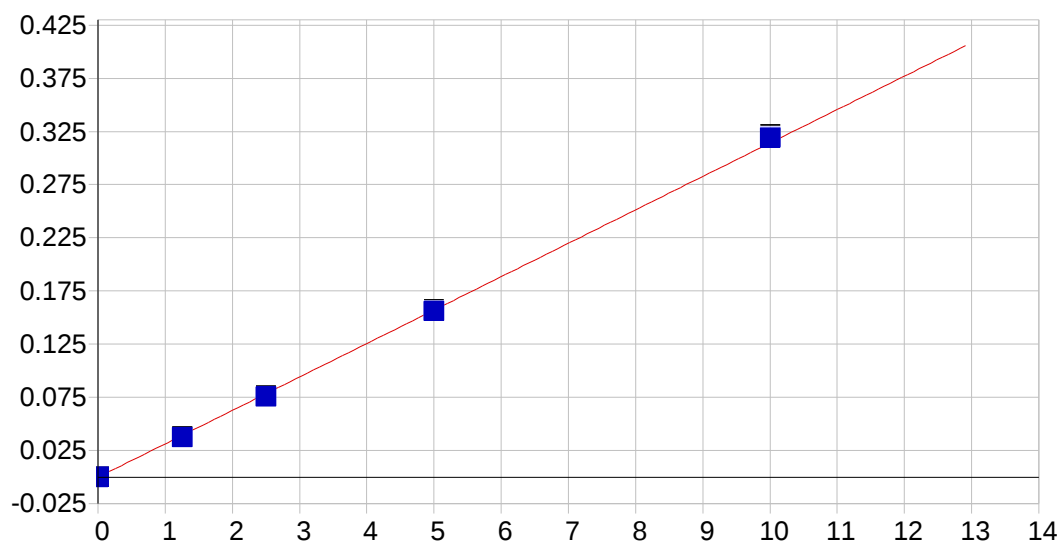




As 189.042 {479}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000181

Re-Slope: 1.000000

A1 (Gain): 0.031435

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999799

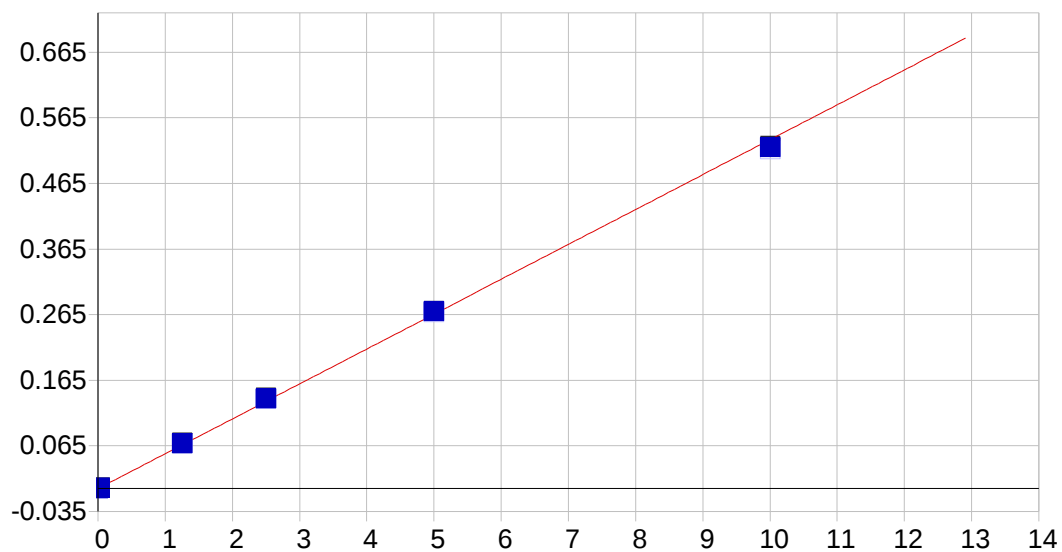
Status: OK.

Std Error of Est: 0.000011

Predicted MDL: 0.004373

Predicted MQL: 0.014577

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00018	.000	1
S1	.01000	.01023	.000	2.35	.00014	.000	1
S2	1.2500	1.2006	-.049	-3.95	.03765	.000	1
S3	2.5000	2.4162	-.084	-3.35	.07596	.001	1
S4	5.0000	4.9702	-.030	-.597	.15643	.001	1
S5	10.000	10.163	.163	1.63	.32003	.002	1



TI 190.856 {477}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000198

Re-Slope: 1.000000

A1 (Gain): 0.053188

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999689

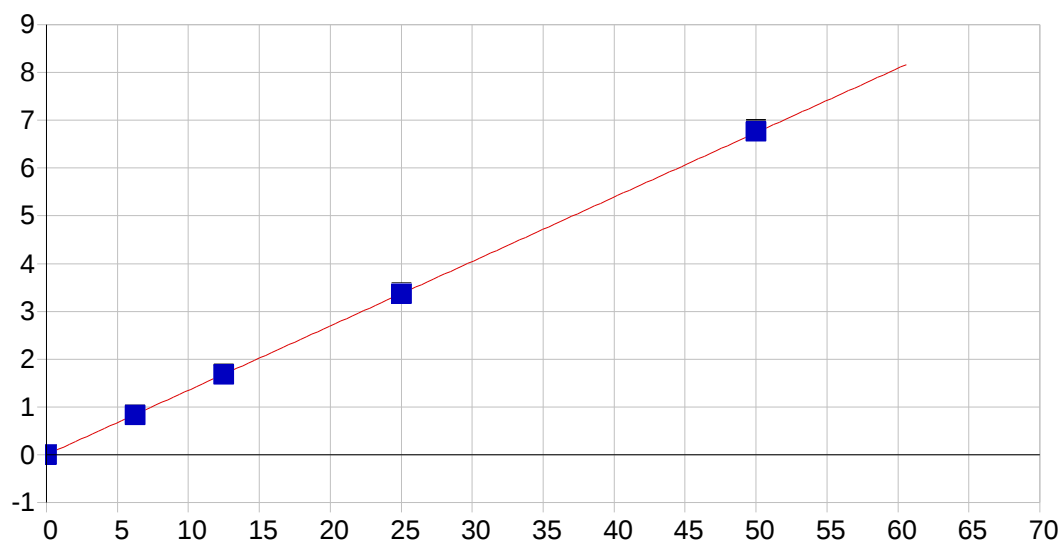
Status: OK.

Std Error of Est: 0.000035

Predicted MDL: 0.002460

Predicted MQL: 0.008199

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00020	.000	1
S1	.02500	.02644	.001	5.77	.00119	.000	1
S2	1.2500	1.3027	.053	4.22	.06869	.000	1
S3	2.5000	2.5888	.089	3.55	.13669	.001	1
S4	5.0000	5.0777	.078	1.55	.26827	.000	1
S5	10.000	9.7793	-.221	-2.21	.51673	.002	1



Pb 220.353 {453}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000350

Re-Slope: 1.000000

A1 (Gain): 0.134793

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999985

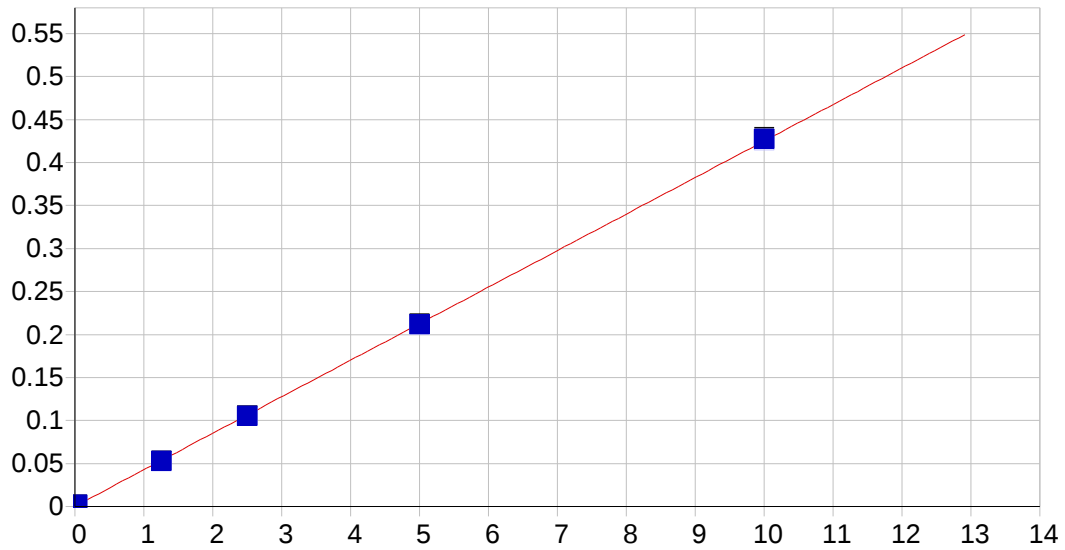
Status: OK.

Std Error of Est: 0.000028

Predicted MDL: 0.002080

Predicted MQL: 0.006935

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00035	.000	1
S1	.01000	.01255	.003	25.5	.00135	.000	1
S2	6.2500	6.1604	-.090	-1.43	.83135	.003	1
S3	12.500	12.443	-.057	-.456	1.6795	.008	1
S4	25.000	24.969	-.031	-.122	3.3706	.015	1
S5	50.000	50.175	.175	.349	6.7734	.035	1



Se 196.090 {472}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000217

Re-Slope: 1.000000

A1 (Gain): 0.042487

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999978

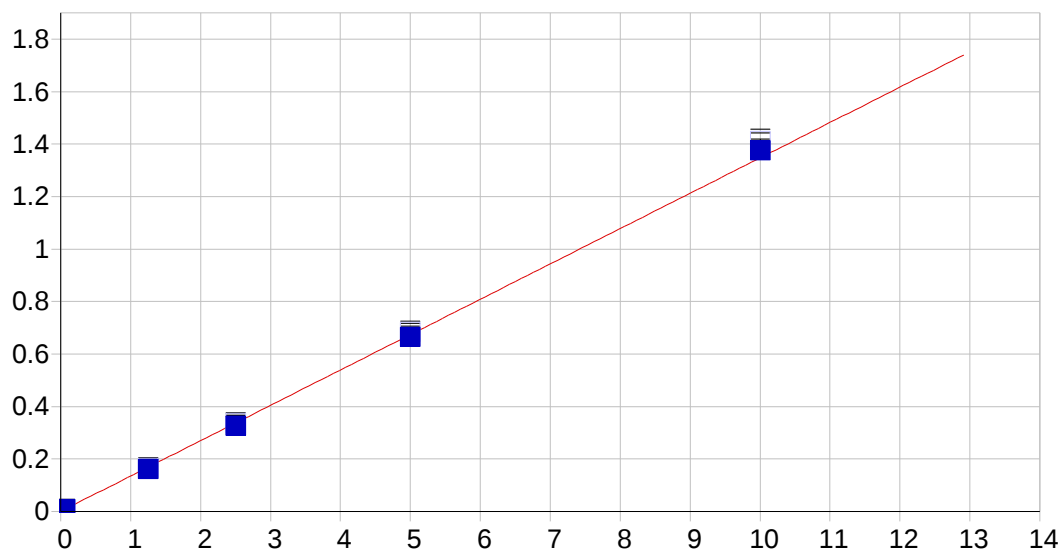
Status: OK.

Std Error of Est: 0.000009

Predicted MDL: 0.004527

Predicted MQL: 0.015092

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00022	.000	1
S1	.03500	.03696	.002	5.60	.00179	.000	1
S2	1.2500	1.2345	-.015	-1.24	.05242	.000	1
S3	2.5000	2.4783	-.022	-.867	.10502	.000	1
S4	5.0000	4.9835	-.016	-.329	.21096	.000	1
S5	10.000	10.052	.052	.517	.42529	.002	1



Sb 206.833 {463}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000448

Re-Slope: 1.000000

A1 (Gain): 0.134699

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999751

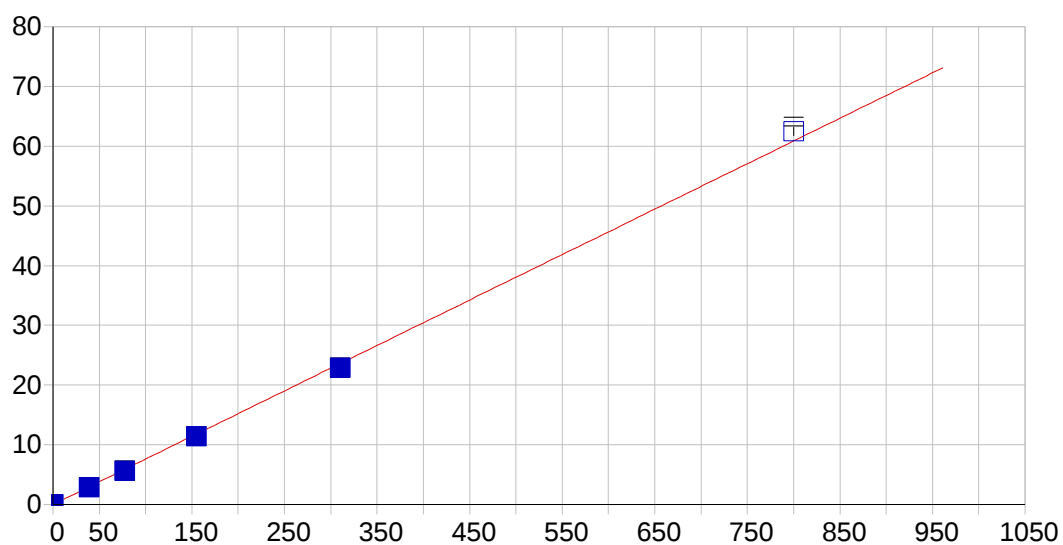
Status: OK.

Std Error of Est: 0.000127

Predicted MDL: 0.001875

Predicted MQL: 0.006249

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00045	.000	1
S1	.06000	.06159	.002	2.66	.00874	.000	1
S2	1.2500	1.1962	-.054	-4.30	.16617	.000	1
S3	2.5000	2.4223	-.078	-3.11	.33590	.002	1
S4	5.0000	4.9277	-.072	-1.45	.68255	.004	1
S5	10.000	10.202	.202	2.02	1.4114	.008	1



AI 396.152 { 85}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001382

Re-Slope: 1.000000

A1 (Gain): 0.076076

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999521

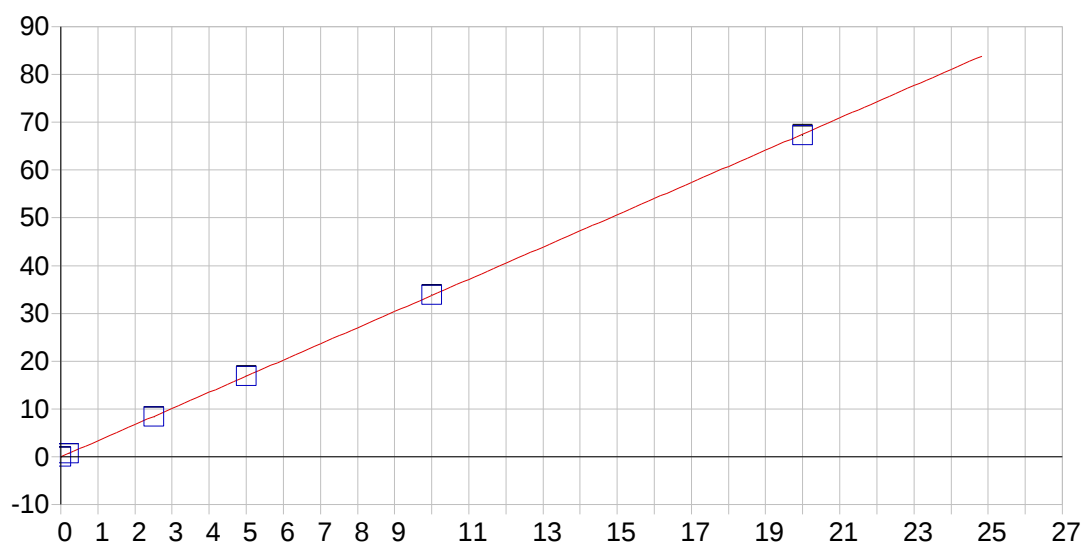
Status: OK.

Std Error of Est: 0.001465

Predicted MDL: 0.011593

Predicted MQL: 0.038643

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.00138	.000	1
S1	.20000	.19911	-.001	-.447	.01655	.000	1
S2	38.750	36.830	-1.92	-4.95	2.8060	.009	1
S3	77.500	73.918	-3.58	-4.62	5.6303	.006	1
S4	155.00	149.24	-5.76	-3.72	11.366	.033	1
S5	310.00	300.33	-9.67	-3.12	22.871	.036	1
S6	800.00	820.96	21.0	2.62	62.457	.777	1



Ba 493.409 { 68}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.026969

Re-Slope: 1.000000

A1 (Gain): 3.377860

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999978

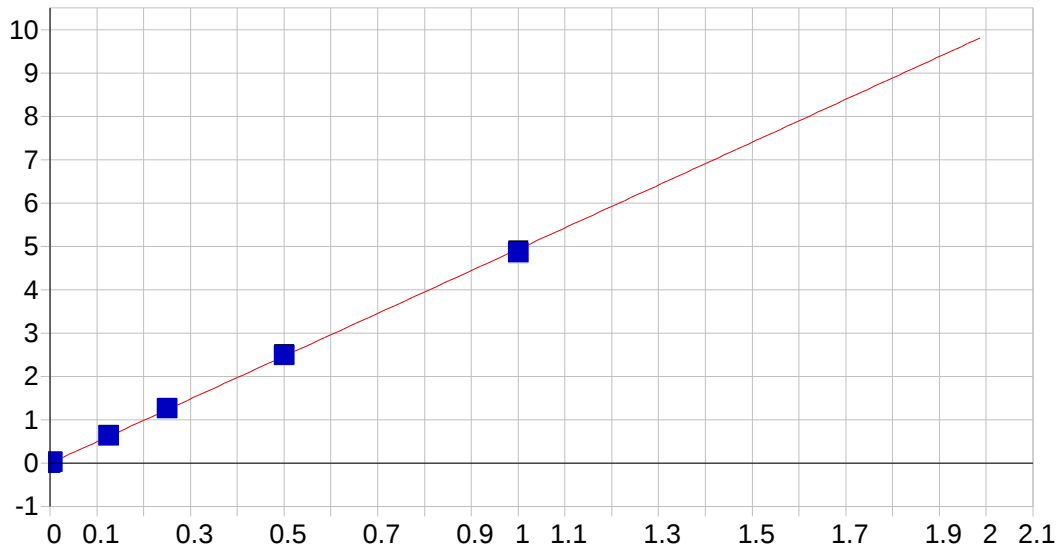
Status: OK.

