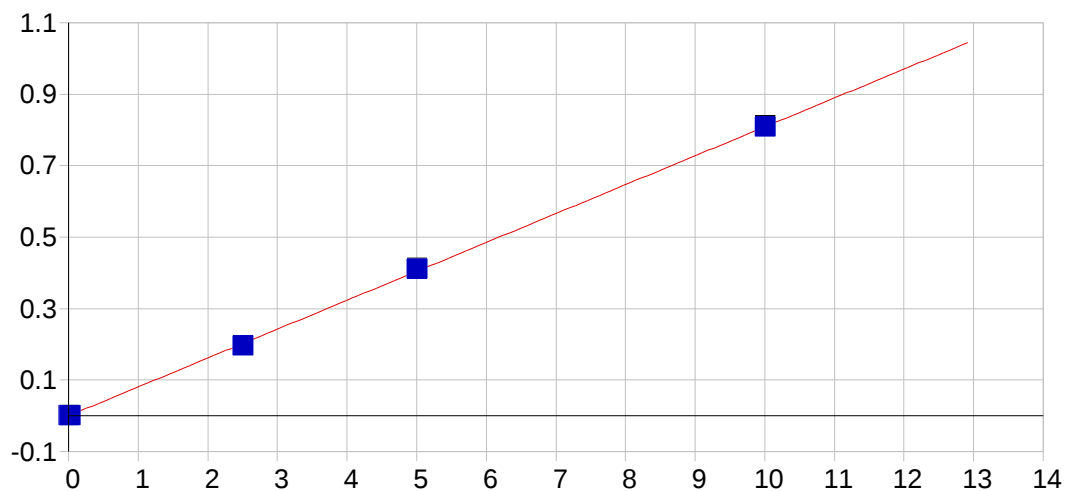




As 189.042 {478}

Date of Fit: 6/20/2019 16:40:23

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000121

Re-Slope: 1.000000

A1 (Gain): 0.080868

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999844

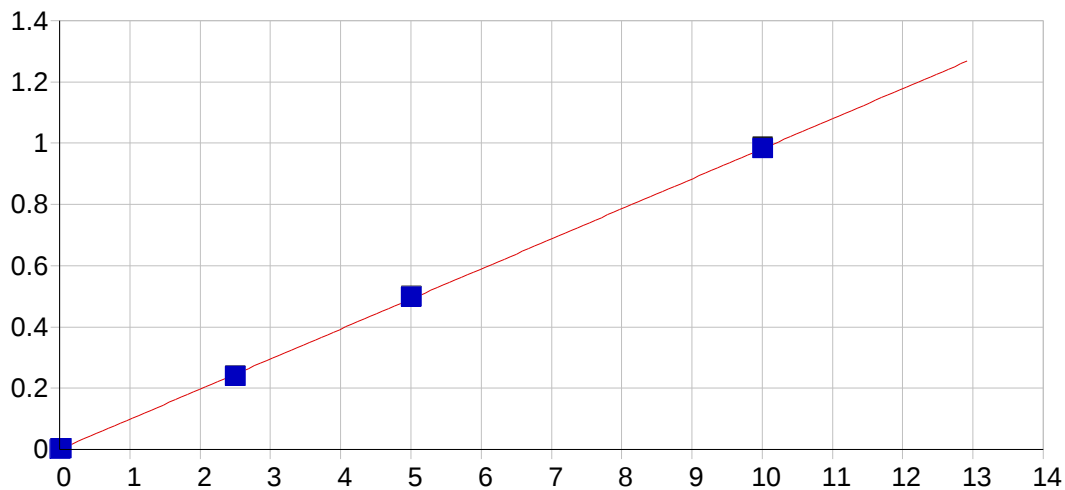
Status: OK.

