Cu 324.754 {104}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000672 Re-Slope: 1.000000
 A1 (Gain): 0.124998 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999773 Status: OK.
 Std Error of Est: 0.000122
 Predicted MDL: 0.004211
 Predicted MQL: 0.014037

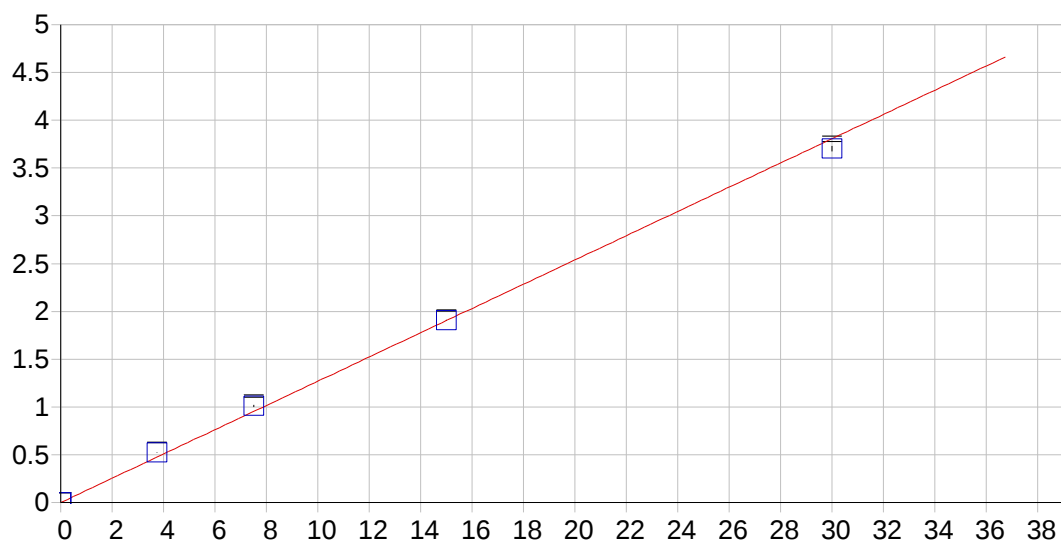
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00067	.000	1
S1	.02500	.02765	.003	10.6	.00412	.000	1
S2	3.7500	3.9464	.196	5.24	.49361	.001	1
S3	7.5000	7.7734	.273	3.65	.97163	.004	1
S4	15.000	14.860	-.140	-.932	1.8568	.007	1
S5	30.000	29.667	-.333	-1.11	3.7062	.013	1



Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000241 Re-Slope: 1.000000
 A1 (Gain): 0.010587 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999639 Status: OK.
 Std Error of Est: 0.000124
 Predicted MDL: 0.022992
 Predicted MQL: 0.076639

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00024	.000	1
S1	.10000	.08503	-.015	-15.0	.00119	.000	1
S2	37.500	41.388	3.89	10.4	.43923	.001	1
S3	75.000	80.420	5.42	7.23	.85326	.008	1
S4	150.00	150.98	.981	.654	1.6019	.008	1
S5	300.00	292.84	-7.16	-2.39	3.1070	.022	1
S6	800.00	796.89	-3.11	-.389	8.4473	.047	1

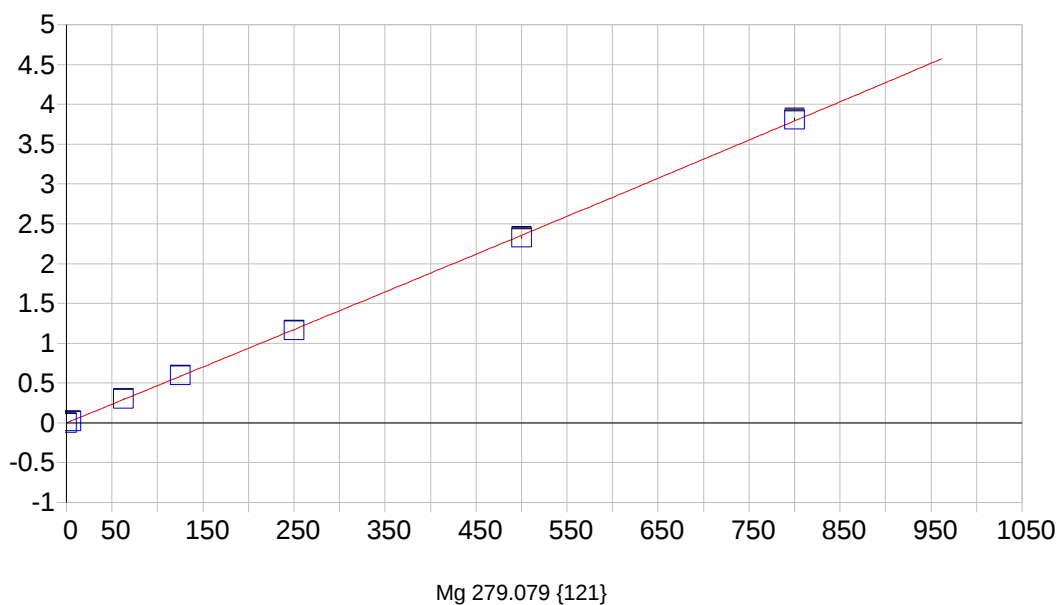


Mn 257.610 {131}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000088 Re-Slope: 1.000000
 A1 (Gain): 0.126888 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999226 Status: OK.
 Std Error of Est: 0.000178
 Predicted MDL: 0.001644
 Predicted MQL: 0.005479

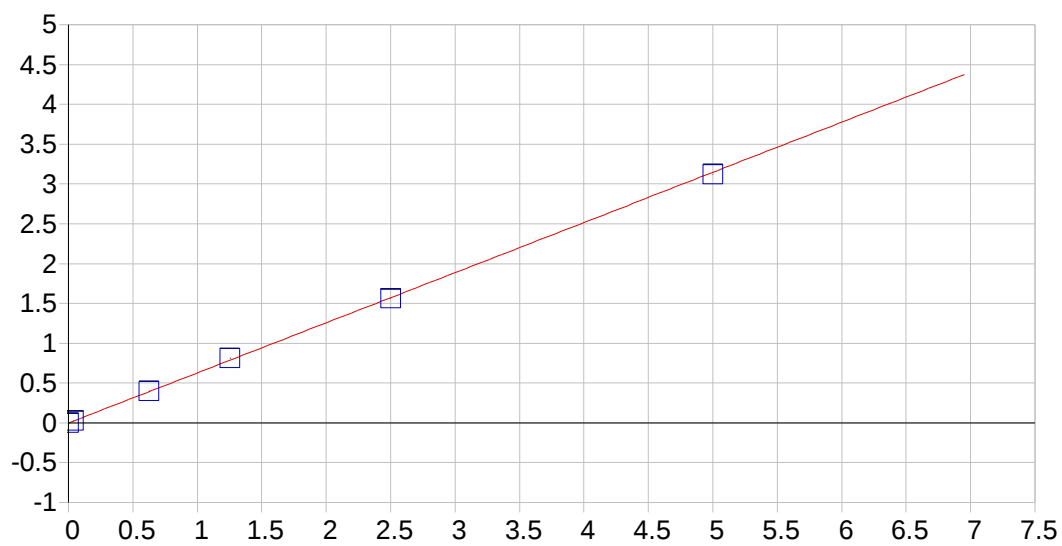
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00009	.000	1
S1	.01500	.01580	.001	5.33	.00209	.000	1
S2	3.7500	4.1285	.379	10.1	.52395	.002	1
S3	7.5000	7.9446	.445	5.93	1.0082	.011	1
S4	15.000	15.000	.000	-.002	1.9034	.006	1
S5	30.000	29.176	-.824	-2.75	3.7022	.031	1



Date of Fit: 11/30/2018 16:57:37 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000213 Re-Slope: 1.000000
 A1 (Gain): 0.004665 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999932 Status: Warning Positive Curvature
 Std Error of Est: 0.000215
 Predicted MDL: 0.062676
 Predicted MQL: 0.208921

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00009	.000	.000	-.00021	.000	1
S1	5.0000	4.9109	-.089	-1.78	.02270	.000	1
S2	62.500	64.494	1.99	3.19	.30104	.001	1
S3	125.00	127.66	2.66	2.13	.59683	.003	1
S4	250.00	247.51	-2.49	-.995	1.1601	.006	1
S5	500.00	494.03	-5.97	-1.19	2.3269	.014	1
S6	800.00	803.90	3.90	.487	3.8094	.017	1

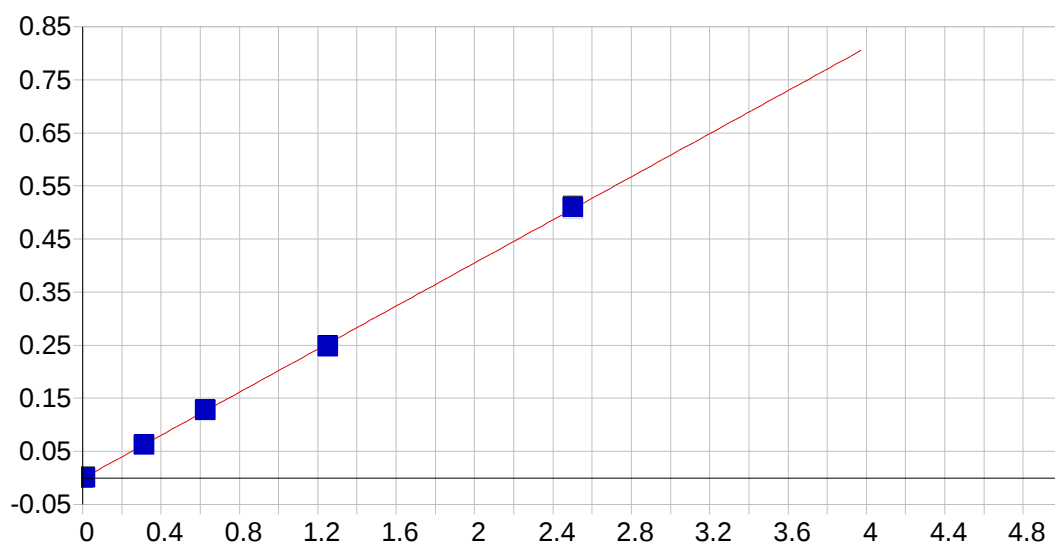


Ni 231.604 {446}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001580 Re-Slope: 1.000000
 A1 (Gain): 0.629438 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999896 Status: OK.
 Std Error of Est: 0.000216
 Predicted MDL: 0.000364
 Predicted MQL: 0.001214

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00158	.000	1
S1	.04000	.04019	.000	.472	.02372	.000	1
S2	.62500	.63742	.012	1.99	.39964	.001	1
S3	1.2500	1.2908	.041	3.26	.81089	.001	1
S4	2.5000	2.4829	-.017	-.685	1.5612	.004	1
S5	5.0000	4.9637	-.036	-.726	3.1228	.003	1

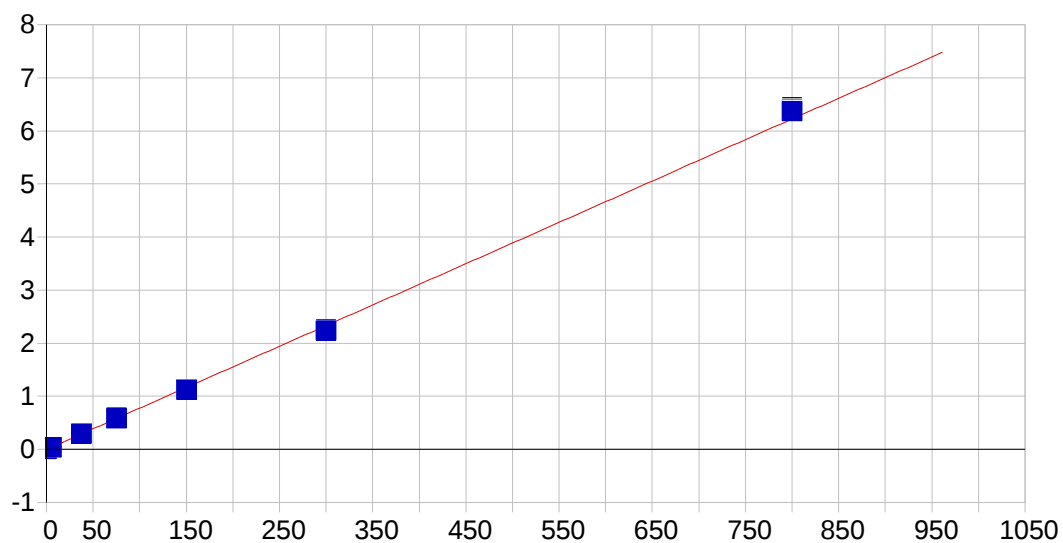


Ag 328.068 {103}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000854 Re-Slope: 1.000000
 A1 (Gain): 0.202911 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999920 Status: OK.
 Std Error of Est: 0.000021
 Predicted MDL: 0.000541
 Predicted MQL: 0.001804

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00085	.000	1
S1	.01000	.00957	.000	-4.31	.00107	.000	1
S2	.31250	.31047	-.002	-.651	.06173	.000	1
S3	.62500	.63478	.010	1.57	.12712	.000	1
S4	1.2500	1.2262	-.024	-1.90	.24630	.001	1
S5	2.5000	2.5165	.016	.659	.50646	.002	1

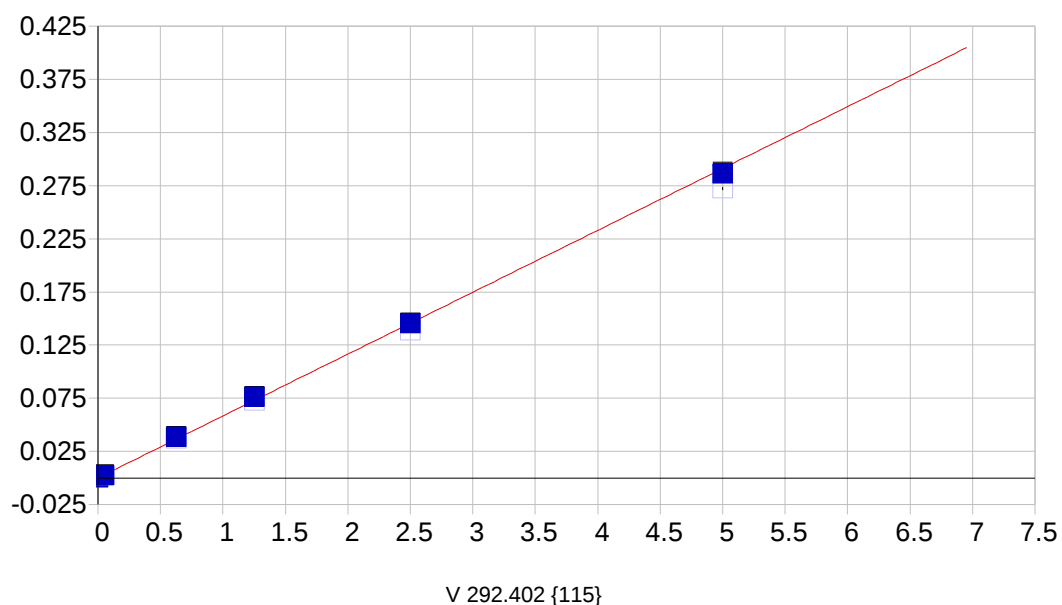


Na 818.326 { 41}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000260 Re-Slope: 1.000000
 A1 (Gain): 0.007778 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999543 Status: OK.
 Std Error of Est: 0.000731
 Predicted MDL: 0.292082
 Predicted MQL: 0.973606