Std Error of Est: 0.002388

Predicted MDL: 0.000823

Predicted MQL: 0.002742

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	-.02702	.001	1
S1	.20000	.21478	.015	7.39	.69854	.003	1
S2	2.5000	2.4836	-.016	-.658	8.3621	.017	1
S3	5.0000	5.0172	.017	.343	16.920	.023	1
S4	10.000	10.046	.046	.464	33.908	.075	1
S5	20.000	19.938	-.062	-.310	67.321	.173	1



Be 234.861 {144}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001293

Re-Slope: 1.000000

A1 (Gain): 4.935200

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999838

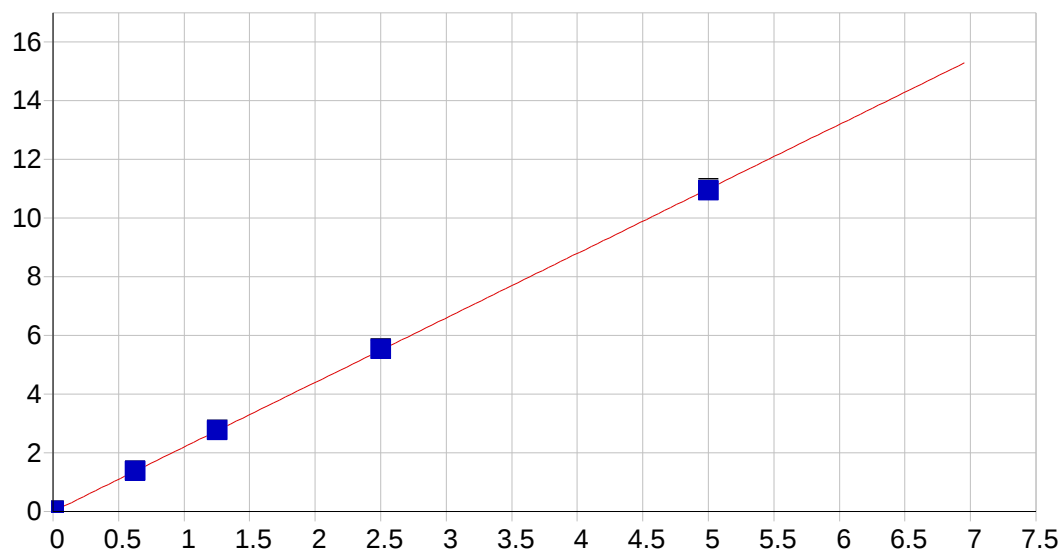
Status: OK.

Std Error of Est: 0.000332

Predicted MDL: 0.000086

Predicted MQL: 0.000288

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00130	.000	1
S1	.00500	.00546	.000	9.21	.02563	.001	1
S2	.12500	.12928	.004	3.42	.63402	.003	1
S3	.25000	.25587	.006	2.35	1.2561	.006	1
S4	.50000	.50466	.005	.932	2.4785	.017	1
S5	1.0000	.98474	-.015	-1.53	4.8370	.041	1



Cd 214.438 {457}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000419

Re-Slope: 1.000000

A1 (Gain): 2.199344

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999984

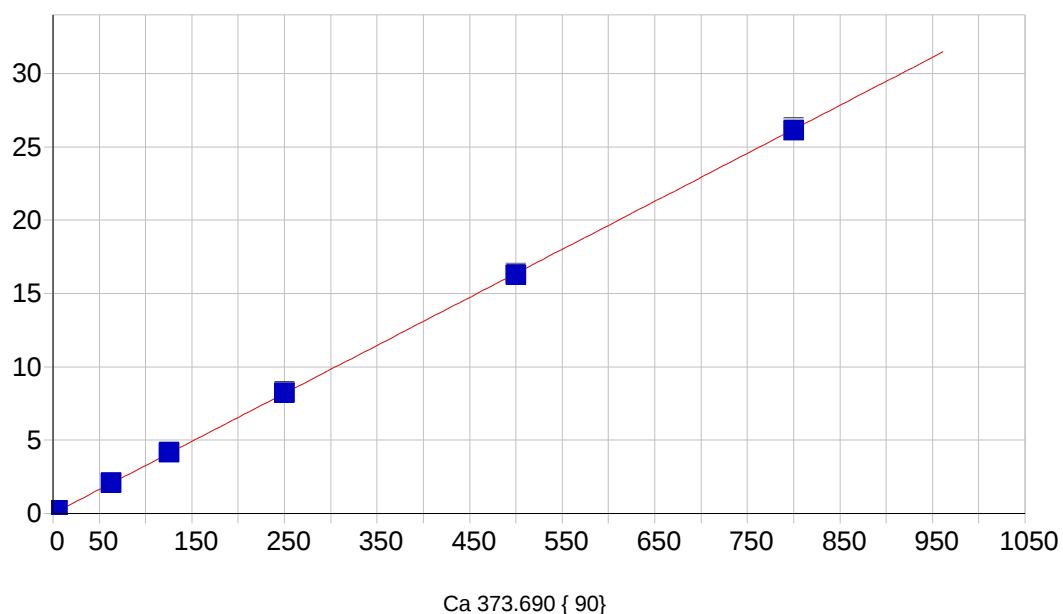
Status: OK.

Std Error of Est: 0.000106

Predicted MDL: 0.000105

Predicted MQL: 0.000349

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00042	.000	1
S1	.00500	.00531	.000	6.22	.01211	.000	1
S2	.62500	.62601	.001	.161	1.3800	.005	1
S3	1.2500	1.2607	.011	.857	2.7788	.012	1
S4	2.5000	2.5131	.013	.523	5.5389	.020	1
S5	5.0000	4.9749	-.025	-.502	10.965	.046	1



Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.002086

Re-Slope: 1.000000

A1 (Gain): 0.032739

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999965

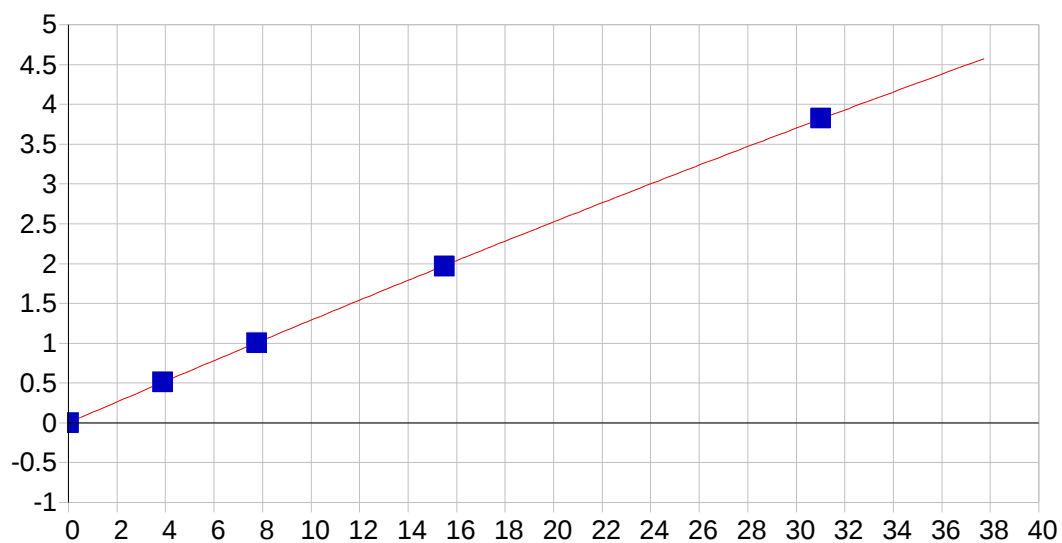
Status: OK.

Std Error of Est: 0.000962

Predicted MDL: 0.018787

Predicted MQL: 0.062622

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00052	-.001	.000	.00207	.001	1
S1	5.0000	5.3311	.331	6.62	.17664	.001	1
S2	62.500	63.981	1.48	2.37	2.1040	.001	1
S3	125.00	127.04	2.04	1.63	4.1757	.006	1
S4	250.00	251.44	1.44	.578	8.2631	.033	1
S5	500.00	496.95	-3.05	-.609	16.330	.044	1
S6	800.00	797.76	-2.24	-.280	26.275	.028	1



Cr 267.716 {126}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Curvilinear

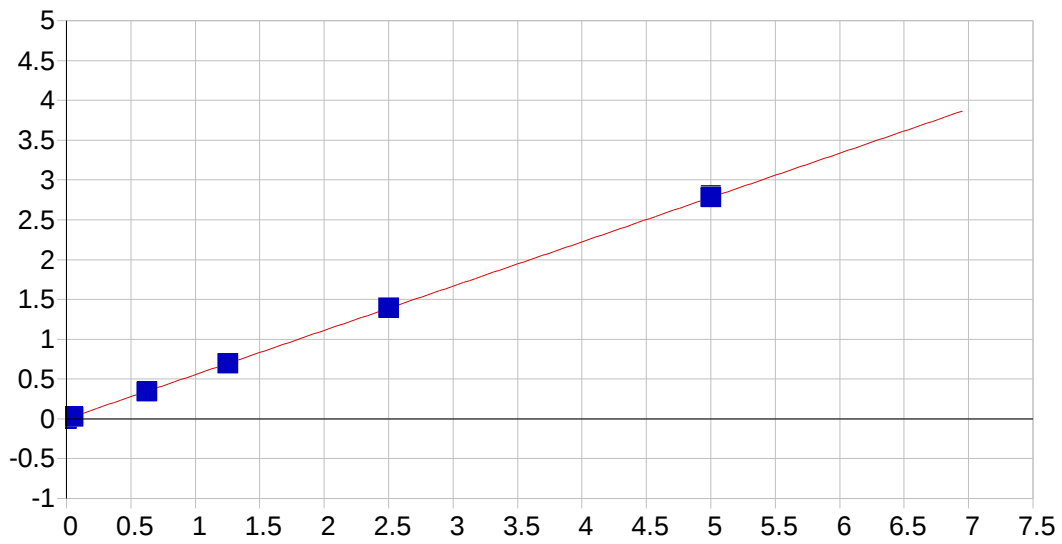
Weighting: 1/Conc

A0 (Offset): 0.000016
 A1 (Gain): 0.131805
 A2 (Curvature): -0.000282
 n (Exponent): 1.000000
 Correlation: 0.999989
 Std Error of Est: 0.000020
 Predicted MDL: 0.000523
 Predicted MQL: 0.001744

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00002	.000	1
S1	.01000	.01147	.001	14.7	.00153	.000	1
S2	3.8750	3.9140	.039	1.01	.51248	.001	1
S3	7.7500	7.7648	.015	.191	1.0082	.001	1
S4	15.500	15.402	-.098	-.632	1.9667	.001	1
S5	31.000	31.043	.043	.139	3.8267	.002	1



Co 228.616 {448}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000134

Re-Slope: 1.000000

A1 (Gain): 0.555902

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999988

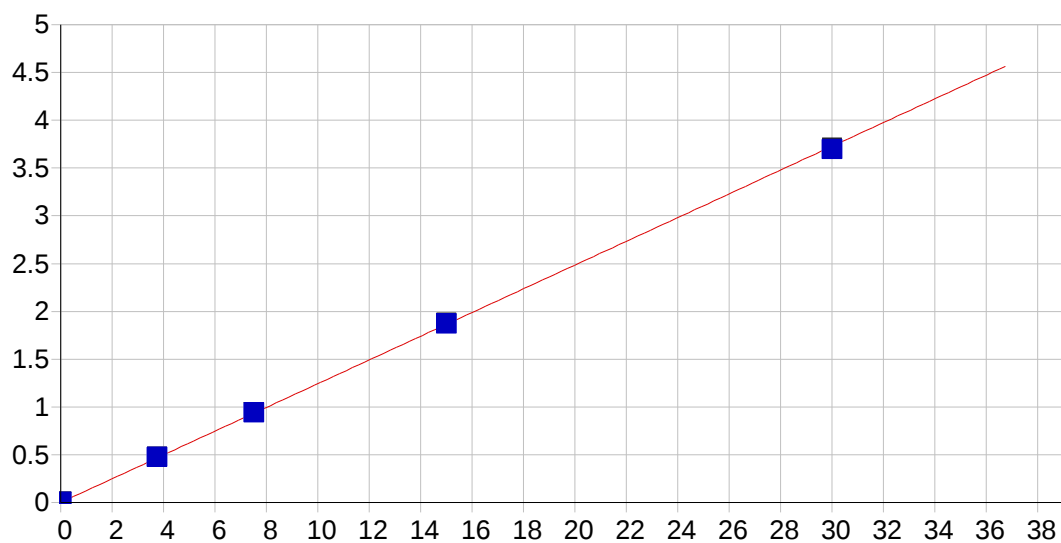
Status: OK.

Std Error of Est: 0.000074

Predicted MDL: 0.000351

Predicted MQL: 0.001170

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00013	.000	1
S1	.05000	.05164	.002	3.27	.02867	.000	1
S2	.62500	.61508	-.010	-1.59	.34248	.002	1
S3	1.2500	1.2470	-.003	-.236	.69448	.002	1
S4	2.5000	2.5031	.003	.124	1.3941	.006	1
S5	5.0000	5.0081	.008	.163	2.7894	.015	1



Cu 324.754 {104}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000661

Re-Slope: 1.000000

A1 (Gain): 0.124201

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999960

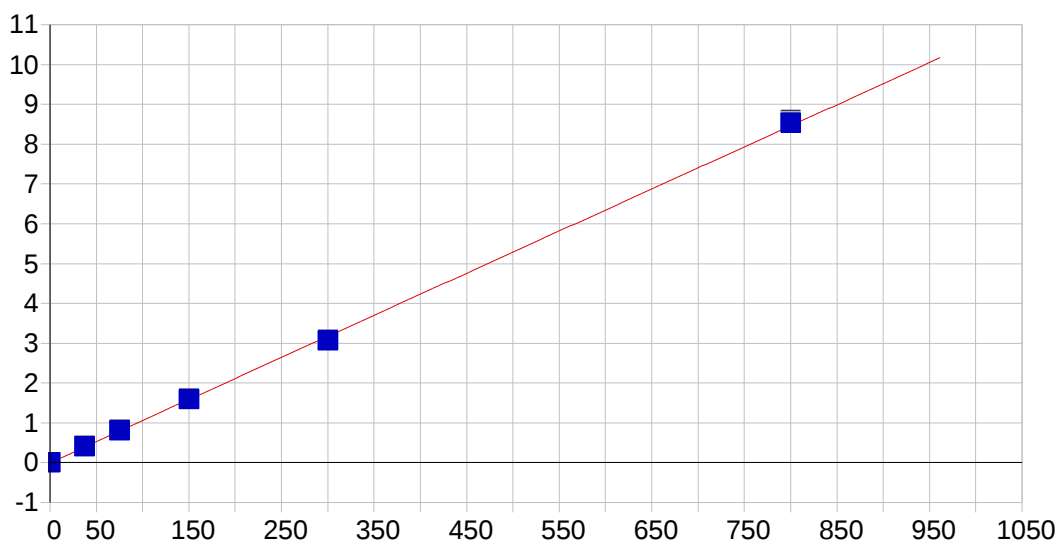
Status: OK.

Std Error of Est: 0.000051

Predicted MDL: 0.003645

Predicted MQL: 0.012151

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00066	.000	1
S1	.02500	.02837	.003	13.5	.00418	.000	1
S2	3.7500	3.8198	.070	1.86	.47479	.002	1
S3	7.5000	7.5751	.075	1.00	.94091	.000	1
S4	15.000	15.072	.072	.480	1.8714	.007	1
S5	30.000	29.780	-.220	-.734	3.6970	.009	1



Fe 259.837 {130}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000061

Re-Slope: 1.000000

A1 (Gain): 0.010575

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999806

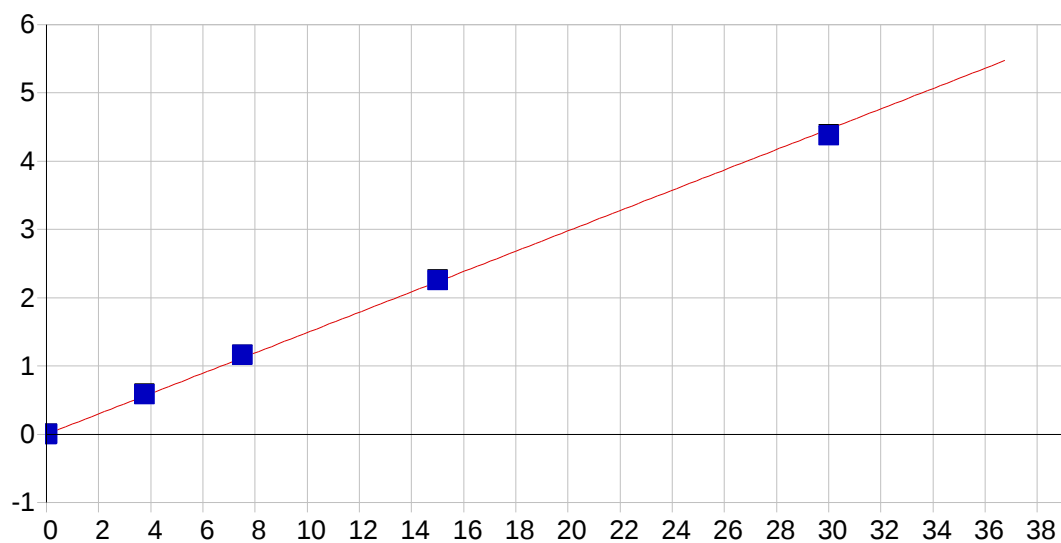
Status: OK.