Std Error of Est: 0.000034

Predicted MDL: 0.003584

Predicted MQL: 0.011946

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00012	.000	1
S1	.02000	.01440	-.006	-28.0	.00104	.000	1
S3	2.5000	2.4201	-.080	-3.19	.19558	.001	1
S4	5.0000	5.0819	.082	1.64	.41082	.002	1
S5	10.000	10.004	.004	.036	.80880	.002	1



As 189.042 {479}

Date of Fit: 6/20/2019 16:40:23

Type of Fit: Linear

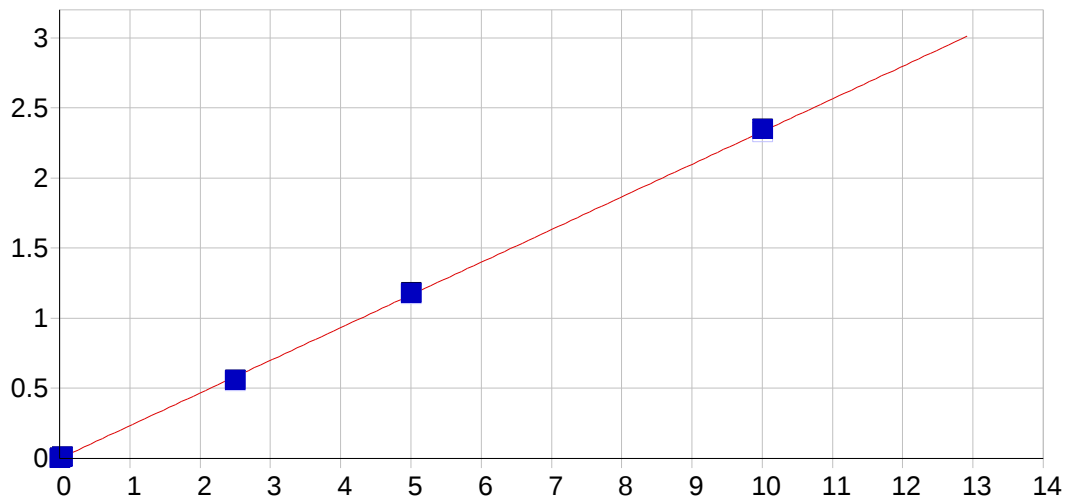
Weighting: 1/Conc

A0 (Offset): 0.000621

Re-Slope: 1.000000

A1 (Gain): 0.098104 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999893 Status: OK.
 Std Error of Est: 0.000035
 Predicted MDL: 0.002443
 Predicted MQL: 0.008144

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00062	.000	1
S1	.02000	.01904	-.001	-4.79	.00249	.000	1
S3	2.5000	2.4177	-.082	-3.29	.23781	.000	1
S4	5.0000	5.0703	.070	1.41	.49804	.001	1
S5	10.000	10.013	.013	.129	.98294	.003	1

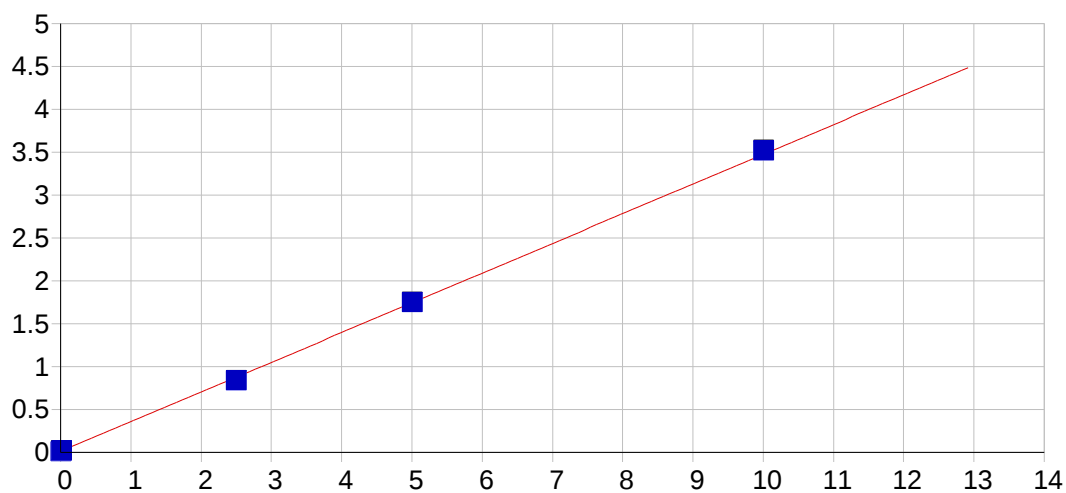


TI 190.856 {477}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000600 Re-Slope: 1.000000
 A1 (Gain): 0.233109 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999801 Status: OK.
 Std Error of Est: 0.000157
 Predicted MDL: 0.001132
 Predicted MQL: 0.003773