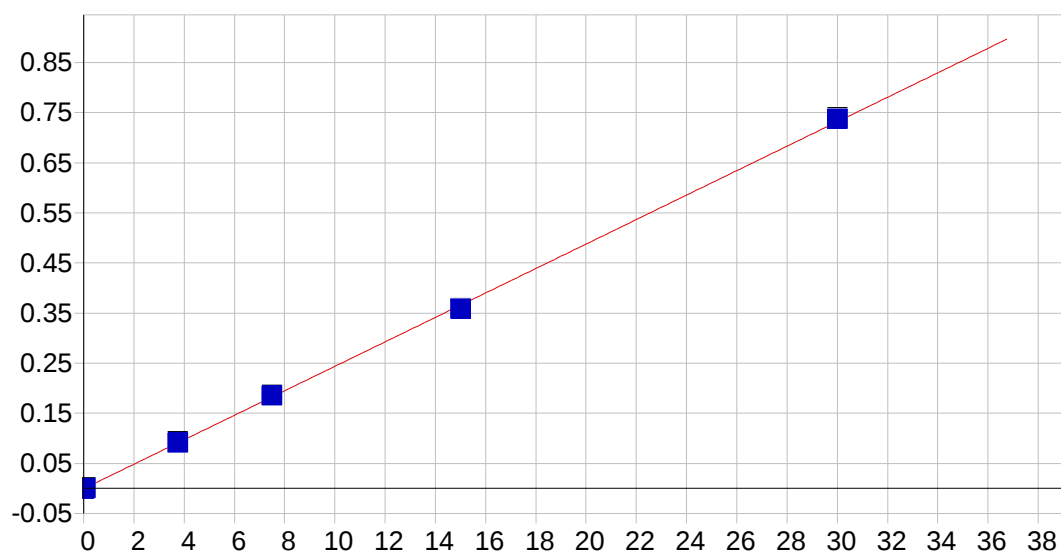
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00067	.001	.000	-.00026	.002	1
S1	5.0000	4.5543	-.446	-8.91	.03517	.002	1
S2	37.500	38.070	.570	1.52	.29714	.001	1
S3	75.000	74.883	-.117	-.157	.58475	.005	1
S4	150.00	143.93	-6.07	-4.05	1.1244	.003	1
S5	300.00	287.37	-12.6	-4.21	2.2452	.005	1
S6	800.00	818.69	18.7	2.34	6.3950	.042	1



Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000070 Re-Slope: 1.000000
 A1 (Gain): 0.058235 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999560 Status: OK.
 Std Error of Est: 0.000044
 Predicted MDL: 0.006159
 Predicted MQL: 0.020531

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00007	.000	1
S1	.05000	.04321	-.007	-13.6	.00258	.000	1
S2	.62500	.66379	.039	6.21	.03698	.000	1
S3	1.2500	1.3080	.058	4.64	.07275	.001	1
S4	2.5000	2.4967	-.003	-.131	.13849	.000	1
S5	5.0000	4.9135	-.086	-1.73	.27225	.001	1

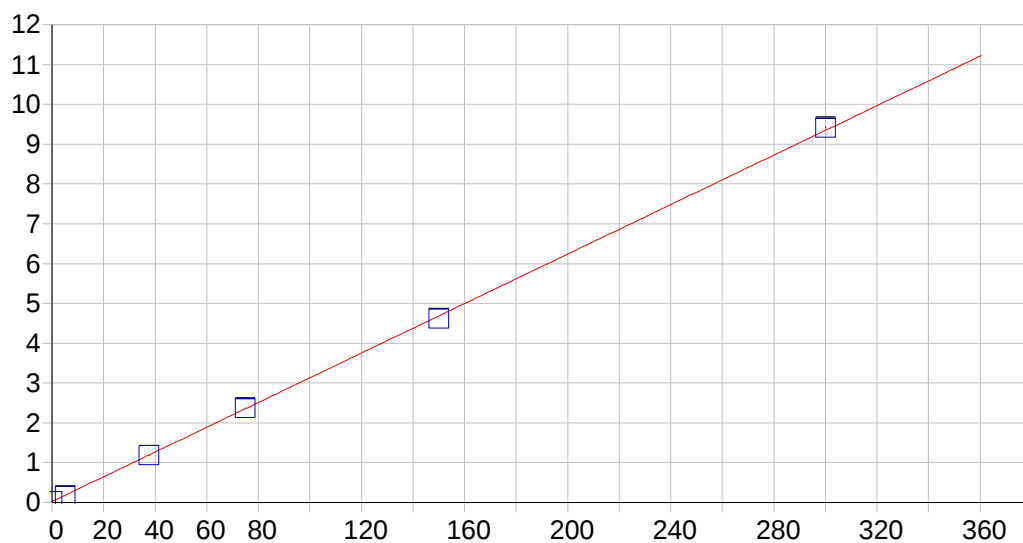


Zn 213.856 {158}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000376 Re-Slope: 1.000000
 A1 (Gain): 0.024408 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999911 Status: OK.
 Std Error of Est: 0.000023
 Predicted MDL: 0.012785
 Predicted MQL: 0.042616

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00038	.000	1
S1	.06000	.04946	-.011	-17.6	.00084	.000	1
S2	3.7500	3.7621	.012	.323	.09160	.002	1
S3	7.5000	7.5950	.095	1.27	.18530	.001	1
S4	15.000	14.708	-.292	-1.95	.35920	.001	1
S5	30.000	30.196	.196	.653	.73784	.003	1

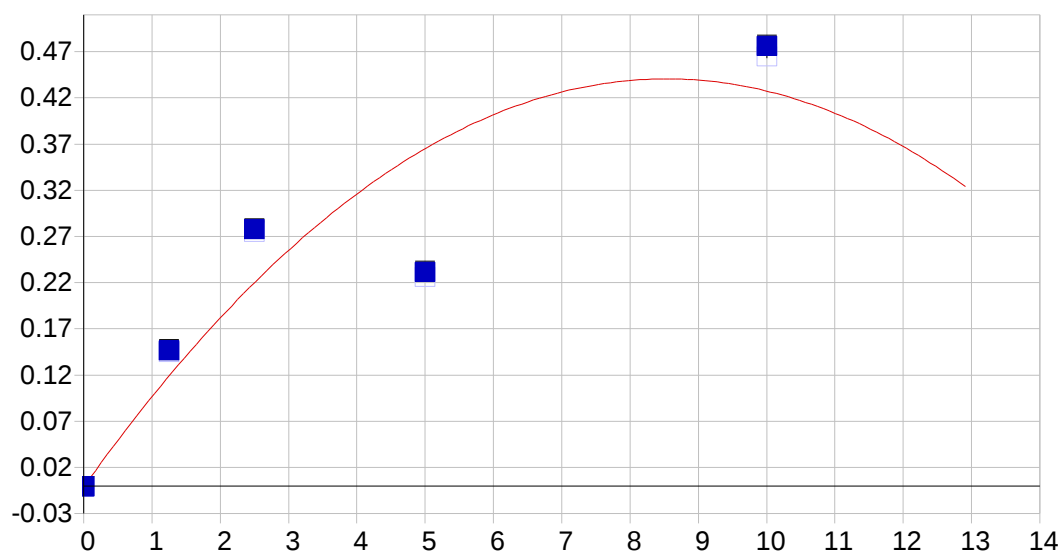


K 769.896 { 44 }

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.024974 Re-Slope: 1.000000
 A1 (Gain): 0.031072 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999932 Status: OK.
 Std Error of Est: 0.000745
 Predicted MDL: 0.065758
 Predicted MQL: 0.219192

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00041	.000	.000	.02499	.002	1
S1	5.0000	4.6209	-.379	-7.58	.16855	.003	1
S2	37.500	37.358	-.142	-.378	1.1858	.004	1
S3	75.000	75.362	.362	.483	2.3666	.011	1
S4	150.00	147.92	-2.08	-1.39	4.6210	.010	1
S5	300.00	302.24	2.24	.747	9.4161	.018	1

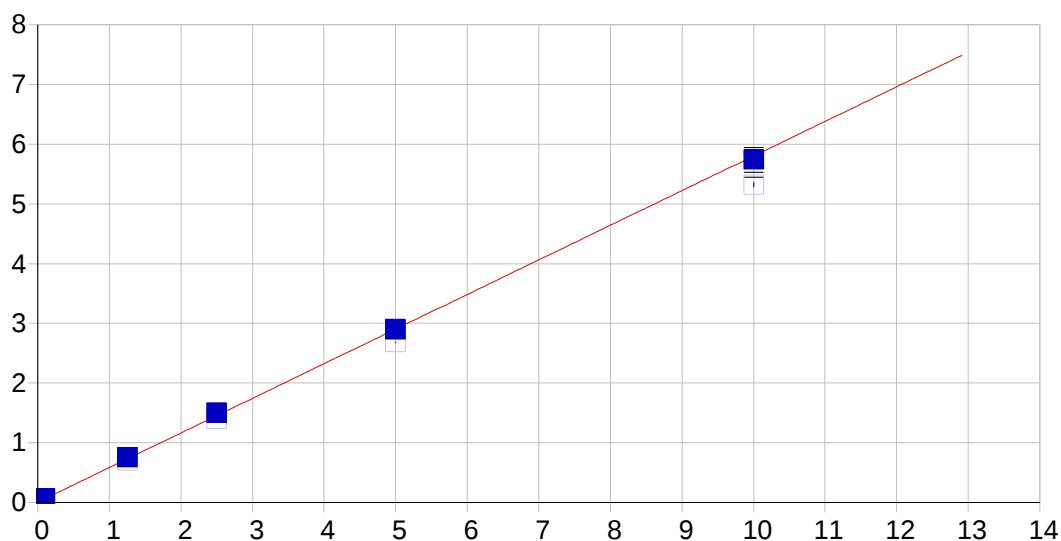


P 177.495 {490}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.001144 Re-Slope: 1.000000
 A1 (Gain): 0.103598 Y-int: 0.000000
 A2 (Curvature): -0.006074
 n (Exponent): 1.000000
 Correlation: 0.963011 Status: OK.
 Std Error of Est: 0.000340
 Predicted MDL: 0.000969
 Predicted MQL: 0.003229

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00114	.000	1
S1	.01000	.00370	-.006	-63.0	-.00076	.000	1
S2	1.2500	1.5668	.317	25.3	.14481	.001	1
S3	2.5000	3.3491	.849	34.0	.27479	.001	1
S4	5.0000	2.6630	-2.34	-46.7	.22586	.001	1
S5	10.000	.00000	-10.0	-100.	.46465	.001	1

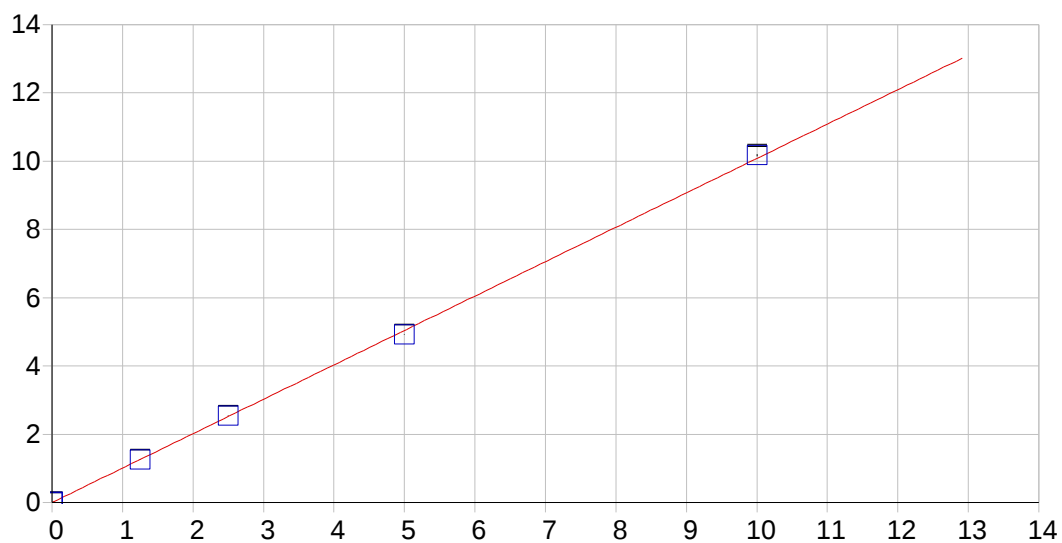


B 249.678 {135}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005328 Re-Slope: 1.000000
 A1 (Gain): 0.579513 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999850 Status: OK.
 Std Error of Est: 0.000494
 Predicted MDL: 0.001011
 Predicted MQL: 0.003370

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00533	.000	1
S1	.10000	.09919	-.001	-.813	.06269	.000	1
S2	1.2500	1.2916	.042	3.33	.70127	.002	1
S3	2.5000	2.5762	.076	3.05	1.3931	.003	1
S4	5.0000	4.9884	-.012	-.232	2.6859	.009	1
S5	10.000	9.8946	-.105	-1.05	5.3188	.042	1



Date of Fit: 11/30/2018 16:57:37

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000675

Re-Slope: 1.000000

A1 (Gain): 1.007941

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999896

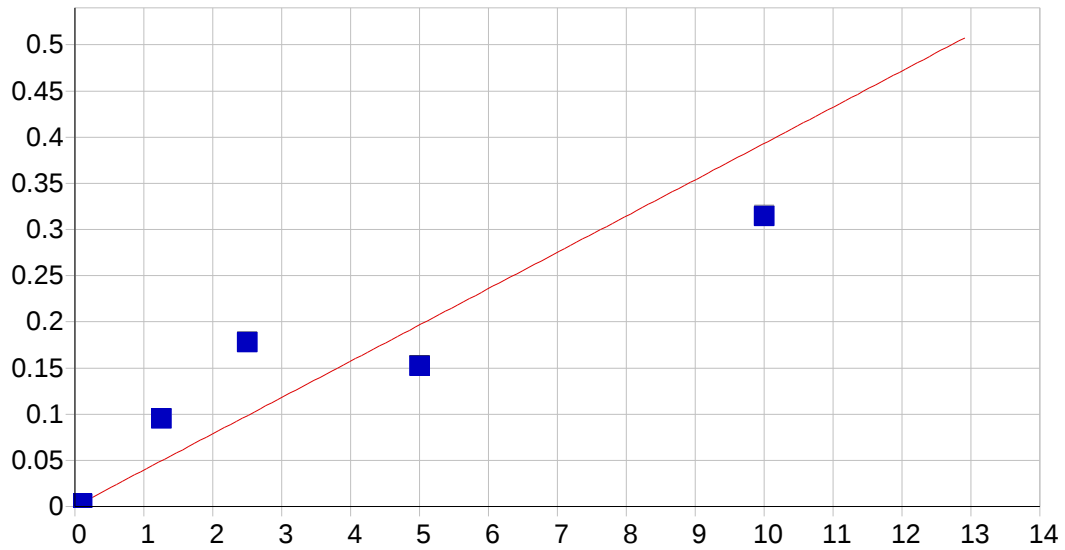
Status: OK.

