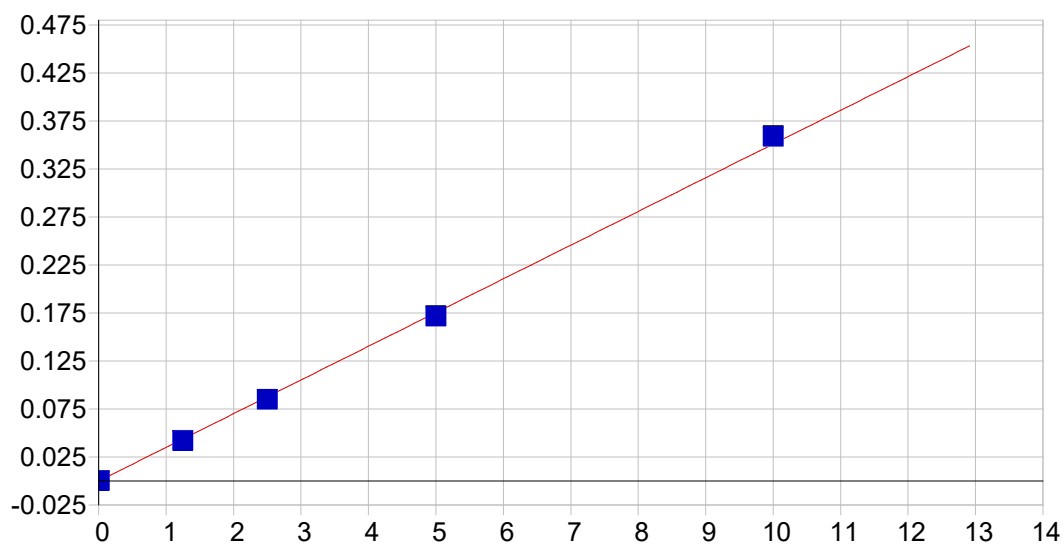


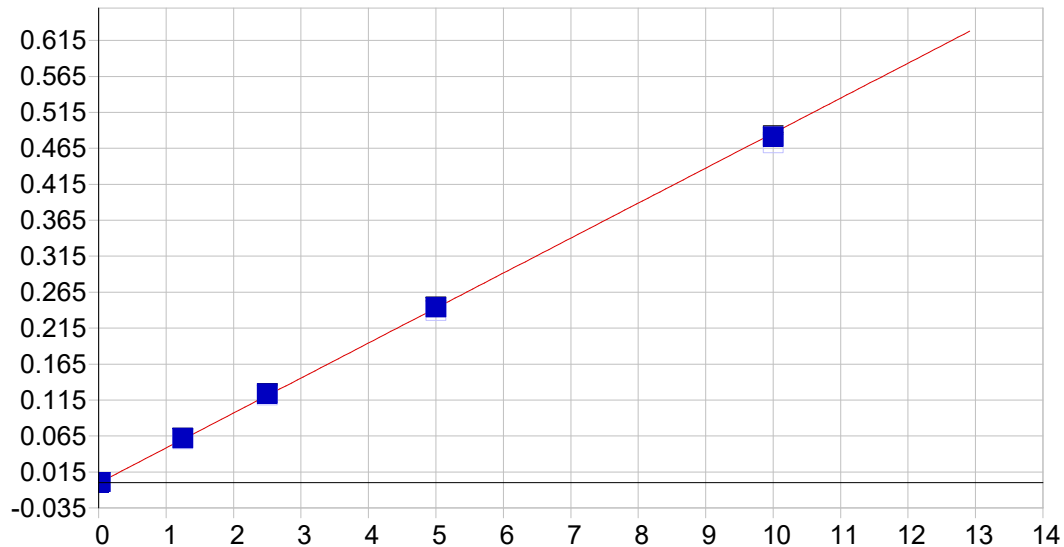


As 189.042 {479}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000125 Re-Slope: 1.000000
 A1 (Gain): 0.035112 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999687 Status: OK.
 Std Error of Est: 0.000015
 Predicted MDL: 0.003231
 Predicted MQL: 0.010769

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00012	.000	1
S1	.01000	.00954	-.000	-4.55	.00021	.000	1
S2	1.2500	1.2038	-.046	-3.70	.04204	.000	1
S3	2.5000	2.4217	-.078	-3.13	.08470	.000	1
S4	5.0000	4.8947	-.105	-2.11	.17132	.000	1
S5	10.000	10.230	.230	2.30	.35824	.001	1

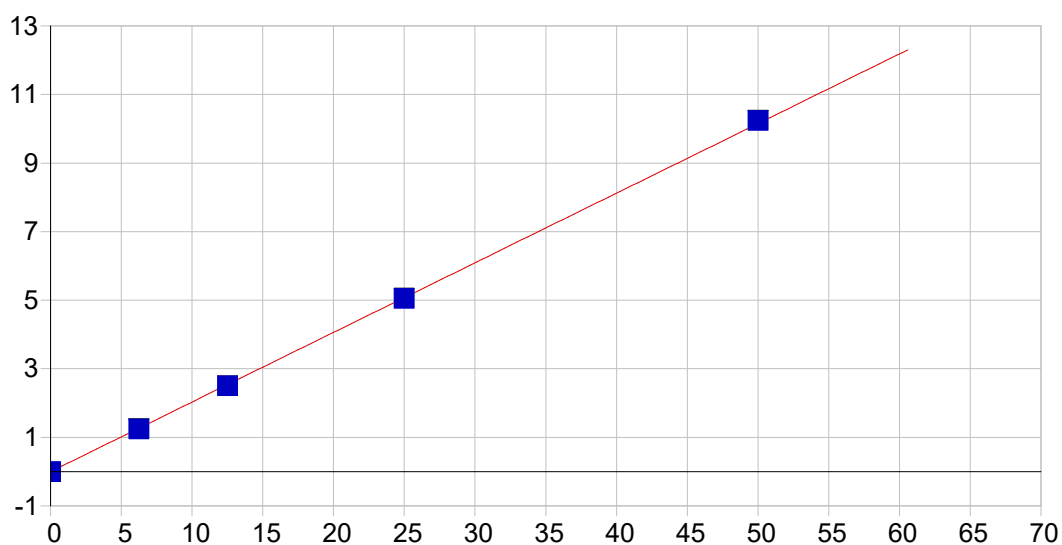


TI 190.856 {477}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000375 Re-Slope: 1.000000
 A1 (Gain): 0.048644 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999917 Status: OK.
 Std Error of Est: 0.000016
 Predicted MDL: 0.002404
 Predicted MQL: 0.008012

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00037	.000	1
S1	.02500	.02738	.002	9.52	.00091	.000	1
S2	1.2500	1.2789	.029	2.31	.06072	.000	1
S3	2.5000	2.5502	.050	2.01	.12143	.000	1
S4	5.0000	5.0194	.019	.388	.23930	.001	1
S5	10.000	9.8992	-.101	-1.01	.47220	.001	1

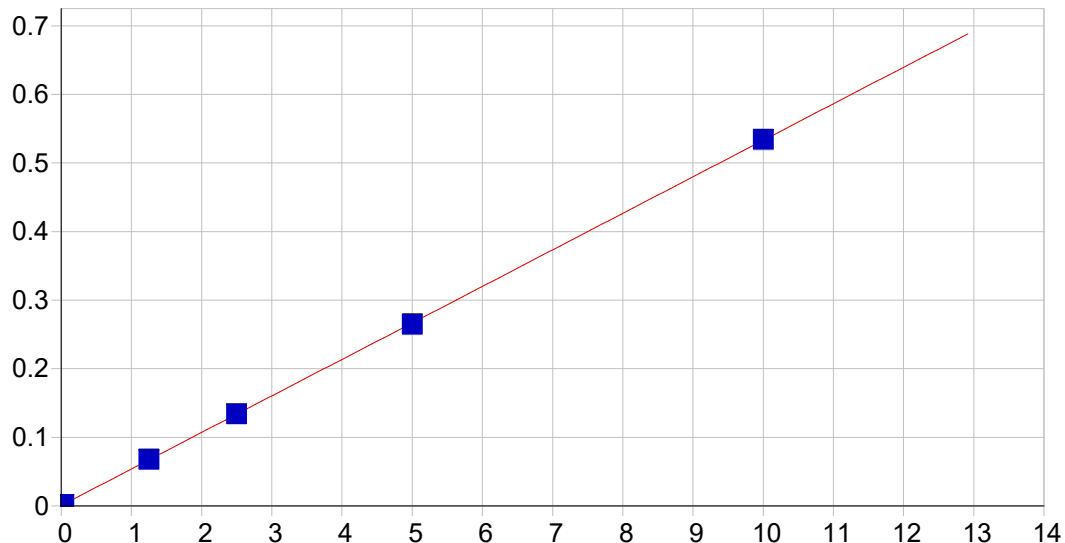


Pb 220.353 {453}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000394 Re-Slope: 1.000000
 A1 (Gain): 0.203042 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999950 Status: OK.
 Std Error of Est: 0.000076
 Predicted MDL: 0.001556
 Predicted MQL: 0.005187

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00039	.000	1
S1	.01000	.01051	.001	5.09	.00174	.000	1
S2	6.2500	6.1305	-.119	-1.91	1.2446	.003	1
S3	12.500	12.325	-.175	-1.40	2.5026	.002	1
S4	25.000	24.859	-.141	-.563	5.0481	.011	1
S5	50.000	50.435	.435	.869	10.242	.005	1

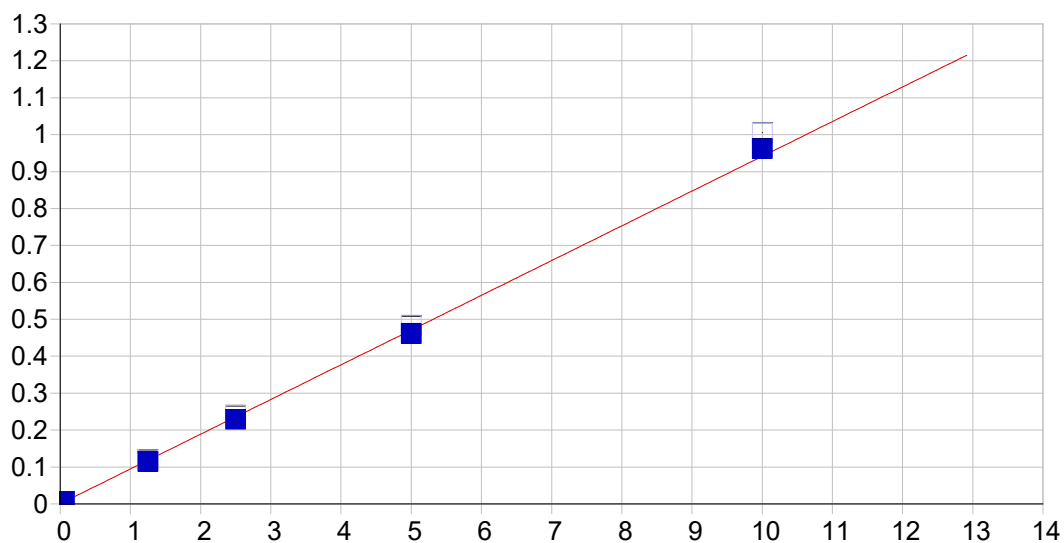


Se 196.090 {472}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000591	Re-Slope:	1.000000
A1 (Gain):	0.053242	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999977	Status:	OK.
Std Error of Est:	0.000011		
Predicted MDL:	0.002910		
Predicted MQL:	0.009701		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00059	.000	1
S1	.03500	.03850	.003	10.00	.00264	.000	1
S2	1.2500	1.2575	.008	.603	.06737	.001	1
S3	2.5000	2.5073	.007	.293	.13373	.000	1
S4	5.0000	4.9572	-.043	-.857	.26382	.001	1
S5	10.000	10.024	.024	.245	.53291	.000	1

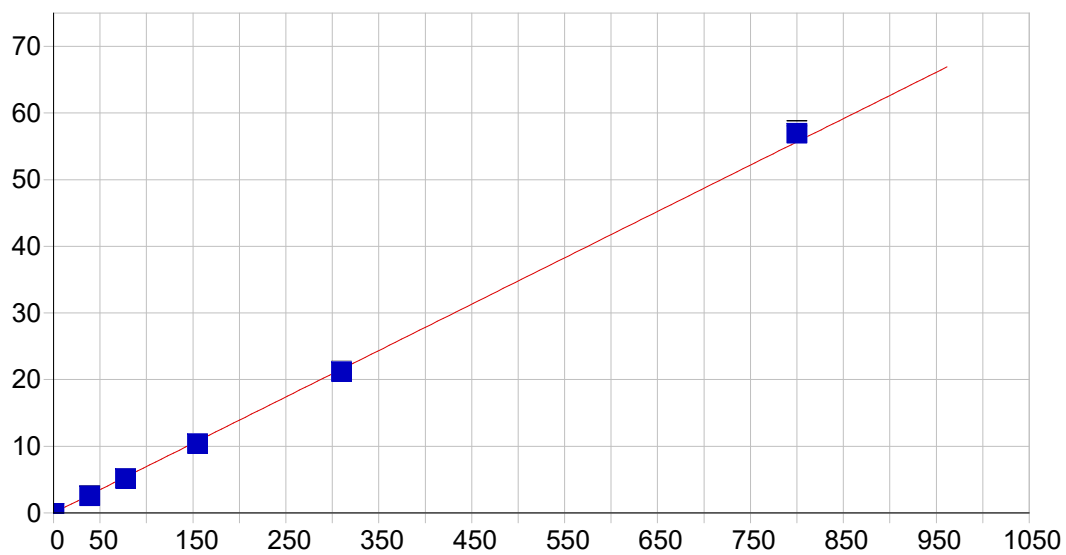


Sb 206.833 {463}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000533 Re-Slope: 1.000000
 A1 (Gain): 0.094072 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999721 Status: OK.
 Std Error of Est: 0.000096
 Predicted MDL: 0.001891
 Predicted MQL: 0.006304

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00053	.000	1
S1	.06000	.06373	.004	6.21	.00653	.000	1
S2	1.2500	1.2067	-.043	-3.46	.11946	.000	1
S3	2.5000	2.4231	-.077	-3.07	.23931	.001	1
S4	5.0000	4.8920	-.108	-2.16	.48238	.001	1
S5	10.000	10.225	.225	2.25	1.0057	.001	1

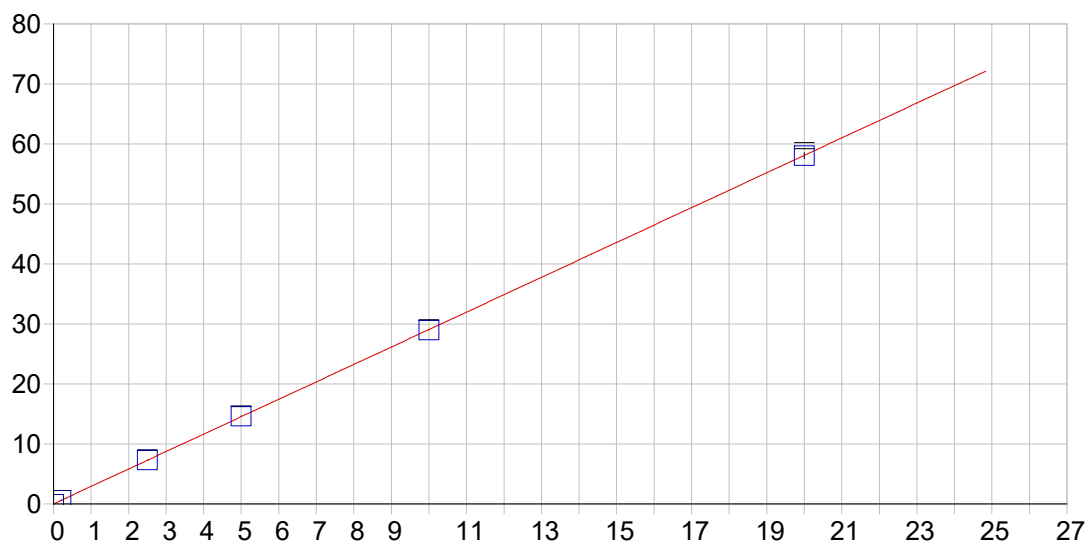


AI 396.152 { 85}

Date of Fit: 11/16/2019 11:16:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.002927	Re-Slope:	1.000000
A1 (Gain):	0.069591	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999608	Status:	OK.
Std Error of Est:	0.001213		
Predicted MDL:	0.012485		
Predicted MQL:	0.041617		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.00293	.001	1
S1	.20000	.20151	.002	.755	.01719	.000	1
S2	38.750	36.395	-2.35	-6.08	2.5411	.002	1
S3	77.500	73.708	-3.79	-4.89	5.1431	.015	1
S4	155.00	149.04	-5.96	-3.84	10.396	.011	1
S5	310.00	303.98	-6.02	-1.94	21.200	.048	1
S6	800.00	818.15	18.1	2.27	56.973	.383	1

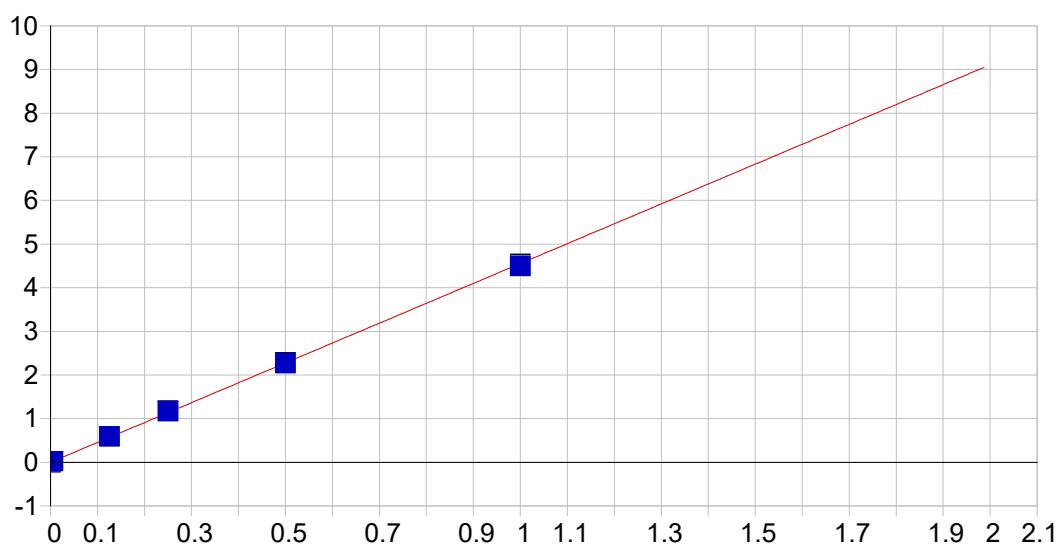


Ba 493.409 { 68}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.013576 Re-Slope: 1.000000
 A1 (Gain): 2.903981 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999990 Status: OK.
 Std Error of Est: 0.001351
 Predicted MDL: 0.000696
 Predicted MQL: 0.002319