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00060	.000	1
S1	.04000	.03752	-.002	-6.19	.00910	.000	1
S3	2.5000	2.3812	-.119	-4.75	.54971	.002	1
S4	5.0000	5.0536	.054	1.07	1.1667	.002	1
S5	10.000	10.068	.068	.676	2.3235	.001	1

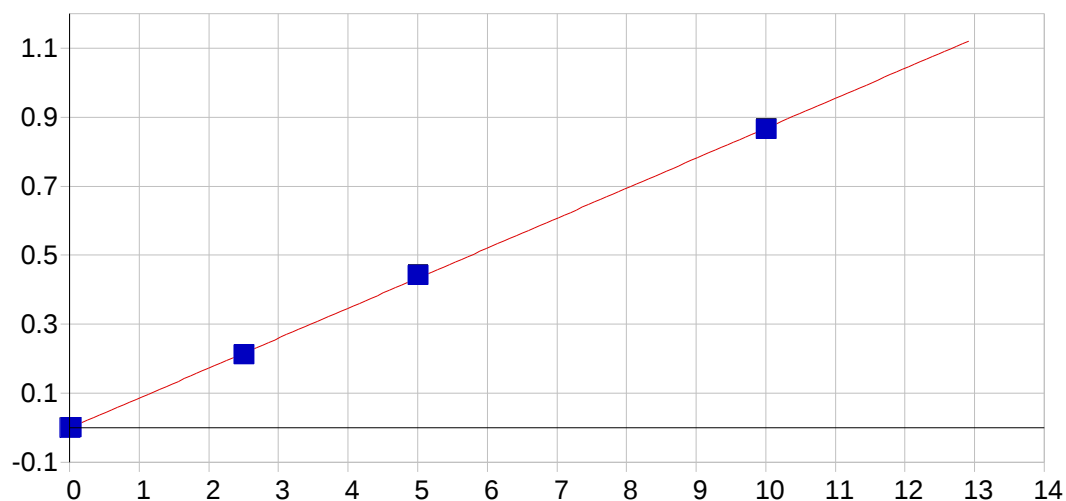


Pb 220.353 {453}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.011087 Re-Slope: 1.000000
 A1 (Gain): 0.346436 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999764 Status: OK.
 Std Error of Est: 0.000141
 Predicted MDL: 0.001092
 Predicted MQL: 0.003639

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.01109	.000	1
S1	.01200	.01025	-.002	-14.6	.01456	.000	1
S3	2.5000	2.3718	-.128	-5.13	.83159	.002	1
S4	5.0000	5.0117	.012	.234	1.7450	.002	1
S5	10.000	10.118	.118	1.18	3.5117	.002	1



Se 196.090 {472}

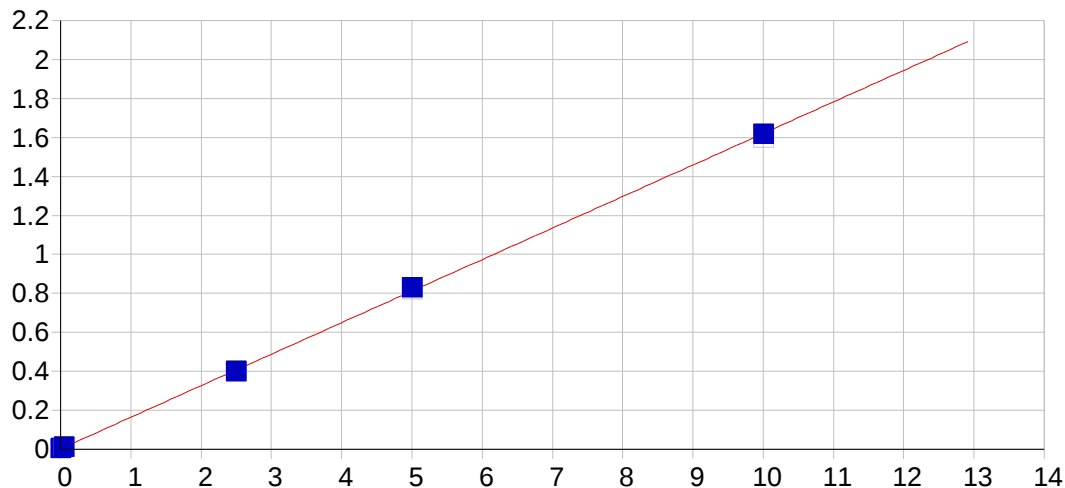
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000971 Re-Slope: 1.000000
 A1 (Gain): 0.086884 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999900
 Std Error of Est: 0.000030
 Predicted MDL: 0.003421
 Predicted MQL: 0.011404