Std Error of Est: 0.000244

Predicted MDL: 0.000247

Predicted MQL: 0.000825

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00068	.000	1
S1	.01000	.00958	.000	-4.19	.01033	.000	1
S2	1.2500	1.2492	-.001	-.064	1.2598	.004	1
S3	2.5000	2.5256	.026	1.02	2.5463	.004	1
S4	5.0000	4.8826	-.117	-2.35	4.9220	.005	1
S5	10.000	10.093	.093	.931	10.174	.026	1

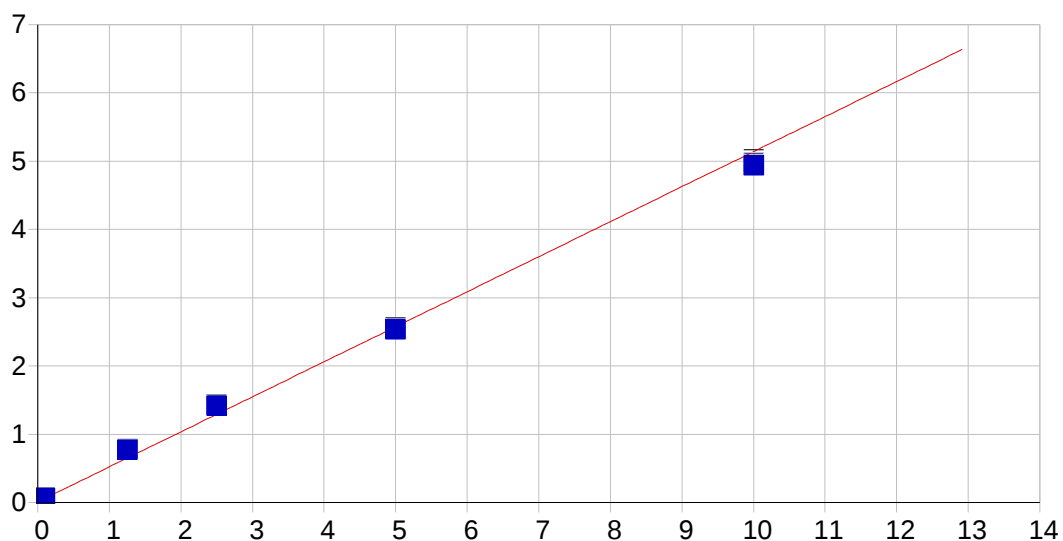


S 182.034 {485}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000148 Re-Slope: 1.000000
 A1 (Gain): 0.039295 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.921078 Status: OK.
 Std Error of Est: 0.000885
 Predicted MDL: 0.002765
 Predicted MQL: 0.009215

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00010	.000	.000	.00014	.000	1
S1	.10000	.06866	-.031	-31.3	.00285	.000	1
S2	1.2500	2.4099	1.16	92.8	.09495	.000	1
S3	2.5000	4.5203	2.02	80.8	.17798	.000	1
S4	5.0000	3.8621	-1.14	-22.8	.15233	.001	1
S5	10.000	7.9889	-2.01	-20.1	.31490	.000	1

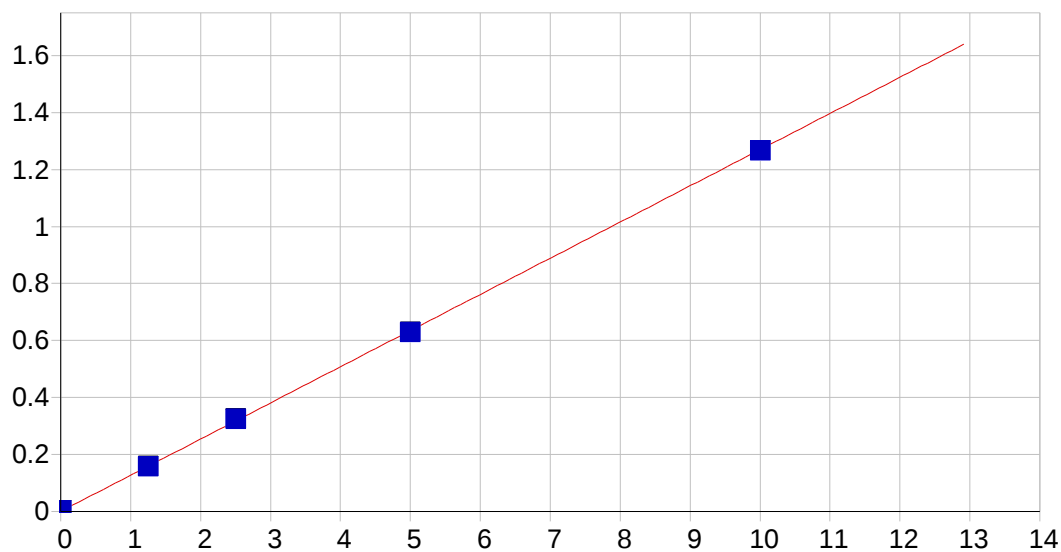


Si 251.611 {134}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.009119 Re-Slope: 1.000000
 A1 (Gain): 0.513099 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.997756 Status: OK.
 Std Error of Est: 0.001846
 Predicted MDL: 0.001175
 Predicted MQL: 0.003916

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	.000	.000	.00911	.000	1
S1	.10000	.09990	.000	-.101	.06056	.001	1
S2	1.2500	1.4877	.238	19.0	.77813	.003	1
S3	2.5000	2.7447	.245	9.79	1.4288	.004	1
S4	5.0000	4.9145	-.086	-1.71	2.5534	.013	1
S5	10.000	9.6032	-.397	-3.97	4.9819	.039	1

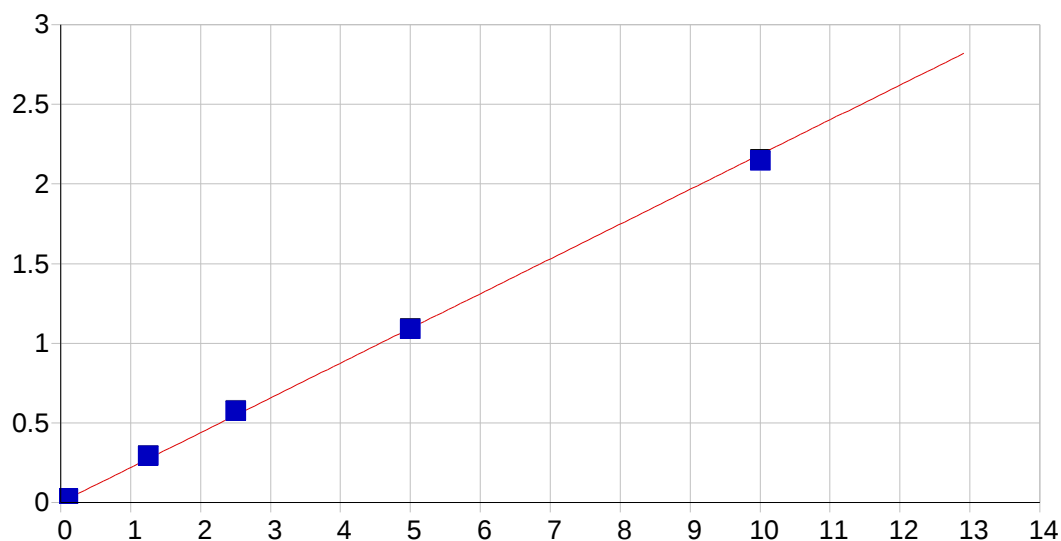


Sn 189.989 {478}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000338 Re-Slope: 1.000000
 A1 (Gain): 0.126944 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.997375 Status: OK.
 Std Error of Est: 0.000129
 Predicted MDL: 0.000859
 Predicted MQL: 0.002864

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	.000	.000	.00033	.000	1
S1	.00700	.03300	.026	371.	.00450	.000	1
S2	1.2500	1.2432	-.007	-.547	.15782	.001	1
S3	2.5000	2.5550	.055	2.20	.32403	.000	1
S4	5.0000	4.9505	-.050	-.991	.62746	.001	1
S5	10.000	9.9760	-.024	-.240	1.2641	.000	1

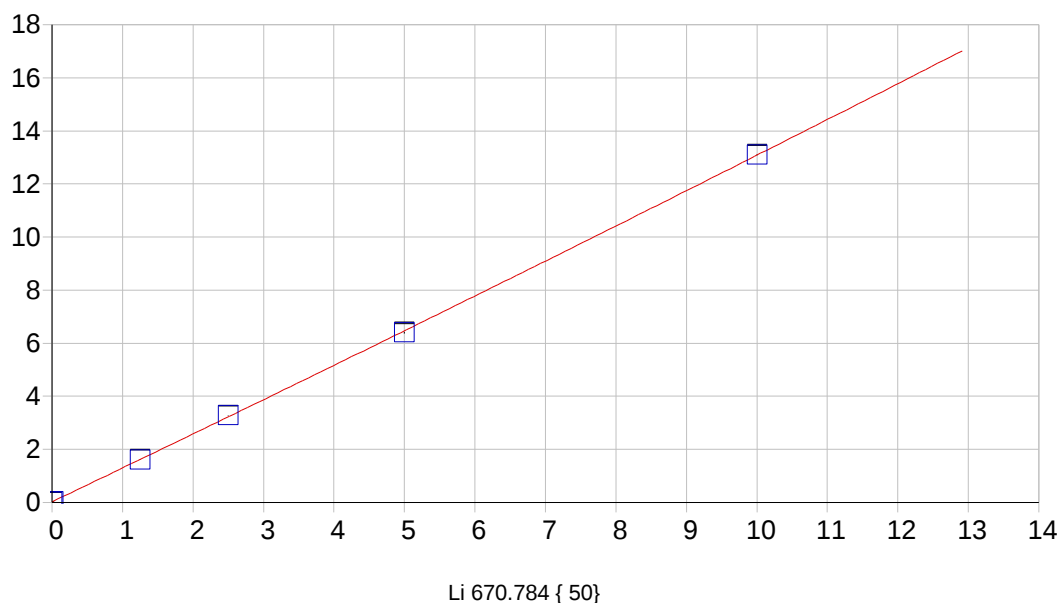


Ti 336.121 {100}

Date of Fit: 11/30/2018 16:57:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001639 Re-Slope: 1.000000
 A1 (Gain): 0.218279 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999622 Status: OK.
 Std Error of Est: 0.000319
 Predicted MDL: 0.002396
 Predicted MQL: 0.007986

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.00164	.000	1
S1	.10000	.09990	.000	-.096	.02344	.001	1
S2	1.2500	1.3301	.080	6.41	.29188	.000	1
S3	2.5000	2.6214	.121	4.86	.57366	.003	1
S4	5.0000	4.9743	-.026	-.513	1.0871	.005	1
S5	10.000	9.8242	-.176	-1.76	2.1453	.008	1



Date of Fit: 11/30/2018 16:57:37 Type of Fit: Curvilinear Weighting: 1/Conc

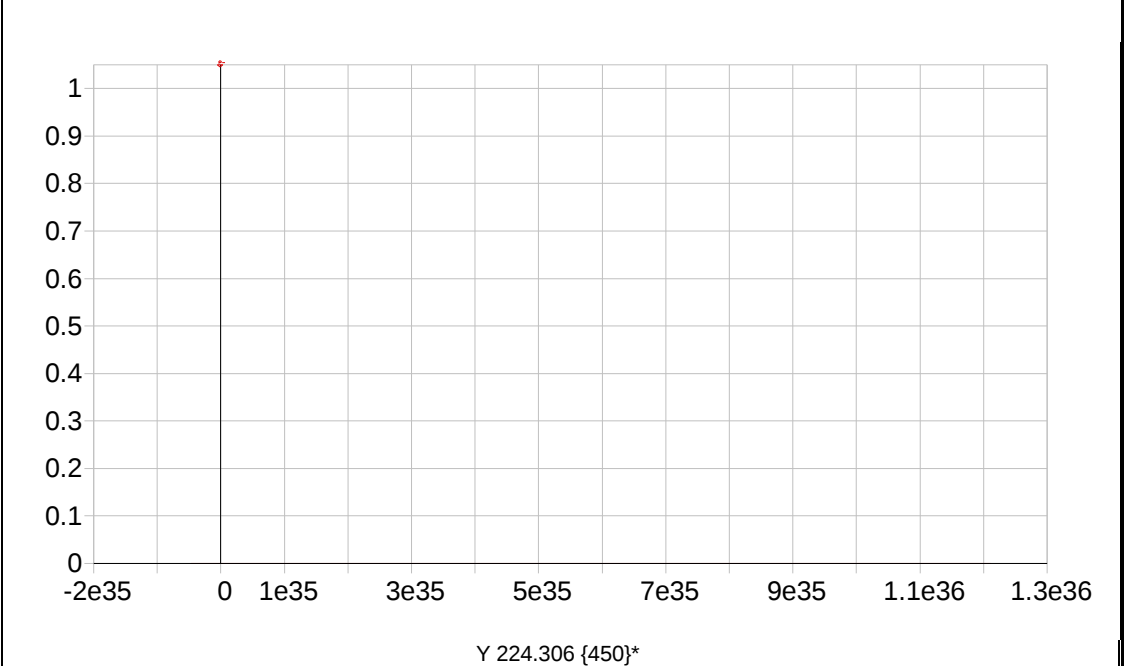
A0 (Offset): 0.028565 Re-Slope: 1.000000
 A1 (Gain): 1.270695 Y-int: 0.000000
 A2 (Curvature): 0.003474
 n (Exponent): 1.000000
 Correlation: 0.999935 Status: Warning Positive Curvature
 Std Error of Est: 0.000351
 Predicted MDL: 0.001827
 Predicted MQL: 0.006090

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.02857	.001	1
S5	10.000	10.014	.014	.144	13.102	.015	1
S4	5.0000	4.9507	-.049	-.986	6.4046	.033	1
S3	2.5000	2.5407	.041	1.63	3.2794	.015	1
S2	1.2500	1.2487	-.001	-.105	1.6207	.004	1
S1	.01500	.01054	-.004	-29.7	.04196	.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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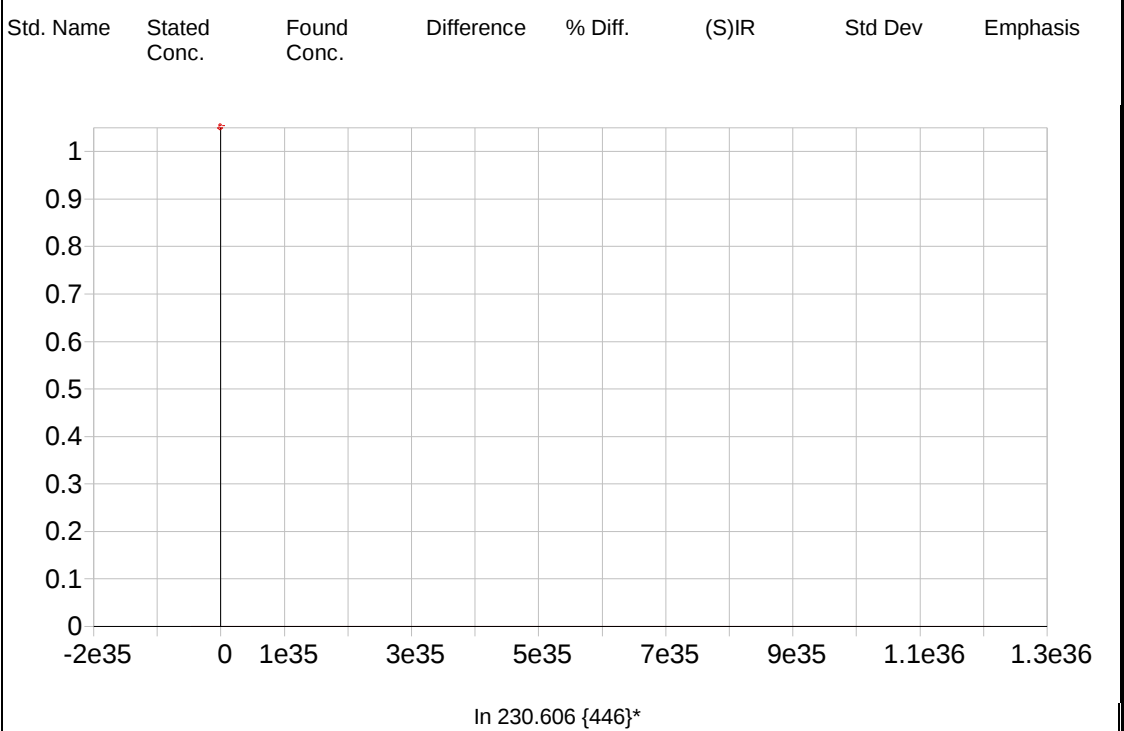
A0 (Offset):	0.000000	Re-Slope: 1.000000
A1 (Gain):	0.000000	Y-int: 0.000000