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.01354	.002	1
S1	.20000	.20955	.010	4.77	.62210	.001	1
S2	2.5000	2.5090	.009	.359	7.2996	.011	1
S3	5.0000	5.0273	.027	.546	14.613	.040	1
S4	10.000	9.9749	-.025	-.251	28.981	.034	1
S5	20.000	19.979	-.021	-.104	58.033	.509	1

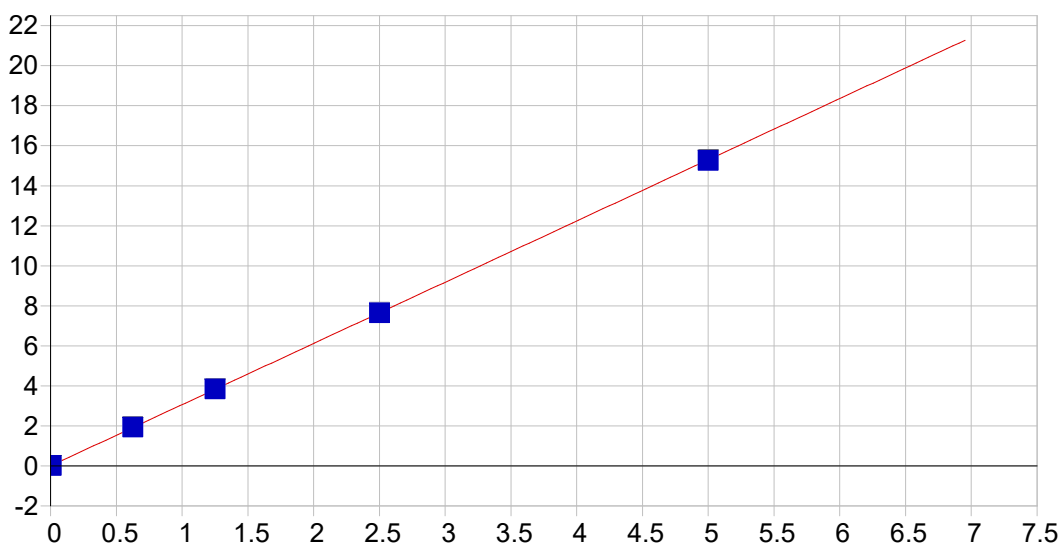


Be 234.861 {144}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000935 Re-Slope: 1.000000
 A1 (Gain): 4.555224 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999832 Status: OK.
 Std Error of Est: 0.000312
 Predicted MDL: 0.000078
 Predicted MQL: 0.000262

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00094	.000	1
S1	.00500	.00556	.001	11.3	.02439	.000	1
S2	.12500	.13018	.005	4.14	.59015	.002	1
S3	.25000	.25714	.007	2.86	1.1666	.006	1
S4	.50000	.49906	-.001	-.188	2.2648	.015	1
S5	1.0000	.98806	-.012	-1.19	4.4848	.043	1

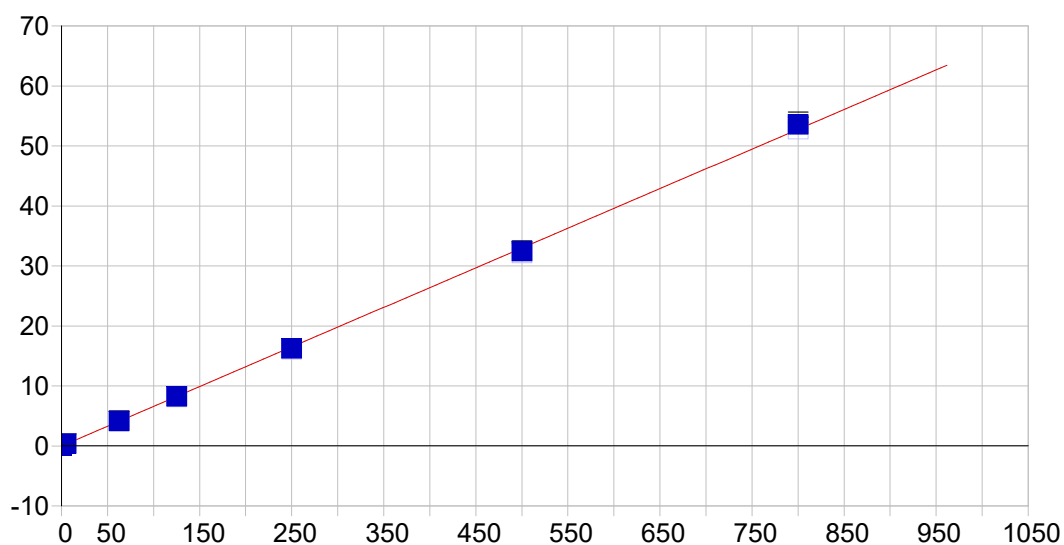


Cd 214.438 {457}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000140 Re-Slope: 1.000000
 A1 (Gain): 3.059612 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999994 Status: OK.
 Std Error of Est: 0.000092
 Predicted MDL: 0.000073
 Predicted MQL: 0.000242

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00014	.000	1
S1	.00500	.00530	.000	5.92	.01607	.000	1
S2	.62500	.63065	.006	.904	1.9323	.003	1
S3	1.2500	1.2558	.006	.466	3.8481	.007	1
S4	2.5000	2.4995	-.000	-.020	7.6591	.017	1
S5	5.0000	4.9887	-.011	-.226	15.287	.012	1

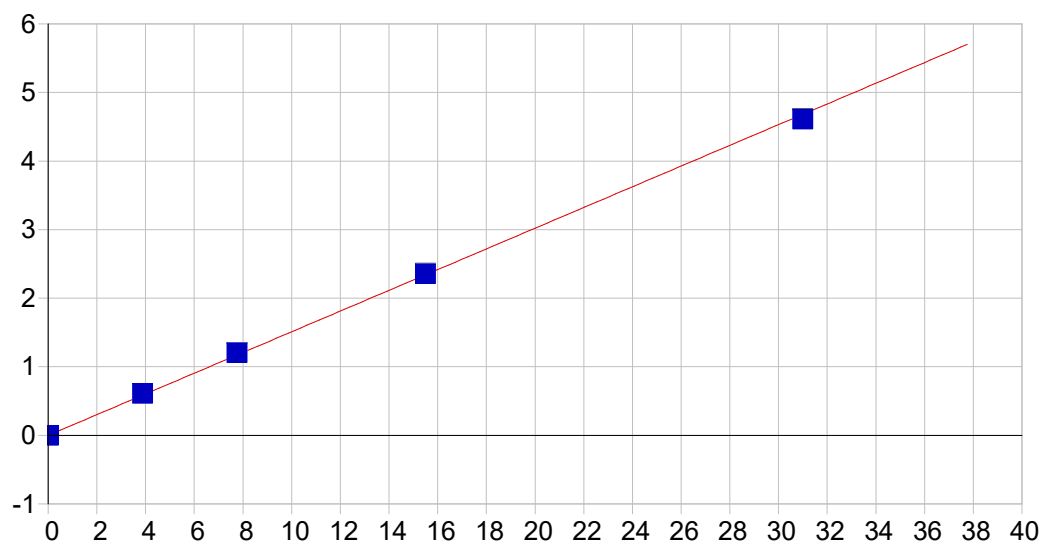


Ca 373.690 { 90}

Date of Fit: 11/16/2019 11:16:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000278 Re-Slope: 1.000000
 A1 (Gain): 0.065965 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999883 Status: OK.
 Std Error of Est: 0.003476
 Predicted MDL: 0.012579
 Predicted MQL: 0.041930

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00024	-.000	.000	-.00029	.001	1
S1	5.0000	5.3118	.312	6.24	.35002	.001	1
S2	62.500	62.883	.383	.613	4.1109	.004	1
S3	125.00	124.62	-.382	-.306	8.1464	.027	1
S4	250.00	246.17	-3.83	-1.53	16.091	.006	1
S5	500.00	491.69	-8.31	-1.66	32.139	.071	1
S6	800.00	811.91	11.9	1.49	52.771	.455	1

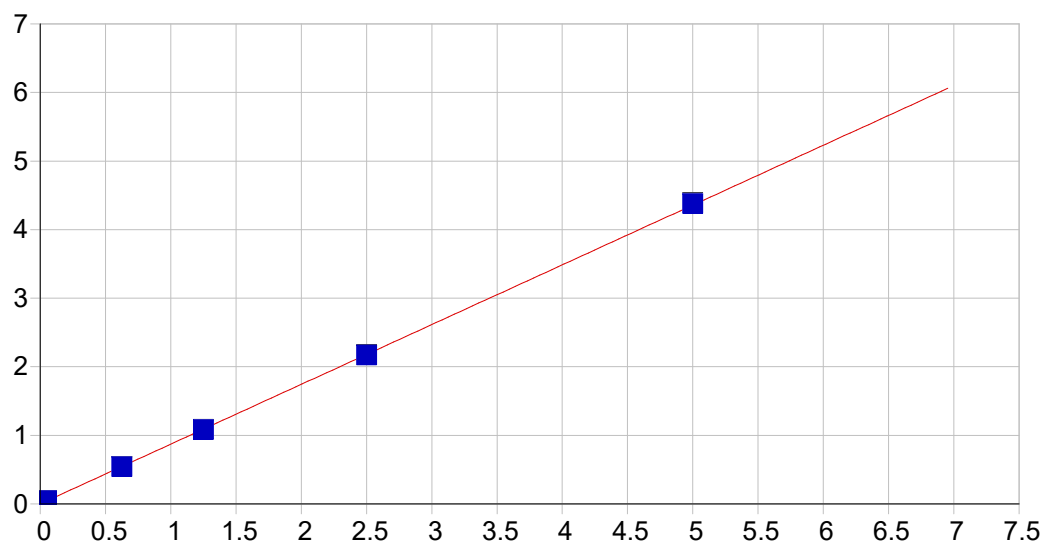


Cr 267.716 {126}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000016 Re-Slope: 1.000000
 A1 (Gain): 0.151025 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999811 Status: OK.
 Std Error of Est: 0.000087
 Predicted MDL: 0.000600
 Predicted MQL: 0.002000

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00002	.000	1
S1	.01000	.01090	.001	9.04	.00166	.000	1
S2	3.8750	4.0384	.163	4.22	.61065	.001	1
S3	7.7500	7.9770	.227	2.93	1.2062	.002	1
S4	15.500	15.598	.098	.635	2.3587	.004	1
S5	31.000	30.510	-.490	-1.58	4.6137	.005	1

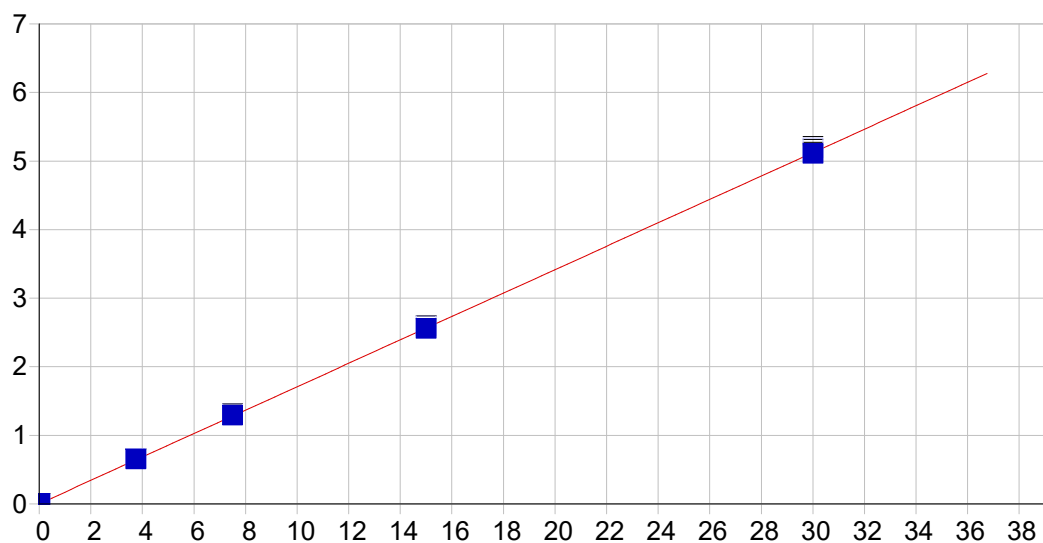


Co 228.616 {448}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	0.000250	Re-Slope:	1.000000
A1 (Gain):	0.871562	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999984	Status:	OK.
Std Error of Est:	0.000132		
Predicted MDL:	0.000249		
Predicted MQL:	0.000830		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00025	.000	1
S1	.05000	.05115	.001	2.29	.04498	.000	1
S2	.62500	.61966	-.005	-.854	.54119	.001	1
S3	1.2500	1.2420	-.008	-.639	1.0845	.001	1
S4	2.5000	2.4877	-.012	-.494	2.1719	.005	1
S5	5.0000	5.0245	.025	.491	4.3864	.007	1

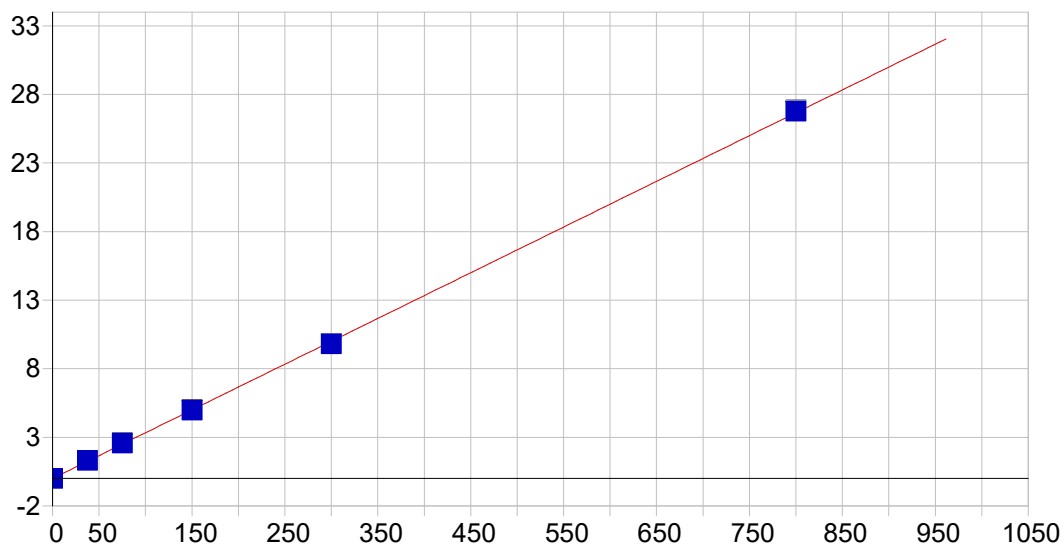


Cu 324.754 {104}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001766 Re-Slope: 1.000000
 A1 (Gain): 0.170719 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999984 Status: OK.
 Std Error of Est: 0.000046
 Predicted MDL: 0.003138
 Predicted MQL: 0.010459

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00177	.000	1
S1	.02500	.02455	-.000	-1.81	.00681	.000	1
S2	3.7500	3.8124	.062	1.66	.66289	.002	1
S3	7.5000	7.5624	.062	.831	1.3133	.001	1
S4	15.000	14.959	-.041	-.270	2.5967	.003	1
S5	30.000	29.916	-.084	-.279	5.1912	.020	1

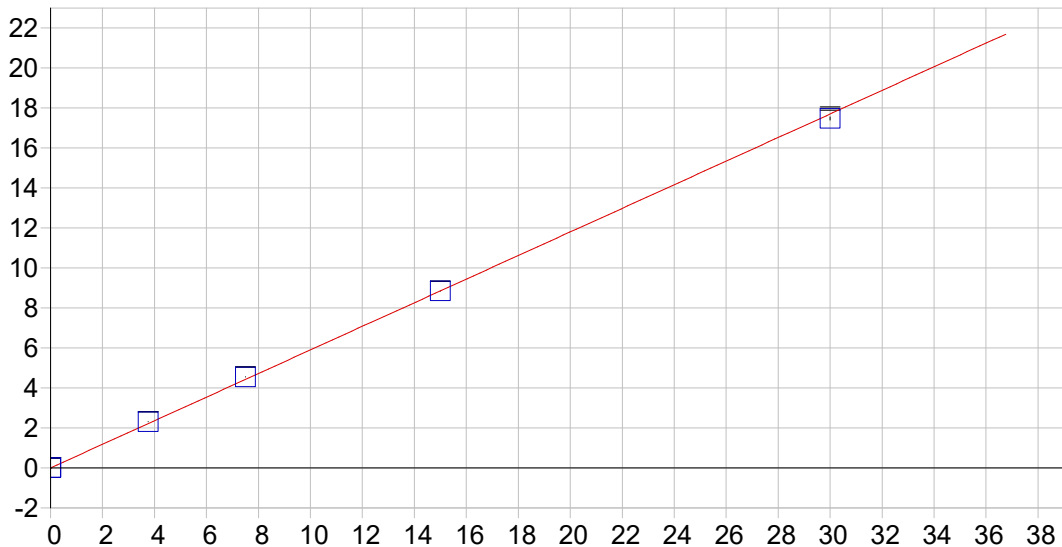


Fe 259.837 {130}

Date of Fit: 11/16/2019 11:16:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000089 Re-Slope: 1.000000
 A1 (Gain): 0.033330 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999904 Status: OK.
 Std Error of Est: 0.000202
 Predicted MDL: 0.008360
 Predicted MQL: 0.027867

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	.00009	.000	1
S1	.10000	.12096	.021	21.0	.00426	.000	1
S2	37.500	39.086	1.59	4.23	1.3054	.002	1
S3	75.000	76.999	2.00	2.67	2.5716	.010	1
S4	150.00	149.18	-.819	-.546	4.9826	.011	1
S5	300.00	294.01	-5.99	-2.00	9.8202	.017	1
S6	800.00	803.20	3.20	.400	26.804	.059	1