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00097	.000	1
S1	.02000	.01885	-.001	-5.77	.00067	.000	1
S3	2.5000	2.4416	-.058	-2.34	.21112	.001	1
S4	5.0000	5.0983	.098	1.97	.44189	.001	1
S5	10.000	9.9613	-.039	-.387	.86431	.001	1



Sb 206.833 {463}

Date of Fit: 6/20/2019 16:40:23

Type of Fit: Linear

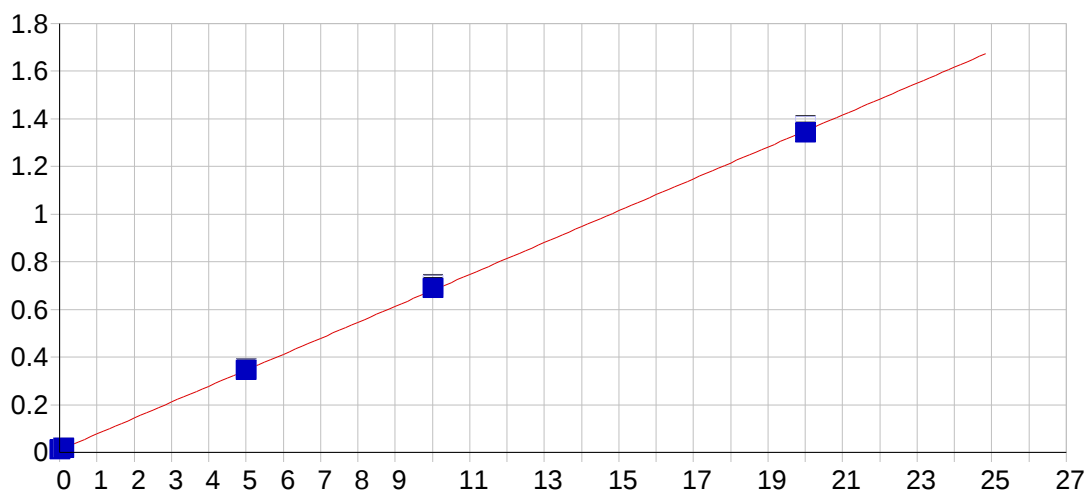
Weighting: 1/Conc

A0 (Offset): 0.002761
 A1 (Gain): 0.161779
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999900
 Std Error of Est: 0.000086
 Predicted MDL: 0.002277
 Predicted MQL: 0.007590

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	.00276	.000	1
S1	.05000	.04960	-.000	-.803	.01058	.000	1
S3	2.5000	2.4424	-.058	-2.30	.39334	.001	1
S4	5.0000	5.0982	.098	1.96	.81844	.001	1
S5	10.000	9.9599	-.040	-.401	1.5959	.001	1