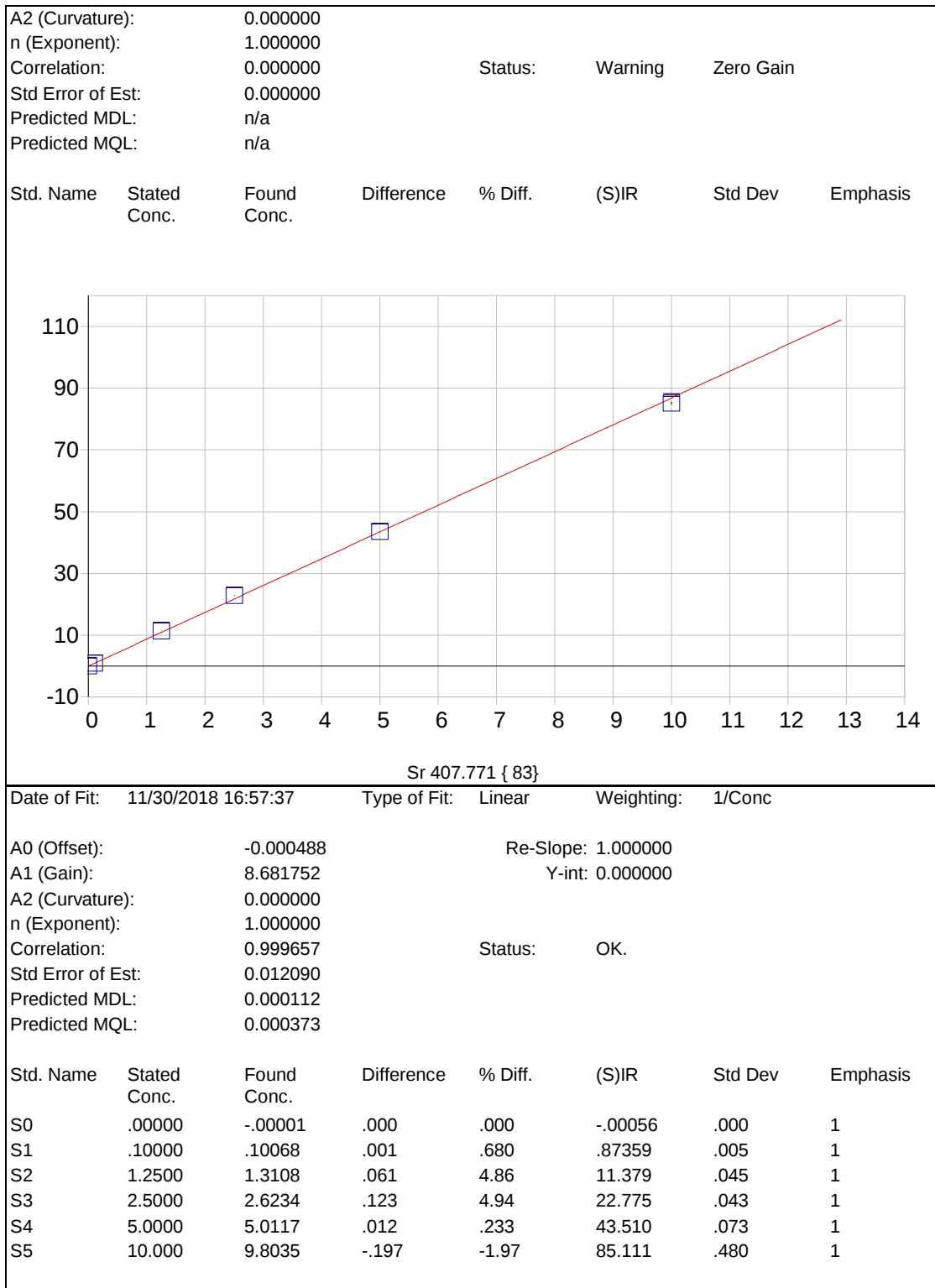
Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

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



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: 11/30/2018 15:56:47 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	-.00034	-.00062	-.00044	.00059	.00045	.00319	.01256	-.00274
Stddev	.00011	.00003	.00017	.00031	.00011	.00013	.00232	.00034
%RSD	32.055	4.5960	39.296	52.207	25.395	3.9438	18.495	12.447

#1	-.00024	-.00063	-.00062	.00072	.00032	.00312	.01229	-.00292
#2	-.00046	-.00059	-.00041	.00024	.00049	.00333	.01501	-.00234
#3	-.00032	-.00064	-.00028	.00082	.00053	.00311	.01039	-.00295

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00043	.00199	-.00003	.00028	.00067	.00024	.00009	-.00021
Stddev	.00008	.00071	.00003	.00014	.00011	.00019	.00002	.00014
%RSD	18.601	35.624	76.651	50.735	15.695	80.425	28.053	67.749

#1	.00051	.00122	.00000	.00012	.00077	.00046	.00006	-.00019
#2	.00036	.00213	-.00005	.00037	.00068	.00016	.00010	-.00037
#3	.00041	.00262	-.00005	.00035	.00056	.00010	.00010	-.00008

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00158	-.00085	-.00026	.00007	-.00038	.02499	-.00114	.00533
Stddev	.00022	.00019	.00164	.00013	.00011	.00191	.00000	.00033
%RSD	13.925	21.718	642.08	187.73	29.693	7.6312	.35281	6.1503

#1	-.00134	-.00069	-.00037	.00001	-.00043	.02620	-.00115	.00521
#2	-.00162	-.00081	.00144	.00022	-.00025	.02279	-.00114	.00570
#3	-.00178	-.00106	-.00184	-.00002	-.00045	.02597	-.00114	.00507

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	.00068	.00014	.00911	.00033	.00164	.02857	-.00056	
Stddev	.00003	.00004	.00039	.00005	.00050	.00061	.00043	
%RSD	4.8020	25.168	4.2694	13.835	30.487	2.1328	76.542	

#1	.00066	.00017	.00919	.00033	.00143	.02927	-.00093	
#2	.00071	.00016	.00945	.00038	.00221	.02813	-.00009	
#3	.00065	.00010	.00868	.00029	.00127	.02832	-.00068	

Sample Name: S0 Acquired: 11/30/2018 15:56:47 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	2408.9	2694.2	51192.	5015.1	4334.6
Stddev	9.3	2.9	267.	4.2	2.6
%RSD	.38715	.10831	.52177	.08300	.05931
#1	2405.0	2692.1	51055.	5010.4	4332.4
#2	2419.5	2693.0	51499.	5016.7	4333.8
#3	2402.1	2697.5	51020.	5018.2	4337.4

Sample Name: S1 Acquired: 11/30/2018 16:00:54 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	.00019	.00132	.00123	.00377	.01281	.01924	.75288	.05189
Stddev	.00021	.00006	.00027	.00018	.00007	.00039	.00267	.00014
%RSD	114.76	4.5665	22.146	4.7077	.53794	2.0117	.35513	.27079
#1	.00043	.00133	.00133	.00389	.01288	.01904	.75415	.05206
#2	.00006	.00138	.00092	.00357	.01275	.01900	.74980	.05183
#3	.00006	.00126	.00144	.00387	.01281	.01969	.75468	.05179
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	.01470	.00197	.00176	.03213	.00412	.00119	.00209	.02270
Stddev	.00013	.00054	.00003	.00012	.00024	.00026	.00018	.00048
%RSD	.89088	27.610	1.9215	.36935	5.8099	22.030	8.6427	2.1272
#1	.01478	.00157	.00178	.03207	.00436	.00113	.00220	.02232
#2	.01455	.00259	.00172	.03205	.00388	.00096	.00220	.02253
#3	.01476	.00175	.00177	.03226	.00413	.00147	.00188	.02324
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	.02372	.00107	.03517	.00258	.00084	.16855	-.00076	.06269
Stddev	.00004	.00010	.00196	.00031	.00026	.00264	.00003	.00012
%RSD	.18971	8.9791	5.5623	12.204	30.727	1.5669	4.3472	.19869
#1	.02372	.00113	.03742	.00252	.00082	.16626	-.00073	.06278
#2	.02376	.00096	.03399	.00230	.00059	.16796	-.00080	.06274
#3	.02367	.00112	.03408	.00292	.00110	.17144	-.00076	.06255
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	.01033	.00285	.06056	.00450	.02344	.04196	.87359	
Stddev	.00009	.00009	.00081	.00003	.00050	.00239	.00479	
%RSD	.87762	3.2317	1.3361	.62396	2.1478	5.6895	.54877	
#1	.01024	.00291	.06057	.00450	.02308	.04140	.86837	
#2	.01042	.00288	.05974	.00453	.02323	.03990	.87461	
#3	.01034	.00274	.06136	.00447	.02402	.04457	.87780	

Sample Name: S1 Acquired: 11/30/2018 16:00:54 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	2420.4	2687.0	51486.	4997.5	4354.2
Stddev	3.5	6.0	73.	14.6	11.0
%RSD	.14277	.22153	.14165	.29217	.25254
#1	2424.3	2681.4	51571.	4990.4	4345.6
#2	2419.4	2686.4	51441.	4987.8	4350.4
#3	2417.6	2693.2	51448.	5014.3	4366.6

Sample Name: S2 Acquired: 11/30/2018 16:05:02 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	.07551	.10129	1.0046	.12342	.26878	3.0945	9.5535	1.3957
Stddev	.00015	.00061	.0038	.00014	.00156	.0059	.0321	.0083
%RSD	.20215	.60502	.38214	.11432	.58080	.19178	.33596	.59119

#1	.07560	.10192	1.0089	.12348	.27026	3.0984	9.5874	1.4046
#2	.07559	.10124	1.0035	.12326	.26893	3.0974	9.5496	1.3943
#3	.07533	.10070	1.0015	.12352	.26715	3.0877	9.5235	1.3883

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	1.7221	1.9489	.65350	.41389	.49361	.43923	.52395	.30104
Stddev	.0047	.0046	.00054	.00171	.00071	.00060	.00191	.00073
%RSD	.27090	.23556	.08224	.41204	.14345	.13585	.36441	.24193

#1	1.7274	1.9521	.65390	.41577	.49442	.43857	.52355	.30181
#2	1.7205	1.9508	.65289	.41344	.49332	.43974	.52602	.30096
#3	1.7185	1.9436	.65371	.41245	.49310	.43937	.52227	.30036

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	.39964	.06173	.29714	.03698	.09160	1.1858	.14481	.70127
Stddev	.00127	.00022	.00052	.00016	.00153	.0039	.00111	.00213
%RSD	.31678	.35969	.17572	.43401	1.6684	.33027	.76787	.30377

#1	.40105	.06153	.29712	.03716	.09108	1.1901	.14582	.70373
#2	.39925	.06197	.29767	.03687	.09332	1.1825	.14500	.70012
#3	.39861	.06168	.29662	.03691	.09040	1.1847	.14362	.69996

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	1.2598	.09495	.77813	.15782	.29188	1.6207	11.379	
Stddev	.0039	.00030	.00321	.00068	.00041	.0038	.045	
%RSD	.30938	.31942	.41192	.42945	.14119	.23231	.39354	

#1	1.2640	.09522	.78035	.15853	.29142	1.6249	11.425	
#2	1.2564	.09502	.77445	.15776	.29202	1.6177	11.378	
#3	1.2589	.09462	.77957	.15718	.29221	1.6194	11.336	

Sample Name: S2 Acquired: 11/30/2018 16:05:02 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	2332.2	2565.3	50547.	4889.9	4073.9
Stddev	8.2	11.3	39.	29.7	18.5
%RSD	.35052	.44014	.07715	.60783	.45296
#1	2324.0	2552.4	50581.	4855.9	4053.2
#2	2332.3	2573.4	50504.	4911.1	4079.9
#3	2340.4	2570.0	50557.	4902.8	4088.5

Sample Name: S3 Acquired: 11/30/2018 16:08:56 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	.15348	.20391	2.0393	.24318	.54255	6.1224	19.168	2.7181
Stddev	.00054	.00038	.0024	.00111	.00110	.0404	.083	.0032
%RSD	.35340	.18584	.11755	.45568	.20204	.66030	.43461	.11686

#1	.15346	.20426	2.0410	.24246	.54129	6.0760	19.079	2.7145
#2	.15295	.20351	2.0365	.24262	.54328	6.1408	19.181	2.7198
#3	.15404	.20397	2.0404	.24445	.54308	6.1503	19.244	2.7202

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	3.4478	3.7305	1.2882	.84087	.97163	.85326	1.0082	.59683
Stddev	.0020	.0297	.0028	.00108	.00403	.00785	.0114	.00342
%RSD	.05866	.79529	.21667	.12821	.41476	.92041	1.1270	.57346

#1	3.4472	3.6974	1.2914	.84174	.96700	.84477	.99603	.59293
#2	3.4461	3.7547	1.2868	.83966	.97356	.86027	1.0186	.59828
#3	3.4501	3.7394	1.2864	.84119	.97433	.85474	1.0099	.59930

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	.81089	.12712	.58475	.07275	.18530	2.3666	.27479	1.3931
Stddev	.00053	.00040	.00491	.00072	.00059	.0112	.00069	.0030
%RSD	.06576	.31511	.83920	.98334	.31772	.47348	.25036	.21710

#1	.81138	.12755	.57916	.07205	.18523	2.3543	.27557	1.3935
#2	.81032	.12676	.58834	.07274	.18475	2.3761	.27454	1.3899
#3	.81098	.12706	.58676	.07348	.18592	2.3694	.27426	1.3959

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	2.5463	.17798	1.4288	.32403	.57366	3.2794	22.775	
Stddev	.0037	.00033	.0042	.00024	.00318	.0147	.043	
%RSD	.14734	.18434	.29125	.07424	.55377	.44942	.18916	

#1	2.5430	.17774	1.4257	.32380	.57000	3.2634	22.793	
#2	2.5455	.17785	1.4272	.32428	.57575	3.2824	22.726	
#3	2.5504	.17836	1.4335	.32401	.57522	3.2924	22.807	

Sample Name: S3 Acquired: 11/30/2018 16:08:56 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	2278.8	2472.9	50074.	4937.8	3877.7
Stddev	4.4	2.9	74.	14.4	3.6
%RSD	.19349	.11851	.14763	.29161	.09307
#1	2275.5	2474.6	50056.	4953.7	3873.9
#2	2283.8	2474.5	50155.	4934.1	3881.0
#3	2277.0	2469.5	50011.	4925.6	3878.3

Sample Name: S4 Acquired: 11/30/2018 16:12:45 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	.29988	.38673	3.9906	.46001	1.0560	11.901	36.999	5.1723
Stddev	.00046	.00104	.0082	.00086	.0039	.023	.113	.0255
%RSD	.15180	.26783	.20462	.18608	.36520	.19185	.30411	.49287

#1	.30037	.38626	3.9879	.45994	1.0551	11.875	36.874	5.1937
#2	.29978	.38602	3.9841	.45919	1.0526	11.913	37.032	5.1441
#3	.29948	.38792	3.9998	.46090	1.0602	11.916	37.091	5.1791

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	6.6022	7.2756	2.4116	1.6308	1.8568	1.6019	1.9034	1.1601
Stddev	.0160	.0236	.0034	.0033	.0070	.0079	.0056	.0062
%RSD	.24303	.32437	.14170	.20338	.37516	.49419	.29402	.53625

#1	6.5951	7.2484	2.4083	1.6286	1.8505	1.5928	1.8970	1.1554
#2	6.5909	7.2891	2.4151	1.6292	1.8556	1.6055	1.9075	1.1578
#3	6.6206	7.2895	2.4115	1.6346	1.8643	1.6074	1.9055	1.1671