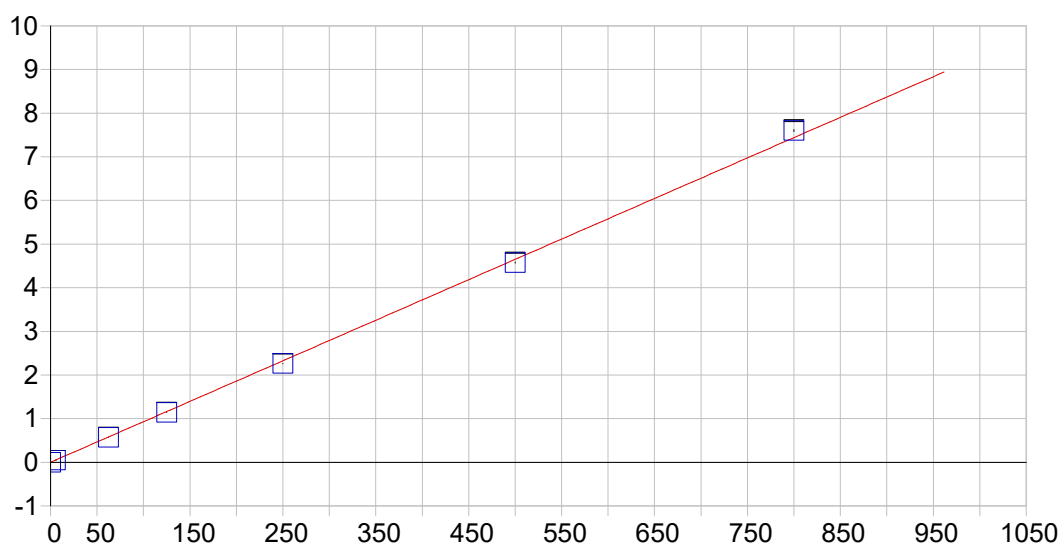


Mn 257.610 {131}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000251 Re-Slope: 1.000000
 A1 (Gain): 0.590122 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999838 Status: OK.
 Std Error of Est: 0.000378
 Predicted MDL: 0.000476
 Predicted MQL: 0.001587

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00025	.000	1
S1	.01500	.01711	.002	14.1	.01035	.000	1
S2	3.7500	3.9149	.165	4.40	2.3105	.009	1
S3	7.5000	7.7140	.214	2.85	4.5524	.009	1
S4	15.000	14.991	-.009	-.060	8.8467	.010	1
S5	30.000	29.628	-.372	-1.24	17.484	.079	1

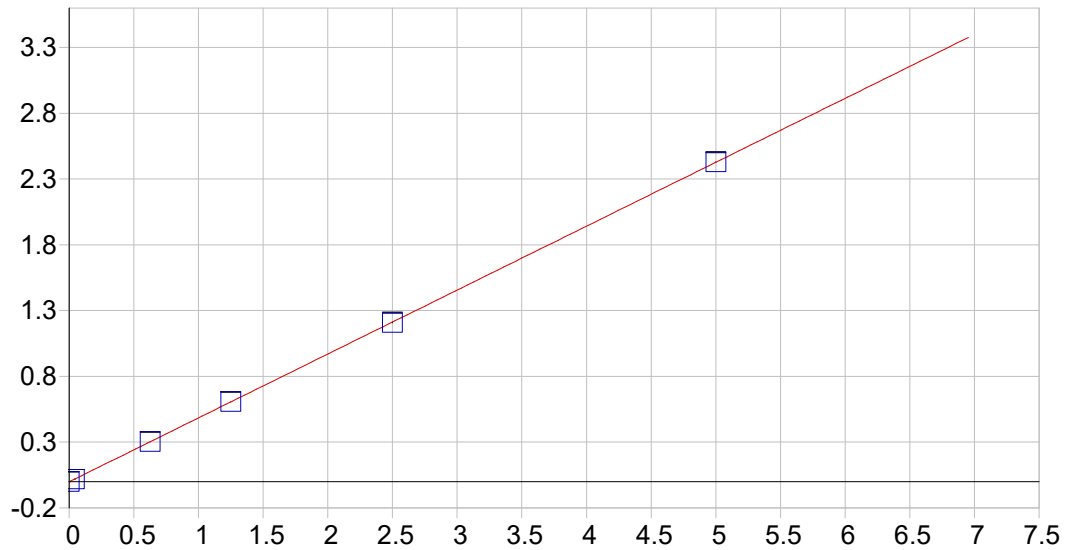


Mg 279.079 {121}

Date of Fit: 11/16/2019 11:16:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000074 Re-Slope: 1.000000
 A1 (Gain): 0.009300 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999786 Status: OK.
 Std Error of Est: 0.000672
 Predicted MDL: 0.031933
 Predicted MQL: 0.106442

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	-.00007	.000	1
S1	5.0000	5.2444	.244	4.89	.04870	.001	1
S2	62.500	61.430	-1.07	-1.71	.57124	.003	1
S3	125.00	123.06	-1.94	-1.55	1.1444	.003	1
S4	250.00	243.33	-6.67	-2.67	2.2629	.004	1
S5	500.00	492.00	-8.00	-1.60	4.5757	.012	1
S6	800.00	817.44	17.4	2.18	7.6023	.023	1

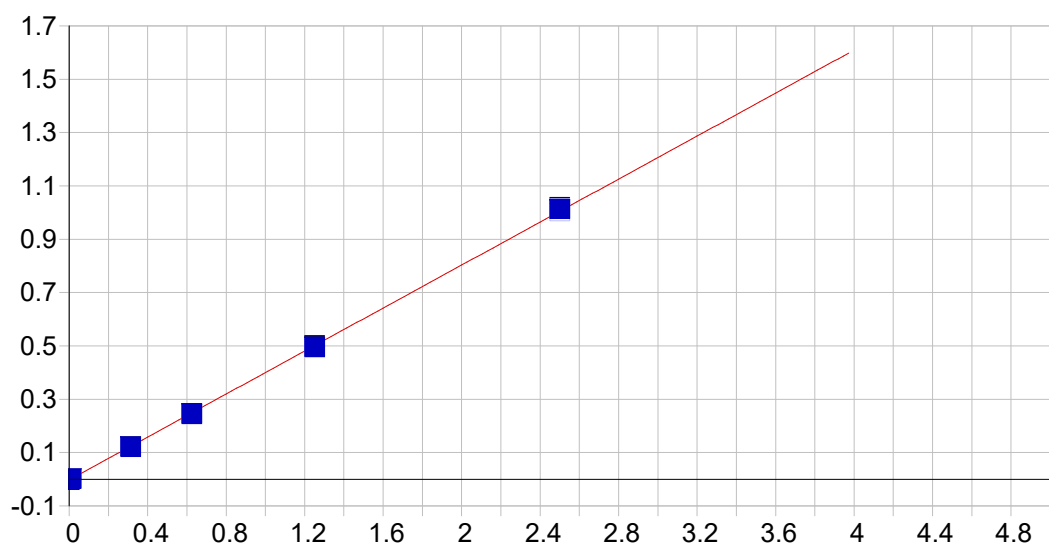


Ni 231.604 {446}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001430 Re-Slope: 1.000000
 A1 (Gain): 0.485811 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999987 Status: OK.
 Std Error of Est: 0.000058
 Predicted MDL: 0.000447
 Predicted MQL: 0.001488

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00143	.000	1
S1	.04000	.04286	.003	7.14	.01939	.000	1
S2	.62500	.62601	.001	.162	.30269	.000	1
S3	1.2500	1.2525	.002	.198	.60704	.001	1
S4	2.5000	2.4915	-.009	-.340	1.2090	.003	1
S5	5.0000	5.0022	.002	.043	2.4287	.003	1

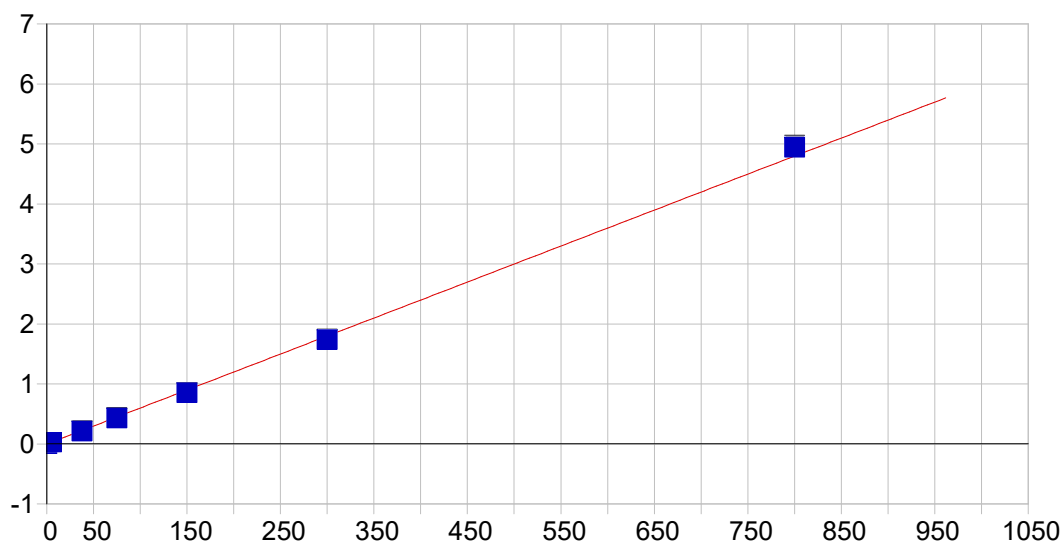


Ag 328.068 {103}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002907 Re-Slope: 1.000000
 A1 (Gain): 0.403028 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999937 Status: OK.
 Std Error of Est: 0.000037
 Predicted MDL: 0.000474
 Predicted MQL: 0.001580

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00291	.000	1
S1	.01000	.01122	.001	12.2	.00158	.000	1
S2	.31250	.30844	-.004	-1.30	.12033	.000	1
S3	.62500	.61653	-.008	-1.35	.24342	.000	1
S4	1.2500	1.2400	-.010	-.797	.49255	.004	1
S5	2.5000	2.5213	.021	.851	1.0046	.006	1

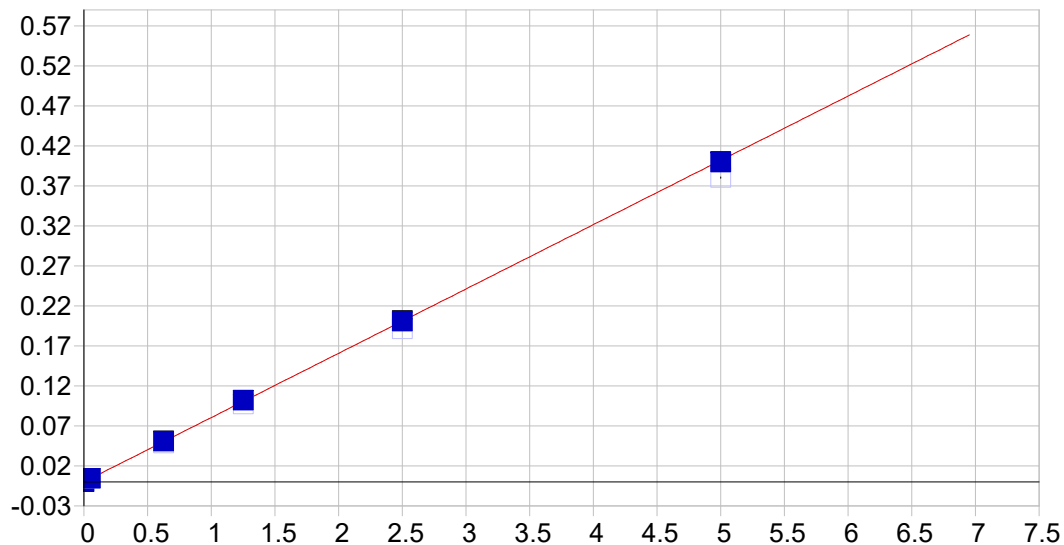


Na 818.326 { 41}

Date of Fit: 11/16/2019 11:16:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.001710	Re-Slope:	1.000000
A1 (Gain):	0.005998	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999360	Status:	OK.
Std Error of Est:	0.000667		
Predicted MDL:	0.288856		
Predicted MQL:	0.962853		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00066	.001	.000	-.00171	.001	1
S1	5.0000	5.0787	.079	1.57	.02876	.001	1
S2	37.500	35.842	-1.66	-4.42	.21427	.001	1
S3	75.000	71.792	-3.21	-4.28	.43091	.002	1
S4	150.00	141.66	-8.34	-5.56	.85201	.003	1
S5	300.00	289.28	-10.7	-3.57	1.7414	.004	1
S6	800.00	823.84	23.8	2.98	4.9611	.018	1

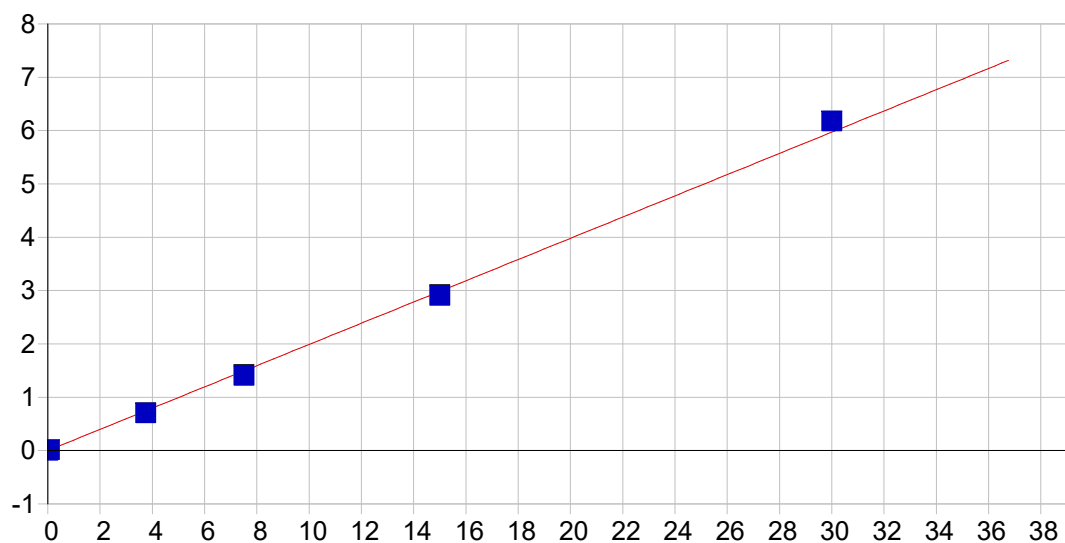


V 292.402 {115}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000037 Re-Slope: 1.000000
 A1 (Gain): 0.080378 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999959 Status: OK.
 Std Error of Est: 0.000019
 Predicted MDL: 0.004066
 Predicted MQL: 0.013553

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00004	.000	1
S1	.05000	.05342	.003	6.84	.00432	.000	1
S2	.62500	.63207	.007	1.13	.04843	.000	1
S3	1.2500	1.2673	.017	1.38	.09708	.000	1
S4	2.5000	2.4998	-.000	-.007	.19133	.001	1
S5	5.0000	4.9722	-.028	-.556	.38043	.001	1

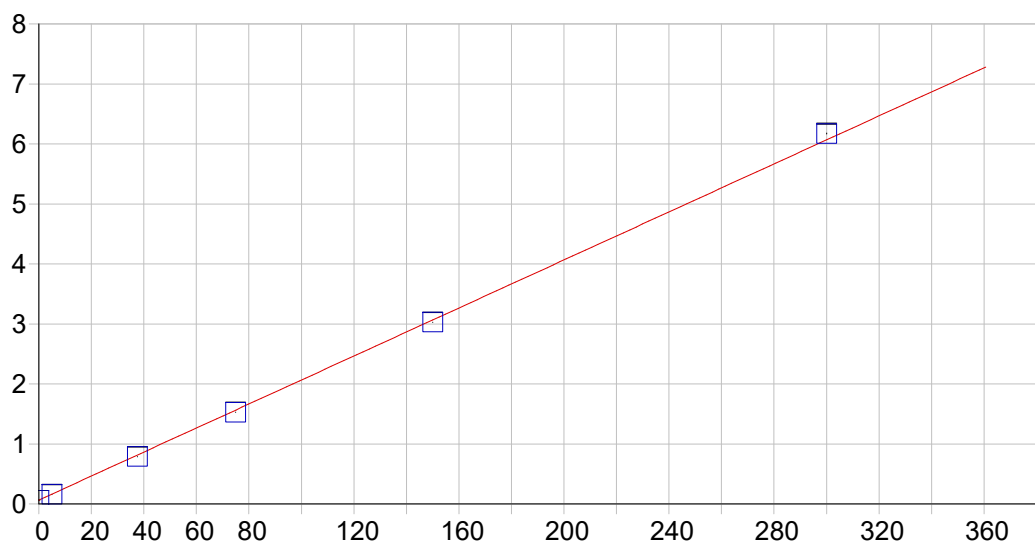


Zn 213.856 {158}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000054 Re-Slope: 1.000000
 A1 (Gain): 0.199020 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999252 Status: OK.
 Std Error of Est: 0.000549
 Predicted MDL: 0.002789
 Predicted MQL: 0.009297

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00005	.000	1
S1	.06000	.06848	.008	14.1	.01361	.001	1
S2	3.7500	3.5250	-.225	-6.00	.70272	.005	1
S3	7.5000	7.0705	-.430	-5.73	1.4096	.017	1
S4	15.000	14.615	-.385	-2.57	2.9134	.009	1
S5	30.000	31.031	1.03	3.44	6.1856	.005	1