Std Error of Est: 0.000091

Predicted MDL: 0.019775

Predicted MQL: 0.065916

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00003	.000	.000	-.00006	.000	1
S1	.10000	.12982	.030	29.8	.00133	.000	1
S2	37.500	38.734	1.23	3.29	.41169	.001	1
S3	75.000	76.664	1.66	2.22	.81493	.001	1
S4	150.00	150.75	.750	.500	1.6027	.007	1
S5	300.00	289.30	-10.7	-3.57	3.0763	.003	1
S6	800.00	807.03	7.03	.878	8.5729	.036	1



Mn 257.610 {131}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000005

Re-Slope: 1.000000

A1 (Gain): 0.148933

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999699

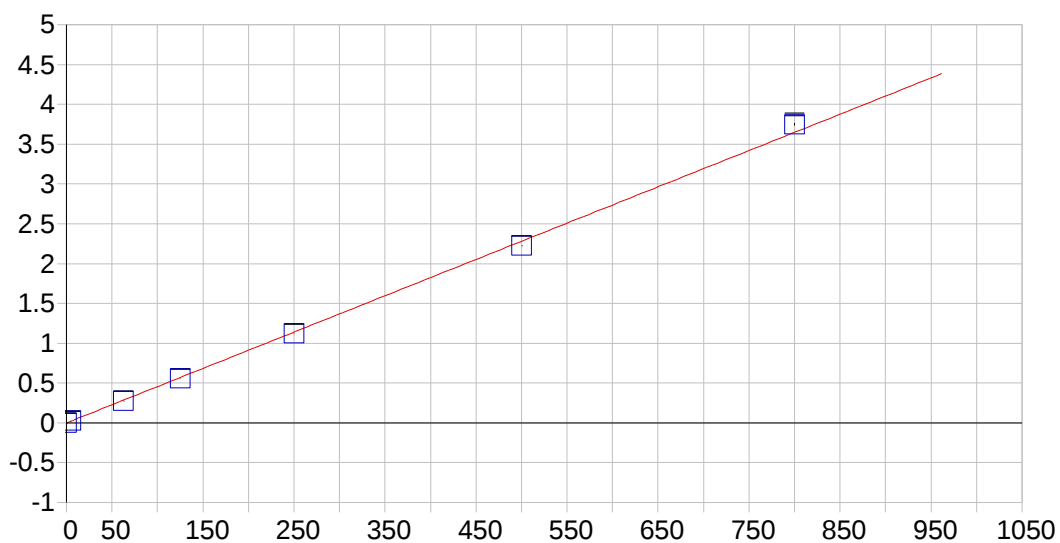
Status: OK.

Std Error of Est: 0.000130

Predicted MDL: 0.001241

Predicted MQL: 0.004137

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00001	.000	1
S1	.01500	.01795	.003	19.6	.00267	.000	1
S2	3.7500	3.9388	.189	5.04	.58675	.003	1
S3	7.5000	7.7753	.275	3.67	1.1583	.002	1
S4	15.000	15.142	.142	.943	2.2556	.007	1
S5	30.000	29.391	-.609	-2.03	4.3784	.012	1



Mg 279.079 {121}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000254

Re-Slope: 1.000000

A1 (Gain): 0.004560

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999665

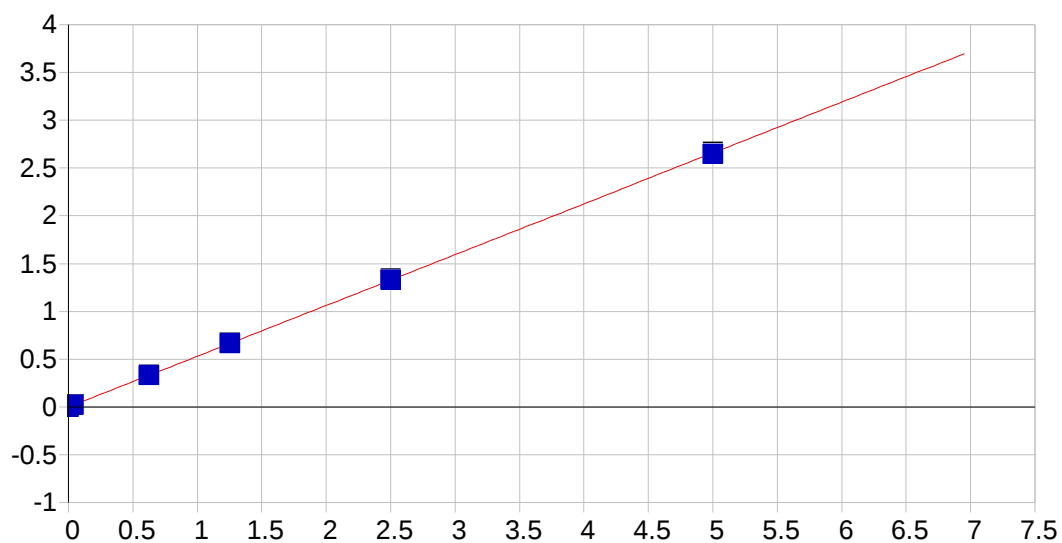
Status: OK.

Std Error of Est: 0.000412

Predicted MDL: 0.055075

Predicted MQL: 0.183584

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00028	.000	.000	-.00025	.000	1
S1	5.0000	5.0960	.096	1.92	.02298	.000	1
S2	62.500	60.469	-2.03	-3.25	.27549	.002	1
S3	125.00	121.44	-3.56	-2.84	.55355	.001	1
S4	250.00	245.48	-4.52	-1.81	1.1192	.004	1
S5	500.00	487.78	-12.2	-2.44	2.2241	.003	1
S6	800.00	822.24	22.2	2.78	3.7493	.016	1



Ni 231.604 {446}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001385

Re-Slope: 1.000000

A1 (Gain): 0.531784

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999979

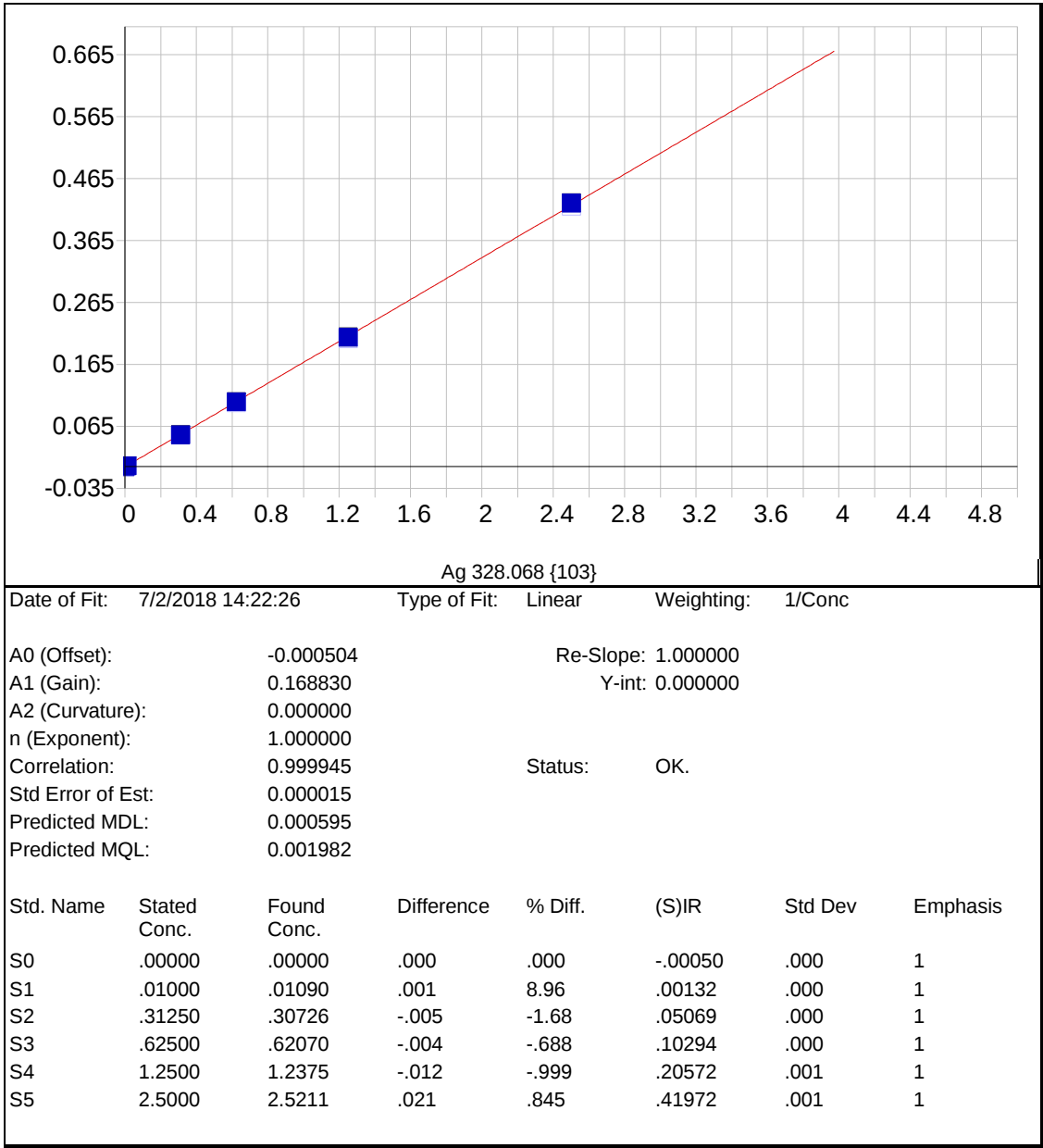
Status: OK.

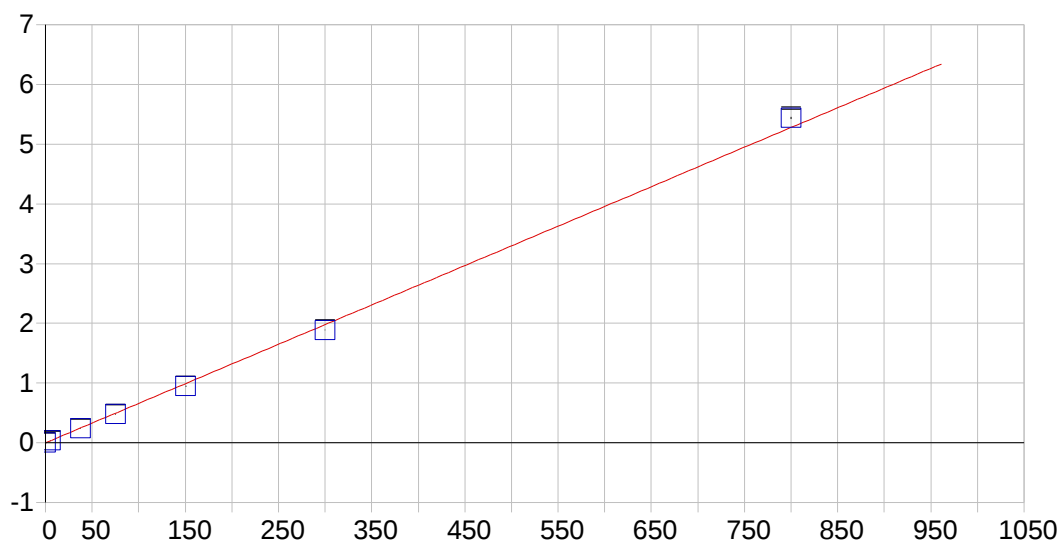
Std Error of Est: 0.000082

Predicted MDL: 0.000485

Predicted MQL: 0.001618

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00139	.000	1
S1	.04000	.04312	.003	7.80	.02156	.000	1
S2	.62500	.62460	.000	-.064	.33145	.001	1
S3	1.2500	1.2572	.007	.573	.66852	.003	1
S4	2.5000	2.5096	.010	.385	1.3359	.005	1
S5	5.0000	4.9805	-.020	-.390	2.6526	.015	1





Na 818.326 { 41}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000351

Re-Slope: 1.000000

A1 (Gain): 0.006597

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999313

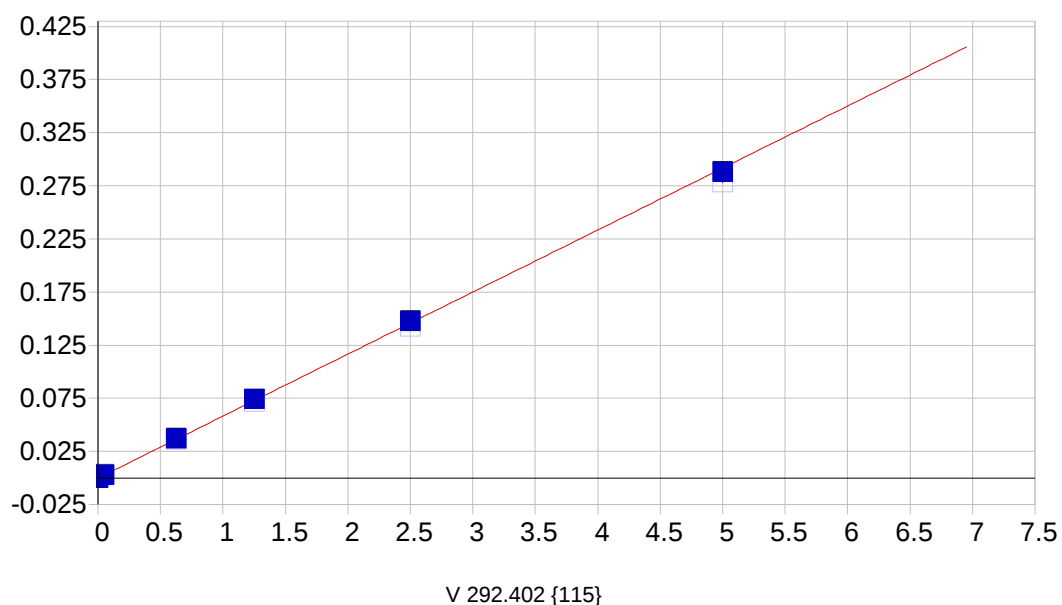
Status: OK.

Std Error of Est: 0.000756

Predicted MDL: 0.288346

Predicted MQL: 0.961155

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00049	.000	.000	-.00035	.002	1
S1	5.0000	5.2200	.220	4.40	.03409	.001	1
S2	37.500	35.838	-1.66	-4.43	.23607	.001	1
S3	75.000	71.953	-3.05	-4.06	.47432	.002	1
S4	150.00	143.70	-6.30	-4.20	.94763	.001	1
S5	300.00	286.09	-13.9	-4.64	1.8870	.004	1
S6	800.00	824.70	24.7	3.09	5.4402	.016	1



Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000174

Re-Slope: 1.000000

A1 (Gain): 0.058389

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999867

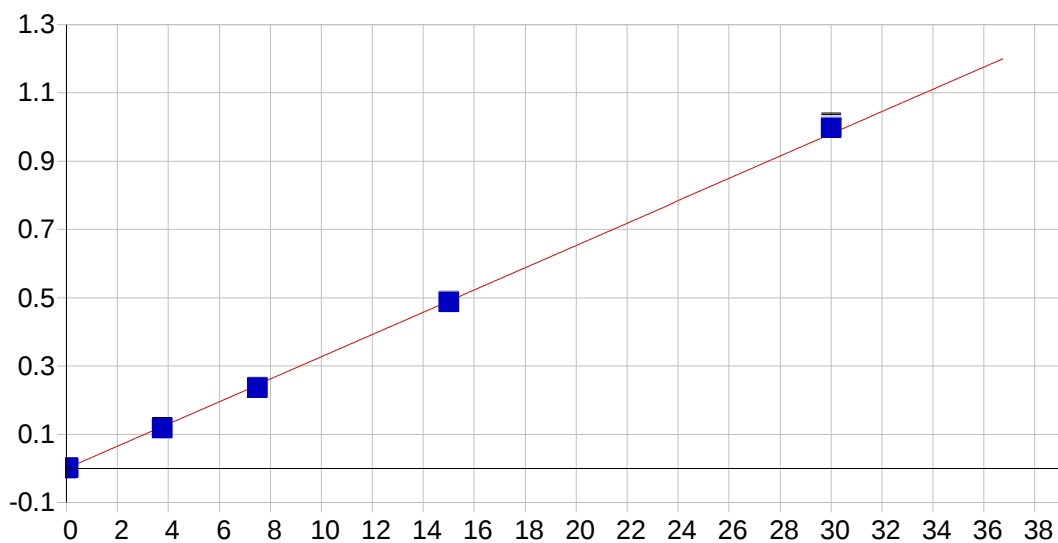
Status: OK.