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	1.5612	.24630	1.1244	.13849	.35920	4.6210	.22586	2.6859
Stddev	.0037	.00139	.0026	.00026	.00068	.0103	.00072	.0094
%RSD	.23675	.56447	.23354	.18517	.18922	.22275	.31826	.35006

#1	1.5595	.24575	1.1215	.13821	.35873	4.6114	.22589	2.6933
#2	1.5587	.24788	1.1267	.13854	.35998	4.6198	.22513	2.6753
#3	1.5655	.24527	1.1248	.13871	.35890	4.6319	.22657	2.6890

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	4.9220	.15233	2.5534	.62746	1.0871	6.4046	43.510	
Stddev	.0050	.00060	.0131	.00139	.0046	.0328	.073	
%RSD	.10055	.39376	.51406	.22225	.42584	.51275	.16817	

#1	4.9197	.15224	2.5653	.62695	1.0817	6.3667	43.509	
#2	4.9186	.15177	2.5393	.62639	1.0902	6.4222	43.437	
#3	4.9277	.15296	2.5556	.62903	1.0893	6.4248	43.583	

Sample Name: S4 Acquired: 11/30/2018 16:12:45 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	2167.4	2324.2	49124.	4832.4	3612.9
Stddev	9.5	2.3	188.	19.0	6.2
%RSD	.44032	.09967	.38360	.39296	.17070
#1	2159.7	2323.5	49166.	4815.8	3611.3
#2	2164.3	2326.8	48918.	4853.1	3619.7
#3	2178.1	2322.3	49288.	4828.2	3607.7

Sample Name: S5 Acquired: 11/30/2018 16:16:32 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	.62770	.75708	8.0488	.91095	2.1997	24.131	73.756	10.041
Stddev	.00145	.00057	.0099	.00420	.0036	.071	.603	.068
%RSD	.23106	.07500	.12307	.46069	.16188	.29568	.81693	.67513

#1	.62603	.75725	8.0422	.90657	2.1958	24.212	73.193	10.040
#2	.62865	.75645	8.0439	.91132	2.2006	24.103	74.391	10.110
#3	.62842	.75755	8.0602	.91494	2.2028	24.078	73.685	9.9742

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	13.084	14.393	4.6764	3.2836	3.7062	3.1070	3.7022	2.3269
Stddev	.024	.085	.0113	.0056	.0127	.0222	.0310	.0141
%RSD	.18349	.58745	.24232	.17030	.34182	.71399	.83827	.60785

#1	13.057	14.491	4.6816	3.2816	3.7189	3.1318	3.7372	2.3424
#2	13.091	14.347	4.6841	3.2793	3.7063	3.1002	3.6913	2.3237
#3	13.104	14.342	4.6634	3.2899	3.6935	3.0890	3.6781	2.3146

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	3.1228	.50646	2.2452	.27225	.73784	9.4161	.46465	5.3188
Stddev	.0033	.00203	.0050	.00147	.00278	.0178	.00132	.0421
%RSD	.10539	.40034	.22033	.54140	.37736	.18933	.28388	.79152

#1	3.1214	.50870	2.2494	.27395	.73565	9.4247	.46426	5.3242
#2	3.1204	.50593	2.2464	.27155	.74097	9.4280	.46358	5.3579
#3	3.1265	.50474	2.2398	.27126	.73689	9.3956	.46612	5.2743

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	10.174	.31490	4.9819	1.2641	2.1453	13.102	85.111	
Stddev	.026	.00040	.0386	.0001	.0079	.015	.480	
%RSD	.25950	.12627	.77432	.01196	.36842	.11152	.56398	

#1	10.150	.31510	4.9807	1.2641	2.1534	13.119	85.347	
#2	10.170	.31444	5.0211	1.2643	2.1449	13.095	85.427	
#3	10.202	.31516	4.9440	1.2640	2.1376	13.093	84.558	

Sample Name: S5 Acquired: 11/30/2018 16:16:32 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	2030.5	2115.8	48186.	4783.4	3327.4
Stddev	8.0	3.9	164.	30.4	4.2
%RSD	.39354	.18368	.33948	.63651	.12706
#1	2039.7	2119.7	48004.	4776.8	3328.7
#2	2026.9	2115.8	48232.	4756.8	3330.8
#3	2024.9	2112.0	48322.	4816.6	3322.7

Sample Name: S6 Acquired: 11/30/2018 16:20:35 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	65.673	23.806	8.4473	3.8094	6.3950
Stddev	.399	.201	.0469	.0168	.0416
%RSD	.60794	.84609	.55462	.44069	.65104

#1	65.927	23.881	8.4608	3.8097	6.4174
#2	65.212	23.578	8.3951	3.7924	6.3470
#3	65.878	23.959	8.4858	3.8260	6.4207

Int. Std.	Y_3710
Units	Cts/S
Avg	4768.5
Stddev	21.8
%RSD	.45662

#1	4754.7
#2	4793.6
#3	4757.3

Sample Name: ICV Acquired: 11/30/2018 16:24:40 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	.9605732	1.106538	.9699029	1.045745	.9582797	2.354157
Stddev	.0035547	.001547	.0012961	.001158	.0003684	.006801
%RSD	.3700591	.1398333	.1336304	.1107203	.0384489	.2888768

#1	.9595125	1.108300	.9684354	1.046233	.9586685	2.357238
#2	.9576697	1.105400	.9703828	1.046579	.9579357	2.358872
#3	.9645376	1.105913	.9708907	1.044423	.9582350	2.346361

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5179288	.5015608	.5146559	10.23805	F .5502977	.5065496
Stddev	.0012659	.0009365	.0006008	.07377	.0025007	.0003420
%RSD	.2444053	.1867159	.1167291	.7205588	.4544355	.0675197

#1	.5189660	.5005487	.5143573	10.15477	.5525686	.5062244
#2	.5183022	.5023967	.5153474	10.26418	.5507070	.5065183
#3	.5165183	.5017370	.5142629	10.29520	.5476176	.5069063

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5298538	5.366700	.5159575	5.757467	.5165896	.4750790
Stddev	.0059213	.049675	.0024365	.026782	.0001463	.0034099
%RSD	1.117542	.9256117	.4722330	.4651648	.0283158	.7177620

#1	.5255617	5.399566	.5132901	5.726906	.5164815	.4712605
#2	.5366091	5.309555	.5165165	5.768648	.5165311	.4778200
#3	.5273905	5.390979	.5180660	5.776846	.5167560	.4761566

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.759028	.5316510	.9815976	9.846252	F .2598513	4.986139
Stddev	.311721	.0042420	.0180318	.042297	.0012171	.019120
%RSD	3.194182	.7978849	1.836988	.4295773	.4683816	.3834557

#1	9.401481	.5363252	.9688909	9.859552	.2588814	4.964749
#2	9.973722	.5305821	.9736664	9.880301	.2612170	5.001569
#3	9.901881	.5280457	1.002236	9.798904	.2594553	4.992098

Sample Name: ICV Acquired: 11/30/2018 16:24:40 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	4.788803	F .4408743	4.915397	4.832240	5.132378	5.101343
Stddev	.010315	.0019295	.016154	.003244	.005937	.002667
%RSD	.2153936	.4376629	.3286313	.0671270	.1156717	.0522876

#1	4.792784	.4390771	4.897607	4.835536	5.126752	5.102278
#2	4.777091	.4429134	4.919436	4.829052	5.138583	5.103416
#3	4.796534	.4406323	4.929148	4.832131	5.131800	5.098333

Elem	Sr4077
Units	ppm
Avg	F .5848141
Stddev	.0015786
%RSD	.2699333

#1	.5865736
#2	.5843466
#3	.5835220

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2350.044	2621.126	50192.44	4917.715	4189.804
Stddev	17.428	2.795	203.36	27.989	7.152
%RSD	.7415975	.1066188	.4051692	.5691530	.1706959

#1	2366.693	2618.809	50424.67	4942.356	4188.275
#2	2351.510	2624.230	50106.49	4923.507	4183.540
#3	2331.930	2620.341	50046.16	4887.283	4197.596

Sample Name: ICB Acquired: 11/30/2018 16:33:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	-.001159	-.000446	.0010723	-.000218	.0010375	-.007459	-.000033
Stddev	.002644	.000964	.0012940	.002787	.0004349	.004540	.000820
%RSD	228.2095	216.1704	120.6758	1275.642	41.92087	60.86539	2487.473

#1	-.003901	.000628	-.000217	-.001687	.0015070	-.004784	-.000901
#2	.001374	-.000728	.002371	.002996	.0006483	-.012702	.000074
#3	-.000948	-.001237	.001062	-.001964	.0009574	-.004892	.000728

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000060	.0000215	.0010243	.0004139	-.000272	.0051585	-.004159
Stddev	.000049	.0000607	.0078394	.0001019	.000147	.0034145	.023899
%RSD	81.18353	282.2198	765.3739	24.62086	54.16082	66.19229	574.5779

#1	-.000066	-.000011	-.000915	.0003372	-.000127	.0031424	.015897
#2	-.000106	-.000016	-.005663	.0005295	-.000268	.0091010	-.030604
#3	-.000009	.000091	.009651	.0003749	-.000422	.0032322	.002229

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000141	.0578917	.0002004	.0003538	.1224325	-.000966	.0036387
Stddev	.0011457	.0358114	.0002378	.0003042	.0955159	.003342	.0053421
%RSD	8139.469	61.85936	118.6210	85.97014	78.01517	345.7882	146.8128

#1	.0003551	.0853663	.0000402	.0001919	.2004385	-.002461	.0088111
#2	-.001263	.0173903	.0004736	.0001649	.0159048	.002862	.0039633
#3	.000951	.0709184	.0000875	.0007047	.1509541	-.003301	-.001858

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006724	-.000324	.0022114	.0002299	.0021940	-.000524	.0011225
Stddev	.010772	.000172	.0008668	.0001437	.0020745	.000633	.0004258
%RSD	160.2063	52.94632	39.19914	62.50397	94.55365	120.6847	37.93109

#1	-.000032	-.000317	.0017189	.0003645	.0027115	-.001211	.0006316
#2	-.019151	-.000499	.0017030	.0002467	.0039607	.000037	.0013912
#3	-.000990	-.000156	.0032123	.0000786	-.000090	-.000400	.0013449

Sample Name: ICB Acquired: 11/30/2018 16:33:17 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	-.000624	.0004000	.0000622
Stddev	.001722	.0003982	.0000887
%RSD	276.0055	99.54618	142.5400

#1	.001359	-.000024	.0001083
#2	-.001485	.000766	-.000040
#3	-.001745	.000459	.000119

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2425.630	2715.853	51518.37	5081.433	4364.654
Stddev	5.679	4.253	227.03	8.194	2.670
%RSD	.2341287	.1566165	.4406723	.1612580	.0611742

#1	2430.678	2717.036	51773.89	5072.475	4362.575
#2	2426.732	2711.133	51339.89	5083.275	4363.720
#3	2419.481	2719.389	51441.32	5088.550	4367.665

Sample Name: ICSA Acquired: 11/30/2018 16:53:58 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	.0004615	.0042234	.0025320	-.017851	.0043570	225.6825
Stddev	.0050804	.0006667	.0021182	.004474	.0012404	.5374
%RSD	1100.948	15.78469	83.65481	25.06179	28.46864	.2381157

#1	-.004663	.0049848	.0004913	-.019059	.0049049	225.3365
#2	.000550	.0037447	.0047200	-.012897	.0052292	225.4094
#3	.005497	.0039408	.0023848	-.021597	.0029371	226.3016

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047727	.0007259	.0010328	237.7102	.0584061	.0022169
Stddev	.0006910	.0000660	.0000094	1.0254	.0004623	.0001050
%RSD	14.47891	9.090911	.9082781	.4313501	.7915709	4.736690

#1	.0040812	.0007564	.0010222	237.4307	.0588679	.0023199
#2	.0047737	.0007710	.0010358	236.8536	.0584072	.0022209
#3	.0054632	.0006501	.0010402	238.8463	.0579432	.0021100

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032411	98.35424	.0100875	240.6792	.0014088	-.008191
Stddev	.0030160	.31148	.0016833	.6226	.0005084	.000644
%RSD	93.05369	.3166944	16.68707	.2586879	36.08598	7.857649

#1	-.000149	98.29166	.0107687	240.4375	.0018972	-.007920
#2	.005627	98.07879	.0113234	240.2136	.0014466	-.007727
#3	.004245	98.69225	.0081703	241.3864	.0008825	-.008925

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.281465	-.004223	.0176495	-.137889	.0039350	F .0136914
Stddev	.290142	.001402	.0132152	.059363	.0010562	.0003132
%RSD	103.0828	33.21204	74.87575	43.05097	26.84203	2.287225

#1	-.273599	-.004759	.0222363	-.136146	.0027360	.0133533
#2	.004664	-.005278	.0027520	-.198104	.0043414	.0139714
#3	-.575459	-.002631	.0279602	-.079417	.0047277	.0137496

Sample Name: ICSA Acquired: 11/30/2018 16:53:58 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) 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	.0011152	.0079676	-.000808	-.001327	-.003235	.0065536
Stddev	.0001458	.0017640	.000480	.000196	.001746	.0003040
%RSD	13.07837	22.13931	59.36787	14.75515	53.96004	4.638410

#1	.0010343	.0096864	-.000938	-.001113	-.002076	.0062847
#2	.0012835	.0080547	-.001210	-.001497	-.002387	.0064927
#3	.0010277	.0061617	-.000277	-.001371	-.005243	.0068835

Elem	Sr4077
Units	ppm
Avg	.0967148
Stddev	.0003682
%RSD	.3807361

#1	.0963208
#2	.0967734
#3	.0970502

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2319.428	2539.671	50235.51	4983.441	3877.665
Stddev	4.225	4.629	112.07	22.268	6.304
%RSD	.1821667	.1822803	.2230853	.4468466	.1625802

#1	2316.473	2536.891	50112.86	4989.990	3872.598
#2	2317.543	2545.015	50261.11	5001.700	3884.725
#3	2324.268	2537.107	50332.56	4958.632	3875.672

Sample Name: ICSAB Acquired: 11/30/2018 16:59:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0937857	.1104690	.0502633	.0314348	.6086312	235.0814	.5164832
Stddev	.0049651	.0043420	.0023292	.0019835	.0029138	1.2083	.0025584
%RSD	5.294119	3.930534	4.634083	6.309822	.4787384	.5139892	.4953591

#1	.0992346	.1140968	.0494283	.0330658	.6116408	234.6758	.5169484
#2	.0926053	.1056581	.0484666	.0292268	.6058239	236.4404	.5187771
#3	.0895171	.1116522	.0528949	.0320119	.6084289	234.1282	.5137240

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5038897	1.003984	247.0486	.5904316	.4977021	.5166604	102.3608
Stddev	.0037146	.002941	1.2798	.0020687	.0024131	.0028787	.5224
%RSD	.7371854	.2929686	.5180352	.3503673	.4848415	.5571843	.5103863

#1	.5017178	1.006852	246.7325	.5927964	.5003095	.5199348	102.6654
#2	.5081789	1.004126	248.4568	.5889573	.4972492	.5145271	102.6596
#3	.5017726	1.000975	245.9564	.5895411	.4955476	.5155194	101.7576

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5223212	250.1105	.9987121	.1958124	-.224318	.5013783	1.004157
Stddev	.0036677	1.0711	.0043909	.0012808	.101526	.0049926	.007264
%RSD	.7021957	.4282560	.4396557	.6540706	45.25960	.9957697	.7233524

#1	.5216007	250.1357	1.003760	.1946567	-.123878	.5069638	1.003306
#2	.5262957	251.1688	.995773	.1971893	-.326895	.4998218	1.011808
#3	.5190672	249.0270	.996604	.1955911	-.222181	.4973495	.997356

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.243257	.0022572	.0097109	.0009369	.0082342	-.000893	-.002178
Stddev	.082342	.0014690	.0029062	.0002567	.0011349	.000873	.000740
%RSD	33.84999	65.08100	29.92684	27.40119	13.78217	97.81091	33.98053