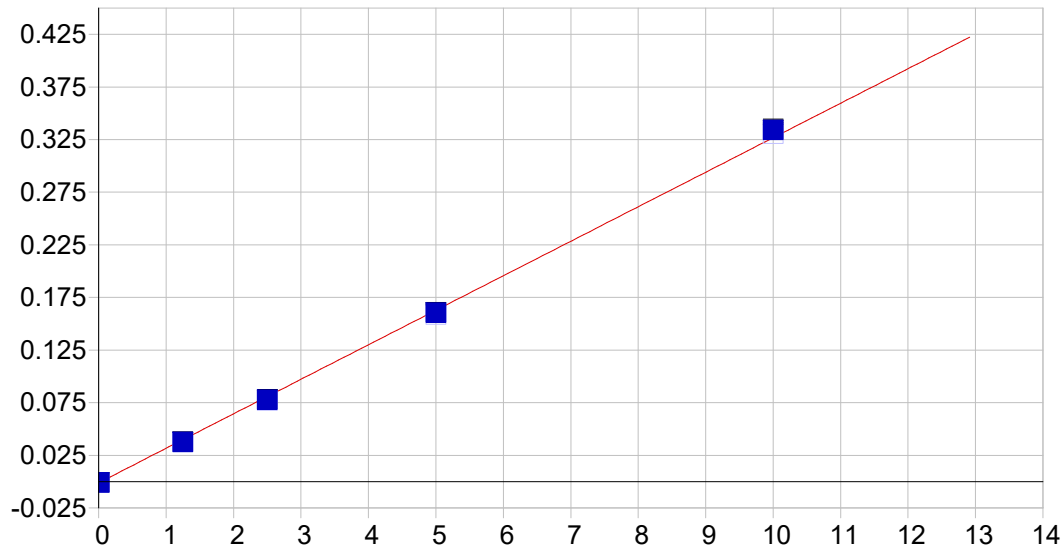


K 769.896 { 44}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.063947 Re-Slope: 1.000000
 A1 (Gain): 0.020010 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999802 Status: OK.
 Std Error of Est: 0.000821
 Predicted MDL: 0.079155
 Predicted MQL: 0.263850

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00054	.001	.000	.06396	.001	1
S1	5.0000	4.7431	-.257	-5.14	.15886	.002	1
S2	37.500	36.129	-1.37	-3.65	.78691	.001	1
S3	75.000	73.155	-1.84	-2.46	1.5278	.003	1
S4	150.00	148.17	-1.83	-1.22	3.0290	.003	1
S5	300.00	305.30	5.30	1.77	6.1731	.009	1

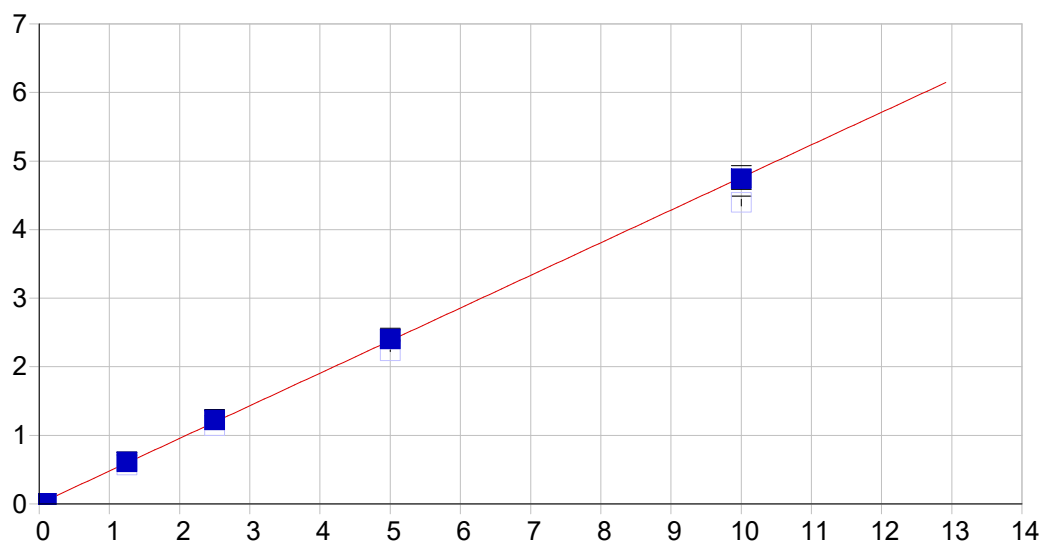


P 177.495 {490}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001159 Re-Slope: 1.000000
 A1 (Gain): 0.032794 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999635 Status: OK.
 Std Error of Est: 0.000015
 Predicted MDL: 0.002755
 Predicted MQL: 0.009182

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00116	.000	1
S1	.01000	.00758	-.002	-24.2	-.00091	.000	1
S2	1.2500	1.1846	-.065	-5.23	.03723	.000	1
S3	2.5000	2.4097	-.090	-3.61	.07695	.000	1
S4	5.0000	4.9306	-.069	-1.39	.15869	.000	1
S5	10.000	10.228	.228	2.28	.33056	.001	1

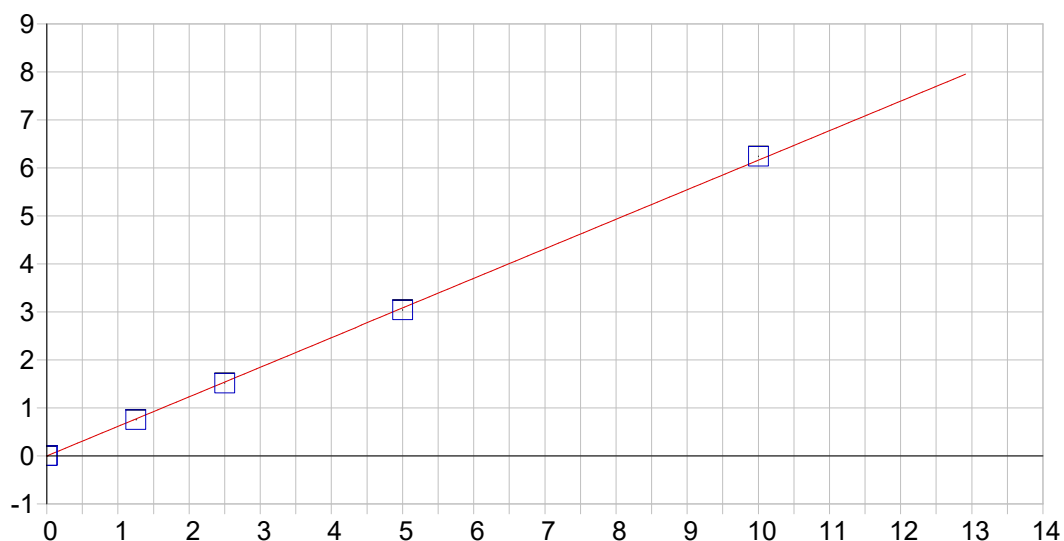


B 249.678 {135}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003157 Re-Slope: 1.000000
 A1 (Gain): 0.475693 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.997270 Status: OK.
 Std Error of Est: 0.001737
 Predicted MDL: 0.000994
 Predicted MQL: 0.003314

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00009	.000	.000	.00320	.000	1
S1	.10000	.00729	-.093	-92.7	.00653	.000	1
S2	1.2500	1.2760	.026	2.08	.56698	.003	1
S3	2.5000	2.5660	.066	2.64	1.1375	.008	1
S4	5.0000	5.0493	.049	.985	2.2324	.013	1
S5	10.000	9.9585	-.041	-.415	4.3951	.048	1

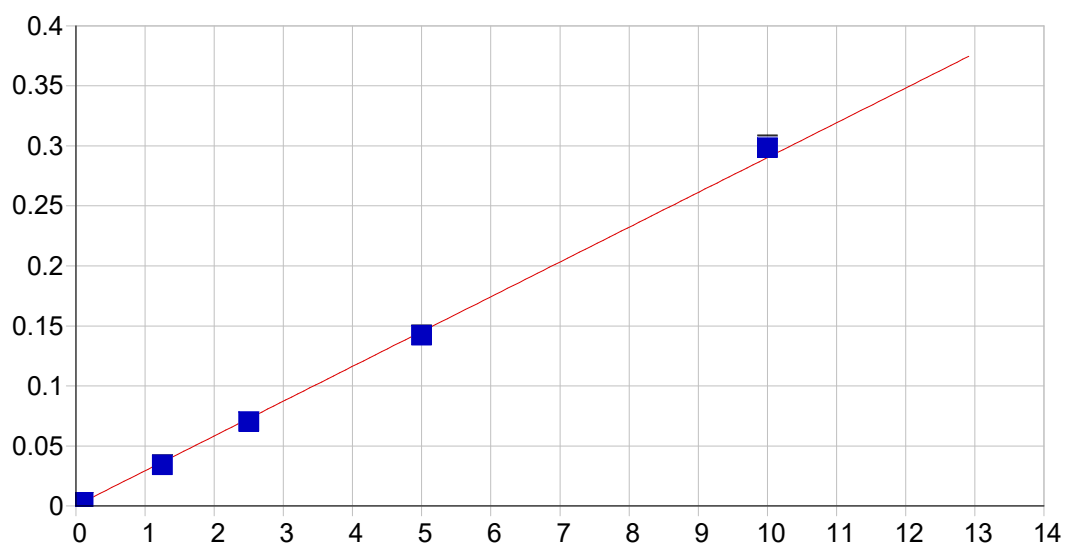


Mo 202.030 {467}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000045 Re-Slope: 1.000000
 A1 (Gain): 0.616131 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999899 Status: OK.
 Std Error of Est: 0.000147
 Predicted MDL: 0.000287
 Predicted MQL: 0.000957

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00005	.000	1
S1	.01000	.01041	.000	4.13	.00646	.000	1
S2	1.2500	1.2252	-.025	-1.99	.75492	.001	1
S3	2.5000	2.4600	-.040	-1.60	1.5157	.001	1
S4	5.0000	4.9329	-.067	-1.34	3.0393	.007	1
S5	10.000	10.132	.132	1.32	6.2424	.002	1

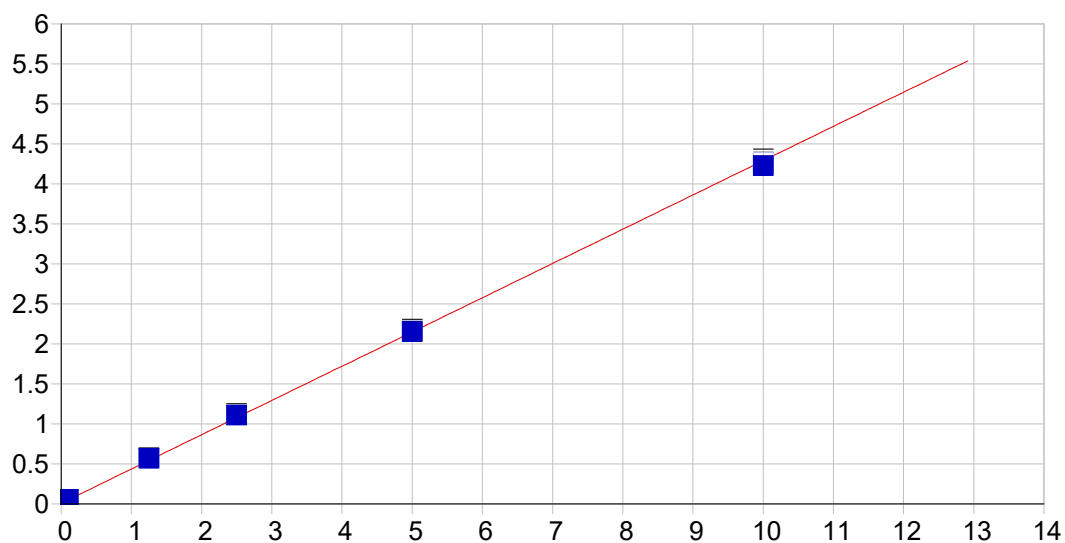


S 182.034 {485}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000311 Re-Slope: 1.000000
 A1 (Gain): 0.028992 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999486 Status: OK.
 Std Error of Est: 0.000050
 Predicted MDL: 0.003832
 Predicted MQL: 0.012775

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00031	.000	1
S1	.10000	.09346	-.007	-6.54	.00302	.000	1
S2	1.2500	1.1683	-.082	-6.53	.03426	.000	1
S3	2.5000	2.4106	-.089	-3.57	.07035	.000	1
S4	5.0000	4.8916	-.108	-2.17	.14243	.000	1
S5	10.000	10.286	.286	2.86	.29913	.002	1

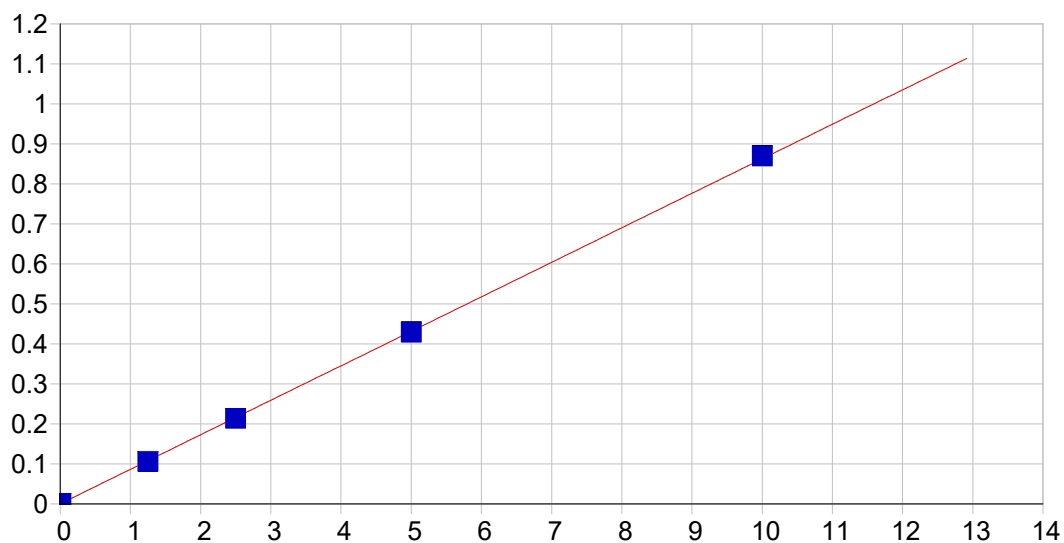


Si 251.611 {134}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008213 Re-Slope: 1.000000
 A1 (Gain): 0.428204 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999772 Status: OK.
 Std Error of Est: 0.000490
 Predicted MDL: 0.001123
 Predicted MQL: 0.003742

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00002	-.000	.000	.00820	.000	1
S1	.10000	.11503	.015	15.0	.05762	.001	1
S2	1.2500	1.3059	.056	4.47	.57212	.003	1
S3	2.5000	2.5695	.070	2.78	1.1180	.009	1
S4	5.0000	5.0031	.003	.062	2.1695	.014	1
S5	10.000	9.8565	-.143	-1.43	4.2667	.044	1

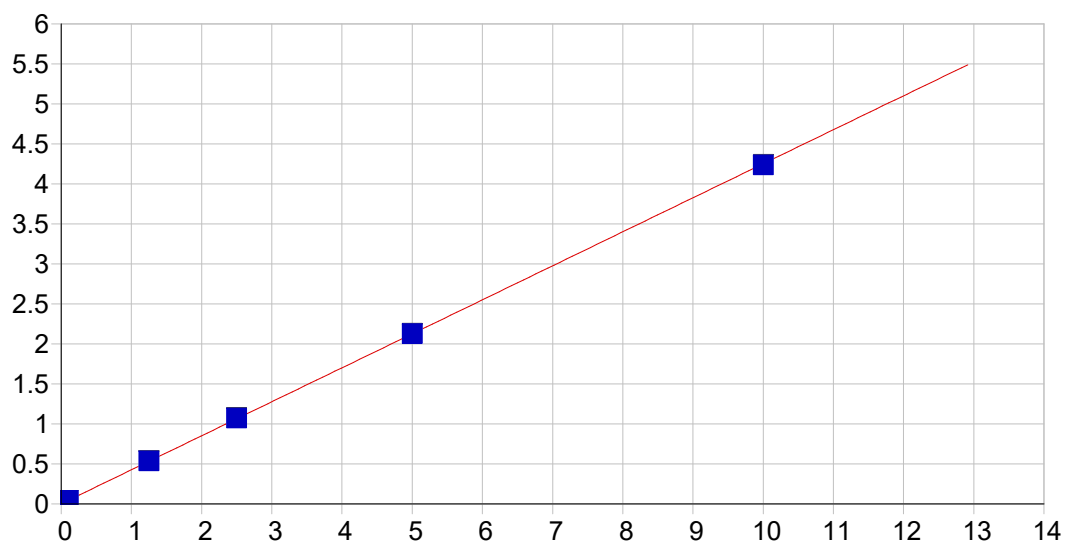


Sn 189.989 {478}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000255 Re-Slope: 1.000000
 A1 (Gain): 0.086242 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999947 Status: OK.
 Std Error of Est: 0.000012
 Predicted MDL: 0.001137
 Predicted MQL: 0.003791

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00025	.000	1
S1	.00700	.00567	-.001	-19.1	.00073	.000	1
S2	1.2500	1.2240	-.026	-2.08	.10560	.000	1
S3	2.5000	2.4714	-.029	-1.14	.21295	.000	1
S4	5.0000	4.9722	-.028	-.555	.42818	.001	1
S5	10.000	10.084	.084	.836	.86811	.001	1

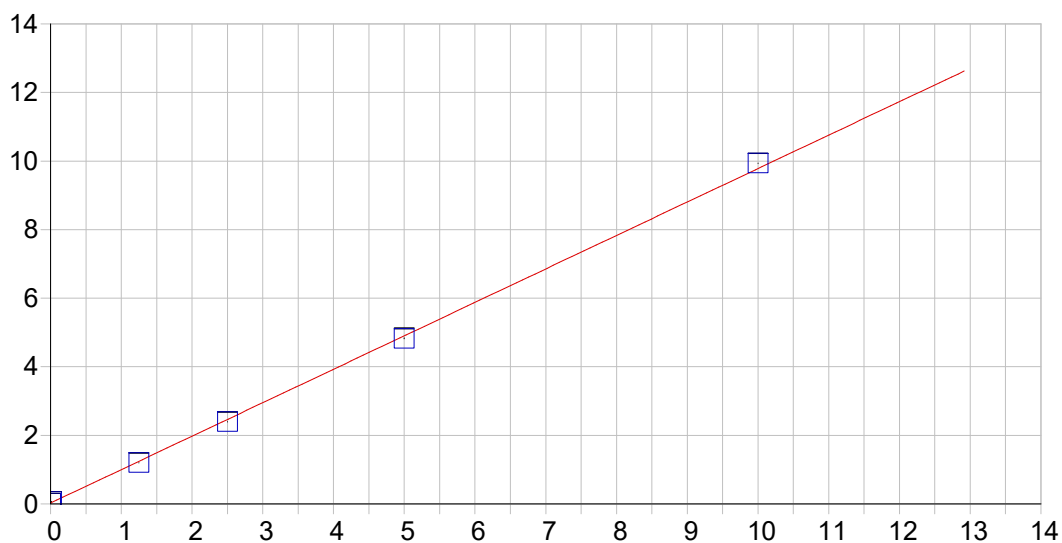


Ti 336.121 {100}

Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001023 Re-Slope: 1.000000
 A1 (Gain): 0.425047 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999987 Status: OK.
 Std Error of Est: 0.000115
 Predicted MDL: 0.001395
 Predicted MQL: 0.004651