Std Error of Est: 0.000025

Predicted MDL: 0.005305

Predicted MQL: 0.017683

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	-.00017	.000	1
S1	.05000	.05576	.006	11.5	.00308	.000	1
S2	.62500	.63624	.011	1.80	.03577	.000	1
S3	1.2500	1.2705	.020	1.64	.07160	.000	1
S4	2.5000	2.5275	.027	1.10	.14259	.000	1
S5	5.0000	4.9349	-.065	-1.30	.27834	.001	1



Zn 213.856 {158}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000310

Re-Slope: 1.000000

A1 (Gain): 0.032682

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999739

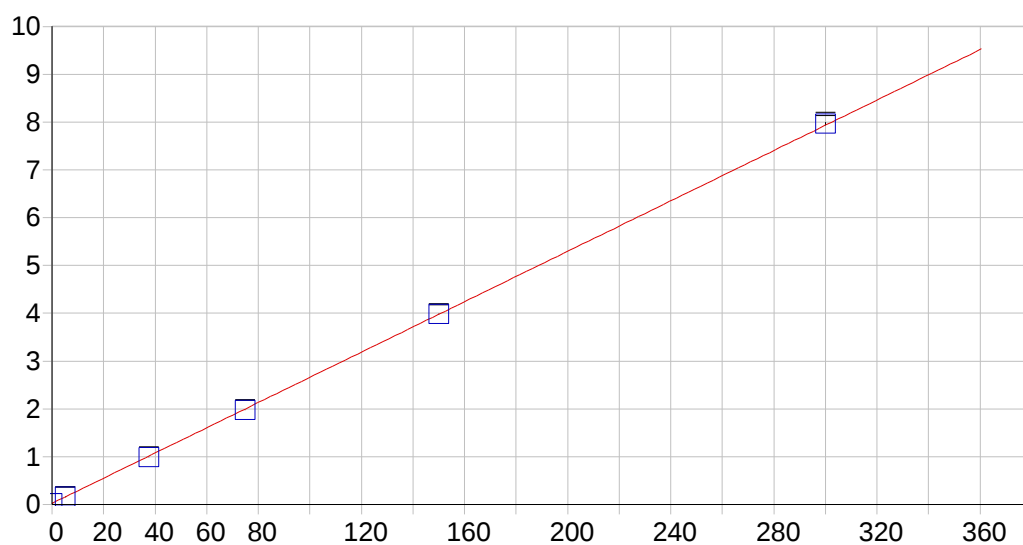
Status: OK.

Std Error of Est: 0.000053

Predicted MDL: 0.011912

Predicted MQL: 0.039706

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00031	.000	1
S1	.06000	.06268	.003	4.47	.00175	.000	1
S2	3.7500	3.5891	-.161	-4.29	.11756	.002	1
S3	7.5000	7.2050	-.295	-3.93	.23631	.002	1
S4	15.000	14.896	-.104	-.691	.48883	.001	1
S5	30.000	30.557	.557	1.86	1.0029	.009	1



K 769.896 { 44}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.023054

Re-Slope: 1.000000

A1 (Gain): 0.026369

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999961

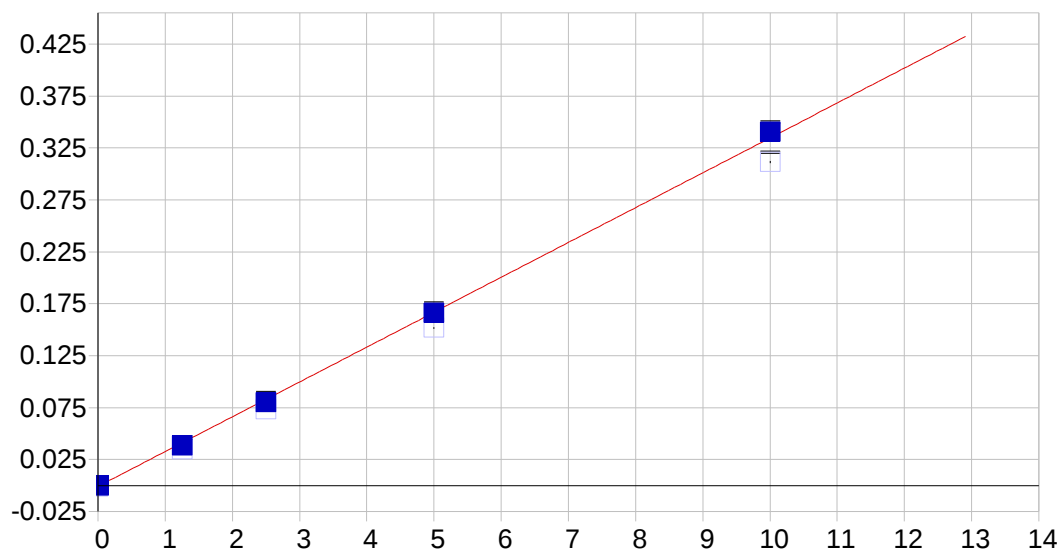
Status: OK.

Std Error of Est: 0.000478

Predicted MDL: 0.064591

Predicted MQL: 0.215305

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00010	.000	.000	.02305	.002	1
S1	5.0000	5.2387	.239	4.77	.16119	.001	1
S2	37.500	36.686	-.814	-2.17	.99041	.004	1
S3	75.000	74.157	-.843	-1.12	1.9785	.003	1
S4	150.00	150.19	.190	.127	3.9834	.013	1
S5	300.00	301.23	1.23	.409	7.9660	.034	1



P 177.495 {490}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000948

Re-Slope: 1.000000

A1 (Gain): 0.033558

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999576

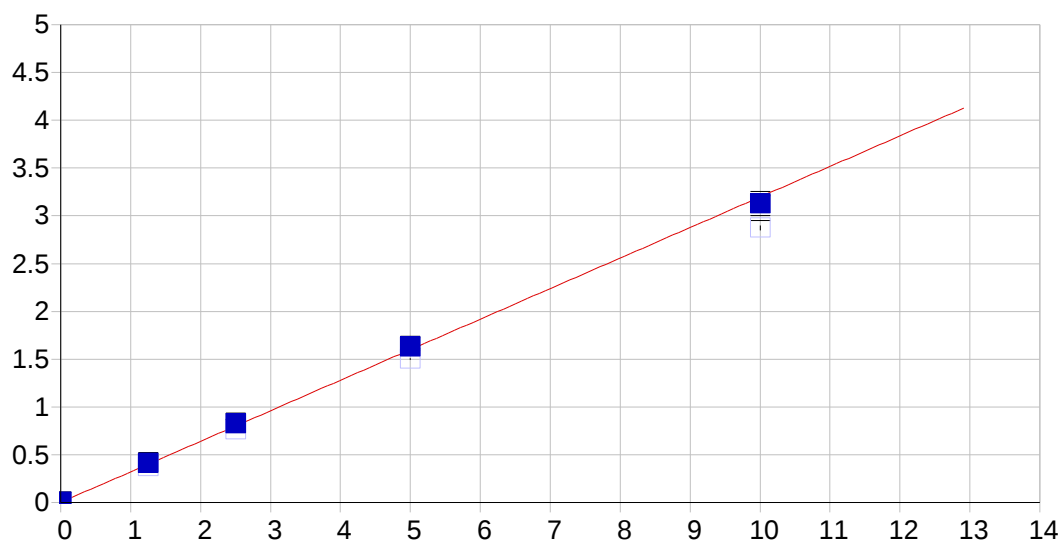
Status: OK.

Std Error of Est: 0.000015

Predicted MDL: 0.003132

Predicted MQL: 0.010440

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00095	.000	1
S1	.01000	.01559	.006	55.9	-.00045	.000	1
S2	1.2500	1.1752	-.075	-5.99	.03487	.000	1
S3	2.5000	2.4182	-.082	-3.27	.07297	.001	1
S4	5.0000	4.9801	-.020	-.397	.15171	.001	1
S5	10.000	10.171	.171	1.71	.31142	.001	1



B 249.678 {135}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001315

Re-Slope: 1.000000

A1 (Gain): 0.319580

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999672

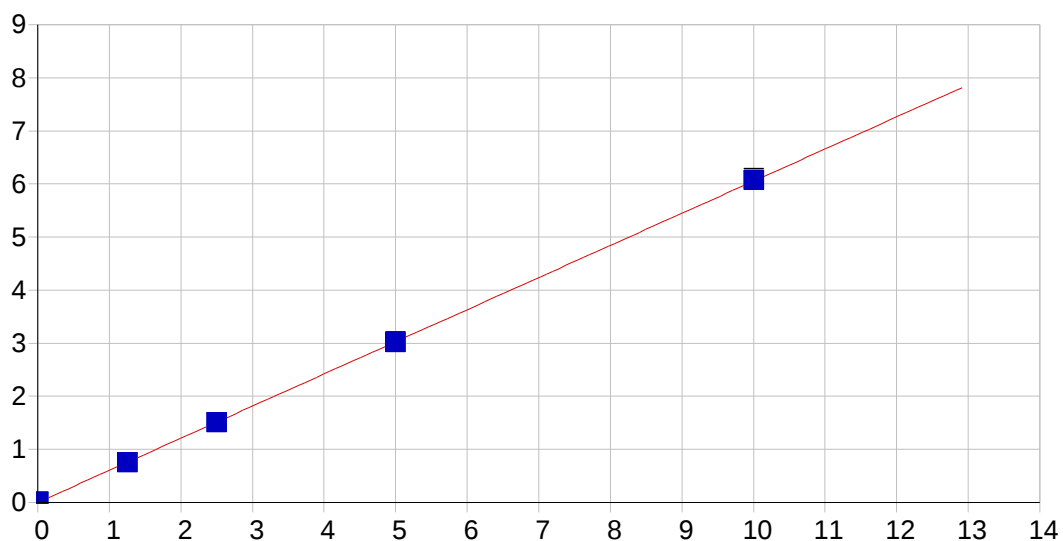
Status: OK.

Std Error of Est: 0.000126

Predicted MDL: 0.001397

Predicted MQL: 0.004657

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00132	.000	1
S1	.01000	.00949	-.001	-5.11	.00428	.000	1
S2	1.2500	1.2877	.038	3.01	.38119	.003	1
S3	2.5000	2.5842	.084	3.37	.76390	.003	1
S4	5.0000	5.0946	.095	1.89	1.5029	.009	1
S5	10.000	9.7840	-.216	-2.16	2.8750	.025	1



Mo 202.030 {467}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000117

Re-Slope: 1.000000

A1 (Gain): 0.605267

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999988

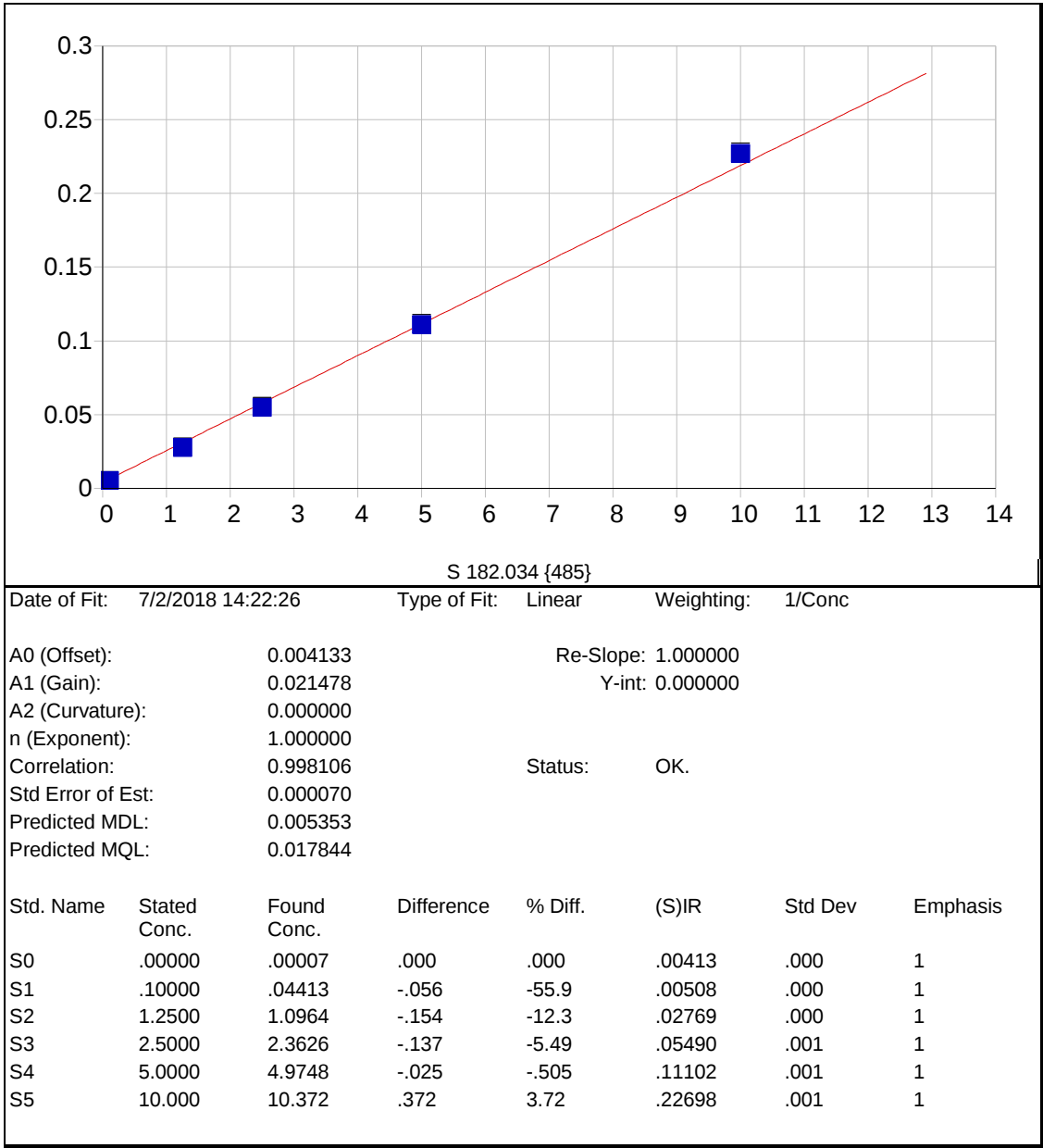
Status: OK.

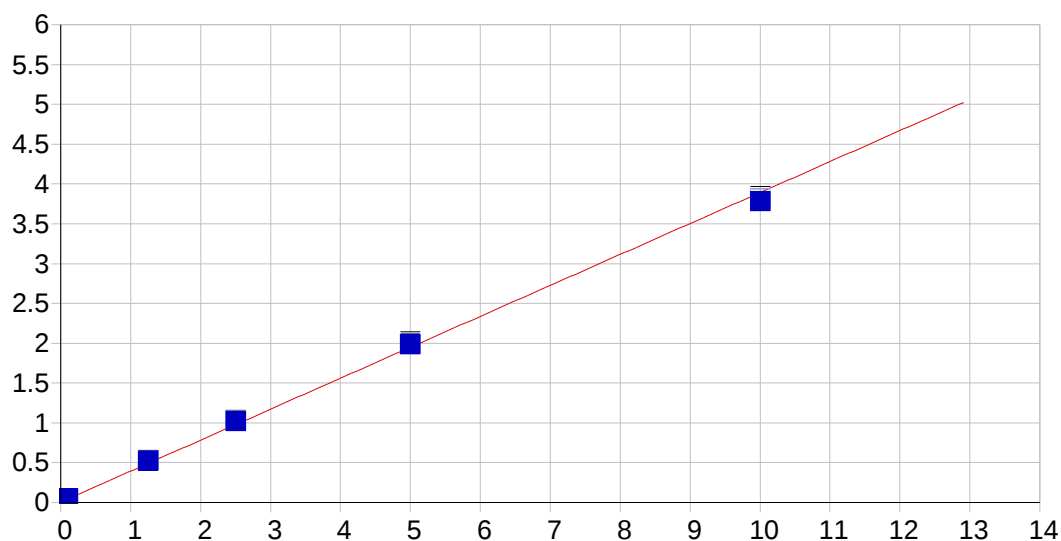
Std Error of Est: 0.000050

Predicted MDL: 0.000360

Predicted MQL: 0.001201

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00012	.000	1
S1	.01000	.01125	.001	12.5	.00692	.000	1
S2	1.2500	1.2383	-.012	-.938	.74957	.002	1
S3	2.5000	2.4873	-.013	-.509	1.5055	.007	1
S4	5.0000	4.9907	-.009	-.187	3.0207	.011	1
S5	10.000	10.033	.033	.325	6.0722	.030	1





Si 251.611 {134}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.005516

Re-Slope: 1.000000

A1 (Gain): 0.388683

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999489

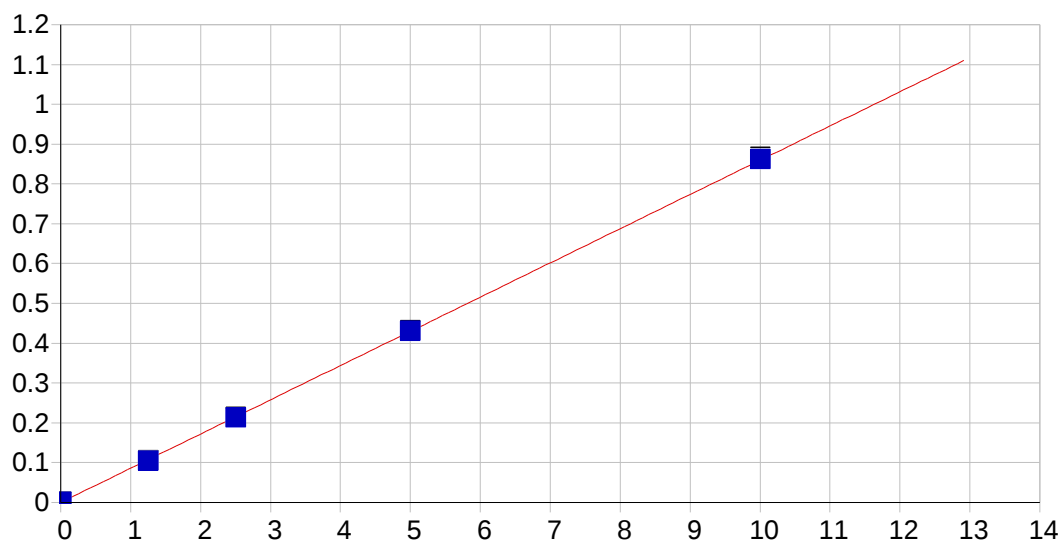
Status: OK.