#1	-.337517	.0005625	.0129886	.0008661	.0094870	-.000723	-.002745
#2	-.185334	.0030421	.0074491	.0007230	.0079407	-.001839	-.001341
#3	-.206918	.0031672	.0086949	.0012216	.0072750	-.000117	-.002447

Sample Name: ICSAB Acquired: 11/30/2018 16:59:17 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: ICSAB Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.005430	.0011116	.1007787
Stddev	.002347	.0004133	.0004230
%RSD	43.22466	37.17833	.4196875

#1	-.004290	.0006581	.1008957
#2	-.003870	.0012096	.1011308
#3	-.008129	.0014670	.1003095

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2299.511	2515.526	49966.26	4917.032	3849.379
Stddev	8.957	15.698	107.84	20.438	20.170
%RSD	.3895334	.6240546	.2158173	.4156510	.5239907

#1	2289.168	2499.004	49869.75	4921.248	3827.220
#2	2304.653	2517.330	50082.65	4894.814	3854.246
#3	2304.713	2530.245	49946.39	4935.032	3866.671

Sample Name: CCV030 Acquired: 11/30/2018 17:03:15 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV030 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.616382	4.668441	23.73782	F 4.483380	4.658963	398.1781
Stddev	.003507	.010421	.07840	.003729	.010227	.3944
%RSD	.0759655	.2232202	.3302559	.0831738	.2195108	.0990574

#1	4.620430	4.656467	23.65711	4.480876	4.663647	398.4972
#2	4.614433	4.673401	23.74267	4.481598	4.647232	398.3000
#3	4.614282	4.675456	23.81367	4.487666	4.666008	397.7371

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.602974	.4858382	2.399154	401.5792	14.69666	2.421244
Stddev	.016371	.0011333	.007154	.8156	.04240	.007702
%RSD	.1704820	.2332674	.2981911	.2030893	.2885236	.3180811

#1	9.602517	.4860960	2.392248	402.2507	14.64795	2.415342
#2	9.619569	.4868205	2.398680	400.6716	14.72530	2.418433
#3	9.586836	.4845983	2.406533	401.8152	14.71674	2.429956

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.43259	402.2163	14.47632	407.5155	2.413035	1.210371
Stddev	.01780	.8734	.06788	1.2415	.006795	.007062
%RSD	.1233116	.2171440	.4689037	.3046571	.2815870	.5834346

#1	14.44785	402.6371	14.50730	406.9086	2.409359	1.206262
#2	14.41304	401.2122	14.39847	406.6942	2.408870	1.218525
#3	14.43688	402.7996	14.52318	408.9438	2.420876	1.206326

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	394.0436	2.401480	14.41306	147.1412	F 2.586206	5.002874
Stddev	.2822	.015287	.09580	.2423	.013173	.009559
%RSD	.0716197	.6365697	.6646479	.1646496	.5093522	.1910767

#1	394.2344	2.390506	14.52338	147.3479	2.571225	5.007126
#2	394.1771	2.418941	14.35091	147.2012	2.595979	5.009569
#3	393.7195	2.394994	14.36489	146.8746	2.591415	4.991926

Sample Name: CCV030 Acquired: 11/30/2018 17:03:15 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV030 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.666501	F 3.804440	F 5.669467	4.784154	4.791730	4.916036
Stddev	.005507	.019564	.026987	.021527	.007839	.003448
%RSD	.1180191	.5142410	.4760023	.4499688	.1635871	.0701352

#1	4.666904	3.785096	5.677940	4.764245	4.786017	4.919504
#2	4.660803	3.804008	5.691201	4.781219	4.788508	4.915995
#3	4.671796	3.824217	5.639261	4.806998	4.800667	4.912609

Elem	Sr4077
Units	ppm
Avg	4.864616
Stddev	.016107
%RSD	.3311017

#1	4.857627
#2	4.883037
#3	4.853184

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2159.795	2300.943	49294.47	4854.609	3471.936
Stddev	14.507	4.236	93.11	13.985	8.393
%RSD	.6717032	.1841041	.1888910	.2880820	.2417494

#1	2143.046	2298.580	49380.04	4838.750	3479.941
#2	2167.907	2305.833	49195.31	4859.903	3472.665
#3	2168.432	2298.415	49308.07	4865.175	3463.202

Sample Name: CCB030 Acquired: 11/30/2018 17:07:02 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB030 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003232	.0001383	.0034584	-.000381	.0010528	-.000299	-.000235
Stddev	.0006602	.0008097	.0008916	.002113	.0003186	.006536	.000259
%RSD	204.2784	585.6040	25.78124	554.1957	30.26226	2186.862	110.5706

#1	-.000107	.0009438	.0043097	.000625	.0007230	-.002678	.000022
#2	.001083	-.000676	.0035343	-.002810	.0013589	-.005312	-.000229
#3	-.000007	.000147	.0025313	.001041	.0010763	.007094	-.000497

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000052	.0000277	-.000618	.0007596	-.000160	.0021481	-.006709
Stddev	.000075	.0000410	.004998	.0004666	.000204	.0019514	.002072
%RSD	145.4015	148.2884	808.0416	61.42858	127.3475	90.84310	30.88584

#1	-.000088	.0000337	.004952	.0009650	-.000383	.0043735	-.006716
#2	.000035	-.000016	-.002098	.0002255	.000016	.0013415	-.008778
#3	-.000103	.000065	-.004709	.0010883	-.000113	.0007293	-.004634

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000196	-.035089	.0000731	-.000324	-.130658	-.003065	.0171465
Stddev	.000091	.040032	.0000856	.000384	.139255	.001699	.0060468
%RSD	46.22594	114.0885	117.1260	118.3534	106.5801	55.44949	35.26560

#1	-.000233	.001893	.0001669	.000059	-.022801	-.002215	.0231105
#2	-.000093	-.077597	.0000529	-.000708	-.081304	-.001958	.0173090
#3	-.000263	-.029562	-.000001	-.000324	-.287869	-.005021	.0110201

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1050038	-.000995	.0061471	.0000144	.0004988	-.000057	.0008451
Stddev	.0566140	.000366	.0003855	.0001318	.0007151	.000272	.0005190
%RSD	53.91614	36.81440	6.270950	914.0454	143.3721	476.1978	61.41792

#1	.0713912	-.001388	.0065825	-.000102	.0000772	-.000371	.0014444
#2	.0732530	-.000664	.0058495	-.000012	.0013245	.000104	.0005422
#3	.1703672	-.000932	.0060092	.000158	.0000947	.000096	.0005487

Sample Name: CCB030 Acquired: 11/30/2018 17:07:02 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: CCB030 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000021	-.001634	.0001035
Stddev	.001521	.002248	.0000606
%RSD	7180.894	137.5403	58.60376

#1	-.000437	-.002051	.0001688
#2	-.001291	.000793	.0000927
#3	.001664	-.003644	.0000490

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2434.715	2717.525	51556.10	5050.975	4378.361
Stddev	4.203	6.074	77.29	9.102	4.344
%RSD	.1726426	.2235036	.1499163	.1801938	.0992088

#1	2431.115	2710.823	51467.65	5046.475	4373.410
#2	2433.694	2722.664	51610.63	5061.450	4381.528
#3	2439.334	2719.090	51590.04	5045.000	4380.146

Sample Name: PB115100BL Acquired: 11/30/2018 17:11:11 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: PBS100 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002641	.0016750	.0010003	-.001259	.0002736	.0031593	.0001646
Stddev	.001440	.0012644	.0013263	.001207	.0008368	.0090767	.0000735
%RSD	54.53236	75.48585	132.5910	95.88012	305.8580	287.3029	44.65587

#1	-.004301	.0002151	-.000531	-.001138	.0003974	-.005155	.0002089
#2	-.001723	.0024182	.001736	-.000117	-.000618	.001790	.0000798
#3	-.001899	.0023918	.001795	-.002522	.001042	.012843	.0002052

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000075	.0000122	.0093653	.0005758	.0000021	.0029953	.0048382
Stddev	.000068	.0000290	.0175201	.0005149	.0002096	.0019569	.0143506
%RSD	90.35795	238.1636	187.0738	89.42695	10037.97	65.33271	296.6096

#1	-.000041	.0000443	.0033892	.0002420	.0002435	.0025716	-.011732
#2	-.000153	-.000012	-.004385	.0003166	-.000133	.0051294	.012981
#3	-.000031	.000005	.029092	.0011688	-.000105	.0012850	.013266

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000577	.0235302	.0000288	.0001123	.0119769	-.002865	.0040483
Stddev	.001285	.0148235	.0003345	.0004231	.1608598	.004920	.0096792
%RSD	222.4668	62.99765	1162.940	376.8035	1343.088	171.6923	239.0920

#1	.000903	.0275478	.0002751	.0005735	.1343867	-.007290	.0113800
#2	-.001242	.0359308	.0001633	-.000258	-.170215	.002432	.0076881
#3	-.001394	.0071121	-.000352	.000021	.071759	-.003738	-.006923

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000960	-.001256	.0000035	.0001255	-.000586	.0002454	-.000458
Stddev	.063240	.000796	.0008717	.0002806	.000427	.0004209	.000778
%RSD	6588.710	63.35895	25003.01	223.5800	72.80878	171.4988	169.8394

#1	-.002932	-.002152	-.000982	.0002315	-.000782	.0002628	.000051
#2	.063243	-.000632	.000317	.0003376	-.000879	.0006573	-.001353
#3	-.063190	-.000983	.000675	-.000193	-.000097	-.000184	-.000071

Sample Name: PB115100BL Acquired: 11/30/2018 17:11:11 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: PBS100 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000360	-.005171	.0000646
Stddev	.000720	.000686	.0000608
%RSD	200.0467	13.25701	94.14386

#1	-.000331	-.005815	.0000907
#2	.000345	-.005249	.0001080
#3	-.001094	-.004450	-.000005

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2351.208	2614.361	49829.46	4869.242	4210.685
Stddev	22.088	6.049	114.60	22.815	6.972
%RSD	.9394278	.2313617	.2299847	.4685601	.1655809

#1	2327.169	2613.740	49731.48	4856.750	4210.630
#2	2355.848	2620.696	49801.43	4855.400	4217.684
#3	2370.608	2608.646	49955.48	4895.575	4203.740

Sample Name: J6011-01 Acquired: 11/30/2018 17:19:30 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJN5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0562912	.0258593	.0731156	-.070421	.0138491	175.0771
Stddev	.0016437	.0013484	.0018735	.002035	.0017141	.4331
%RSD	2.920006	5.214387	2.562323	2.889176	12.37731	.2473867

#1	.0569960	.0244686	.0714774	-.072419	.0118700	174.8661
#2	.0574650	.0271610	.0727112	-.068351	.0148117	175.5753
#3	.0544126	.0259482	.0751583	-.070493	.0148655	174.7900

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.254240	.0087683	.0063442	56.92504	.2882498	.2544120
Stddev	.006710	.0000678	.0002304	.20147	.0010862	.0009840
%RSD	.2976793	.7731950	3.631746	.3539269	.3768112	.3867845

#1	2.257470	.0087580	.0064635	56.69641	.2882273	.2555039
#2	2.258724	.0088407	.0060786	57.07660	.2893470	.2541385
#3	2.246525	.0087063	.0064904	57.00212	.2871750	.2535937

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0741533	464.5591	10.35041	31.65882	.3565245	-.036848
Stddev	.0007453	2.5592	.05393	.23266	.0006518	.000455
%RSD	1.005091	.5508894	.5210206	.7349097	.1828249	1.234816

#1	.0732927	462.0494	10.28970	31.39052	.3569676	-.036420
#2	.0745814	467.1651	10.39276	31.80502	.3568298	-.036798
#3	.0745857	464.4630	10.36876	31.78092	.3557761	-.037326

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.081164	.4637662	.5231494	3.404928	C .0000000	.3753404
Stddev	.148726	.0049831	.0036039	.022409	.0000000	.0089451
%RSD	13.75610	1.074485	.6888813	.6581436	.0000000	2.383199

#1	1.201461	.4584770	.5221974	3.430795	C .0000000	.3694886
#2	.914875	.4644489	.5201171	3.392578	C .0000000	.3708953
#3	1.127157	.4683728	.5271337	3.391409	C .0000000	.3856374

Sample Name: J6011-01 Acquired: 11/30/2018 17:19:30 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJN5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001600	9.812015	7.905266	.0242328	15.08118	.2861575
Stddev	.000384	.029884	.009453	.0010605	.04729	.0019776
%RSD	23.98880	.3045619	.1195723	4.376155	.3135433	.6910768

#1	-.002029	9.810743	7.895985	.0251522	15.03955	.2879210
#2	-.001481	9.782788	7.904932	.0244735	15.13259	.2840194
#3	-.001289	9.842514	7.914881	.0230726	15.07139	.2865320

Elem	Sr4077
Units	ppm
Avg	.3931471
Stddev	.0006330
%RSD	.1609970

#1	.3936596
#2	.3933421
#3	.3924396

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2817.317	3083.369	60711.09	5882.804	4142.135
Stddev	14.019	4.618	292.59	12.890	14.186
%RSD	.4975987	.1497822	.4819414	.2191052	.3424776

#1	2833.093	3079.757	61029.25	5897.686	4126.568
#2	2812.575	3088.573	60453.57	5875.225	4154.332
#3	2806.285	3081.778	60650.43	5875.500	4145.504

Sample Name: J6011-02 Acquired: 11/30/2018 17:23:28 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJN6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0385093	.0204118	.0702060	-.034718	.0034388	331.4340
Stddev	.0039506	.0001710	.0013366	.001785	.0018622	.8216
%RSD	10.25879	.8376632	1.903787	5.140230	54.15236	.2478834

#1	.0427241	.0205294	.0695137	-.032828	.0015380	330.5945
#2	.0348907	.0204903	.0693575	-.036374	.0035186	332.2364
#3	.0379131	.0202156	.0717467	-.034952	.0052599	331.4710

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.027310	.0083021	.0020134	47.49981	.3335844	.1226705
Stddev	.000837	.0000664	.0000910	.23665	.0009072	.0004276
%RSD	.0412726	.7991782	4.520040	.4982154	.2719618	.3485421

#1	2.026460	.0083318	.0021060	47.24854	.3326571	.1227510
#2	2.028133	.0082261	.0019241	47.71846	.3336262	.1222084
#3	2.027336	.0083484	.0020100	47.53243	.3344701	.1230521

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1452932	218.0335	4.260003	34.44118	.2818834	-.015651
Stddev	.0054392	.2996	.023544	.12932	.0006151	.000172
%RSD	3.743578	.1373929	.5526875	.3754669	.2181979	1.097868

#1	.1435464	217.8479	4.239561	34.37298	.2818372	-.015492
#2	.1409420	218.3791	4.285746	34.59031	.2812928	-.015833
#3	.1513912	217.8735	4.254701	34.36023	.2825203	-.015627

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.086691	.5346134	.5191719	4.610138	C .0000000	.7682980
Stddev	.341790	.0053744	.0075540	.026652	.0000000	.0045459
%RSD	31.45231	1.005293	1.455003	.5781086	.0000000	.5916868

#1	1.313535	.5308175	.5177004	4.598149	C .0000000	.7630751
#2	1.252959	.5322597	.5124620	4.591585	C .0000000	.7704544
#3	.693580	.5407632	.5273534	4.640678	C .0000000	.7713643

Sample Name: J6011-02 Acquired: 11/30/2018 17:23:28 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJN6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005288	4.497130	5.397293	.0227382	15.13790	.3061623
Stddev	.0003815	.014894	.015030	.0014901	.04758	.0021143
%RSD	72.14735	.3311972	.2784724	6.553309	.3143320	.6905726