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00102	.000	1
S1	.10000	.10189	.002	1.89	.04432	.001	1
S2	1.2500	1.2626	.013	1.01	.53751	.002	1
S3	2.5000	2.5222	.022	.888	1.0727	.004	1
S4	5.0000	4.9997	-.000	-.007	2.1254	.005	1
S5	10.000	9.9636	-.036	-.364	4.2346	.009	1

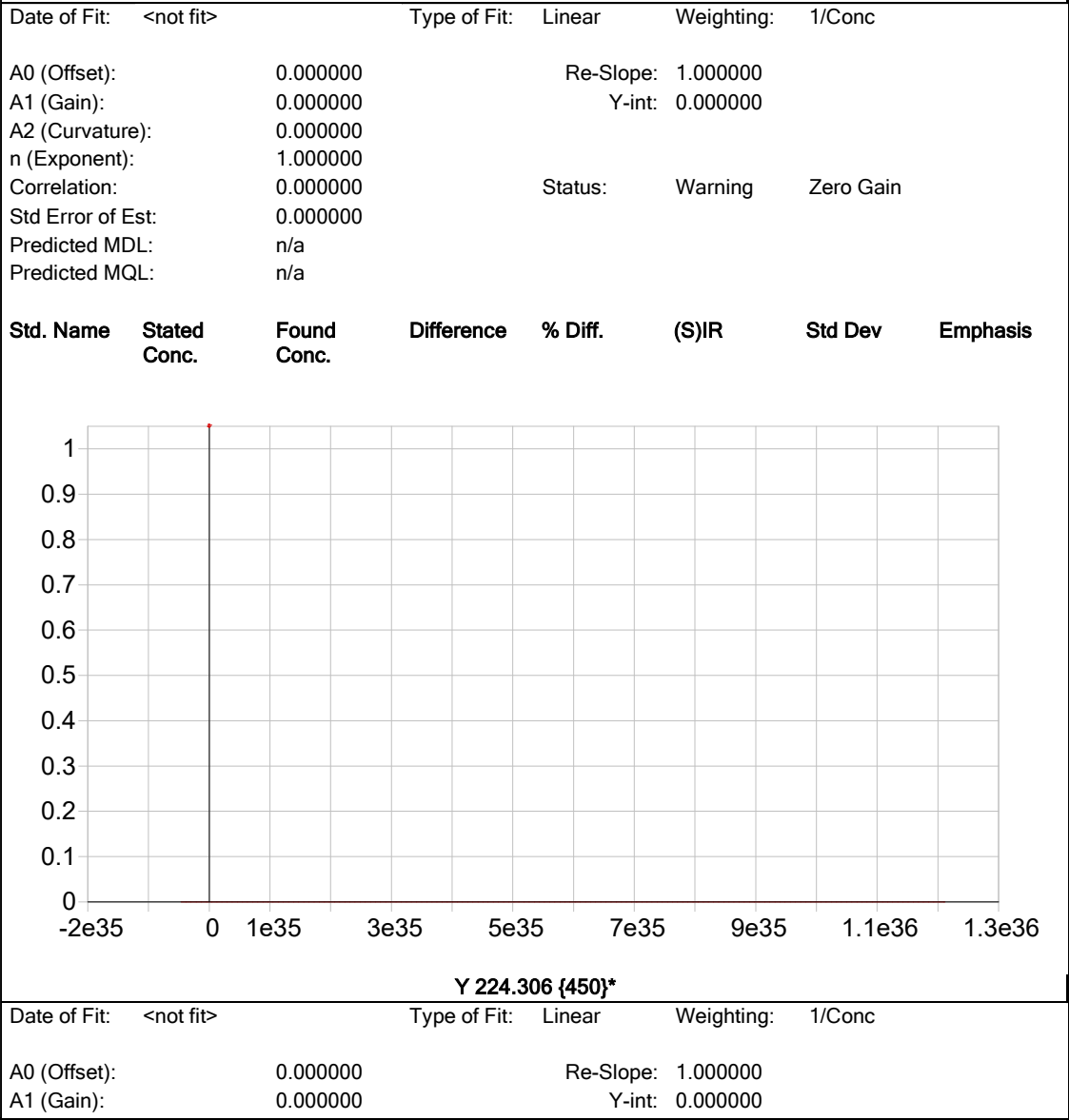
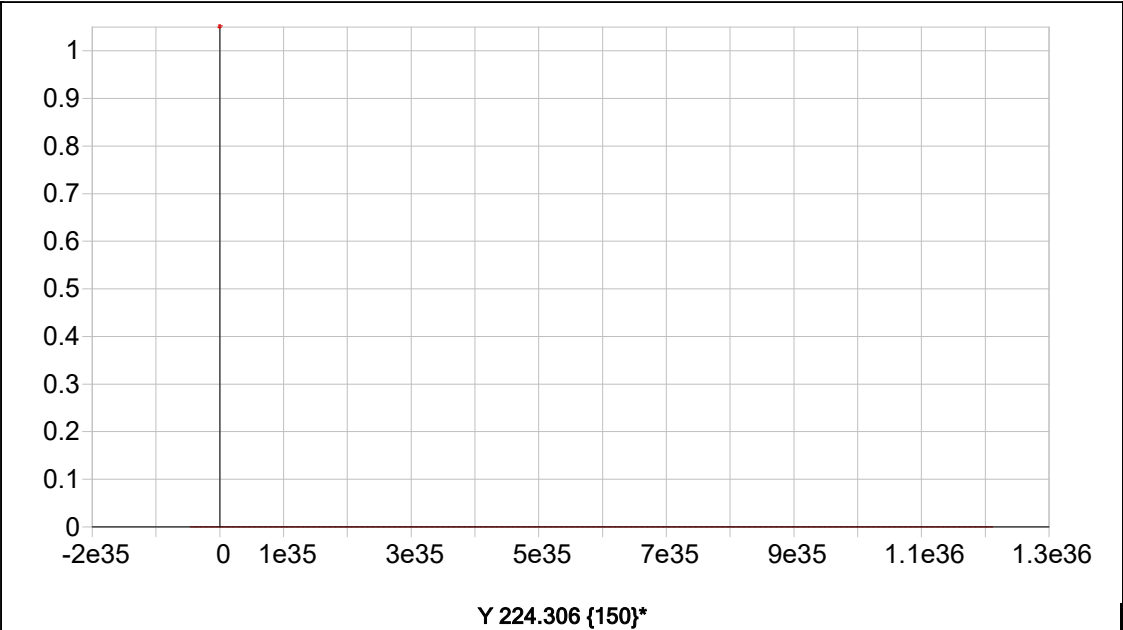


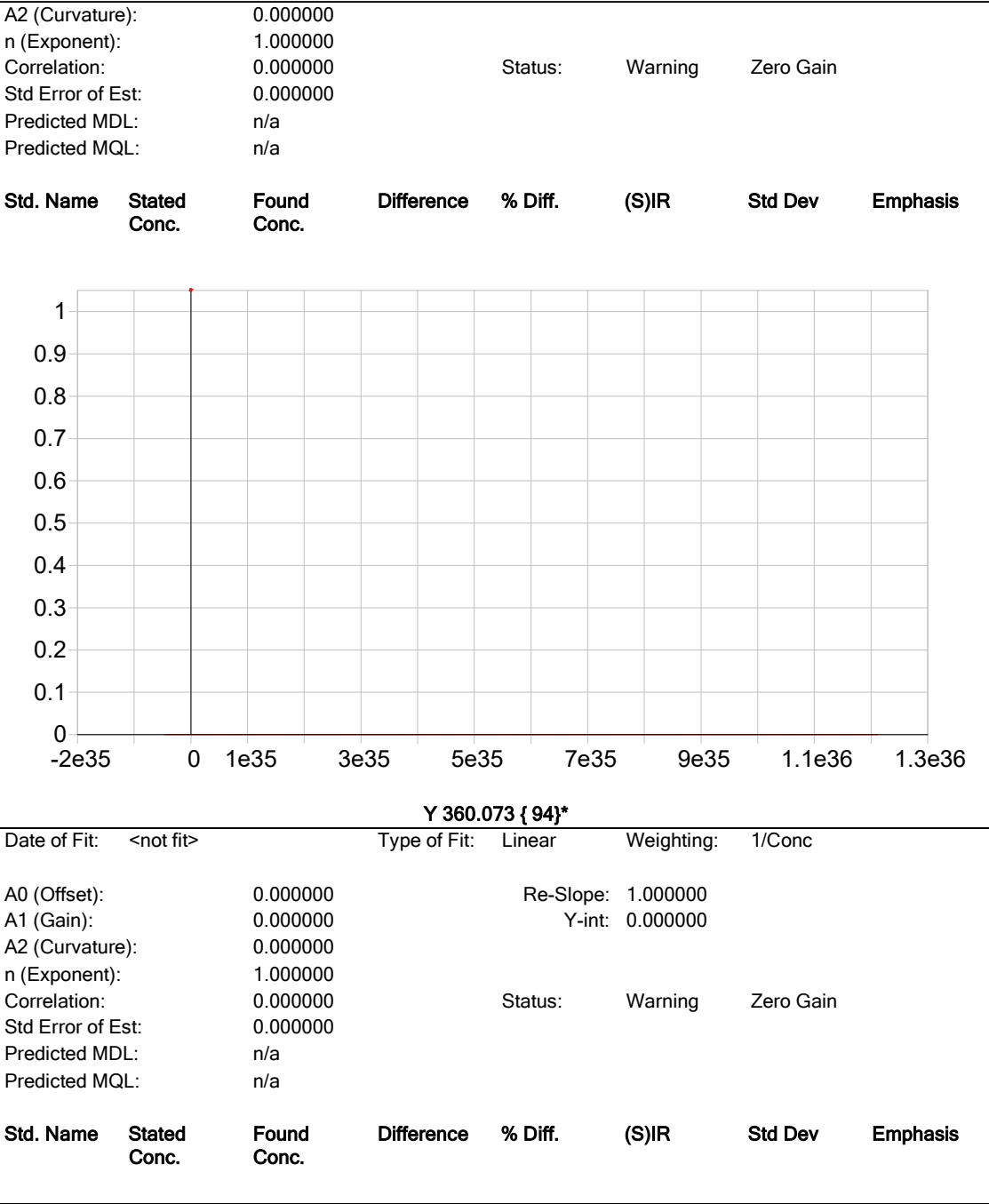
Li 670.784 { 50}

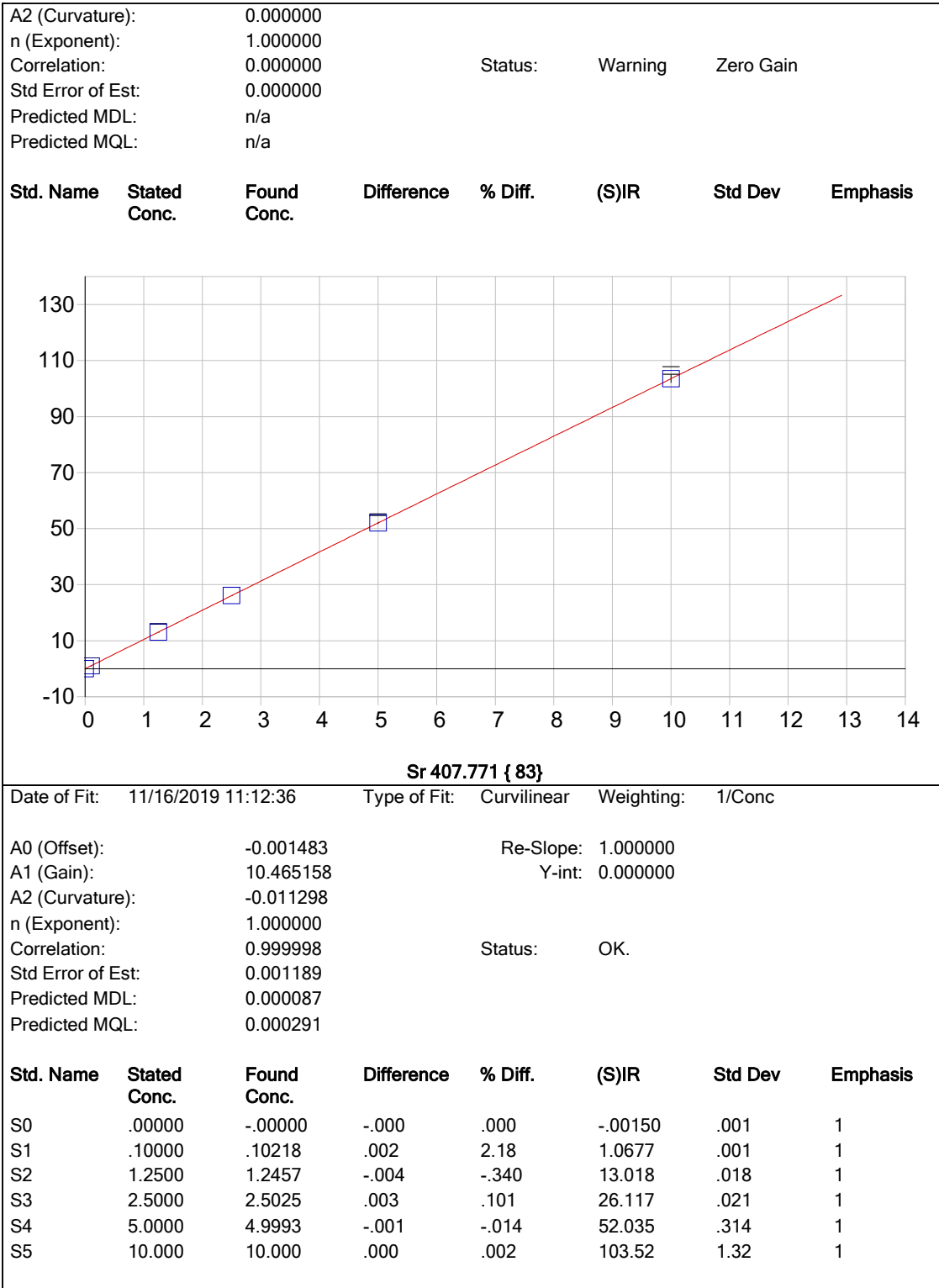
Date of Fit: 11/16/2019 11:12:36 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.024127 Re-Slope: 1.000000
 A1 (Gain): 0.975702 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.998177 Status: OK.
 Std Error of Est: 0.001212
 Predicted MDL: 0.001933
 Predicted MQL: 0.006444

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	-.000	.000	.02410	.001	1
S5	10.000	10.160	.160	1.60	9.9376	.007	1
S4	5.0000	4.9228	-.077	-1.54	4.8273	.016	1
S3	2.5000	2.4315	-.069	-2.74	2.3965	.006	1
S2	1.2500	1.2050	-.045	-3.60	1.1999	.004	1
S1	.01500	.04532	.030	202.	.06835	.002	1







Sample Name: S0 Acquired: 11/16/2019 10:48:50 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	-.00012	-.00037	-.00039	.00059	.00053	.00293	.01354	-.00094
Stddev	.00006	.00004	.00002	.00017	.00005	.00071	.00154	.00015
%RSD	46.364	10.201	5.4302	29.035	9.1506	24.219	11.337	15.593

#1	-.00006	-.00034	-.00039	.00066	.00058	.00325	.01527	-.00111
#2	-.00018	-.00041	-.00038	.00039	.00048	.00212	.01305	-.00083
#3	-.00013	-.00037	-.00042	.00071	.00054	.00342	.01232	-.00088

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	-.00014	-.00029	.00002	.00025	.00177	.00009	.00025	-.00007
Stddev	.00022	.00089	.00005	.00017	.00049	.00013	.00041	.00007
%RSD	158.00	304.05	354.01	69.751	27.473	147.93	163.54	87.751

#1	-.00038	-.00094	.00005	.00045	.00142	.00019	.00071	-.00015
#2	-.00009	.00072	.00005	.00012	.00156	.00013	-.00007	-.00002
#3	.00005	-.00066	-.00005	.00019	.00232	-.00006	.00010	-.00006

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00143	-.00291	-.00171	.00004	-.00005	.06396	-.00116	.00320
Stddev	.00013	.00008	.00112	.00009	.00019	.00060	.00004	.00034
%RSD	9.3578	2.6374	65.521	230.69	344.98	.93290	3.7698	10.537

#1	-.00147	-.00282	-.00299	.00001	.00013	.06339	-.00117	.00358
#2	-.00128	-.00294	-.00121	.00013	-.00024	.06458	-.00119	.00294
#3	-.00154	-.00296	-.00092	-.00003	-.00005	.06390	-.00111	.00307

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	.00005	.00031	.00820	.00025	.00102	.02410	-.00150	
Stddev	.00010	.00011	.00029	.00005	.00038	.00123	.00093	
%RSD	211.19	34.716	3.5564	18.759	37.134	5.0854	62.056	

#1	.00014	.00040	.00825	.00027	.00067	.02544	-.00170	
#2	.00004	.00034	.00789	.00030	.00097	.02303	-.00049	
#3	-.00005	.00019	.00847	.00020	.00143	.02383	-.00232	

Sample Name: S0 Acquired: 11/16/2019 10:48:50 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	1854.3	4031.7	39993.	7273.9	4322.7
Stddev	1.5	4.1	92.	7.9	7.5
%RSD	.08112	.10268	.22958	.10829	.17396
#1	1855.8	4027.3	39890.	7265.1	4314.6
#2	1854.4	4032.4	40065.	7276.2	4329.6
#3	1852.8	4035.4	40025.	7280.3	4323.9

Sample Name: K5844-01A Acquired: 11/16/2019 11:45:32 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MJLP50A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2826765	.0041899	7.476336	.0045958	.0123105	123.8788
Stddev	.0011814	.0028612	.016108	.0040962	.0027811	.2348
%RSD	.4179339	68.28792	.2154491	89.12844	22.59152	.1895272

#1	.2839871	.0062322	7.461385	.0053147	.0151085	123.6185
#2	.2816933	.0009197	7.474230	.0082850	.0122763	124.0746
#3	.2823492	.0054177	7.493393	.0001878	.0095466	123.9434

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.628785	.0066520	.1284493	115.1640	.2478952	.0825202
Stddev	.006216	.0001110	.0004016	.3962	.0001608	.0003317
%RSD	.2364750	1.668210	.3126275	.3440342	.0648691	.4018977

#1	2.627970	.0065294	.1283081	115.1757	.2477321	.0825911
#2	2.635368	.0067456	.1281375	115.5543	.2480536	.0821588
#3	2.623016	.0066809	.1289025	114.7621	.2478999	.0828106