Std Error of Est: 0.000666

Predicted MDL: 0.001334

Predicted MQL: 0.004446

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	.000	.000	.00551	.000	1
S1	.10000	.10410	.004	4.10	.04611	.000	1
S2	1.2500	1.3254	.075	6.03	.52467	.004	1
S3	2.5000	2.6095	.109	4.38	1.0277	.004	1
S4	5.0000	5.0970	.097	1.94	2.0026	.013	1
S5	10.000	9.7140	-.286	-2.86	3.8130	.034	1



Sn 189.989 {478}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000069

Re-Slope: 1.000000

A1 (Gain): 0.085953

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999968

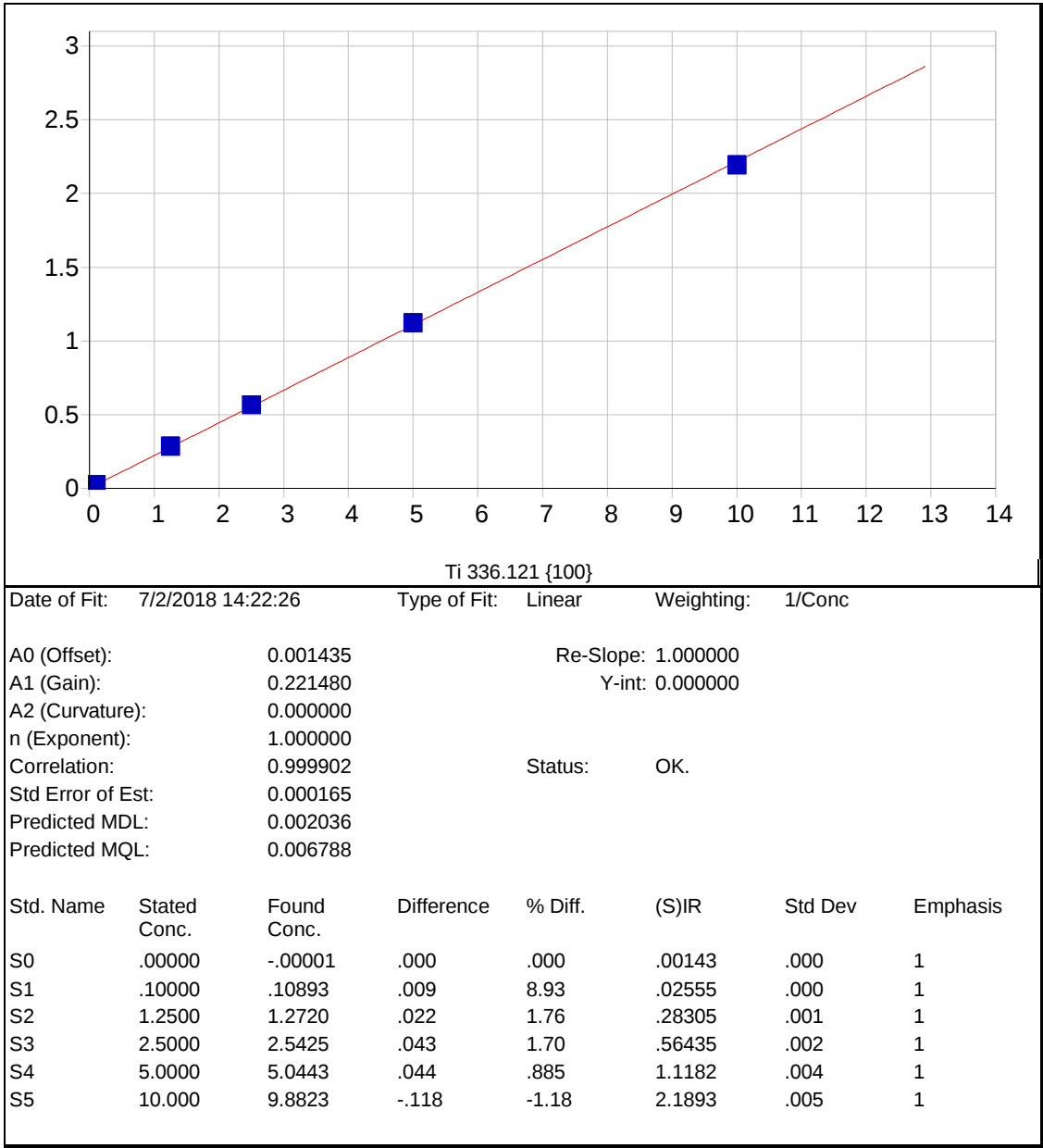
Status: OK.

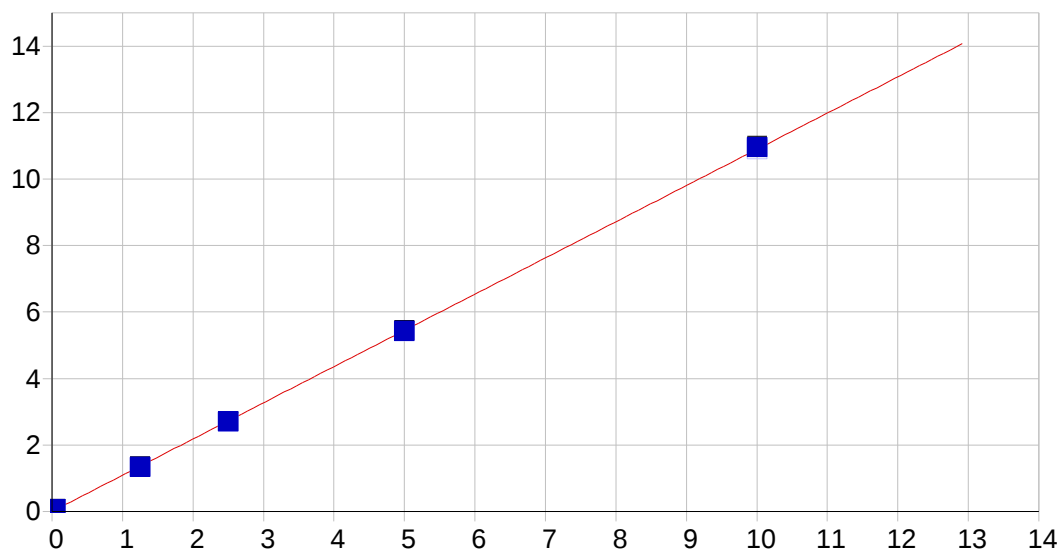
Std Error of Est: 0.000010

Predicted MDL: 0.001314

Predicted MQL: 0.004381

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00007	.000	1
S1	.00700	.00764	.001	9.13	.00070	.000	1
S2	1.2500	1.2181	-.032	-2.56	.10453	.001	1
S3	2.5000	2.4810	-.019	-.759	.21284	.001	1
S4	5.0000	5.0182	.018	.363	.43044	.001	1
S5	10.000	10.032	.032	.322	.86046	.006	1





Li 670.784 { 50}

Date of Fit: 7/2/2018 14:22:26

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001854

Re-Slope: 1.000000

A1 (Gain): 1.089315

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999977

Status: OK.

Std Error of Est: 0.000278

Predicted MDL: 0.001770

Predicted MQL: 0.005901

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00185	.001	1
S5	10.000	10.050	.050	.502	10.888	.032	1
S4	5.0000	4.9882	-.012	-.236	5.4050	.016	1
S3	2.5000	2.4787	-.021	-.853	2.6866	.005	1
S2	1.2500	1.2306	-.019	-1.56	1.3347	.003	1
S1	.05000	.05230	.002	4.61	.05872	.002	1



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

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



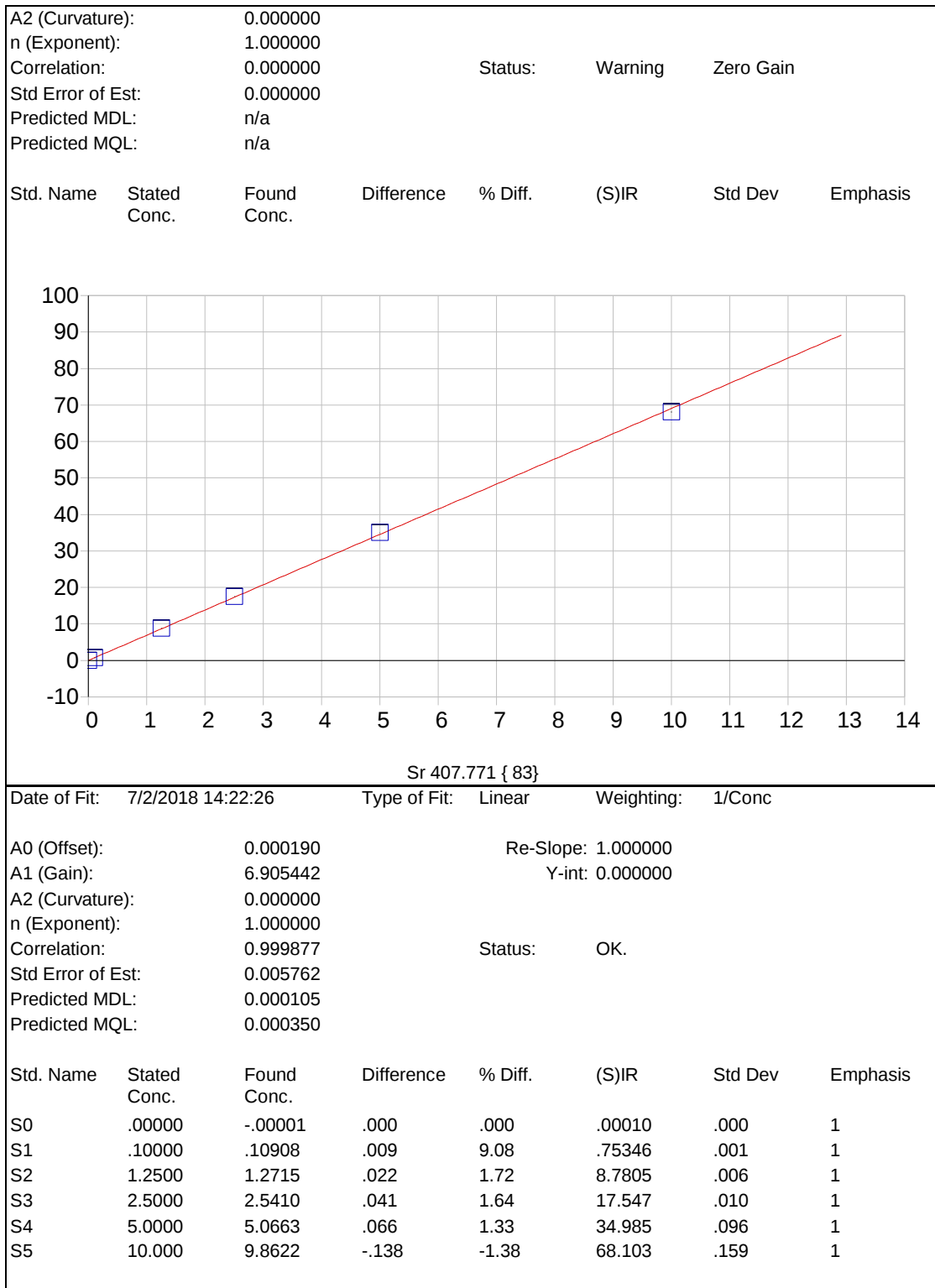


A0 (Offset):	0.000000	Re-Slope: 1.000000
A1 (Gain):	0.000000	Y-int: 0.000000
A2 (Curvature):	0.000000	
n (Exponent):	1.000000	
Correlation:	0.000000	Status: Warning Zero Gain
Std Error of Est:	0.000000	
Predicted MDL:	n/a	
Predicted MQL:	n/a	

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



Sample Name: S0 Acquired: 7/2/2018 13:47:41 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	-.00018	-.00020	-.00035	.00022	.00045	.00138	-.02702	-.00130
Stddev	.00005	.00004	.00018	.00007	.00022	.00046	.00121	.00012
%RSD	29.502	18.470	50.481	31.430	48.970	33.270	4.4659	9.0588

#1	-.00024	-.00024	-.00051	.00027	.00042	.00093	-.02830	-.00129
#2	-.00015	-.00017	-.00016	.00014	.00068	.00185	-.02590	-.00118
#3	-.00016	-.00018	-.00038	.00023	.00024	.00138	-.02685	-.00141

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	.00042	.00207	.00002	-.00013	.00066	-.00006	-.00001	-.00025
Stddev	.00009	.00136	.00002	.00015	.00020	.00008	.00021	.00018
%RSD	21.868	65.971	140.69	108.19	30.213	134.91	3507.5	72.400

#1	.00050	.00303	-.00001	-.00030	.00089	-.00008	.00023	-.00045
#2	.00043	.00267	.00004	-.00002	.00053	-.00013	-.00008	-.00021
#3	.00032	.00051	.00001	-.00009	.00056	.00003	-.00018	-.00010

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	-.00139	-.00050	-.00035	-.00017	-.00031	.02305	-.00095	.00132
Stddev	.00022	.00003	.00199	.00026	.00014	.00167	.00004	.00015
%RSD	15.760	6.0858	572.42	150.70	44.067	7.2253	4.3141	11.224

#1	-.00144	-.00053	-.00038	-.00041	-.00023	.02185	-.00091	.00115
#2	-.00115	-.00047	-.00232	.00011	-.00023	.02495	-.00094	.00143
#3	-.00157	-.00051	.00166	-.00023	-.00047	.02236	-.00099	.00137

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	.00012	.00413	.00551	.00007	.00143	.00185	.00010	
Stddev	.00005	.00045	.00009	.00002	.00028	.00060	.00036	
%RSD	43.662	10.780	1.6893	24.909	19.821	32.470	347.29	

#1	.00011	.00463	.00547	.00007	.00110	.00209	.00052	
#2	.00017	.00400	.00544	.00005	.00161	.00117	-.00013	
#3	.00007	.00377	.00562	.00008	.00159	.00230	-.00008	

Sample Name: S0 Acquired: 7/2/2018 13:47:41 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	1785.0	2354.8	48790.	5399.3	3114.2
Stddev	10.7	7.4	308.	12.7	11.9
%RSD	.59899	.31263	.63026	.23501	.38150
#1	1778.2	2357.5	48827.	5388.9	3108.4
#2	1779.4	2360.5	48465.	5413.4	3127.8
#3	1797.3	2346.5	49077.	5395.6	3106.3

Sample Name: S1 Acquired: 7/2/2018 13:51:50 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	.00014	.00119	.00135	.00179	.00874	.01655	.69854	.02563
Stddev	.00011	.00016	.00023	.00020	.00015	.00036	.00297	.00060
%RSD	81.303	13.261	16.938	11.084	1.7351	2.1742	.42513	2.3233

#1	.00002	.00102	.00111	.00191	.00867	.01662	.70185	.02530
#2	.00016	.00120	.00156	.00156	.00892	.01616	.69613	.02528
#3	.00024	.00134	.00138	.00189	.00864	.01687	.69763	.02632

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	.01211	.17664	.00153	.02867	.00418	.00133	.00267	.02298
Stddev	.00036	.00113	.00003	.00014	.00012	.00014	.00013	.00040
%RSD	3.0087	.63809	1.9141	.50136	2.9886	10.264	4.7485	1.7586

#1	.01175	.17675	.00154	.02852	.00408	.00122	.00253	.02295
#2	.01248	.17545	.00155	.02870	.00432	.00149	.00277	.02260
#3	.01209	.17770	.00150	.02880	.00413	.00130	.00270	.02340

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	.02156	.00132	.03409	.00308	.00175	.16119	-.00045	.00428
Stddev	.00009	.00004	.00117	.00023	.00023	.00118	.00011	.00006
%RSD	.41045	2.7096	3.4249	7.3189	13.366	.73101	25.255	1.4686

#1	.02157	.00132	.03429	.00314	.00149	.16143	-.00035	.00422
#2	.02146	.00129	.03283	.00327	.00194	.15991	-.00057	.00435
#3	.02164	.00136	.03514	.00283	.00180	.16224	-.00042	.00428

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	.00692	.00508	.04611	.00070	.02555	.05872	.75346	
Stddev	.00031	.00014	.00036	.00016	.00003	.00181	.00111	
%RSD	4.5147	2.8119	.78152	23.079	.12075	3.0886	.14748	

#1	.00668	.00521	.04618	.00057	.02553	.05670	.75264	
#2	.00681	.00493	.04572	.00088	.02559	.05925	.75473	
#3	.00728	.00510	.04643	.00065	.02555	.06021	.75303	

Sample Name: S1 Acquired: 7/2/2018 13:51:50 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	1781.4	2352.3	48833.	5487.1	3122.2
Stddev	.6	5.8	35.	26.1	8.7
%RSD	.03648	.24496	.07105	.47550	.27745
#1	1782.1	2349.2	48810.	5459.5	3126.0
#2	1781.2	2358.9	48873.	5511.4	3128.3
#3	1780.8	2348.7	48816.	5490.3	3112.3

Sample Name: S2 Acquired: 7/2/2018 13:55:59 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	.03765	.06869	.83135	.05242	.16617	2.8060	8.3621	.63402
Stddev	.00028	.00029	.00294	.00012	.00019	.0094	.0172	.00257
%RSD	.74325	.41813	.35375	.23831	.11351	.33521	.20569	.40540

#1	.03748	.06877	.82944	.05250	.16605	2.7954	8.3437	.63194
#2	.03750	.06837	.82987	.05248	.16607	2.8132	8.3778	.63321
#3	.03798	.06893	.83474	.05227	.16638	2.8095	8.3649	.63689