#1	.0004001	4.511906	5.381369	.0234234	15.10341	.3076851
#2	.0009581	4.497363	5.411232	.0237625	15.19219	.3070534
#3	.0002283	4.482120	5.399277	.0210288	15.11811	.3037483

Elem	Sr4077
Units	ppm
Avg	.4470711
Stddev	.0009724
%RSD	.2175141

#1	.4481154
#2	.4469064
#3	.4461915

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2790.794	3067.788	59956.29	5908.648	4154.431
Stddev	18.799	1.644	197.61	19.466	2.874
%RSD	.6735945	.0535925	.3295924	.3294547	.0691695

#1	2773.085	3069.611	59791.28	5913.180	4155.037
#2	2788.778	3066.418	59902.30	5887.315	4156.954
#3	2810.520	3067.335	60175.28	5925.449	4151.303

Sample Name: J6011-03 Acquired: 11/30/2018 17:27:26 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJN7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0323860	.0043058	.0352874	-.014017	.0037566	48.23127	1.239436
Stddev	.0008925	.0005859	.0027300	.003202	.0001904	.03765	.000822
%RSD	2.755954	13.60623	7.736442	22.84208	5.068943	.0780706	.0663543

#1	.0330072	.0040322	.0378442	-.015277	.0035389	48.21283	1.240262
#2	.0313632	.0049784	.0324122	-.010377	.0038922	48.20639	1.239428
#3	.0327877	.0039068	.0356059	-.016396	.0038387	48.27459	1.238617

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021351	.0011819	343.5183	.1577441	.0811734	.1145770	93.73498
Stddev	.0000333	.0001011	.7801	.0007427	.0004456	.0074714	.28552
%RSD	1.561065	8.551783	.2270944	.4708162	.5489878	6.520885	.3046078

#1	.0020966	.0010744	344.0380	.1572490	.0813001	.1070093	93.98937
#2	.0021558	.0011963	342.6213	.1573853	.0806781	.1147736	93.42616
#3	.0021528	.0012750	343.8956	.1585981	.0815419	.1219483	93.78942

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.129569	26.49961	.2701968	-.007242	.6885116	.1379809	.2036792
Stddev	.011133	.17289	.0009353	.000698	.2001955	.0069899	.0084130
%RSD	.3557277	.6524361	.3461413	9.637796	29.07656	5.065839	4.130531

#1	3.128655	26.69621	.2700946	-.007847	.9185528	.1303644	.1946417
#2	3.118922	26.37125	.2693168	-.006478	.5932147	.1441021	.2112836
#3	3.141131	26.43138	.2711789	-.007400	.5537674	.1394762	.2051124

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.981030	7.268071	.1581366	.0009426	15.50069	8.006890	.0009082
Stddev	.067452	.119420	.0020207	.0001293	.03032	.040258	.0013916
%RSD	1.694330	1.643084	1.277821	13.72204	.1956091	.5027872	153.2243

#1	4.042779	7.241465	.1587139	.0010315	15.46885	8.051018	.0023842
#2	3.991266	7.164197	.1558901	.0010021	15.50399	7.997482	-.000380
#3	3.909046	7.398550	.1598059	.0007942	15.52922	7.972169	.000720

Sample Name: J6011-03 Acquired: 11/30/2018 17:27:26 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MYAJN7 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.471165	.0958227	1.276826
Stddev	.005129	.0003788	.003847
%RSD	.2075371	.3953018	.3012760

#1	2.471522	.0953904	1.281254
#2	2.465867	.0960967	1.274917
#3	2.476105	.0959810	1.274306

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2532.888	2787.309	55178.52	5429.916	4067.748
Stddev	5.804	2.957	142.87	26.002	7.473
%RSD	.2291278	.1060732	.2589309	.4788638	.1837115

#1	2532.162	2786.221	55087.57	5401.496	4072.249
#2	2527.482	2790.656	55104.79	5435.740	4071.873
#3	2539.020	2785.052	55343.20	5452.512	4059.122

Sample Name: J6011-04 Acquired: 11/30/2018 17:31:29 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJN8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0480582	.0107534	.0849652	-.023400	.0032718	237.9754
Stddev	.0018617	.0006604	.0009835	.001702	.0004014	1.4114
%RSD	3.873946	6.141338	1.157489	7.275421	12.26866	.5930962

#1	.0462870	.0103349	.0846654	-.025282	.0036480	236.7385
#2	.0478888	.0115147	.0841665	-.021968	.0033183	237.6748
#3	.0499989	.0104105	.0860637	-.022951	.0028492	239.5129

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.109411	.0074126	.0023011	63.53450	.3142052	.1278304
Stddev	.000542	.0000982	.0001182	.90047	.0013726	.0004967
%RSD	.0257064	1.324324	5.135688	1.417299	.4368437	.3885609

#1	2.108855	.0073042	.0022189	62.60963	.3147735	.1273735
#2	2.109441	.0074382	.0022477	63.58548	.3126398	.1283591
#3	2.109938	.0074955	.0024365	64.40841	.3152025	.1277585

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1789207	152.2834	3.927069	29.12016	.3238466	-.010854
Stddev	.0056567	1.3885	.048139	.33400	.0006273	.000275
%RSD	3.161580	.9117825	1.225815	1.146964	.1937095	2.531584

#1	.1723891	150.7572	3.884091	28.78409	.3231466	-.010992
#2	.1822258	152.6209	3.918030	29.12435	.3243580	-.011032
#3	.1821473	153.4720	3.979086	29.45205	.3240352	-.010537

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8631370	.4142180	.5903197	5.757542	C .0000000	.6000466
Stddev	.1408774	.0050879	.0087909	.050954	.0000000	.0060998
%RSD	16.32156	1.228328	1.489180	.8850016	.0000000	1.016553

#1	.9628146	.4088247	.5839258	5.698935	C .0000000	.5941930
#2	.7019666	.4148971	.5866889	5.791345	C .0000000	.5995809
#3	.9246299	.4189324	.6003445	5.782347	C .0000000	.6063659

Sample Name: J6011-04 Acquired: 11/30/2018 17:31:29 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJN8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008570	11.44676	2.140724	.0163824	11.69483	.3027782
Stddev	.0000810	.05505	.025871	.0019799	.07772	.0017020
%RSD	9.448212	.4809209	1.208507	12.08587	.6646056	.5621395

#1	.0009262	11.38694	2.116110	.0177593	11.62238	.3020636
#2	.0007679	11.45807	2.138372	.0172746	11.68518	.3015500
#3	.0008770	11.49528	2.167691	.0141133	11.77692	.3047211

Elem	Sr4077
Units	ppm
Avg	.5154035
Stddev	.0004505
%RSD	.0874096

#1	.5150461
#2	.5152549
#3	.5159096

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2936.859	3256.061	63255.95	6193.154	4090.426
Stddev	26.687	4.992	224.04	47.271	5.895
%RSD	.9087040	.1533119	.3541743	.7632842	.1441263

#1	2913.408	3261.705	63113.83	6245.126	4095.750
#2	2931.271	3254.255	63139.80	6181.616	4091.438
#3	2965.898	3252.224	63514.21	6152.720	4084.090

Sample Name: J6011-05 Acquired: 11/30/2018 17:35:27 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJN9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0279986	.0134034	.0569177	-.019602	.0029758	276.5330
Stddev	.0032797	.0014629	.0016915	.001651	.0010224	.4823
%RSD	11.71371	10.91437	2.971900	8.424593	34.35670	.1743948

#1	.0257132	.0141715	.0586855	-.019626	.0030449	276.6829
#2	.0317565	.0117164	.0567532	-.017939	.0019207	275.9935
#3	.0265262	.0143222	.0553145	-.021242	.0039619	276.9224

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.134408	.0074659	.0007954	44.35592	.2743496	.0883195
Stddev	.004730	.0001222	.0001215	.10680	.0008632	.0003695
%RSD	.2215977	1.636805	15.26934	.2407892	.3146330	.4183699

#1	2.133151	.0076055	.0006556	44.42251	.2752519	.0881638
#2	2.130434	.0074136	.0008558	44.23272	.2742653	.0887414
#3	2.139639	.0073785	.0008747	44.41251	.2735317	.0880534

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1370068	116.4918	1.801737	21.38290	.1884703	-.006995
Stddev	.0036081	.1648	.005398	.06801	.0005809	.000180
%RSD	2.633534	.1414592	.2995847	.3180742	.3082240	2.580241

#1	.1402580	116.6318	1.807506	21.45458	.1878623	-.007143
#2	.1331249	116.5335	1.796810	21.31927	.1885288	-.006794
#3	.1376375	116.3102	1.800894	21.37486	.1890197	-.007049

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9325796	.5550465	.4477899	3.349035	C .0000000	.9159730
Stddev	.1596927	.0045849	.0045118	.035520	.0000000	.0023550
%RSD	17.12377	.8260321	1.007562	1.060614	.0000000	.2571042

#1	.8038949	.5497881	.4486798	3.350484	C .0000000	.9150107
#2	.8825455	.5582077	.4517903	3.383809	C .0000000	.9186568
#3	1.111298	.5571437	.4428994	3.312813	C .0000000	.9142515

Sample Name: J6011-05 Acquired: 11/30/2018 17:35:27 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJN9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007791	4.298017	2.209377	.0209292	15.45590	.2941275
Stddev	.0005252	.008298	.009989	.0019131	.02998	.0024081
%RSD	67.41551	.1930597	.4521150	9.141014	.1939525	.8187143

#1	.0009618	4.293217	2.220850	.0210531	15.46887	.2924892
#2	.0011884	4.293235	2.202614	.0227773	15.42162	.2930010
#3	.0001869	4.307598	2.204667	.0189571	15.47721	.2968924

Elem	Sr4077
Units	ppm
Avg	.4477671
Stddev	.0001866
%RSD	.0416695

#1	.4479755
#2	.4477102
#3	.4476156

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2760.504	3043.768	59030.58	5742.712	4182.163
Stddev	19.561	5.481	259.84	29.360	4.001
%RSD	.7086076	.1800663	.4401714	.5112499	.0956569

#1	2771.918	3044.919	59011.32	5714.599	4184.824
#2	2771.676	3037.804	59299.51	5773.177	4177.562
#3	2737.917	3048.583	58780.91	5740.360	4184.102

Sample Name: J6011-06 Acquired: 11/30/2018 17:39:23 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJP0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0240157	.0176628	.0943509	-.016542	.0033485	266.5358	2.762230
Stddev	.0020090	.0026374	.0010224	.003763	.0003779	1.6109	.008532
%RSD	8.365166	14.93194	1.083594	22.74788	11.28419	.6043890	.3088907

#1	.0232691	.0188676	.0939101	-.016644	.0029357	268.1743	2.767175
#2	.0262911	.0194826	.0936229	-.012729	.0036773	266.4791	2.767137
#3	.0224870	.0146381	.0955198	-.020254	.0034325	264.9540	2.752378

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086727	.0002295	34.88903	.4015763	.0573820	.1649114	104.7180
Stddev	.0000544	.0000752	.36968	.0002780	.0004968	.0019927	1.0691
%RSD	.6270752	32.77683	1.059588	.0692351	.8658722	1.208322	1.020953

#1	.0087285	.0003147	35.26783	.4016622	.0574098	.1672014	105.9407
#2	.0086198	.0001720	34.87006	.4018012	.0568719	.1639605	104.2536
#3	.0086699	.0002019	34.52920	.4012654	.0578644	.1635724	103.9595

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.564252	22.30108	.2486895	-.005086	1.812971	.7856463	.3339874
Stddev	.023581	.46909	.0006432	.000281	.150016	.0014337	.0071797
%RSD	1.507506	2.103420	.2586184	5.518230	8.274594	.1824815	2.149678

#1	1.591398	22.83378	.2491510	-.004764	1.881622	.7844005	.3284997
#2	1.552518	22.11970	.2489626	-.005214	1.916378	.7853251	.3421129
#3	1.548840	21.94977	.2479549	-.005279	1.640914	.7872134	.3313497

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.171543	2.619455	.8326904	.0002912	13.41110	5.363147	.0290695
Stddev	.038659	.007414	.0026556	.0000451	.02507	.019898	.0009683
%RSD	.7475265	.2830170	.3189203	15.47447	.1869307	.3710080	3.330960

#1	5.144753	2.626324	.8326239	.0003114	13.43884	5.359879	.0279749
#2	5.215861	2.620444	.8353787	.0002396	13.40440	5.384477	.0298143
#3	5.154015	2.611596	.8300687	.0003226	13.39006	5.345086	.0294192

Sample Name: J6011-06 Acquired: 11/30/2018 17:39:23 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJP0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	19.58940	.9200751	.5983114
Stddev	.12367	.0031898	.0014865
%RSD	.6313287	.3466922	.2484434

#1	19.72276	.9211516	.5966687
#2	19.56694	.9225873	.5995637
#3	19.47849	.9164862	.5987018

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2796.661	3091.732	59897.72	5861.815	4044.692
Stddev	3.410	7.271	262.87	8.219	6.785
%RSD	.1219239	.2351869	.4388700	.1402055	.1677394

#1	2793.814	3088.321	59807.39	5861.067	4042.759
#2	2795.729	3086.793	59691.91	5853.996	4039.084
#3	2800.440	3100.081	60193.84	5870.382	4052.234

Sample Name: J6011-07 Acquired: 11/30/2018 17:43:20 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJP0D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0214849	.0155422	.0884554	-.016682	.0022207	251.2731	2.607317
Stddev	.0009103	.0009931	.0017297	.001078	.0008802	.4945	.000655
%RSD	4.237157	6.389851	1.955406	6.462884	39.63849	.1967856	.0251383

#1	.0217650	.0148540	.0900857	-.015838	.0032327	251.3698	2.606658
#2	.0222224	.0166807	.0866411	-.016312	.0017967	250.7374	2.607969
#3	.0204675	.0150918	.0886395	-.017897	.0016327	251.7121	2.607325

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082115	.0001098	32.73738	.3797342	.0546312	.1568329	98.49594
Stddev	.0000155	.0000554	.17044	.0003088	.0001986	.0019834	.82596
%RSD	.1892330	50.50083	.5206300	.0813114	.3636079	1.264637	.8385704

#1	.0081935	.0000493	32.85722	.3798733	.0545473	.1578460	99.11617
#2	.0082198	.0001582	32.54226	.3793803	.0544883	.1581050	97.55838
#3	.0082211	.0001218	32.81266	.3799489	.0548580	.1545476	98.81327

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.472434	20.97825	.2351388	-.005264	1.823941	.7288966	.3025584
Stddev	.011089	.17181	.0005707	.000156	.168111	.0109891	.0135223
%RSD	.7530788	.8189737	.2427241	2.961921	9.216910	1.507638	4.469322

#1	1.481808	21.13542	.2348562	-.005091	1.632564	.7415815	.3152773
#2	1.460194	20.79483	.2347645	-.005307	1.947781	.7222685	.3040427
#3	1.475301	21.00452	.2357957	-.005393	1.891478	.7228399	.2883551

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.824361	2.431704	.7916684	.0003076	12.68648	4.906304	.0266541
Stddev	.044739	.007256	.0023064	.0002283	.00858	.012905	.0002446
%RSD	.9273461	.2984059	.2913384	74.20588	.0676323	.2630350	.9175207

#1	4.786258	2.431801	.7942621	.0001043	12.68555	4.891490	.0269346
#2	4.873622	2.424399	.7898477	.0005546	12.67841	4.915108	.0265416
#3	4.813202	2.438911	.7908956	.0002640	12.69549	4.912315	.0264859

Sample Name: J6011-07 Acquired: 11/30/2018 17:43:20 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJP0D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	18.39998	.8706970	.5670968
Stddev	.05847	.0010952	.0009473
%RSD	.3177712	.1257810	.1670497

#1	18.45410	.8712224	.5665330
#2	18.33796	.8694381	.5681905
#3	18.40788	.8714304	.5665668