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.017042	191.1748	5.242858	55.31082	.1989516	-.000475
Stddev	.006421	.9792	.022064	.32729	.0005325	.000298
%RSD	.1598413	.5122108	.4208433	.5917314	.2676437	62.67782

#1	4.013995	191.2816	5.240137	55.25984	.1984364	-.000617
#2	4.012713	192.0963	5.266156	55.66061	.1989186	-.000133
#3	4.024419	190.1466	5.222280	55.01201	.1994998	-.000676

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.051794	.3001115	6.496341	16.64760	F 19.80592	.0128536
Stddev	.073650	.0023072	.018605	.08623	.04525	.0054293
%RSD	7.002317	.7687654	.2863899	.5179900	.2284688	42.23941

#1	1.136830	.2979151	6.507816	16.69939	19.75724	.0180864
#2	1.010295	.2999039	6.474875	16.69536	19.84670	.0072471
#3	1.008257	.3025154	6.506333	16.54806	19.81382	.0132273

Sample Name: K5844-01A Acquired: 11/16/2019 11:45:32 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MJLP50A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079491	7.728941	4.060324	.0585860	6.461176	.1455250
Stddev	.0002859	.018947	.050299	.0012402	.018143	.0019309
%RSD	3.596182	.2451434	1.238793	2.116927	.2808030	1.326848

#1	.0082650	7.750751	4.028688	.0599737	6.444329	.1433309
#2	.0077082	7.716542	4.118324	.0581986	6.480384	.1469655
#3	.0078741	7.719531	4.033959	.0575858	6.458816	.1462785

Elem	Sr4077
Units	ppm
Avg	.5833386
Stddev	.0006768
%RSD	.1160182

#1	.5837159
#2	.5837427
#3	.5825573

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2011.775	4207.840	44150.20	8272.624	4132.461
Stddev	4.877	4.127	168.15	60.460	8.353
%RSD	.2424071	.0980853	.3808498	.7308441	.2021415

#1	2017.257	4205.331	44172.31	8326.855	4141.474
#2	2007.920	4212.604	44306.20	8207.434	4130.928
#3	2010.146	4205.586	43972.10	8283.584	4124.980

Sample Name: S1 Acquired: 11/16/2019 10:52:57 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	.00021	.00091	.00174	.00264	.00653	.01719	.62210	.02439
Stddev	.00006	.00006	.00013	.00018	.00011	.00037	.00097	.00039
%RSD	27.284	6.5956	7.4925	6.8097	1.6699	2.1803	.15551	1.5993
#1	.00015	.00084	.00189	.00253	.00656	.01676	.62289	.02450
#2	.00027	.00096	.00166	.00285	.00662	.01745	.62239	.02472
#3	.00021	.00092	.00167	.00254	.00641	.01736	.62102	.02396
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	.01607	.35002	.00166	.04498	.00681	.00426	.01035	.04870
Stddev	.00021	.00091	.00005	.00020	.00032	.00021	.00033	.00073
%RSD	1.3056	.25969	3.2886	.43424	4.6293	4.8426	3.1637	1.5043
#1	.01629	.35105	.00167	.04483	.00649	.00435	.01052	.04953
#2	.01587	.34969	.00171	.04491	.00712	.00402	.01055	.04815
#3	.01606	.34932	.00161	.04520	.00683	.00441	.00997	.04842
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	.01939	.00158	.02876	.00432	.01361	.15886	-.00091	.00653
Stddev	.00033	.00019	.00120	.00038	.00052	.00228	.00004	.00035
%RSD	1.7187	12.081	4.1675	8.8131	3.8134	1.4327	3.8727	5.3367
#1	.01901	.00148	.02953	.00426	.01345	.15652	-.00088	.00684
#2	.01956	.00146	.02738	.00398	.01319	.15898	-.00090	.00659
#3	.01960	.00180	.02936	.00473	.01419	.16107	-.00095	.00615
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	.00646	.00302	.05762	.00073	.04432	.06835	1.0677	
Stddev	.00017	.00015	.00098	.00006	.00057	.00172	.0010	
%RSD	2.5877	5.0031	1.6989	8.3833	1.2895	2.5141	.09267	
#1	.00636	.00290	.05755	.00079	.04431	.07023	1.0688	
#2	.00637	.00298	.05864	.00068	.04375	.06687	1.0669	
#3	.00665	.00319	.05668	.00070	.04490	.06794	1.0675	

Sample Name: S1 Acquired: 11/16/2019 10:52:57 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	1862.5	4034.1	40251.	7361.2	4355.7
Stddev	10.0	2.9	178.	19.9	9.1
%RSD	.53592	.07116	.44266	.27056	.20932
#1	1856.8	4030.8	40352.	7348.8	4352.6
#2	1856.7	4035.7	40357.	7350.6	4348.5
#3	1874.0	4035.9	40046.	7384.1	4365.9

Sample Name: S2 Acquired: 11/16/2019 10:57:04 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	.04204	.06072	1.2446	.06737	.11946	2.5411	7.2996	.59015
Stddev	.00007	.00017	.0027	.00056	.00028	.0021	.0107	.00193
%RSD	.16801	.27234	.22006	.83140	.23084	.08430	.14610	.32708

#1	.04205	.06059	1.2472	.06765	.11977	2.5397	7.3065	.58814
#2	.04210	.06066	1.2417	.06672	.11923	2.5435	7.3049	.59034
#3	.04196	.06090	1.2449	.06773	.11939	2.5400	7.2873	.59198

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	1.9323	4.1109	.61065	.54119	.66289	1.3054	2.3105	.57124
Stddev	.0033	.0039	.00061	.00067	.00187	.0019	.0086	.00296
%RSD	.17231	.09549	.09934	.12307	.28190	.14239	.37319	.51868

#1	1.9347	4.1075	.61117	.54101	.66074	1.3036	2.3027	.56782
#2	1.9285	4.1152	.60998	.54063	.66415	1.3073	2.3198	.57290
#3	1.9338	4.1100	.61080	.54193	.66377	1.3053	2.3091	.57300

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	.30269	.12033	.21427	.04843	.70272	.78691	.03723	.56698
Stddev	.00035	.00002	.00074	.00041	.00505	.00063	.00008	.00302
%RSD	.11431	.01862	.34457	.85124	.71822	.07970	.20465	.53205

#1	.30278	.12032	.21398	.04798	.69785	.78643	.03726	.56465
#2	.30231	.12035	.21373	.04855	.70240	.78668	.03729	.56592
#3	.30299	.12031	.21511	.04877	.70792	.78762	.03714	.57039

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	.75492	.03426	.57212	.10560	.53751	1.1999	13.018
Stddev	.00059	.00021	.00303	.00034	.00227	.0043	.018
%RSD	.07876	.60744	.52961	.31876	.42172	.36052	.13960

#1	.75545	.03436	.56878	.10595	.53540	1.2022	13.035
#2	.75428	.03402	.57470	.10527	.53991	1.2025	13.020
#3	.75503	.03440	.57288	.10557	.53723	1.1949	12.999

Sample Name: S2 Acquired: 11/16/2019 10:57:04 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	1809.9	3913.1	39946.	7445.0	4122.6
Stddev	2.7	5.3	143.	2.7	2.8
%RSD	.15190	.13504	.35901	.03657	.06763
#1	1811.6	3907.1	39799.	7442.2	4119.3
#2	1806.7	3917.1	39954.	7447.6	4124.2
#3	1811.4	3915.1	40086.	7445.2	4124.1

Sample Name: S4 Acquired: 11/16/2019 11:04:44 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	.17132	.23930	5.0481	.26382	.48238	10.396	28.981	2.2648
Stddev	.00026	.00080	.0113	.00076	.00096	.011	.034	.0146
%RSD	.14893	.33403	.22429	.28772	.19813	.10866	.11618	.64235

#1	.17161	.23848	5.0378	.26352	.48182	10.383	29.012	2.2543
#2	.17113	.23936	5.0463	.26325	.48185	10.404	28.985	2.2814
#3	.17123	.24008	5.0602	.26468	.48349	10.402	28.945	2.2588

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.6591	16.091	2.3587	2.1719	2.5967	4.9826	8.8467	2.2629
Stddev	.0167	.006	.0043	.0047	.0027	.0110	.0104	.0038
%RSD	.21848	.03606	.18368	.21500	.10274	.22116	.11787	.16769

#1	7.6487	16.092	2.3621	2.1685	2.5977	4.9840	8.8494	2.2651
#2	7.6503	16.084	2.3538	2.1699	2.5937	4.9710	8.8353	2.2585
#3	7.6784	16.096	2.3602	2.1772	2.5987	4.9929	8.8556	2.2651

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	1.2090	.49255	.85201	.19133	2.9134	3.0290	.15869	2.2324
Stddev	.0033	.00449	.00334	.00082	.0088	.0028	.00020	.0133
%RSD	.27586	.91219	.39208	.42770	.30248	.09145	.12773	.59430

#1	1.2071	.49494	.85586	.19055	2.9182	3.0308	.15846	2.2185
#2	1.2070	.49534	.85025	.19128	2.9189	3.0304	.15878	2.2449
#3	1.2128	.48737	.84991	.19218	2.9033	3.0258	.15884	2.2339

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	3.0393	.14243	2.1695	.42818	2.1254	4.8273	52.035	
Stddev	.0073	.00008	.0141	.00138	.0052	.0157	.314	
%RSD	.24128	.05622	.64913	.32297	.24515	.32556	.60378	

#1	3.0374	.14244	2.1587	.42710	2.1194	4.8274	51.682	
#2	3.0331	.14235	2.1854	.42770	2.1284	4.8430	52.139	
#3	3.0474	.14251	2.1644	.42974	2.1284	4.8116	52.284	

Sample Name: S4 Acquired: 11/16/2019 11:04:44 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	1657.0	3604.9	38691.	7329.1	3714.8
Stddev	5.2	3.8	182.	37.0	6.8
%RSD	.31625	.10628	.47167	.50446	.18424
#1	1653.6	3606.0	38480.	7366.1	3720.7
#2	1654.3	3608.1	38802.	7329.0	3716.5
#3	1663.0	3600.6	38790.	7292.2	3707.3

Sample Name: S3 Acquired: 11/16/2019 11:00:55 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	.08470	.12143	2.5026	.13373	.23931	5.1431	14.613	1.1666
Stddev	.00025	.00038	.0022	.00016	.00061	.0152	.040	.0058
%RSD	.28990	.31382	.08786	.12164	.25554	.29612	.27660	.49996

#1	.08442	.12178	2.5034	.13361	.23906	5.1280	14.632	1.1677
#2	.08477	.12150	2.5002	.13368	.24000	5.1584	14.566	1.1603
#3	.08490	.12102	2.5043	.13392	.23886	5.1428	14.640	1.1718

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	3.8481	8.1464	1.2062	1.0845	1.3133	2.5716	4.5524	1.1444
Stddev	.0075	.0267	.0021	.0012	.0011	.0096	.0090	.0026
%RSD	.19436	.32785	.17321	.10971	.08678	.37212	.19850	.23102

#1	3.8522	8.1569	1.2085	1.0858	1.3130	2.5803	4.5620	1.1463
#2	3.8395	8.1161	1.2057	1.0836	1.3146	2.5613	4.5441	1.1414
#3	3.8526	8.1663	1.2044	1.0839	1.3124	2.5732	4.5512	1.1456

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	.60704	.24342	.43091	.09708	1.4096	1.5278	.07695	1.1375
Stddev	.00075	.00018	.00216	.00028	.0171	.0031	.00012	.0081
%RSD	.12410	.07268	.50094	.28771	1.2140	.20044	.15290	.71373

#1	.60789	.24362	.43144	.09682	1.4046	1.5253	.07693	1.1386
#2	.60646	.24333	.42854	.09737	1.4286	1.5270	.07707	1.1288
#3	.60676	.24330	.43275	.09706	1.3955	1.5312	.07684	1.1449

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	1.5157	.07035	1.1180	.21295	1.0727	2.3965	26.117
Stddev	.0013	.00017	.0085	.00027	.0043	.0056	.021
%RSD	.08590	.23641	.76369	.12850	.40273	.23491	.08025

#1	1.5171	.07019	1.1209	.21316	1.0700	2.3902	26.127
#2	1.5156	.07052	1.1084	.21304	1.0777	2.4011	26.131
#3	1.5145	.07036	1.1247	.21264	1.0705	2.3982	26.093

Sample Name: S3 Acquired: 11/16/2019 11:00:55 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	1757.0	3779.5	39401.	7334.3	3941.0
Stddev	9.4	2.8	129.	36.4	5.7
%RSD	.53758	.07393	.32702	.49602	.14350
#1	1750.9	3776.9	39320.	7317.9	3935.4
#2	1752.2	3782.4	39333.	7376.0	3946.7
#3	1767.9	3779.2	39550.	7309.0	3941.0

Sample Name: S6 Acquired: 11/16/2019 11:12:41 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	56.973	52.771	26.804	7.6023	4.9611
Stddev	.383	.455	.059	.0229	.0181
%RSD	.67301	.86262	.21881	.30172	.36545

#1	57.404	53.119	26.747	7.5759	4.9476
#2	56.847	52.255	26.864	7.6171	4.9817
#3	56.669	52.937	26.802	7.6139	4.9541

Int. Std.	Y_3710
Units	Cts/S
Avg	6990.1
Stddev	17.2
%RSD	.24615

#1	6970.3
#2	6999.7
#3	7000.4

Sample Name: S5 Acquired: 11/16/2019 11:08:38 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	.35824	.47220	10.242	.53291	1.0057	21.200	58.033	4.4848
Stddev	.00068	.00130	.005	.00037	.0006	.048	.509	.0427
%RSD	.19080	.27561	.04647	.06951	.05666	.22438	.87665	.95217

#1	.35861	.47131	10.240	.53260	1.0057	21.251	57.535	4.4410
#2	.35746	.47159	10.239	.53332	1.0051	21.192	58.013	4.4870
#3	.35866	.47369	10.247	.53281	1.0062	21.157	58.551	4.5264

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	15.287	32.139	4.6137	4.3864	5.1912	9.8202	17.484	4.5757
Stddev	.012	.071	.0047	.0074	.0198	.0168	.079	.0120
%RSD	.08076	.22197	.10285	.16918	.38169	.17152	.44985	.26271

#1	15.277	32.130	4.6173	4.3808	5.2058	9.8065	17.493	4.5728
#2	15.283	32.214	4.6083	4.3835	5.1992	9.8390	17.558	4.5889
#3	15.301	32.072	4.6154	4.3948	5.1686	9.8152	17.402	4.5654

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.4287	1.0046	1.7414	.38043	6.1856	6.1731	.33056	4.3951
Stddev	.0026	.0060	.0039	.00089	.0052	.0086	.00079	.0485
%RSD	.10660	.59991	.22461	.23313	.08445	.13901	.23915	1.1024

#1	2.4264	.99775	1.7393	.38138	6.1796	6.1823	.33012	4.3474
#2	2.4281	1.0091	1.7391	.37963	6.1889	6.1653	.33009	4.3936
#3	2.4315	1.0070	1.7460	.38027	6.1883	6.1716	.33148	4.4443

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	6.2424	.29913	4.2667	.86811	4.2346	9.9376	103.52
Stddev	.0019	.00161	.0440	.00146	.0091	.0068	1.32
%RSD	.02993	.53743	1.0302	.16830	.21383	.06834	1.2761

#1	6.2403	.29832	4.2192	.86771	4.2417	9.9452	102.69
#2	6.2438	.29809	4.2750	.86688	4.2377	9.9357	102.83
#3	6.2431	.30098	4.3060	.86972	4.2244	9.9320	105.05

Sample Name: S5 Acquired: 11/16/2019 11:08:38 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	1509.8	3316.8	37580.	7179.9	3428.7
Stddev	6.4	3.3	28.	43.0	1.9
%RSD	.42206	.09919	.07386	.59824	.05654
#1	1512.0	3318.0	37607.	7194.9	3430.9
#2	1514.7	3313.1	37580.	7213.3	3428.0
#3	1502.6	3319.4	37552.	7131.4	3427.2

Sample Name: ICV Acquired: 11/16/2019 11:17:01 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	.9675310	1.051554	.9813433	1.013434	.9967445	2.381156
Stddev	.0058641	.003880	.0039628	.004199	.0009005	.007048
%RSD	.6060916	.3689903	.4038136	.4143534	.0903412	.2960114

#1	.9634991	1.047834	.9798522	1.011788	.9958618	2.374249
#2	.9648359	1.051252	.9783424	1.010307	.9976617	2.388338
#3	.9742582	1.055577	.9858354	1.018207	.9967100	2.380881

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5050670	.5081349	.5039497	10.31522	.5355860	.4940520
Stddev	.0023669	.0051161	.0002373	.06465	.0017704	.0008591
%RSD	.4686279	1.006850	.0470950	.6267685	.3305514	.1738858

#1	.5036735	.5113275	.5042096	10.27056	.5336178	.4945856
#2	.5037277	.5108432	.5038947	10.28573	.5360918	.4930610
#3	.5077999	.5022339	.5037446	10.38935	.5370485	.4945095

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4873708	5.389120	.5074134	5.967821	.5088497	.4800553
Stddev	.0015745	.028078	.0045582	.059064	.0007283	.0022882
%RSD	.3230653	.5210218	.8983265	.9897090	.1431346	.4766603

#1	.4859774	5.384782	.5049455	5.944877	.5096780	.4814153
#2	.4870561	5.363462	.5046212	5.923671	.5083095	.4813372
#3	.4890789	5.419114	.5126734	6.034914	.5085615	.4774135

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.397274	.5208050	1.100791	9.178494	F .0102195	F .0074577
Stddev	.199495	.0100549	.005310	.098373	.0012621	.0005011
%RSD	2.122898	1.930637	.4824247	1.071775	12.35003	6.719761

#1	9.598689	.5240686	1.103331	9.284274	.0097785	.0072030
#2	9.199757	.5288226	1.104355	9.161455	.0092370	.0071351
#3	9.393375	.5095238	1.094688	9.089754	.0116429	.0080351

Sample Name: ICV Acquired: 11/16/2019 11:17:01 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0009483	F .0036312	F -.002051	F .0005039	F -.002041	F .0185604
Stddev	.0002965	.0008874	.000078	.0005429	.000679	.0030092
%RSD	31.26958	24.43811	3.793908	107.7426	33.26202	16.21310

#1	.0012763	.0026593	-.002136	.0011263	-.002744	.0219889
#2	.0006991	.0043982	-.001984	.0001283	-.001388	.0163567
#3	.0008696	.0038360	-.002034	.0002570	-.001993	.0173357