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	1.3800	2.1040	.51248	.34248	.47479	.41169	.58675	.27549
Stddev	.0046	.0011	.00100	.00165	.00212	.00071	.00278	.00171
%RSD	.33415	.05098	.19554	.48291	.44554	.17130	.47407	.61979

#1	1.3782	2.1041	.51235	.34253	.47430	.41206	.58626	.27468
#2	1.3767	2.1051	.51354	.34080	.47711	.41087	.58974	.27434
#3	1.3853	2.1029	.51155	.34410	.47296	.41213	.58424	.27746

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	.33145	.05069	.23607	.03577	.11756	.99041	.03487	.38119
Stddev	.00122	.00035	.00089	.00035	.00193	.00390	.00003	.00343
%RSD	.36706	.68162	.37542	.98077	1.6440	.39349	.08741	.89906

#1	.33077	.05067	.23529	.03609	.11976	.98656	.03484	.37825
#2	.33072	.05105	.23703	.03539	.11611	.99031	.03488	.38038
#3	.33285	.05036	.23590	.03583	.11682	.99435	.03490	.38495

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	.74957	.02769	.52467	.10453	.28305	1.3347	8.7805	
Stddev	.00228	.00022	.00386	.00065	.00148	.0034	.0058	
%RSD	.30365	.79400	.73528	.62394	.52436	.25552	.06649	

#1	.74776	.02787	.52188	.10433	.28137	1.3319	8.7738	
#2	.74884	.02745	.52306	.10399	.28359	1.3336	8.7831	
#3	.75213	.02776	.52907	.10525	.28419	1.3385	8.7846	

Sample Name: S2 Acquired: 7/2/2018 13:55:59 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
 User: JASWAL 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	1707.8	2259.5	47091.	5392.7	2857.1
Stddev	10.5	5.2	344.	17.1	5.3
%RSD	.61262	.23010	.72996	.31674	.18572
#1	1695.7	2265.5	46864.	5409.9	2861.9
#2	1713.7	2256.0	46922.	5392.4	2858.0
#3	1714.0	2257.1	47487.	5375.8	2851.4

Sample Name: S3 Acquired: 7/2/2018 13:59:54 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	.07596	.13669	1.6795	.10502	.33590	5.6303	16.920	1.2561
Stddev	.00072	.00057	.0080	.00024	.00173	.0057	.023	.0063
%RSD	.94348	.41789	.47789	.22571	.51639	.10064	.13431	.49772

#1	.07526	.13652	1.6729	.10476	.33412	5.6269	16.935	1.2502
#2	.07592	.13622	1.6772	.10506	.33600	5.6368	16.932	1.2626
#3	.07669	.13733	1.6884	.10523	.33759	5.6272	16.894	1.2554

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.7788	4.1757	1.0082	.69448	.94091	.81493	1.1583	.55355
Stddev	.0124	.0065	.0010	.00249	.00048	.00057	.0021	.00067
%RSD	.44539	.15526	.09580	.35870	.05078	.07023	.17664	.12069

#1	2.7716	4.1686	1.0092	.69273	.94044	.81446	1.1578	.55404
#2	2.7717	4.1813	1.0073	.69338	.94090	.81477	1.1605	.55381
#3	2.7931	4.1772	1.0082	.69733	.94139	.81557	1.1564	.55279

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	.66852	.10294	.47432	.07160	.23631	1.9785	.07297	.76390
Stddev	.00321	.00023	.00249	.00012	.00161	.0030	.00090	.00290
%RSD	.47953	.22356	.52466	.16109	.68073	.15311	1.2353	.37971

#1	.66593	.10320	.47696	.07172	.23708	1.9767	.07208	.76087
#2	.66752	.10277	.47399	.07150	.23739	1.9820	.07294	.76665
#3	.67210	.10284	.47202	.07158	.23446	1.9768	.07388	.76420

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	1.5055	.05490	1.0277	.21284	.56435	2.6866	17.547	
Stddev	.0066	.00051	.0040	.00114	.00176	.0046	.010	
%RSD	.43851	.92885	.38445	.53466	.31169	.17011	.05661	

#1	1.5006	.05482	1.0253	.21178	.56459	2.6912	17.558	
#2	1.5029	.05443	1.0323	.21271	.56598	2.6865	17.541	
#3	1.5130	.05544	1.0257	.21404	.56248	2.6821	17.541	

Sample Name: S3 Acquired: 7/2/2018 13:59:54 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	1665.2	2178.2	46316.	5339.1	2701.1
Stddev	11.1	5.3	85.	16.6	9.3
%RSD	.66810	.24540	.18385	.31161	.34409
#1	1656.7	2179.3	46272.	5355.1	2703.0
#2	1661.1	2182.9	46414.	5321.9	2709.3
#3	1677.8	2172.4	46261.	5340.3	2691.0

Sample Name: S4 Acquired: 7/2/2018 14:03:50 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
 User: JASWAL 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	.15643	.26827	3.3706	.21096	.68255	11.366	33.908	2.4785
Stddev	.00094	.00015	.0148	.00020	.00423	.033	.075	.0174
%RSD	.60212	.05726	.43837	.09602	.62016	.28658	.22065	.70192

#1	.15606	.26837	3.3587	.21072	.67962	11.331	33.823	2.4628
#2	.15572	.26809	3.3660	.21107	.68062	11.370	33.961	2.4755
#3	.15750	.26835	3.3872	.21108	.68740	11.396	33.941	2.4972

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	5.5389	8.2631	1.9667	1.3941	1.8714	1.6027	2.2556	1.1192
Stddev	.0202	.0325	.0005	.0058	.0068	.0073	.0070	.0042
%RSD	.36440	.39379	.02682	.41404	.36312	.45389	.31269	.37217

#1	5.5254	8.2272	1.9665	1.3909	1.8654	1.6009	2.2490	1.1167
#2	5.5291	8.2715	1.9673	1.3907	1.8702	1.5964	2.2547	1.1168
#3	5.5621	8.2907	1.9663	1.4008	1.8788	1.6107	2.2630	1.1240

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	1.3359	.20572	.94763	.14259	.48883	3.9834	.15171	1.5029
Stddev	.0055	.00066	.00140	.00043	.00120	.0135	.00084	.0086
%RSD	.41025	.32229	.14795	.30278	.24529	.33869	.55314	.56926

#1	1.3332	.20577	.94819	.14299	.48789	3.9685	.15157	1.4966
#2	1.3324	.20636	.94867	.14264	.49018	3.9868	.15260	1.4994
#3	1.3422	.20503	.94603	.14213	.48842	3.9948	.15094	1.5126

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	3.0207	.11102	2.0026	.43044	1.1182	5.4050	34.985	
Stddev	.0109	.00053	.0131	.00121	.0038	.0160	.096	
%RSD	.36171	.47449	.65211	.28095	.34140	.29592	.27540	

#1	3.0103	.11159	1.9927	.42932	1.1145	5.3874	34.874	
#2	3.0196	.11055	1.9977	.43028	1.1181	5.4188	35.039	
#3	3.0321	.11092	2.0174	.43172	1.1221	5.4087	35.043	

Sample Name: S4 Acquired: 7/2/2018 14:03:50 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	1581.3	2068.3	44931.	5284.7	2529.5
Stddev	5.9	8.2	100.	25.6	8.6
%RSD	.37338	.39625	.22213	.48532	.34037
#1	1584.8	2077.1	44914.	5311.3	2537.2
#2	1574.5	2067.0	44840.	5282.8	2531.1
#3	1584.6	2060.9	45038.	5260.1	2520.2

Sample Name: S5 Acquired: 7/2/2018 14:07:43 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
 User: JASWAL 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	.32003	.51673	6.7734	.42529	1.4114	22.871	67.321	4.8370
Stddev	.00215	.00200	.0350	.00202	.0077	.036	.173	.0414
%RSD	.67042	.38612	.51593	.47607	.54298	.15941	.25751	.85535

#1	.31892	.51533	6.7558	.42461	1.4069	22.845	67.229	4.8715
#2	.31867	.51583	6.7507	.42370	1.4070	22.913	67.521	4.8484
#3	.32250	.51901	6.8136	.42757	1.4202	22.856	67.213	4.7911

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	10.965	16.330	3.8267	2.7894	3.6970	3.0763	4.3784	2.2241
Stddev	.046	.044	.0017	.0147	.0089	.0030	.0117	.0032
%RSD	.41819	.26662	.04467	.52555	.24116	.09803	.26709	.14280

#1	10.946	16.309	3.8255	2.7825	3.6885	3.0738	4.3654	2.2215
#2	10.931	16.380	3.8260	2.7795	3.7063	3.0797	4.3881	2.2276
#3	11.017	16.301	3.8287	2.8062	3.6963	3.0755	4.3816	2.2231

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	2.6526	.41972	1.8870	.27834	1.0029	7.9660	.31142	2.8750
Stddev	.0149	.00070	.0045	.00064	.0088	.0344	.00127	.0248
%RSD	.56003	.16788	.23618	.23152	.87287	.43203	.40637	.86398

#1	2.6465	.42029	1.8834	.27771	.99299	7.9588	.31054	2.8966
#2	2.6418	.41894	1.8920	.27830	1.0095	8.0035	.31085	2.8804
#3	2.6696	.41994	1.8855	.27900	1.0064	7.9358	.31287	2.8479

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	6.0722	.22698	3.8130	.86046	2.1893	10.888	68.103	
Stddev	.0297	.00116	.0341	.00603	.0051	.032	.159	
%RSD	.48883	.50893	.89474	.70104	.23332	.29715	.23399	

#1	6.0587	.22627	3.8328	.85818	2.1852	10.868	68.202	
#2	6.0517	.22636	3.8327	.85590	2.1951	10.926	68.188	
#3	6.1063	.22832	3.7736	.86730	2.1877	10.872	67.919	

Sample Name: S5 Acquired: 7/2/2018 14:07:43 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	1463.3	1913.3	43174.	5208.0	2322.0
Stddev	9.0	8.1	89.	29.0	10.1
%RSD	.61180	.42564	.20721	.55744	.43640
#1	1470.9	1917.9	43256.	5189.8	2327.5
#2	1453.5	1918.2	43188.	5192.7	2328.1
#3	1465.5	1903.9	43079.	5241.4	2310.3

Sample Name: S6 Acquired: 7/2/2018 14:11:41 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: IR Corr. Factor: 1.000000
User: JASWAL 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	62.457	26.275	8.5729	3.7493	5.4402
Stddev	.777	.028	.0355	.0156	.0156
%RSD	1.2441	.10540	.41450	.41615	.28581

#1	63.242	26.307	8.5882	3.7584	5.4473
#2	61.689	26.259	8.5323	3.7313	5.4224
#3	62.439	26.259	8.5983	3.7582	5.4509

Int. Std.	Y_3710
Units	Cts/S
Avg	5107.0
Stddev	35.5
%RSD	.69495

#1	5068.2
#2	5137.7
#3	5115.2

Sample Name: ICV Acquired: 7/2/2018 14:15:55 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9790864	1.089619	1.001520	1.020145	.9407323	2.388009
Stddev	.0090163	.005901	.000808	.008558	.0050149	.015233
%RSD	.9208914	.5415925	.0806884	.8389364	.5330880	.6378927

#1	.9795144	1.090593	1.001973	1.013490	.9407052	2.383876
#2	.9698637	1.083290	1.000587	1.017146	.9357310	2.375270
#3	.9878811	1.094972	1.001999	1.029800	.9457608	2.404882

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5196140	.5143163	.5018798	10.18234	.5188445	.5008085
Stddev	.0015541	.0026118	.0014999	.04293	.0017330	.0024449
%RSD	.2990949	.5078269	.2988550	.4215789	.3340010	.4881953

#1	.5209882	.5125396	.5012797	10.13539	.5208185	.5001450
#2	.5179274	.5130942	.5007728	10.19208	.5181411	.4987637
#3	.5199263	.5173152	.5035868	10.21957	.5175738	.5035167

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5369684	5.464617	.5433190	5.724616	.5138883	.5084534
Stddev	.0054433	.038177	.0009433	.080967	.0024931	.0020245
%RSD	1.013718	.6986198	.1736255	1.414367	.4851473	.3981642

#1	.5420007	5.508085	.5438478	5.673968	.5120275	.5107902
#2	.5311908	5.449239	.5422299	5.817997	.5129162	.5073383
#3	.5377136	5.436528	.5438793	5.681882	.5167209	.5072316

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.05294	.5288039	.9904821	9.966418	F .0148273	F 2.714850
Stddev	.13838	.0044798	.0157108	.030122	.0005530	.012660
%RSD	1.376543	.8471488	1.586177	.3022345	3.729812	.4663391

#1	10.20571	.5337895	.9965396	9.935922	.0153709	2.707465
#2	10.01713	.5275055	1.002262	9.967181	.0148457	2.707616
#3	9.93599	.5251168	.972644	9.996151	.0142653	2.729469

Sample Name: ICV Acquired: 7/2/2018 14:15:55 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL 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 2.575289	-.093850	2.643592	F 2.500204	2.719600	.0033578
Stddev	.010921	.005508	.010700	.006928	.010372	.0003277
%RSD	.4240821	5.868650	.4047576	.2771133	.3813688	9.759035

#1	2.574067	-.087846	2.634578	2.494957	2.731575	.0037101
#2	2.565029	-.095037	2.640781	2.497597	2.713738	.0033009
#3	2.586769	-.098667	2.655417	2.508058	2.713485	.0030622

Elem	Sr4077
Units	ppm
Avg	.0122040
Stddev	.0001221
%RSD	1.000787

#1	.0121149
#2	.0121539
#3	.0123432

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1770.445	2342.018	48679.39	5510.960	3074.940
Stddev	8.148	4.965	190.19	11.050	7.732
%RSD	.4602027	.2120130	.3906984	.2005170	.2514368

#1	1762.044	2341.924	48460.03	5517.424	3078.058
#2	1778.313	2347.030	48798.09	5517.256	3080.625
#3	1770.979	2337.100	48780.06	5498.201	3066.136

Sample Name: ICB Acquired: 7/2/2018 14:23:52 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL 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	.0006544	-.001564	.0023219	-.000085	-.001844	-.009248	-.001626
Stddev	.0030476	.002404	.0011059	.006335	.000508	.007136	.000224
%RSD	465.6702	153.6925	47.63008	7428.164	27.54594	77.16141	13.79202

#1	.0025249	.000407	.0026979	.005357	-.002359	-.005699	-.001495
#2	.0023006	-.004243	.0031908	-.007039	-.001344	-.004583	-.001497
#3	-.002862	-.000858	.0010770	.001426	-.001828	-.017464	-.001885

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000357	-.000107	.0015791	.0000630	-.000028	-.000754	.0180699
Stddev	.0000502	.000055	.0067683	.0001822	.000236	.001145	.0024691
%RSD	140.3639	50.96797	428.6195	289.0148	831.3690	151.8106	13.66392

#1	.0000582	-.000150	-.001247	.0000608	-.000177	-.000089	.0200363
#2	.0000707	-.000126	-.003318	-.000118	.000243	-.002076	.0152989
#3	-.000022	-.000046	.009302	.000246	-.000151	-.000097	.0188744

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000298	.0196509	-.000085	-.000098	-.089580	.0000047	-.004692
Stddev	.000463	.0074605	.000083	.000349	.150604	.0077603	.016820
%RSD	155.4114	37.96538	96.73510	357.3788	168.1216	166077.7	358.4757

#1	.000215	.0281677	-.000143	-.000429	.024189	-.008146	-.019468
#2	-.000424	.0142709	-.000123	.000267	-.260368	.007304	.013613
#3	-.000684	.0165140	.000009	-.000131	-.032561	.000856	-.008222

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.128392	-.000820	.0068809	.0000016	-.100423	-.003873	-.000222
Stddev	.040043	.002570	.0008899	.0002153	.000486	.000659	.001356
%RSD	31.18843	313.5770	12.93292	13133.65	.4838153	17.01237	610.3493

#1	-.140857	-.003474	.0073460	.0001375	-.100772	-.003378	.001286
#2	-.160720	-.000643	.0074419	.0001140	-.099868	-.003621	-.001338
#3	-.083598	.001658	.0058548	-.000247	-.100629	-.004621	-.000615

Sample Name: ICB Acquired: 7/2/2018 14:23:52 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
 User: JASWAL Custom ID1: ICB Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0004363	-.000973	-.000123
Stddev	.0006638	.001278	.000068
%RSD	152.1375	131.3686	55.67740

#1	.0001185	.000503	-.000190
#2	.0011994	-.001735	-.000124
#3	-.000009	-.001686	-.000054

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1757.285	2342.392	48339.75	5461.230	3098.576
Stddev	2.183	1.632	23.86	34.784	4.091
%RSD	.1242489	.0696840	.0493561	.6369321	.1320332

#1	1754.982	2340.831	48312.50	5499.020	3100.648
#2	1757.548	2344.088	48356.88	5454.120	3093.864
#3	1759.325	2342.258	48349.88	5430.550	3101.217

Sample Name: ICSA Acquired: 7/2/2018 14:28:03 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: ICSA Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008445	.0016060	-.004832	-.016945	.0019114	248.7271
Stddev	.0038811	.0012912	.001352	.005235	.0018280	1.2375
%RSD	459.5799	80.39578	27.97500	30.89095	95.63206	.4975270

#1	-.002706	.0002841	-.006353	-.015616	.0030281	247.3864
#2	.004988	.0028640	-.004373	-.022717	-.000198	248.9693
#3	.000251	.0016699	-.003769	-.012504	.002904	249.8255

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052965	.0010573	.0009066	251.2148	.0509615	-.001544
Stddev	.0000620	.0000941	.0001568	1.1386	.0009402	.000556
%RSD	1.169942	8.900590	17.29829	.4532179	1.844922	35.97701

#1	.0052333	.0010204	.0007338	250.0498	.0498772	-.001963
#2	.0052990	.0009872	.0009461	251.2698	.0515514	-.000914
#3	.0053572	.0011642	.0010400	252.3249	.0514558	-.001756