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2948.443	3236.410	62865.32	6131.767	4270.983
Stddev	14.887	4.909	270.78	23.775	12.224
%RSD	.5049072	.1516885	.4307342	.3877303	.2862010

#1	2933.750	3231.183	62602.03	6106.697	4262.109
#2	2948.062	3240.924	62850.90	6134.615	4284.925
#3	2963.517	3237.124	63143.02	6153.990	4265.913

Sample Name: J6011-08 Acquired: 11/30/2018 17:47:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJP0S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0976588	.1391397	.1302154	.0769036	.1991976	240.4033	6.692234
Stddev	.0010416	.0016965	.0014003	.0035706	.0013201	.2885	.010308
%RSD	1.066614	1.219309	1.075402	4.642937	.6627049	.1199979	.1540301

#1	.0985504	.1401058	.1315509	.0732989	.1987131	240.4170	6.691577
#2	.0979121	.1371808	.1303372	.0804391	.2006914	240.6846	6.702855
#3	.0965138	.1401326	.1287582	.0769729	.1981881	240.1081	6.682271

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1107077	.1230172	30.89587	.8076073	1.265402	.6754672	95.02284
Stddev	.0005239	.0002498	.00725	.0024502	.001755	.0055798	.39580
%RSD	.4731931	.2030715	.0234665	.3033922	.1387021	.8260612	.4165317

#1	.1102721	.1231746	30.89099	.8068586	1.263970	.6702580	95.43030
#2	.1105620	.1227291	30.90420	.8103446	1.264875	.6747883	94.99840
#3	.1112889	.1231478	30.89243	.8056188	1.267360	.6813554	94.63983

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.456059	20.22766	1.448568	.0957365	6.749366	1.768927	1.304228
Stddev	.021519	.10030	.002746	.0006514	.120758	.008903	.013104
%RSD	.8761768	.4958355	.1895651	.6804302	1.789180	.5032888	1.004740

#1	2.457206	20.28203	1.448010	.0950310	6.857607	1.770134	1.312170
#2	2.476982	20.28904	1.446144	.0963153	6.619118	1.777164	1.311410
#3	2.433989	20.11192	1.451550	.0958631	6.771373	1.759481	1.289103

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.723051	2.250087	1.314500	.0007931	12.08873	7.750761	.0272525
Stddev	.072292	.003027	.008311	.0001514	.03161	.053319	.0007085
%RSD	1.530611	.1345104	.6322395	19.08418	.2614874	.6879174	2.599590

#1	4.639696	2.250801	1.308094	.0008217	12.10483	7.720664	.0264424
#2	4.760851	2.252693	1.311514	.0009281	12.05231	7.719295	.0277563
#3	4.768606	2.246767	1.323891	.0006295	12.10905	7.812323	.0275587

Sample Name: J6011-08 Acquired: 11/30/2018 17:47:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MYAJP0S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	17.84727	.9022278	.5365412
Stddev	.05841	.0021747	.0004222
%RSD	.3272617	.2410411	.0786836

#1	17.89845	.9044383	.5370227
#2	17.85971	.9000906	.5362349
#3	17.78364	.9021544	.5363660

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2888.351	3187.083	61737.14	6075.010	4264.482
Stddev	22.801	6.354	167.41	43.458	10.981
%RSD	.7894186	.1993538	.2711732	.7153507	.2575057

#1	2892.993	3183.451	61909.89	6089.150	4257.298
#2	2908.475	3194.420	61725.90	6109.637	4277.123
#3	2863.586	3183.379	61575.62	6026.244	4259.025

Sample Name: J6011-06LX5 Acquired: 11/30/2018 17:51:11 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MYAJP0L Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071898	.0043106	.0178832	-.005877	-.000488	52.89890	.5505737
Stddev	.0012404	.0013220	.0016684	.002134	.000645	.09140	.0008041
%RSD	17.25234	30.66874	9.329708	36.31596	132.0282	.1727891	.1460409

#1	.0081644	.0044717	.0159595	-.006147	-.000965	52.97160	.5514942
#2	.0076115	.0029155	.0187543	-.007864	-.000745	52.79629	.5502181
#3	.0057935	.0055447	.0189359	-.003621	.000245	52.92883	.5500086

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017989	-.000141	7.091483	.0819529	.0084764	.0368269	21.50640
Stddev	.0000804	.000096	.017617	.0005137	.0002485	.0015521	.07710
%RSD	4.468879	68.04958	.2484296	.6268280	2.932001	4.214627	.3584949

#1	.0017232	-.000055	7.105035	.0820988	.0082434	.0351634	21.48211
#2	.0018833	-.000123	7.097846	.0813820	.0084478	.0370810	21.44437
#3	.0017903	-.000244	7.071568	.0823778	.0087380	.0382363	21.59272

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3220104	4.590627	.0430101	-.001302	.3645056	.1522168	.0755448
Stddev	.0004921	.002899	.0002315	.000326	.3119200	.0089585	.0187484
%RSD	.1528230	.0631453	.5382009	25.02859	85.57343	5.885393	24.81753

#1	.3225767	4.591067	.0431331	-.001634	.5006038	.1489849	.0779447
#2	.3217676	4.593280	.0427431	-.001290	.5852505	.1453225	.0557120
#3	.3216868	4.587533	.0431541	-.000982	.0076624	.1623428	.0929776

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9131171	.3924216	.1752001	-.000146	2.342980	1.114981	.0042043
Stddev	.0578737	.0003817	.0017270	.000149	.009008	.006850	.0005553
%RSD	6.338038	.0972812	.9857506	101.5323	.3844553	.6143902	13.20902

#1	.8803485	.3925064	.1771910	-.000316	2.352984	1.121784	.0048324
#2	.9799398	.3920045	.1743038	-.000080	2.335512	1.108084	.0037783
#3	.8790631	.3927537	.1741055	-.000042	2.340444	1.115074	.0040022

Sample Name: J6011-06LX5 Acquired: 11/30/2018 17:51:11 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MYAJP0L Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	3.953467	.1753356	.1206987
Stddev	.010576	.0009232	.0002505
%RSD	.2675142	.5265543	.2075327

#1	3.965678	.1743165	.1206880
#2	3.947512	.1761161	.1204537
#3	3.947211	.1755742	.1209544

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2550.549	2819.710	53942.84	5224.854	4432.374
Stddev	7.780	8.984	318.25	22.024	9.164
%RSD	.3050500	.3186200	.5899826	.4215312	.2067501

#1	2541.592	2819.795	53584.06	5208.990	4438.538
#2	2555.628	2810.684	54191.07	5250.000	4421.844
#3	2554.428	2828.652	54053.40	5215.571	4436.742

Sample Name: PB115100BS Acquired: 11/30/2018 18:08:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: LCS100 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0150864	.0435929	.0168031	.0610973	.1038410	.3434218
Stddev	.0026005	.0006250	.0010712	.0025232	.0020718	.0118824
%RSD	17.23737	1.433811	6.374896	4.129799	1.995194	3.460006

#1	.0125355	.0437295	.0155984	.0631429	.1055789	.3483247
#2	.0149900	.0429109	.0171630	.0618713	.1015482	.3520683
#3	.0177338	.0441384	.0176480	.0582778	.1043959	.3298725

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3446769	.0092625	.0093250	F .0419252	.0197381	.0832948
Stddev	.0007401	.0000765	.0000545	.0105409	.0002298	.0001975
%RSD	.2147162	.8262565	.5841562	25.14220	1.164320	.2370789

#1	.3454932	.0092907	.0093791	.0429774	.0196855	.0833981
#2	.3444876	.0093209	.0092702	.0519006	.0195392	.0834192
#3	.3440498	.0091758	.0093257	.0308977	.0199897	.0830671

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0460837	.1897400	.0297219	8.618618	.0693626	.0164462
Stddev	.0025453	.0319451	.0016164	.087237	.0002605	.0004761
%RSD	5.523158	16.83624	5.438448	1.012196	.3755341	2.894763

#1	.0480808	.2260424	.0292678	8.525964	.0693059	.0169873
#2	.0469525	.1772538	.0283810	8.699176	.0691352	.0160913
#3	.0432178	.1659238	.0315167	8.630715	.0696468	.0162602

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.980317	.0870851	.0970134	7.905926	F .0066630	F .1747625
Stddev	.203859	.0019942	.0094997	.085502	.0004366	.0004313
%RSD	2.270063	2.289991	9.792165	1.081499	6.552929	.2467685

#1	8.786887	.0861412	.0860582	7.975211	.0068945	.1743302
#2	9.193209	.0893761	.1029722	7.932196	.0061594	.1751927
#3	8.960856	.0857381	.1020099	7.810370	.0069352	.1747646

Sample Name: PB115100BS Acquired: 11/30/2018 18:08:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: LCS100 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0165536	.1476031	.1803293	F .0561659	.1746776	F .0251269
Stddev	.0000672	.0006249	.0016905	.0003159	.0022908	.0006632
%RSD	.4061206	.4233860	.9374669	.5624485	1.311444	2.639556

#1	.0166289	.1476791	.1784270	.0562284	.1772789	.0251242
#2	.0165321	.1469437	.1816597	.0558234	.1737921	.0244650
#3	.0164997	.1481866	.1809011	.0564459	.1729616	.0257915

Elem	Sr4077
Units	ppm
Avg	.1763847
Stddev	.0003553
%RSD	.2014299

#1	.1759759
#2	.1765589
#3	.1766193

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2362.824	2622.505	50237.36	4830.067	4275.266
Stddev	37.669	13.457	752.31	25.471	20.464
%RSD	1.594219	.5131417	1.497510	.5273501	.4786492

#1	2327.265	2606.972	49540.50	4821.250	4251.643
#2	2358.911	2630.672	50136.61	4810.175	4286.610
#3	2402.296	2629.869	51034.97	4858.775	4287.544

Sample Name: CCV031 Acquired: 11/30/2018 18:33:05 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV031 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.824648	4.883377	24.86161	4.746857	4.900323	419.9896
Stddev	.020985	.008768	.03346	.004375	.008220	1.1709
%RSD	.4349550	.1795401	.1345888	.0921600	.1677470	.2787915

#1	4.810711	4.889204	24.88848	4.748866	4.891366	418.7297
#2	4.814451	4.873293	24.82413	4.741838	4.907521	420.1947
#3	4.848783	4.887632	24.87223	4.749866	4.902082	421.0444

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.13243	.5178419	2.529161	411.8231	15.40803	2.543852
Stddev	.00463	.0018974	.004137	2.0190	.00552	.001428
%RSD	.0456554	.3663967	.1635882	.4902633	.0358301	.0561499

#1	10.13182	.5187824	2.528212	409.6055	15.40884	2.543932
#2	10.12815	.5156580	2.525581	412.3091	15.41311	2.542385
#3	10.13734	.5190853	2.533691	413.5548	15.40215	2.545239

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.09942	428.4497	15.26264	424.8819	2.532832	1.266963
Stddev	.01205	1.0648	.06722	1.9325	.001417	.002563
%RSD	.0797945	.2485188	.4403958	.4548329	.0559262	.2023218

#1	15.08575	427.2209	15.18505	422.6627	2.532575	1.265257
#2	15.10402	429.0996	15.30311	426.1934	2.531562	1.265721
#3	15.10849	429.0286	15.29976	425.7897	2.534360	1.269911

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	415.5886	2.524844	14.91841	153.7747	F 2.952636	5.207739
Stddev	1.4030	.022560	.09470	.1985	.006634	.027688
%RSD	.3376014	.8935248	.6347671	.1290544	.2246673	.5316632

#1	413.9725	2.500974	14.92353	153.6396	2.950976	5.216070
#2	416.4947	2.545814	15.01044	153.6819	2.946989	5.176842
#3	416.2986	2.527744	14.82125	154.0025	2.959941	5.230304

Sample Name: CCV031 Acquired: 11/30/2018 18:33:05 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV031 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.934939	F 4.225503	5.099947	5.022363	5.046118	5.335866
Stddev	.011046	.009526	.011078	.003934	.010987	.023435
%RSD	.2238416	.2254366	.2172239	.0783341	.2177362	.4391883

#1	4.929005	4.219701	5.097640	5.018847	5.038745	5.310348
#2	4.928128	4.220312	5.090204	5.021629	5.040862	5.340828
#3	4.947684	4.236497	5.111997	5.026612	5.058745	5.356422

Elem	Sr4077
Units	ppm
Avg	5.140629
Stddev	.004985
%RSD	.0969633

#1	5.143135
#2	5.143863
#3	5.134888

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2049.251	2187.327	46951.47	4552.142	3312.760
Stddev	9.181	3.183	85.21	11.829	8.560
%RSD	.4479983	.1455123	.1814893	.2598666	.2583991

#1	2038.659	2186.136	46867.07	4538.680	3304.035
#2	2054.162	2190.934	46949.88	4560.880	3321.145
#3	2054.930	2184.912	47037.47	4556.866	3313.099

Sample Name: CCB031 Acquired: 11/30/2018 18:36:51 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB031 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001173	.0011685	.0035478	-.000863	.0004423	-.003881	.0004878
Stddev	.001239	.0004331	.0007608	.000462	.0008032	.001523	.0003954
%RSD	105.6351	37.06670	21.44403	53.55743	181.5795	39.23920	81.06373

#1	-.002559	.0012493	.0044263	-.000562	.0013674	-.005345	.0000823
#2	-.000789	.0007007	.0031058	-.000631	.0000384	-.003995	.0008723
#3	-.000172	.0015556	.0031114	-.001395	-.000079	-.002305	.0005088

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000030	-.000007	-.005919	.0002550	.0001398	.0006708	.0127422
Stddev	.000023	.000032	.001993	.0003777	.0002541	.0019302	.0185603
%RSD	74.43003	471.8037	33.67195	148.1394	181.7376	287.7532	145.6603

#1	-.000006	-.000034	-.004526	.0001764	.0002736	-.000794	.0138691
#2	-.000034	.000029	-.005028	-.000077	-.000153	-.000051	-.006356
#3	-.000051	-.000016	-.008202	.000666	.000299	.002858	.030713

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009058	.0026212	.0000779	.0001948	-.070917	-.001111	.0137025
Stddev	.0016094	.0079367	.0002171	.0002158	.053589	.001705	.0118584
%RSD	177.6728	302.7929	278.6751	110.7800	75.56636	153.4396	86.54121

#1	-.000781	-.005572	-.000173	.0000316	-.033402	-.000173	.0257602
#2	.001075	.003162	.000194	.0001134	-.047056	-.003080	.0132933
#3	.002424	.010273	.000212	.0004394	-.132292	-.000081	.0020541

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0425525	.0000711	.0074788	.0000471	-.001336	.0004332	.0008138
Stddev	.0126945	.0005719	.0006595	.0003621	.001823	.0010123	.0001220
%RSD	29.83257	804.6250	8.818477	768.6103	136.4751	233.6641	14.99144

#1	.0541151	.0007268	.0080133	-.000287	.000735	-.000549	.0006740
#2	.0445738	-.000189	.0076813	.000432	-.002701	.001473	.0008989
#3	.0289686	-.000325	.0067418	-.000003	-.002041	.000375	.0008686

Sample Name: CCB031 Acquired: 11/30/2018 18:36:51 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v737) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB031 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000766	-.000134	.0000538
Stddev	.000158	.000597	.0000858
%RSD	20.64486	446.1277	159.4272

#1	-.000900	-.000824	.0000391
#2	-.000808	.000199	.0001460
#3	-.000592	.000223	-.000024

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2454.749	2720.776	52028.95	5016.000	4399.398
Stddev	8.292	8.049	267.24	18.208	7.775
%RSD	.3377843	.2958347	.5136306	.3630083	.1767352

#1	2455.133	2715.955	52262.02	5022.425	4392.419
#2	2462.842	2730.068	52087.54	4995.450	4407.779
#3	2446.272	2716.305	51737.27	5030.125	4397.998