Elem	Sr4077
Units	ppm
Avg	F .0116127
Stddev	.0000850
%RSD	.7321195

#1	.0115325
#2	.0116038
#3	.0117019

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1897.251	3999.789	41171.72	7515.403	4349.459
Stddev	13.797	5.831	135.40	34.207	2.088
%RSD	.7272241	.1457793	.3288587	.4551525	.0480034

#1	1886.993	4006.453	41276.73	7497.647	4347.048
#2	1891.823	3995.626	41018.90	7493.725	4350.655
#3	1912.937	3997.288	41219.52	7554.836	4350.674

Sample Name: ICB Acquired: 11/16/2019 11:20:59 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	.0010531	.0016275	.0016506	.0033630	-.002585	.0070556	.0003591
Stddev	.0036092	.0015562	.0007041	.0019674	.000934	.0029415	.0004469
%RSD	342.7330	95.61514	42.65738	58.50032	36.14312	41.68979	124.4411

#1	-.002598	.0034241	.0008716	.0027395	-.003625	.0063824	-.000092
#2	.004619	.0006973	.0022416	.0055667	-.001815	.0045091	.000367
#3	.001138	.0007613	.0018388	.0017830	-.002316	.0102754	.000802

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000008	.0000737	.0029280	.0001044	-.000202	.0010946	.0072086
Stddev	.000077	.0000239	.0012312	.0003710	.000210	.0016189	.0077588
%RSD	941.9785	32.37169	42.04768	355.3035	103.8825	147.8955	107.6317

#1	.000000	.0000623	.0031967	-.000322	-.000380	-.000551	-.000951
#2	.000064	.0001011	.0040027	.000352	-.000256	.002686	.008084
#3	-.000089	.0000576	.0015847	.000283	.000029	.001149	.014492

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005746	-.025175	-.000250	.0002893	.0083276	-.003068	.0012363
Stddev	.0000691	.028871	.000486	.0001689	.1707997	.003499	.0014900
%RSD	12.02403	114.6812	194.1199	58.39777	2051.016	114.0529	120.5144

#1	.0005728	-.053439	-.000062	.0000988	-.180295	.000221	.0022463
#2	.0006445	-.026354	.000114	.0003482	.152525	-.006746	-.000475
#3	.0005064	.004267	-.000802	.0004209	.052753	-.002679	.001938

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.086825	-.002262	.0030167	.0001339	-.003485	-.007395	-.000662
Stddev	.094256	.000737	.0004766	.0001366	.001862	.000466	.000749
%RSD	108.5587	32.57865	15.79848	102.0304	53.43567	6.302714	113.0523

#1	.022000	-.002112	.0024735	.0002729	-.001702	-.006884	-.001496
#2	-.139782	-.003062	.0033644	.0001287	-.003335	-.007507	-.000045
#3	-.142692	-.001612	.0032124	-.000000	-.005418	-.007796	-.000446

Sample Name: ICB Acquired: 11/16/2019 11:20:59 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	-.001244	.0077416	.0000311
Stddev	.001174	.0022106	.0000311
%RSD	94.35896	28.55435	100.2191

#1	-.001265	.0099612	-.000003
#2	-.002408	.0055402	.000058
#3	-.000060	.0077234	.000038

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1899.958	3972.822	41160.91	7447.325	4327.066
Stddev	5.929	12.622	218.91	20.978	7.346
%RSD	.3120778	.3177186	.5318459	.2816857	.1697598

#1	1906.197	3980.284	41411.39	7455.692	4320.416
#2	1894.397	3958.248	41006.22	7462.829	4325.833
#3	1899.280	3979.933	41065.11	7423.455	4334.951

Sample Name: ICSAB Acquired: 11/16/2019 11:29:13 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0952750	.1086803	.0451755	.0532041	.5929421	235.1450
Stddev	.0027268	.0013296	.0021109	.0040298	.0020651	.4136
%RSD	2.862067	1.223389	4.672675	7.574227	.3482771	.1758974

#1	.0921432	.1099842	.0474844	.0498119	.5952668	235.6172
#2	.0965586	.1073264	.0446977	.0521419	.5913202	234.8468
#3	.0971231	.1087304	.0433445	.0576587	.5922392	234.9710

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5080280	.5031282	1.004094	242.8043	.5676709	.4936406
Stddev	.0011868	.0028914	.001427	.7034	.0015282	.0011520
%RSD	.2336181	.5746910	.1420782	.2897127	.2691996	.2333658

#1	.5087206	.5006375	1.004699	242.2526	.5662348	.4935448
#2	.5066575	.5024479	1.002465	242.5639	.5675010	.4925394
#3	.5087057	.5062990	1.005119	243.5964	.5692769	.4948375

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4687178	98.16256	.5012467	247.3429	.9898840	.1917955
Stddev	.0025966	.51617	.0036745	1.7469	.0020782	.0003441
%RSD	.5539834	.5258282	.7330772	.7062517	.2099440	.1793980

#1	.4676378	97.71530	.4985933	245.9021	.9883518	.1913984
#2	.4668354	98.04502	.4997059	246.8409	.9890507	.1919831
#3	.4716801	98.72736	.5054407	249.2858	.9922495	.1920050

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.509765	.5155625	1.120852	-1.00272	F .0129303	-.020470
Stddev	.156245	.0015692	.015478	.03368	.0007750	.001380
%RSD	30.65032	.3043608	1.380948	3.358500	5.993392	6.741070

#1	-.579633	.5139283	1.138032	-1.04152	.0120484	-.019086
#2	-.618884	.5157019	1.116530	-.98544	.0132400	-.020478
#3	-.330778	.5170573	1.107994	-.98118	.0135026	-.021846

Sample Name: ICSAB Acquired: 11/16/2019 11:29:13 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000546	-.004644	-.008767	-.004430	-.003465	.0017675
Stddev	.000357	.001513	.000228	.001976	.000520	.0028109
%RSD	65.42813	32.58323	2.603466	44.59387	14.99920	159.0343

#1	-.000182	-.006382	-.008549	-.002269	-.003481	-.000749
#2	-.000896	-.003931	-.008746	-.006144	-.003977	.001251
#3	-.000562	-.003620	-.009004	-.004877	-.002938	.004801

Elem	Sr4077
Units	ppm
Avg	.0997152
Stddev	.0000260
%RSD	.0260877

#1	.0997440
#2	.0997078
#3	.0996936

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1811.038	3753.129	39741.54	7436.950	3869.125
Stddev	16.587	9.702	170.45	22.646	11.935
%RSD	.9159027	.2584994	.4288902	.3045073	.3084717

#1	1811.086	3751.308	39722.91	7463.097	3865.779
#2	1794.426	3763.612	39581.18	7424.174	3882.375
#3	1827.601	3744.467	39920.54	7423.579	3859.219

Sample Name: ICSA Acquired: 11/16/2019 11:25:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	.0024881	.0013125	-.002396	.0087241	-.002194	244.6491
Stddev	.0025196	.0017446	.002109	.0018563	.001981	.6741
%RSD	101.2656	132.9176	88.01877	21.27793	90.25520	.2755542

#1	.0014936	-.000691	-.003501	.0068763	.000085	244.2690
#2	.0006176	.002500	.000036	.0087073	-.003176	245.4274
#3	.0053532	.002128	-.003723	.0105889	-.003492	244.2508

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061771	.0013150	-.000095	254.6123	.0516858	.0007545
Stddev	.0002840	.0000525	.000126	.8485	.0004288	.0003402
%RSD	4.598124	3.989116	133.1779	.3332411	.8295624	45.09817

#1	.0058995	.0012604	.000012	253.9752	.0517952	.0006249
#2	.0064672	.0013650	-.000234	254.2862	.0512129	.0011404
#3	.0061647	.0013197	-.000063	255.5754	.0520492	.0004980

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000390	102.8921	.0119970	260.4195	.0011281	-.007916
Stddev	.002571	.4070	.0004821	.8627	.0007831	.000510
%RSD	660.1527	.3955185	4.018333	.3312751	69.41404	6.442859

#1	-.000113	102.4898	.0123126	259.4396	.0015428	-.007821
#2	.002032	102.8828	.0114421	260.7543	.0002249	-.008467
#3	-.003088	103.3036	.0122364	261.0646	.0016166	-.007460

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.345524	-.001208	.0050731	-.645947	.0087881	-.019843
Stddev	.268419	.002998	.0051019	.067075	.0020860	.002140
%RSD	77.68459	248.1741	100.5664	10.38397	23.73620	10.78700

#1	-.059439	-.004381	.0103872	-.630484	.0097584	-.021536
#2	-.385292	-.000820	.0002140	-.719403	.0102123	-.020555
#3	-.591840	.001577	.0046182	-.587954	.0063938	-.017437

Sample Name: ICSA Acquired: 11/16/2019 11:25:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) 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	-.000237	-.012306	-.008933	-.003424	-.001776	.0084798
Stddev	.000458	.008633	.000307	.001071	.000964	.0010300
%RSD	193.6907	70.15581	3.440890	31.26752	54.25647	12.14640

#1	-.000746	-.002821	-.008826	-.004397	-.001644	.0075137
#2	-.000105	-.019705	-.009280	-.003597	-.002799	.0083623
#3	.000142	-.014391	-.008693	-.002277	-.000885	.0095636

Elem	Sr4077
Units	ppm
Avg	F .1040585
Stddev	.0001072
%RSD	.1029794

#1	.1039364
#2	.1041023
#3	.1041368

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1797.120	3750.248	39461.00	7418.787	3844.284
Stddev	10.299	2.796	224.51	40.343	2.846
%RSD	.5730574	.0745595	.5689442	.5437926	.0740425

#1	1804.620	3747.880	39530.46	7432.798	3845.237
#2	1785.378	3753.333	39209.96	7373.307	3846.532
#3	1801.361	3749.531	39642.57	7450.257	3841.084

Sample Name: CCV066 Acquired: 11/16/2019 11:33:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV066 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.908608	4.950069	24.87727	4.910453	4.948956	403.4799	9.983173
Stddev	.027873	.017569	.02881	.029109	.006569	3.1442	.041461
%RSD	.5678332	.3549183	.1157931	.5928065	.1327444	.7792745	.4153044

#1	4.913682	4.931471	24.84676	4.896655	4.944942	405.9879	10.01966
#2	4.878546	4.952351	24.88104	4.890807	4.945389	399.9525	9.93808
#3	4.933595	4.966385	24.90400	4.943895	4.956538	404.4994	9.99178

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4893560	2.501020	399.4570	15.38264	2.509705	15.08843	401.2257
Stddev	.0026882	.005902	1.9280	.04648	.002262	.03978	2.6361
%RSD	.5493296	.2359931	.4826596	.3021672	.0901407	.2636285	.6570131

#1	.4924599	2.494207	401.2197	15.32951	2.507125	15.04931	404.1012
#2	.4878289	2.504601	397.3980	15.40262	2.510644	15.12884	398.9233
#3	.4877791	2.504250	399.7532	15.41580	2.511347	15.08715	400.6526

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.64861	393.9507	2.511750	1.228150	389.9924	2.523467	14.86152
Stddev	.06324	1.9668	.002006	.001527	2.9021	.017883	.08044
%RSD	.4317371	.4992602	.0798787	.1243243	.7441550	.7086643	.5412619

#1	14.72014	395.9399	2.509555	1.228137	392.8593	2.502989	14.77706
#2	14.60011	392.0070	2.513489	1.226629	387.0562	2.536004	14.93722
#3	14.62556	393.9051	2.512207	1.229683	390.0617	2.531408	14.87027

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	152.2913	5.032471	4.831501	4.967013	5.103435	4.818343	5.043710
Stddev	.6108	.005715	.034268	.020747	.015213	.031922	.012158
%RSD	.4010575	.1135566	.7092699	.4176866	.2980928	.6625175	.2410499

#1	151.6453	5.027345	4.870857	4.954389	5.085870	4.855174	5.035857
#2	152.3690	5.031435	4.808264	4.955694	5.112358	4.798657	5.037557
#3	152.8594	5.038633	4.815383	4.990958	5.112079	4.801197	5.057714

Sample Name: CCV066 Acquired: 11/16/2019 11:33:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV066 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.056112	5.124748	5.008279
Stddev	.025026	.014356	.005374
%RSD	.4949640	.2801316	.1073122

#1	5.029258	5.116242	5.013878
#2	5.078783	5.116679	5.007799
#3	5.060294	5.141323	5.003161

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1640.269	3448.614	38259.35	7288.825	3481.596
Stddev	4.547	8.911	129.69	34.226	.996
%RSD	.2772250	.2583966	.3389861	.4695673	.0286148

#1	1635.019	3448.565	38391.64	7257.507	3481.672
#2	1642.821	3457.549	38253.99	7325.360	3480.564
#3	1642.967	3439.727	38132.42	7283.609	3482.552

Sample Name: CCB066 Acquired: 11/16/2019 11:37:13 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB066 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010330	-.001473	.0026397	.0017395	-.001275	.0118054	.0000016
Stddev	.0025991	.001460	.0008345	.0009428	.000674	.0143336	.0004710
%RSD	251.6110	99.10934	31.61121	54.19752	52.86298	121.4161	28903.90

#1	-.000344	-.001879	.0033526	.0006947	-.001249	.0227135	.0005146
#2	-.000588	.000147	.0017219	.0025265	-.001961	.0171315	-.000411
#3	.004031	-.002688	.0028448	.0019973	-.000614	-.004429	-.000098

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000054	.0000154	.0191774	.0004050	-.000053	.0002253	.0156789
Stddev	.000018	.0000690	.0038863	.0002758	.000106	.0025971	.0096212
%RSD	33.63521	448.3931	20.26528	68.08252	201.0097	1152.757	61.36395

#1	-.000074	.0000902	.0146899	.0007047	-.000054	.0025722	.0266690
#2	-.000050	-.000046	.0214375	.0001619	-.000158	.0006687	.0087766
#3	-.000038	.000002	.0214048	.0003485	.000054	-.002565	.0115912

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004912	-.019879	-.000119	.0008018	-.137447	-.003733	.0013101
Stddev	.0001968	.020838	.000213	.0000791	.029153	.000759	.0007880
%RSD	40.06738	104.8225	179.2059	9.860275	21.21010	20.34211	60.14469

#1	.0007182	-.012076	-.000143	.0007117	-.170310	-.003500	.0021767
#2	.0003864	-.004069	-.000319	.0008597	-.127334	-.003118	.0011171
#3	.0003689	-.043493	.000105	.0008340	-.114698	-.004582	.0006366

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.038310	-.001640	.0092811	.0006123	-.008488	-.007922	-.000567
Stddev	.061046	.000608	.0000766	.0003140	.000675	.001449	.000807
%RSD	159.3469	37.10832	.8254998	51.28074	7.948694	18.29195	142.4939

#1	.030514	-.001296	.0091927	.0006903	-.007971	-.007020	-.001464
#2	-.085915	-.001281	.0093229	.0008800	-.009251	-.009593	.000099
#3	-.059529	-.002342	.0093277	.0002667	-.008242	-.007152	-.000334

Sample Name: CCB066 Acquired: 11/16/2019 11:37:13 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: CCB066 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000713	.0090898	.0001281
Stddev	.001136	.0016947	.0000581
%RSD	159.2644	18.64387	45.31976

#1	-.001301	.0107256	.0001698
#2	.000596	.0073418	.0001526
#3	-.001434	.0092020	.0000618

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1907.842	3952.303	41335.15	7470.771	4316.452
Stddev	12.099	4.736	60.36	14.943	4.849
%RSD	.6341817	.1198201	.1460211	.2000247	.1123488

#1	1920.784	3950.408	41404.60	7485.738	4311.200
#2	1896.813	3948.808	41295.41	7455.852	4320.761
#3	1905.929	3957.693	41305.43	7470.724	4317.394

Sample Name: K5849-01A Acquired: 11/16/2019 11:49:27 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MC0AA1A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0566233	.0052789	1.030592	-.001546	.0032702	30.74691	.6142228
Stddev	.0047840	.0009727	.003443	.003089	.0016113	.01935	.0002441
%RSD	8.448868	18.42655	.3340906	199.8317	49.27417	.0629205	.0397444

#1	.0604872	.0055753	1.028162	-.004723	.0051307	30.75262	.6142277
#2	.0512724	.0041925	1.029082	-.001360	.0023572	30.72535	.6139762
#3	.0581105	.0060690	1.034532	.001446	.0023226	30.76276	.6144644

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0098702	.0042774	255.6840	.1320420	.0892981	2.553184	262.9383
Stddev	.0001232	.0000878	.3132	.0014970	.0006339	.004847	.6056
%RSD	1.247789	2.053484	.1224977	1.133697	.7098385	.1898284	.2303145

#1	.0099793	.0041813	256.0241	.1320738	.0896725	2.552142	263.6261
#2	.0097367	.0043535	255.6203	.1305293	.0885663	2.548943	262.7032
#3	.0098945	.0042974	255.4075	.1335227	.0896556	2.558467	262.4855

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.760043	23.87409	.2043950	-.018612	.3812664	.0886394	1.654370
Stddev	.013226	.07324	.0011580	.000646	.1787362	.0062005	.017030
%RSD	.3517564	.3067877	.5665571	3.469200	46.87962	6.995241	1.029373

#1	3.773941	23.95249	.2045611	-.019312	.1888035	.0945131	1.670683
#2	3.758575	23.86236	.2054610	-.018484	.5420360	.0821569	1.636704
#3	3.747611	23.80742	.2031629	-.018040	.4129596	.0892480	1.655724

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.650779	5.282488	-.042225	.0082839	5.810705	.9867998	.0271740
Stddev	.068006	.022038	.004249	.0002995	.010897	.0066870	.0012081
%RSD	2.565515	.4171910	10.06338	3.615510	.1875391	.6776469	4.445852

#1	2.572822	5.293849	-.043511	.0082243	5.801303	.9934913	.0285685
#2	2.697937	5.296526	-.037481	.0080187	5.822648	.9801172	.0265093
#3	2.681578	5.257087	-.045682	.0086087	5.808162	.9867908	.0264442

Sample Name: K5849-01A Acquired: 11/16/2019 11:49:27 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MC0AA1A Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1308761	.0403254	.3981822
Stddev	.0009247	.0004394	.0005478
%RSD	.7065594	1.089726	.1375735

#1	.1310431	.0407491	.3983198
#2	.1298793	.0403554	.3975787
#3	.1317060	.0398718	.3986481

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1951.542	4066.069	43257.17	8020.031	4076.484
Stddev	9.701	9.325	27.67	5.667	2.816
%RSD	.4971037	.2293492	.0639764	.0706552	.0690689