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.007276	105.0020	.0127943	259.0772	.0007145	-.001854
Stddev	.001867	.6460	.0008012	1.7867	.0001867	.000472
%RSD	25.65954	.6152211	6.262107	.6896424	26.13451	25.48165

#1	-.007840	104.3407	.0131142	257.2507	.0005601	-.001867
#2	-.008796	105.0340	.0118826	259.1595	.0009220	-.002319
#3	-.005192	105.6315	.0133861	260.8213	.0006614	-.001375

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1171853	.0017857	-.009999	-.060582	.0039068	.0050874
Stddev	.2184279	.0037130	.005424	.072416	.0040626	.0009183
%RSD	186.3952	207.9271	54.24050	119.5335	103.9874	18.05078

#1	-.135033	.0011925	-.013974	.009436	.0077984	.0056853
#2	.243641	.0057596	-.003821	-.135179	-.000308	.0040300
#3	.242948	-.001595	-.012203	-.056004	.004230	.0055468

Sample Name: ICSA Acquired: 7/2/2018 14:28:03 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: ICSA Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015903	-.079583	-.005055	F -.007403	-.003147	.0085357
Stddev	.0009078	.003891	.001384	.003530	.002707	.0007432
%RSD	57.07864	4.889815	27.36834	47.68645	86.01060	8.707339

#1	.0010571	-.075873	-.003950	-.003930	-.004005	.0090578
#2	.0010754	-.083633	-.004609	-.007291	-.000115	.0076848
#3	.0026385	-.079242	-.006607	-.010987	-.005321	.0088645

Elem	Sr4077
Units	ppm
Avg	.1078087
Stddev	.0004992
%RSD	.4630173

#1	.1072569
#2	.1079404
#3	.1082288

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1641.486	2174.848	45215.68	5335.789	2638.737
Stddev	3.528	8.655	46.90	18.635	11.628
%RSD	.2149191	.3979603	.1037326	.3492423	.4406600

#1	1639.402	2174.470	45182.21	5351.317	2638.145
#2	1645.559	2183.686	45195.53	5315.125	2650.649
#3	1639.496	2166.388	45269.29	5340.926	2627.416

Sample Name: ICSAB Acquired: 7/2/2018 14:32:11 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL 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	.1006254	.1071641	.0474380	.0308535	.6025330	244.5794	.5350368
Stddev	.0062272	.0019195	.0024986	.0072410	.0032827	.5851	.0012416
%RSD	6.188485	1.791223	5.267182	23.46885	.5448180	.2392103	.2320514

#1	.1056040	.1085191	.0493311	.0254312	.6060360	244.9670	.5363986
#2	.1026292	.1049675	.0446059	.0390765	.5995274	244.8649	.5347441
#3	.0936430	.1080057	.0483770	.0280529	.6020355	243.9064	.5339677

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5298251	1.048741	247.7030	.5780139	.5197789	.5327607	103.4900
Stddev	.0011638	.003394	.7016	.0017138	.0027666	.0021126	.5525
%RSD	.2196541	.3236430	.2832548	.2965031	.5322676	.3965343	.5339128

#1	.5300898	1.045680	248.3932	.5788025	.5179133	.5305065	103.4945
#2	.5285518	1.048153	247.7253	.5791914	.5184657	.5346953	104.0404
#3	.5308337	1.052391	246.9905	.5760477	.5229575	.5330802	102.9353

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5565974	255.0301	1.048219	.2110798	.3059066	.5346409	1.016515
Stddev	.0019594	.5347	.004062	.0008046	.1779850	.0069622	.023676
%RSD	.3520273	.2096722	.3875030	.3811668	58.18280	1.302217	2.329154

#1	.5586568	254.8975	1.046677	.2115656	.3698705	.5284405	1.040079
#2	.5563790	255.6187	1.045154	.2115227	.4430699	.5421726	.992728
#3	.5547564	254.5742	1.052826	.2101511	.1047793	.5333095	1.016737

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.147089	.0119298	.0070362	.0026714	-.080576	-.003546	-.005543
Stddev	.032467	.0010353	.0026694	.0003958	.009936	.001488	.000685
%RSD	22.07276	8.677968	37.93836	14.81491	12.33187	41.95322	12.35281

#1	-.149030	.0114177	.0069164	.0023621	-.069929	-.004362	-.004769
#2	-.113696	.0131213	.0097636	.0025347	-.089603	-.001829	-.005793
#3	-.178542	.0112503	.0044287	.0031174	-.082195	-.004448	-.006068

Sample Name: ICSAB Acquired: 7/2/2018 14:32:11 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002112	.0078330	.1059740
Stddev	.000589	.0009023	.0002594
%RSD	27.87488	11.51916	.2448139

#1	-.002791	.0073102	.1059948
#2	-.001751	.0073138	.1062224
#3	-.001793	.0088748	.1057048

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1637.543	2153.282	45160.89	5331.364	2625.784
Stddev	2.130	5.690	229.18	3.945	7.365
%RSD	.1300582	.2642651	.5074641	.0739887	.2805055

#1	1637.488	2151.367	45177.15	5331.327	2630.717
#2	1635.442	2159.684	44924.02	5327.439	2629.317
#3	1639.700	2148.797	45381.50	5335.328	2617.317

Sample Name: CCV052 Acquired: 7/2/2018 14:36:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCV052 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.936832	4.909089	24.82274	4.865036	4.954521	408.2310	10.14079
Stddev	.014064	.018947	.13749	.012793	.011745	1.1734	.03547
%RSD	.2848691	.3859630	.5538747	.2629502	.2370583	.2874438	.3497586

#1	4.948186	4.915951	24.77527	4.866771	4.940966	409.5528	10.17685
#2	4.921101	4.887666	24.71527	4.851464	4.961689	407.8281	10.13959
#3	4.941210	4.923649	24.97766	4.876873	4.960906	407.3120	10.10594

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4994908	2.503661	410.8010	15.17017	2.522786	15.17568	409.5965
Stddev	.0015013	.012544	1.4675	.03477	.009498	.04256	.9222
%RSD	.3005736	.5010342	.3572299	.2292250	.3765061	.2804638	.2251591

#1	.5000103	2.498881	411.9656	15.20170	2.522102	15.22019	410.6470
#2	.5006634	2.494209	411.2847	15.17594	2.513648	15.17147	409.2228
#3	.4977987	2.517892	409.1527	15.13287	2.532608	15.13538	408.9199

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.01010	405.1819	2.508608	1.274083	403.8388	2.490307	15.19814
Stddev	.04315	1.8091	.010947	.004039	1.4466	.009164	.09894
%RSD	.2874967	.4464847	.4363789	.3170130	.3582018	.3679977	.6509836

#1	15.03547	407.2618	2.508333	1.278469	405.5068	2.500825	15.24516
#2	15.03455	404.3100	2.497801	1.273264	403.0807	2.484046	15.08446
#3	14.96027	403.9739	2.519690	1.270516	402.9288	2.486049	15.26479

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	152.8847	5.122077	4.906644	4.904367	5.093334	4.918633	5.030341
Stddev	.5146	.027198	.016092	.008206	.031642	.036151	.024247
%RSD	.3365695	.5309932	.3279718	.1673192	.6212434	.7349807	.4820210

#1	153.4516	5.134924	4.915748	4.897643	5.110918	4.919801	5.022340
#2	152.7552	5.090836	4.916120	4.901946	5.056805	4.954186	5.011104
#3	152.4472	5.140472	4.888063	4.913511	5.112278	4.881912	5.057577

Sample Name: CCV052 Acquired: 7/2/2018 14:36:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCV052 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.013711	5.089852	5.094109
Stddev	.016327	.017900	.013972
%RSD	.3256547	.3516794	.2742772

#1	5.024818	5.110346	5.108239
#2	5.021351	5.081924	5.093787
#3	4.994964	5.077284	5.080301

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1505.278	1990.771	43212.17	5230.699	2353.208
Stddev	10.196	2.113	258.75	34.897	8.734
%RSD	.6773771	.1061482	.5987898	.6671489	.3711371

#1	1495.359	1990.417	42927.70	5198.703	2353.057
#2	1515.731	1993.039	43433.50	5225.484	2362.016
#3	1504.744	1988.858	43275.32	5267.909	2344.551

Sample Name: CCB052 Acquired: 7/2/2018 14:40:02 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCB052 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021447	-.000876	.0008361	-.001792	-.001305	-.010626
Stddev	.0013138	.002242	.0007248	.005818	.001721	.011290
%RSD	61.25742	255.8047	86.69361	324.6697	131.9508	106.2566

#1	.0011682	-.002854	.0002884	-.003003	-.002037	-.014261
#2	.0016275	.001559	.0005618	-.006910	.000662	-.019650
#3	.0036383	-.001335	.0016580	.004536	-.002539	.002035

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000766	-.000015	.0001159	.0021579	.0002367	-.000256
Stddev	.000284	.000023	.0001093	.0083705	.0001351	.000056
%RSD	37.14600	150.0645	94.27878	387.8993	57.10008	21.86665

#1	-.000457	-.000038	.0002393	-.004772	.0002356	-.000192
#2	-.001018	-.000016	.0000312	.011458	.0001021	-.000298
#3	-.000822	.000008	.0000773	-.000212	.0003724	-.000278

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000629	.0285869	-.000005	.0231595	.0000488	-.000102
Stddev	.000451	.0034617	.000577	.0034385	.0005406	.000536
%RSD	71.71037	12.10933	12795.88	14.84701	1108.892	526.3019

#1	-.000157	.0325015	-.000478	.0247266	.0006211	-.000516
#2	-.000674	.0259297	-.000173	.0255353	-.000021	-.000294
#3	-.001055	.0273294	.000638	.0192166	-.000453	.000504

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.133841	-.000409	-.008153	-.149822	.0024460	F .0112952
Stddev	.141195	.003557	.009029	.051830	.0048128	.0006861
%RSD	105.4951	869.4889	110.7479	34.59409	196.7609	6.074030

#1	-.035243	-.002352	.002215	-.151726	-.002776	.0116864
#2	-.295590	.003696	-.012383	-.200673	.006704	.0116961
#3	-.070690	-.002571	-.014291	-.097067	.003410	.0105030

Sample Name: CCB052 Acquired: 7/2/2018 14:40:02 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCB052 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000062	-.109900	-.003746	-.000315	.0000417	-.000657
Stddev	.000294	.000983	.000325	.000832	.0023518	.001044
%RSD	471.2765	.8945992	8.671772	264.1379	5646.711	159.0144

#1	-.000267	-.109482	-.003705	.000236	-.001964	-.001621
#2	.000274	-.109195	-.004090	.000091	-.000541	.000452
#3	-.000194	-.111023	-.003445	-.001272	.002630	-.000801

Elem	Sr4077
Units	ppm
Avg	-.000064
Stddev	.000078
%RSD	121.6251

#1	-.000143
#2	-.000061
#3	.000012

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1785.009	2348.755	48870.94	5460.653	3110.271
Stddev	4.554	8.690	65.65	10.009	16.261
%RSD	.2551372	.3699699	.1343308	.1832844	.5228163

#1	1789.383	2353.886	48895.55	5454.460	3119.411
#2	1780.294	2353.656	48796.54	5455.300	3119.904
#3	1785.350	2338.722	48920.72	5472.200	3091.496

Sample Name: J3657-14 Acquired: 7/2/2018 14:48:31 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MJHRY8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.071797	-.011142	.3679529	F -1.02071	.1552496	21.00043
Stddev	.004493	.004310	.0021289	.01185	.0023219	.04763
%RSD	6.257456	38.68309	.5785747	1.161119	1.495566	.2267822

#1	-.069459	-.007579	.3673549	-1.02149	.1567415	20.94593
#2	-.068954	-.015933	.3703168	-1.00849	.1564328	21.02134
#3	-.076976	-.009914	.3661870	-1.03215	.1525745	21.03403

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0571630	.0432560	.1035100	3.741025	-.282492	.2733414
Stddev	.0003600	.0004929	.0026348	.410572	.003173	.0016521
%RSD	.6298047	1.139558	2.545492	10.97485	1.123074	.6044176

#1	.0575358	.0438224	.1006337	4.073071	-.282539	.2724388
#2	.0571359	.0430211	.1040894	3.281952	-.279297	.2723373
#3	.0568173	.0429243	.1058070	3.868053	-.285642	.2752483

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1761827	F 4674.007	20.92525	2.687544	.2841293	^ *****
Stddev	.0012231	25.818	.04495	.079888	.0033511	-----
%RSD	.6942031	.5523785	.2148004	2.972541	1.179437	-----

#1	.1751661	4679.206	20.89084	2.651971	.2808570	^ -----
#2	.1758419	4645.985	20.90879	2.779040	.2839769	^ -----
#3	.1775400	4696.830	20.97610	2.631621	.2875541	^ -----

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.83822	.3708373	-.726014	-.035666	4.153855	^ *****
Stddev	.20363	.0093432	.003084	.011809	.048965	-----
%RSD	1.586150	2.519493	.4247171	33.11153	1.178788	-----

#1	12.72806	.3786651	-.723025	-.045246	4.106000	^ -----
#2	13.07321	.3733530	-.725833	-.039279	4.151705	^ -----
#3	12.71341	.3604938	-.729184	-.022472	4.203859	^ -----

Sample Name: J3657-14 Acquired: 7/2/2018 14:48:31 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MJHRY8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008928	9.202982	3.757948	-.012762	1.361779	.0125659
Stddev	.000560	.093669	.005944	.002042	.001980	.0007807
%RSD	6.274899	1.017809	.1581807	15.99974	.1454033	6.212571

#1	-.009402	9.134863	3.764127	-.011249	1.359603	.0129446
#2	-.008310	9.164284	3.752270	-.015085	1.362261	.0116681
#3	-.009071	9.309799	3.757447	-.011953	1.363474	.0130849

Elem	Sr4077
Units	ppm
Avg	.0178382
Stddev	.0001055
%RSD	.5911432

#1	.0178416
#2	.0177312
#3	.0179420

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1472.305	1973.817	42819.26	5113.822	2290.466
Stddev	7.825	7.900	93.35	6.340	7.811
%RSD	.5314978	.4002499	.2180058	.1239814	.3410413

#1	1480.524	1972.580	42920.55	5121.010	2296.020
#2	1471.447	1982.262	42736.70	5111.432	2293.844
#3	1464.944	1966.608	42800.53	5109.025	2281.534

Sample Name: J3725-01A Acquired: 7/2/2018 15:12:37 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MGA AH2A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1151735	.0041916	.2762327	.0582036	.0037811	120.2728	3.074992
Stddev	.0010692	.0044754	.0062521	.0017260	.0025738	.4492	.005232
%RSD	.9283637	106.7721	2.263338	2.965515	68.06900	.3734578	.1701318

#1	.1160928	.0087375	.2708697	.0589276	.0055626	119.8377	3.075654
#2	.1154276	.0040471	.2747288	.0562334	.0049504	120.2459	3.069461
#3	.1140001	-.000210	.2830995	.0594496	.0008303	120.7348	3.079861

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0102111	.0140147	142.4827	.1535865	.1691893	.2381940	234.6874
Stddev	.0001688	.0007363	.4834	.0017419	.0044956	.0030490	1.8356
%RSD	1.653412	5.254135	.3392764	1.134165	2.657121	1.280048	.7821403

#1	.0104038	.0133594	142.2468	.1523516	.1645173	.2401107	232.5709
#2	.0100894	.0138732	142.1625	.1528288	.1695661	.2397932	235.8442
#3	.0101400	.0148116	143.0388	.1555789	.1734847	.2346781	235.6472

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.92699	45.93701	.4206561	-.003004	2.050455	.3461392	.7487595
Stddev	.04364	.36647	.0132527	.000577	.238815	.0090574	.0448778
%RSD	.3658530	.7977625	3.150489	19.20902	11.64695	2.616701	5.993626

#1	11.88265	45.53345	.4075142	-.003669	1.935570	.3368682	.7492835
#2	11.92846	46.02856	.4204372	-.002703	1.890793	.3465824	.7036219
#3	11.96988	46.24903	.4340169	-.002639	2.325000	.3549668	.7933730

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.79720	9.719249	.0495347	.0138679	.7580301	31.90289	.0128769
Stddev	.05363	.306896	.0058814	.0004410	.0260136	.07309	.0033555
%RSD	.1929159	3.157608	11.87327	3.179828	3.431738	.2290926	26.05859

#1	27.74767	9.403646	.0428077	.0133614	.7281113	31.91299	.0166054
#2	27.78979	9.737477	.0537052	.0140755	.7753042	31.82528	.0100998
#3	27.85415	10.01662	.0520913	.0141667	.7706747	31.97041	.0119254

Sample Name: J3725-01A Acquired: 7/2/2018 15:12:37 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MGAAH2A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.390800	.1305053	.6707973
Stddev	.003147	.0027013	.0013745
%RSD	.2262773	2.069857	.2049048

#1	1.388456	.1336189	.6701165
#2	1.394377	.1291098	.6698960
#3	1.389568	.1287872	.6723793

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1470.404	1887.381	40589.45	4728.004	1867.452
Stddev	11.161	37.695	79.03	17.380	49.448
%RSD	.7590306	1.997216	.1946951	.3675973	2.647896

#1	1477.042	1924.257	40594.30	4708.956	1913.937
#2	1476.651	1888.968	40665.93	4743.000	1872.924
#3	1457.518	1848.917	40508.11	4732.057	1815.495

Sample Name: J3727-01A Acquired: 7/2/2018 15:35:32 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MGAAJ2A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0555706	.0005062	.0715290	.0570104	.0015767	45.96509	1.103986
Stddev	.0053953	.0045381	.0035343	.0030292	.0018095	.02626	.000908
%RSD	9.708903	896.4825	4.941080	5.313505	114.7628	.0571332	.0822765