#1	1941.004	4076.799	43258.66	8025.829	4079.651
#2	1960.100	4061.485	43228.78	8014.505	4075.538
#3	1953.523	4059.923	43284.07	8019.760	4074.264

Sample Name: K5844-13DLX2 Acquired: 11/16/2019 11:41:22 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MJLP59 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0641880	.0034578	.7346068	.0055226	.0049163	32.44454
Stddev	.0057075	.0007444	.0042414	.0062937	.0012954	.12723
%RSD	8.891866	21.52807	.5773667	113.9633	26.34954	.3921560

#1	.0601211	.0033627	.7350121	.0127624	.0050051	32.36047
#2	.0617302	.0027655	.7301773	.0024500	.0035788	32.59092
#3	.0707126	.0042452	.7386310	.0013554	.0061651	32.38223

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5959621	.0025654	.0145399	F 888.7434	.1010723	.0416808
Stddev	.0016845	.0000428	.0000392	8.5366	.0008096	.0006083
%RSD	.2826445	1.668848	.2694042	.9605214	.8010363	1.459321

#1	.5972073	.0025383	.0145586	892.6366	.1004951	.0423805
#2	.5966335	.0026147	.0145661	878.9543	.1019977	.0412774
#3	.5940455	.0025431	.0144949	894.6394	.1007240	.0413847

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3092478	85.55723	1.597615	54.78358	.1219486	-.004260
Stddev	.0025368	.26311	.001262	.19015	.0005939	.000129
%RSD	.8203082	.3075309	.0789935	.3471003	.4870088	3.032160

#1	.3119581	85.62115	1.599053	54.85609	.1226245	-.004383
#2	.3088550	85.26805	1.596690	54.56784	.1215103	-.004125
#3	.3069304	85.78250	1.597103	54.92681	.1217110	-.004272

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1134344	.1228387	1.297568	5.659968	7.363072	-.000181
Stddev	.1173774	.0004064	.014619	.073626	.025175	.002037
%RSD	103.4760	.3308143	1.126622	1.300818	.3419023	1124.475

#1	.2401829	.1230715	1.296850	5.576712	7.385250	.002163
#2	.0084842	.1223695	1.312532	5.686694	7.335709	-.001185
#3	.0916361	.1230752	1.283321	5.716499	7.368258	-.001521

Sample Name: K5844-13DLX2 Acquired: 11/16/2019 11:41:22 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MJLP59 Custom ID2: Custom ID3:
 Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083132	3.428980	2.132347	.0089331	1.908135	.0585708
Stddev	.0001644	.011302	.006271	.0020203	.012067	.0013752
%RSD	1.977719	.3296060	.2940886	22.61555	.6324199	2.347981

#1	.0084402	3.424924	2.126562	.0105472	1.901025	.0600917
#2	.0081275	3.420265	2.131468	.0066674	1.922068	.0582060
#3	.0083719	3.441750	2.139012	.0095845	1.901311	.0574148

Elem	Sr4077
Units	ppm
Avg	.4994450
Stddev	.0005215
%RSD	.1044244

#1	.4988560
#2	.4998484
#3	.4996305

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1817.163	3805.578	40439.53	7641.831	3773.014
Stddev	8.178	5.047	208.65	23.477	8.141
%RSD	.4500496	.1326151	.5159562	.3072177	.2157691

#1	1820.539	3801.466	40401.34	7668.904	3764.299
#2	1807.838	3811.211	40252.61	7627.094	3780.424
#3	1823.113	3804.058	40664.64	7629.493	3774.318

Sample Name: CCV067 Acquired: 11/16/2019 11:53:25 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV067 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.922119	4.948734	24.81088	4.926813	4.964046	399.5091	9.921721
Stddev	.007044	.011959	.06182	.008308	.018770	1.8799	.041600
%RSD	.1431152	.2416477	.2491518	.1686283	.3781266	.4705429	.4192842

#1	4.929059	4.962459	24.76666	4.918806	4.984156	399.0043	9.891507
#2	4.922322	4.940562	24.78446	4.926241	4.946989	397.9332	9.969168
#3	4.914975	4.943180	24.88151	4.935392	4.960995	401.5899	9.904487

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4796354	2.491610	396.2134	15.30593	2.501776	15.01082	398.0667
Stddev	.0013690	.004730	1.4528	.02769	.004926	.04211	2.6024
%RSD	.2854282	.1898223	.3666821	.1808961	.1968841	.2805339	.6537665

#1	.4782757	2.489209	395.0598	15.27459	2.497126	14.96916	396.9933
#2	.4796169	2.488563	397.8450	15.31612	2.501264	15.00992	401.0341
#3	.4810136	2.497058	395.7354	15.32708	2.506937	15.05337	396.1727

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.53161	389.4471	2.505810	1.216073	387.0204	2.526980	14.91834
Stddev	.08329	2.4535	.003278	.005690	1.1891	.003997	.08927
%RSD	.5731443	.6299955	.1308341	.4679115	.3072394	.1581917	.5983631

#1	14.49318	388.0157	2.502287	1.221669	385.7940	2.531179	14.95349
#2	14.62718	392.2801	2.506372	1.210293	388.1683	2.526540	14.81685
#3	14.47448	388.0455	2.508771	1.216255	387.0990	2.523220	14.98468

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	151.4047	5.040850	4.753317	4.972437	5.101934	4.735097	5.022933
Stddev	.4054	.005586	.000548	.011066	.032101	.021583	.012755
%RSD	.2677367	.1108231	.0115246	.2225447	.6291933	.4558057	.2539410

#1	150.9636	5.040832	4.753233	4.976986	5.133390	4.721919	5.017259
#2	151.4897	5.035273	4.753903	4.959821	5.069225	4.723368	5.013999
#3	151.7608	5.046446	4.752817	4.980503	5.103189	4.760005	5.037541

Sample Name: CCV067 Acquired: 11/16/2019 11:53:25 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV067 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.044167	5.102967	4.998854
Stddev	.017461	.023183	.042040
%RSD	.3461644	.4543044	.8409847

#1	5.030746	5.079705	5.015286
#2	5.037847	5.103126	5.030197
#3	5.063908	5.126070	4.951081

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1637.233	3422.011	38237.41	7344.078	3464.826
Stddev	7.822	4.658	41.42	13.494	1.148
%RSD	.4777650	.1361311	.1083334	.1837333	.0331398

#1	1628.412	3416.947	38217.30	7359.658	3466.033
#2	1643.325	3426.113	38285.05	7336.236	3463.747
#3	1639.962	3422.974	38209.88	7336.338	3464.697

Sample Name: CCB067 Acquired: 11/16/2019 11:57:29 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB067 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002712	-.001175	.0045328	.0027248	.0004443	.0169630	.0003986
Stddev	.0008384	.002178	.0005779	.0005529	.0014717	.0072926	.0010899
%RSD	309.0904	185.3555	12.74828	20.28958	331.2757	42.99092	273.4290

#1	-.000289	-.001600	.0044611	.0021846	.0017120	.0143660	.0007656
#2	-.000133	.001184	.0051432	.0032895	-.001170	.0113245	-.000827
#3	.001235	-.003110	.0039942	.0027004	.000791	.0251986	.001258

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000070	.0000438	.0245126	.0006186	.0000474	.0021562	.0105617
Stddev	.000043	.0000705	.0100680	.0001972	.0003464	.0005578	.0110967
%RSD	61.52962	161.1023	41.07269	31.87995	731.4507	25.87076	105.0655

#1	-.000120	-.000014	.0253835	.0004973	.0002105	.0024919	.0205093
#2	-.000041	.000023	.0140374	.0005124	.0002821	.0024645	.0125823
#3	-.000049	.000122	.0341168	.0008462	-.000350	.0015123	-.001406

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008855	-.001968	.0001250	.0005207	-.184555	-.001733	-.000161
Stddev	.0001810	.022804	.0002801	.0002784	.282293	.002391	.001856
%RSD	20.43420	1158.904	224.0496	53.45723	152.9591	137.9719	1152.794

#1	.0008781	-.025595	.0004484	.0008362	.140741	.000982	-.002304
#2	.0010701	-.000218	-.000039	.0004160	-.365274	-.003525	.000949
#3	.0007084	.019911	-.000035	.0003099	-.329131	-.002656	.000872

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.142649	-.000751	.0079547	.0001963	-.004202	-.007487	-.000526
Stddev	.035953	.002957	.0001402	.0000835	.002015	.001312	.001118
%RSD	25.20391	394.0040	1.762394	42.52152	47.95969	17.51948	212.6754

#1	-.101639	.002625	.0077967	.0002911	-.002241	-.006331	.000728
#2	-.168744	-.002888	.0080642	.0001337	-.006267	-.007216	-.001421
#3	-.157565	-.001989	.0080034	.0001641	-.004099	-.008912	-.000884

Sample Name: CCB067 Acquired: 11/16/2019 11:57:29 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: CCB067 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0005165	.0083360	.0001460
Stddev	.0002966	.0016573	.0000934
%RSD	57.41273	19.88118	63.94557

#1	.0008192	.0064288	.0002458
#2	.0005039	.0091533	.0001312
#3	.0002265	.0094260	.0000609

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1910.059	3935.666	41549.36	7493.424	4307.440
Stddev	11.376	6.364	404.83	15.338	.349
%RSD	.5955849	.1616998	.9743295	.2046833	.0080920

#1	1897.137	3928.318	41094.62	7503.271	4307.288
#2	1914.474	3939.226	41682.94	7501.249	4307.839
#3	1918.565	3939.452	41870.51	7475.752	4307.194

Sample Name: K5844-13DL2X4 Acquired: 11/16/2019 13:30:43 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MJLP59 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0363075	.0000074	.3709611	.0022835	.0013567	16.76766	.3049267
Stddev	.0040064	.0027104	.0008887	.0024536	.0026774	.06351	.0019211
%RSD	11.03472	36742.44	.2395779	107.4487	197.3508	.3787495	.6300323

#1	.0394256	.0019961	.3719221	-.000077	.0016683	16.73372	.3027377
#2	.0377080	.0011059	.3701687	.002107	.0038646	16.84093	.3057096
#3	.0317888	-.003080	.3707926	.004821	-.001463	16.72833	.3063327

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013712	.0074478	460.9182	.0532131	.0203785	.1601826	44.87018
Stddev	.0000727	.0000873	1.8742	.0008775	.0001022	.0016184	.21098
%RSD	5.302538	1.172382	.4066154	1.648969	.5017031	1.010348	.4701950

#1	.0014217	.0075167	458.8124	.0540095	.0203436	.1584309	44.68077
#2	.0012879	.0073496	461.5389	.0522725	.0204937	.1616222	44.83219
#3	.0014041	.0074771	462.4033	.0533575	.0202984	.1604947	45.09757

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8248638	28.16691	.0605122	-.001627	-.267298	.0607542	.6636392
Stddev	.0016839	.21249	.0001810	.000068	.180694	.0034718	.0055888
%RSD	.2041457	.7543922	.2990743	4.190762	67.60050	5.714435	.8421365

#1	.8230165	27.94409	.0603142	-.001700	-.169523	.0620335	.6699180
#2	.8263130	28.18935	.0605532	-.001615	-.156558	.0568244	.6592088
#3	.8252618	28.36729	.0606691	-.001566	-.475811	.0634048	.6617908

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.766231	3.657488	-.007445	.0040386	1.687833	1.057980	.0015911
Stddev	.022608	.024916	.001203	.0003295	.010156	.012553	.0003800
%RSD	.8172788	.6812285	16.16451	8.159196	.6017386	1.186500	23.88251

#1	2.786010	3.631532	-.007095	.0041754	1.680413	1.053208	.0011524
#2	2.741586	3.659717	-.006455	.0042777	1.683677	1.048512	.0018177
#3	2.771097	3.681214	-.008785	.0036627	1.699408	1.072219	.0018032

Sample Name: K5844-13DL2X4 Acquired: 11/16/2019 13:30:43 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MJLP59 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.9926816	.0335908	.2609077
Stddev	.0045933	.0015117	.0006394
%RSD	.4627149	4.500343	.2450751

#1	.9904758	.0320848	.2607170
#2	.9979618	.0351081	.2616208
#3	.9896074	.0335795	.2603854

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1812.655	3763.186	40331.22	7484.679	3941.459
Stddev	5.982	11.109	51.19	35.986	13.076
%RSD	.3300233	.2951897	.1269129	.4807966	.3317518

#1	1809.723	3759.644	40276.44	7524.140	3951.268
#2	1819.537	3775.634	40339.41	7453.673	3946.495
#3	1808.704	3754.281	40377.82	7476.225	3926.614

Sample Name: CCV068 Acquired: 11/16/2019 13:34:45 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV068 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.939898	4.978829	24.81199	5.025171	5.029007	403.5757	10.00639
Stddev	.035157	.005982	.02593	.001859	.009267	2.4819	.02108
%RSD	.7117041	.1201525	.1044928	.0369955	.1842693	.6149668	.2106903

#1	4.968963	4.975072	24.79860	5.023492	5.026491	401.6880	9.99034
#2	4.900820	4.985728	24.84187	5.027169	5.021258	402.6522	9.99857
#3	4.949910	4.975688	24.79549	5.024852	5.039272	406.3869	10.03027

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4871772	2.501384	397.9697	15.26030	2.504757	14.87345	402.9405
Stddev	.0056681	.002493	.5579	.02607	.002716	.01962	.6141
%RSD	1.163463	.0996506	.1401911	.1708364	.1084279	.1318839	.1524032

#1	.4806477	2.501003	397.7380	15.29030	2.501622	14.87913	403.3831
#2	.4908320	2.504046	397.5650	15.24315	2.506251	14.85162	402.2394
#3	.4900519	2.499105	398.6062	15.24745	2.506398	14.88960	403.1989

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.47152	390.4856	2.513694	1.220117	392.6945	2.530575	14.78366
Stddev	.04308	.8257	.002899	.007652	.9489	.014764	.15480
%RSD	.2977149	.2114438	.1153301	.6271683	.2416483	.5834335	1.047125

#1	14.50974	391.3375	2.511350	1.211635	391.9259	2.513627	14.62677
#2	14.42483	389.6889	2.516936	1.226503	392.4026	2.540647	14.78793
#3	14.48000	390.4305	2.512797	1.222213	393.7551	2.537451	14.93629

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	150.4638	5.098263	4.829043	5.040899	5.173879	4.789434	5.026924
Stddev	.2710	.028308	.038948	.010778	.016189	.060499	.004578
%RSD	.1801177	.5552387	.8065276	.2138109	.3129084	1.263174	.0910667

#1	150.1593	5.074080	4.784161	5.040312	5.166726	4.719728	5.021976
#2	150.5535	5.129399	4.849014	5.030426	5.192413	4.828271	5.027788
#3	150.6786	5.091310	4.853954	5.051958	5.162498	4.820304	5.031009

Sample Name: CCV068 Acquired: 11/16/2019 13:34:45 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: CCV068 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.031796	5.167986	5.075570
Stddev	.020907	.019537	.020766
%RSD	.4155034	.3780451	.4091332

#1	5.015664	5.146076	5.072525
#2	5.055417	5.174285	5.097690
#3	5.024309	5.183596	5.056495

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1625.441	3385.555	38259.51	7258.043	3448.483
Stddev	14.272	4.769	44.34	20.469	5.961
%RSD	.8780374	.1408504	.1158959	.2820160	.1728567

#1	1641.879	3380.819	38250.53	7277.476	3449.056
#2	1618.235	3390.356	38220.35	7236.675	3442.256
#3	1616.208	3385.491	38307.65	7259.977	3454.137

Sample Name: CCB068 Acquired: 11/16/2019 13:38:46 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB068 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000449	.0004667	.0039974	.0015674	-.002583	.0037405	-.000284
Stddev	.002314	.0001984	.0004866	.0023732	.001228	.0026256	.000201
%RSD	514.8298	42.52218	12.17228	151.4072	47.54096	70.19239	70.93484

#1	.001222	.0006733	.0045484	.0041343	-.003759	.0066382	-.000278
#2	.000520	.0002777	.0038170	-.000547	-.001309	.0015196	-.000488
#3	-.003090	.0004490	.0036269	.001115	-.002680	.0030638	-.000085

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000980	.0000506	.0112341	-.000083	.0001365	.0032554	.0106637
Stddev	.0000628	.0000372	.0072924	.000664	.0002271	.0017890	.0121939
%RSD	64.10126	73.48554	64.91336	800.8495	166.3922	54.95638	114.3505

#1	.0000280	.0000271	.0181239	.000269	.0000743	.0044617	.0235596
#2	.0001495	.0000312	.0119817	-.000848	-.000053	.0011999	-.000679
#3	.0001166	.0000934	.0035967	.000330	.000388	.0041045	.009111

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007704	-.034222	.0000262	.0008668	-.318037	-.001085	.0011455
Stddev	.0003189	.012399	.0004582	.0004315	.164369	.002716	.0009799
%RSD	41.39513	36.23044	1749.294	49.78141	51.68240	250.3987	85.54221

#1	.0009652	-.044258	-.000381	.0008018	-.128273	.000982	.0000277
#2	.0004024	-.020362	.000523	.0004714	-.409841	-.000075	.0018564
#3	.0009437	-.038048	-.000063	.0013270	-.415996	-.004162	.0015525

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.132489	-.003401	.0069739	.0003693	-.006128	-.007893	.0001247
Stddev	.033284	.003314	.0007863	.0002315	.002801	.000523	.0011361
%RSD	25.12194	97.44282	11.27461	62.68442	45.71848	6.627536	911.1547

#1	-.170640	-.001611	.0069784	.0005359	-.003643	-.007324	.0004120
#2	-.117440	-.007225	.0077579	.0001050	-.009164	-.008354	.0010896
#3	-.109388	-.001367	.0061853	.0004672	-.005577	-.008001	-.001128

Sample Name: CCB068 Acquired: 11/16/2019 13:38:46 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v1014) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: CCB068 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.000056	.0078290	.0000363
Stddev	.001063	.0001438	.0000855
%RSD	1887.412	1.836950	235.2945

#1	-.000312	.0079950	.0001109
#2	.001111	.0077431	.0000550
#3	-.000968	.0077488	-.000057

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1884.873	3900.019	41090.74	7517.680	4287.575
Stddev	10.272	9.461	164.56	2.767	3.295
%RSD	.5449622	.2425966	.4004715	.0368042	.0768616

#1	1879.620	3901.214	41082.82	7520.783	4284.288
#2	1896.709	3908.826	41259.12	7516.786	4287.557
#3	1878.290	3890.017	40930.29	7515.471	4290.879