#1	.0530508	.0055993	.0680662	.0598076	-.000406	45.99314	1.104548
#2	.0617648	-.003108	.0713901	.0537929	.001997	45.96104	1.104471
#3	.0518962	-.000973	.0751307	.0574307	.003139	45.94109	1.102938

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039386	.0027975	114.3203	.0525236	.0646415	.0746686	83.65436
Stddev	.0000966	.0001208	.0790	.0005663	.0005361	.0015366	.06860
%RSD	2.453245	4.318135	.0690620	1.078225	.8293378	2.057918	.0819995

#1	.0038438	.0028693	114.4022	.0526891	.0640229	.0761764	83.72074
#2	.0039351	.0026580	114.2447	.0518930	.0649314	.0747248	83.65860
#3	.0040370	.0028651	114.3140	.0529888	.0649702	.0731047	83.58374

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.032878	34.40551	.1200211	-.001092	1.624269	.1305972	.2654858
Stddev	.011833	.04243	.0005853	.000304	.090855	.0049027	.0061800
%RSD	.2934236	.1233296	.4876684	27.83455	5.593566	3.754052	2.327822

#1	4.040309	34.45402	.1194021	-.000864	1.717437	.1297317	.2722107
#2	4.019232	34.37529	.1205656	-.000974	1.535919	.1358751	.2600559
#3	4.039094	34.38721	.1200957	-.001437	1.619451	.1261849	.2641907

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.27236	3.594721	.0355436	.0030849	.2205051	15.11049	-.000598
Stddev	.09035	.007245	.0017410	.0001712	.0041226	.02932	.002553
%RSD	.6807361	.2015357	4.898081	5.549931	1.869626	.1940643	426.9318

#1	13.36467	3.601148	.0373706	.0032561	.2207662	15.12367	-.002615
#2	13.18410	3.596145	.0339038	.0030851	.2162581	15.13090	-.001451
#3	13.26832	3.586870	.0353565	.0029136	.2244909	15.07688	.002272

Sample Name: J3727-01A Acquired: 7/2/2018 15:35:32 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MGAAJ2A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6938453	.0579377	.3789396
Stddev	.0023314	.0005833	.0001551
%RSD	.3360052	1.006786	.0409407

#1	.6939879	.0586097	.3788694
#2	.6914459	.0575620	.3791174
#3	.6961021	.0576414	.3788320

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1886.916	2504.399	52327.39	6088.176	2874.893
Stddev	7.471	6.412	19.32	12.781	10.415
%RSD	.3959623	.2560368	.0369179	.2099242	.3622832

#1	1891.442	2500.557	52322.75	6094.117	2867.541
#2	1878.293	2511.802	52310.82	6073.506	2886.811
#3	1891.015	2500.840	52348.61	6096.905	2870.325

Sample Name: J3730-01A Acquired: 7/2/2018 15:39:40 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MGAACK5A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0300655	.0004885	.1829432	.0668072	-.000591	33.45518	1.240655
Stddev	.0022697	.0019578	.0020672	.0066557	.001310	.15806	.002971
%RSD	7.549217	400.7954	1.129972	9.962491	221.5513	.4724433	.2394505

#1	.0304146	.0027164	.1817674	.0720142	-.000742	33.28695	1.237396
#2	.0276415	-.000293	.1853301	.0593085	.000788	33.60059	1.241357
#3	.0321405	-.000958	.1817320	.0690989	-.001820	33.47801	1.243211

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026887	.0024407	37.44052	.0437959	.0283778	.0466731	49.09736
Stddev	.0001013	.0000636	.16415	.0003846	.0004907	.0016946	.31229
%RSD	3.768296	2.606817	.4384316	.8781160	1.729256	3.630803	.6360539

#1	.0027811	.0025085	37.26228	.0435932	.0287426	.0484378	48.74904
#2	.0025803	.0024313	37.47380	.0435551	.0278199	.0465227	49.35230
#3	.0027047	.0023823	37.58548	.0442394	.0285708	.0450586	49.19074

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.428723	11.46560	.0595734	-.000916	.8020374	.0902770	.3837958
Stddev	.000892	.12590	.0002881	.000278	.1345900	.0014358	.0200123
%RSD	.0367380	1.098091	.4836781	30.35097	16.78101	1.590429	5.214314

#1	2.428491	11.32682	.0598195	-.001143	.7041764	.0905333	.3788980
#2	2.427969	11.57250	.0592564	-.000998	.7464123	.0887303	.4058024
#3	2.429708	11.49749	.0596443	-.000606	.9555235	.0915674	.3666871

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.476239	2.491374	.0253887	.0021677	1.159737	11.94306	.0028093
Stddev	.027076	.012978	.0002852	.0005025	.011093	.04193	.0013060
%RSD	.3194310	.5209126	1.123510	23.18085	.9564895	.3510409	46.48817

#1	8.445313	2.486415	.0257117	.0027300	1.146956	11.90677	.0020981
#2	8.487729	2.481608	.0252833	.0017625	1.166859	11.93345	.0043165
#3	8.495674	2.506101	.0251712	.0020107	1.165395	11.98895	.0020132

Sample Name: J3730-01A Acquired: 7/2/2018 15:39:40 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MGAACK5A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5630551	.0347755	.2042063
Stddev	.0004514	.0012676	.0007530
%RSD	.0801694	3.645060	.3687482

#1	.5625680	.0356977	.2033370
#2	.5634593	.0352987	.2046276
#3	.5631379	.0333300	.2046544

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1897.129	2518.211	52410.45	6046.443	3030.875
Stddev	8.399	9.245	97.31	37.048	11.363
%RSD	.4427275	.3671395	.1856615	.6127187	.3748956

#1	1888.373	2522.004	52373.50	6079.651	3033.956
#2	1905.119	2524.957	52520.82	6053.194	3040.379
#3	1897.895	2507.672	52337.03	6006.484	3018.289

Sample Name: J3723-01A Acquired: 7/2/2018 15:43:47 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MGAAF8A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0271223	.0013515	.0387057	.0755915	-.000940	28.30983	1.165104
Stddev	.0023125	.0030183	.0031205	.0065091	.001097	.02338	.000292
%RSD	8.526146	223.3307	8.062040	8.610864	116.6903	.0825912	.0250695

#1	.0249984	.0047318	.0360323	.0830916	-.000115	28.28940	1.164800
#2	.0295858	-.001074	.0421345	.0714175	-.002185	28.30477	1.165382
#3	.0267827	.000397	.0379503	.0722655	-.000521	28.33533	1.165130

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020280	.0009121	143.6962	.0274888	.0156685	.0264479	32.68683
Stddev	.0000569	.0001021	.2296	.0005555	.0001604	.0008712	.10751
%RSD	2.807235	11.18789	.1598130	2.020745	1.023641	3.293977	.3289039

#1	.0020730	.0009846	143.9109	.0280528	.0157864	.0265059	32.56779
#2	.0019640	.0009564	143.7236	.0269422	.0157333	.0255492	32.71587
#3	.0020470	.0007954	143.4541	.0274714	.0154859	.0272887	32.77683

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.662676	9.488731	.0366479	-.000697	.3094918	.0720593	.0825444
Stddev	.009588	.016245	.0004774	.000319	.1778042	.0025879	.0097387
%RSD	.2617741	.1712051	1.302767	45.71554	57.45037	3.591355	11.79809

#1	3.664332	9.507354	.0360973	-.001006	.5043525	.0731917	.0732088
#2	3.671329	9.481369	.0368991	-.000718	.2680643	.0738879	.0926415
#3	3.652369	9.477470	.0369473	-.000369	.1560587	.0690982	.0817829

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.678301	1.930793	.0188284	.0016003	.5044788	16.29399	-.001342
Stddev	.035128	.016671	.0017375	.0001425	.0046549	.05896	.000393
%RSD	.5260066	.8634522	9.228159	8.902192	.9227040	.3618331	29.30351

#1	6.661967	1.913041	.0171738	.0015091	.4995003	16.36017	-.001630
#2	6.654314	1.933220	.0206384	.0017645	.5052134	16.24706	-.001502
#3	6.718623	1.946117	.0186730	.0015273	.5087226	16.27475	-.000894

Sample Name: J3723-01A Acquired: 7/2/2018 15:43:47 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MGAAF8A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4525097	.0301821	.3231040
Stddev	.0017381	.0008480	.0004371
%RSD	.3840918	2.809760	.1352954

#1	.4520003	.0296563	.3234242
#2	.4510833	.0311604	.3226059
#3	.4544456	.0297295	.3232818

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1858.807	2452.350	51335.97	5990.793	2943.490
Stddev	6.339	5.767	125.80	28.145	9.928
%RSD	.3410180	.2351600	.2450456	.4698030	.3373027

#1	1852.420	2450.903	51190.74	5959.313	2946.548
#2	1858.903	2458.702	51411.07	6013.525	2951.530
#3	1865.097	2447.444	51406.11	5999.542	2932.392

Sample Name: J3657-14DLX10 Acquired: 7/2/2018 15:47:55 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: MJHRY8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001832	.0110045	.0318716	-.086603	.0100249	2.007352	.0050147
Stddev	.003297	.0014454	.0008349	.004594	.0006632	.010199	.0011793
%RSD	179.9451	13.13431	2.619448	5.304216	6.615388	.5080593	23.51630

#1	-.001171	.0098186	.0317395	-.091670	.0098229	1.995581	.0055796
#2	-.005410	.0105804	.0311107	-.085428	.0107655	2.013542	.0058053
#3	.001084	.0126145	.0327647	-.082711	.0094861	2.012933	.0036593

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049349	.0040518	-.098678	-.031688	.0249606	.0195652	520.5923
Stddev	.0001277	.0001596	.056589	.000790	.0005342	.0022428	1.5429
%RSD	2.586662	3.938969	57.34728	2.492113	2.140251	11.46328	.2963657

#1	.0050820	.0042109	-.110278	-.032583	.0243514	.0213220	522.1133
#2	.0048537	.0040529	-.148569	-.031390	.0253491	.0203348	520.6352
#3	.0048689	.0038917	-.037188	-.031091	.0251812	.0170390	519.0285

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.155828	.2815903	.0284916	-.009955	1.288343	.0356387	-.093144
Stddev	.005301	.0053081	.0004386	.001189	.162032	.0017933	.009839
%RSD	.2459150	1.885051	1.539492	11.94846	12.57679	5.031874	10.56357

#1	2.150375	.2802366	.0288197	-.008711	1.390280	.0337213	-.084099
#2	2.156146	.2874443	.0279934	-.010073	1.373246	.0359200	-.103621
#3	2.160964	.2770902	.0286618	-.011081	1.101503	.0372746	-.091712

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.171687	.3894743	-.002286	-.000948	.8120413	.3982802	-.001920
Stddev	.075842	.0025152	.003578	.000377	.0036301	.0027308	.001906
%RSD	44.17430	.6457881	156.5128	39.77350	.4470308	.6856448	99.26685

#1	-.089757	.3877982	-.006414	-.000620	.8157854	.4001317	-.001700
#2	-.185864	.3923664	-.000069	-.000862	.8118013	.3995649	-.003926
#3	-.239440	.3882583	-.000375	-.001360	.8085371	.3951440	-.000133

Sample Name: J3657-14DLX10 Acquired: 7/2/2018 15:47:55 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
 User: JASWAL Custom ID1: MJHRY8 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1324520	.0000687	.0016789
Stddev	.0007795	.0010045	.0000953
%RSD	.5884994	1462.573	5.677964

#1	.1316467	-.000104	.0017763
#2	.1325066	.001148	.0016746
#3	.1332028	-.000838	.0015858

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1741.738	2302.613	48010.88	5546.600	2980.782
Stddev	12.197	12.152	135.19	5.945	7.498
%RSD	.7002709	.5277338	.2815851	.1071795	.2515473

#1	1728.253	2313.118	47960.04	5541.359	2983.267
#2	1752.000	2305.416	48164.13	5553.059	2986.722
#3	1744.960	2289.305	47908.48	5545.381	2972.357

Sample Name: CCV053 Acquired: 7/2/2018 15:52:05 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCV053 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.049313	5.033089	25.08928	4.949822	5.041014	411.2111	10.24929
Stddev	.038256	.007116	.05475	.044546	.021515	.5356	.01094
%RSD	.7576441	.1413878	.2182066	.8999601	.4267949	.1302506	.1067004

#1	5.022164	5.039820	25.04009	4.922933	5.026856	411.2229	10.24275
#2	5.032711	5.033805	25.07948	4.925290	5.030415	410.6697	10.24320
#3	5.093066	5.025641	25.14826	5.001241	5.065772	411.7407	10.26191

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5048923	2.521184	412.7177	15.29310	2.545177	15.35707	412.3354
Stddev	.0013482	.006349	.4213	.02161	.005139	.00980	.9138
%RSD	.2670284	.2518254	.1020904	.1413120	.2019066	.0637986	.2216179

#1	.5062224	2.515604	413.1045	15.26827	2.543772	15.34761	413.3224
#2	.5049277	2.519856	412.2687	15.30772	2.540887	15.36718	411.5188
#3	.5035267	2.528092	412.7799	15.30330	2.550873	15.35642	412.1650

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.06883	407.6563	2.541571	1.287708	406.9437	2.508277	15.37029
Stddev	.02374	.7755	.005705	.005864	.8930	.008402	.05236
%RSD	.1575177	.1902435	.2244682	.4553880	.2194309	.3349540	.3406826

#1	15.08904	407.7935	2.539323	1.294040	407.2361	2.515814	15.31780
#2	15.07476	406.8214	2.537333	1.282465	405.9412	2.499219	15.42253
#3	15.04269	408.3542	2.548058	1.286619	407.6539	2.509798	15.37053

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	154.0794	5.377043	4.973567	4.958657	5.248539	4.978551	5.097580
Stddev	.1374	.002428	.025896	.028153	.034705	.033122	.014813
%RSD	.0891638	.0451521	.5206643	.5677610	.6612408	.6652984	.2905846

#1	154.1822	5.377331	4.998273	4.930405	5.209150	5.015149	5.083300
#2	153.9234	5.374484	4.975801	4.958856	5.261842	4.969869	5.096566
#3	154.1326	5.379314	4.946627	4.986711	5.274625	4.950635	5.112873

Sample Name: CCV053 Acquired: 7/2/2018 15:52:05 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
 User: JASWAL Custom ID1: CCV053 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	5.063998	5.112968	5.146561
Stddev	.012281	.002434	.004147
%RSD	.2425065	.0476097	.0805711

#1	5.077840	5.110544	5.150565
#2	5.059745	5.112948	5.142285
#3	5.054410	5.115412	5.146832

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1496.175	1970.824	42838.53	5204.468	2329.673
Stddev	9.558	10.523	162.06	24.181	1.997
%RSD	.6388445	.5339608	.3783086	.4646128	.0857404

#1	1505.275	1981.393	43008.78	5176.731	2331.617
#2	1497.035	1970.735	42820.70	5221.112	2329.776
#3	1486.217	1960.346	42686.13	5215.560	2327.626

Sample Name: CCB053 Acquired: 7/2/2018 15:55:53 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCB053 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040453	-.001592	.0016769	.0041569	-.003126	-.005865	-.001355
Stddev	.0069288	.000746	.0002881	.0039172	.000200	.005365	.000749
%RSD	171.2775	46.86525	17.17895	94.23416	6.405767	91.48408	55.28974

#1	-.003918	-.001024	.0015833	.0002314	-.003354	-.010230	-.001095
#2	.008695	-.002437	.0014473	.0080658	-.002979	-.007488	-.000771
#3	.007359	-.001315	.0020002	.0041734	-.003046	.000125	-.002200

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000048	-.000035	-.000790	-.000189	.0001129	-.002551	.0120947
Stddev	.0000356	.000026	.001675	.000173	.0003897	.002595	.0081028
%RSD	751.1937	74.83617	211.9483	91.49829	345.3276	101.7105	66.99501

#1	.0000115	-.000009	-.001708	-.000007	.0004094	-.001822	.0088776
#2	-.000034	-.000035	-.001805	-.000209	-.000329	-.005432	.0213120
#3	.000037	-.000061	.001143	-.000352	.000258	-.000399	.0060944

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001815	-.034272	.0000300	-.000162	-.124200	-.001401	.0026534
Stddev	.001952	.035318	.0001711	.000276	.437657	.002817	.0027439
%RSD	107.5634	103.0543	570.6241	170.3613	352.3805	201.0015	103.4131

#1	-.002098	-.059975	.0001293	-.000220	.369905	.000973	-.000317
#2	.000263	-.048840	.0001282	.000138	-.279391	-.004514	.003184
#3	-.003611	.006001	-.000168	-.000405	-.463115	-.000663	.005093

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.120104	.0028560	.0069383	.0001163	-.108368	-.002877	.0001256
Stddev	.044976	.0026885	.0007081	.0003584	.003599	.000605	.0015446
%RSD	37.44739	94.13415	10.20555	308.1592	3.321128	21.04318	1229.536

#1	-.168563	-.000246	.0075548	.0005186	-.108692	-.003255	.0015378
#2	-.112049	.004511	.0061649	-.000169	-.111793	-.002178	.0003630
#3	-.079700	.004303	.0070953	-.000001	-.104617	-.003197	-.001524

Sample Name: CCB053 Acquired: 7/2/2018 15:55:53 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v590) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCB053 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0003224	-.000432	-.000041
Stddev	.0007243	.001851	.000068
%RSD	224.6411	428.6217	164.3450

#1	.0005325	-.001486	-.000045
#2	.0009185	.001706	-.000107
#3	-.000484	-.001516	.000029

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1768.683	2332.981	48522.79	5524.463	3084.313
Stddev	11.020	9.339	212.78	12.338	16.696
%RSD	.6230795	.4003078	.4385165	.2233382	.5413251

#1	1757.000	2331.023	48522.87	5517.420	3084.236
#2	1770.156	2343.144	48309.97	5538.710	3101.048
#3	1778.892	2324.777	48735.53	5517.260	3067.656