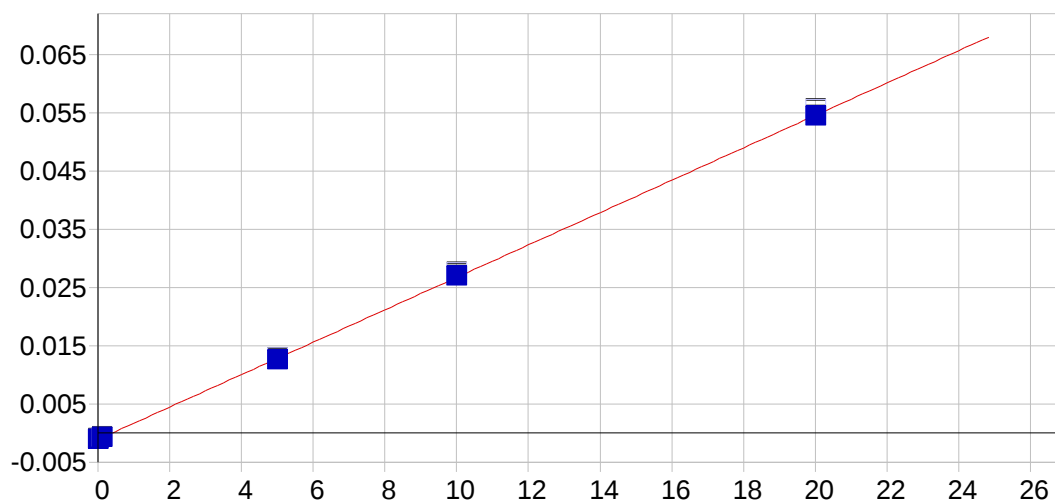


AI 308.215 {109}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.010101 Re-Slope: 1.000000
 A1 (Gain): 0.066955 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999967 Status: OK.
 Std Error of Est: 0.000043
 Predicted MDL: 0.003102
 Predicted MQL: 0.010339

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.01010	.000	1
S1	.10000	.10348	.003	3.48	.01749	.000	1
S3	5.0000	4.9832	-.017	-.335	.35042	.000	1
S4	10.000	10.127	.127	1.27	.70150	.001	1
S5	20.000	19.886	-.114	-.570	1.3682	.002	1



AI 309.271 {109}

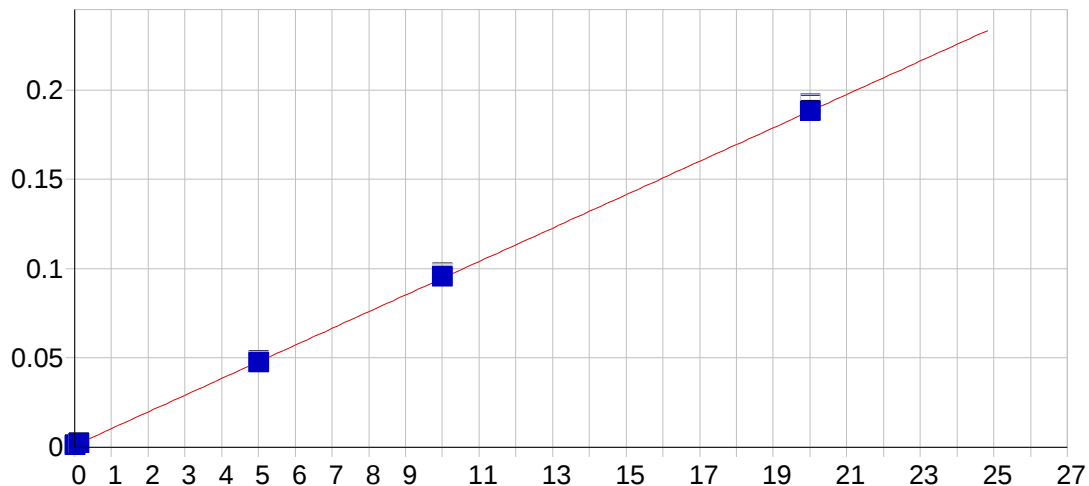
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001077 Re-Slope: 1.000000
 A1 (Gain): 0.002781 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999752
 Std Error of Est: 0.000005
 Predicted MDL: 0.044254
 Predicted MQL: 0.147512

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00004	-.000	.000	-.00108	.000	1
S1	.10000	.13997	.040	40.0	-.00067	.000	1
S3	5.0000	4.9139	-.086	-1.72	.01286	.000	1
S4	10.000	10.078	.078	.784	.02750	.000	1
S5	20.000	19.966	-.034	-.171	.05555	.000	1

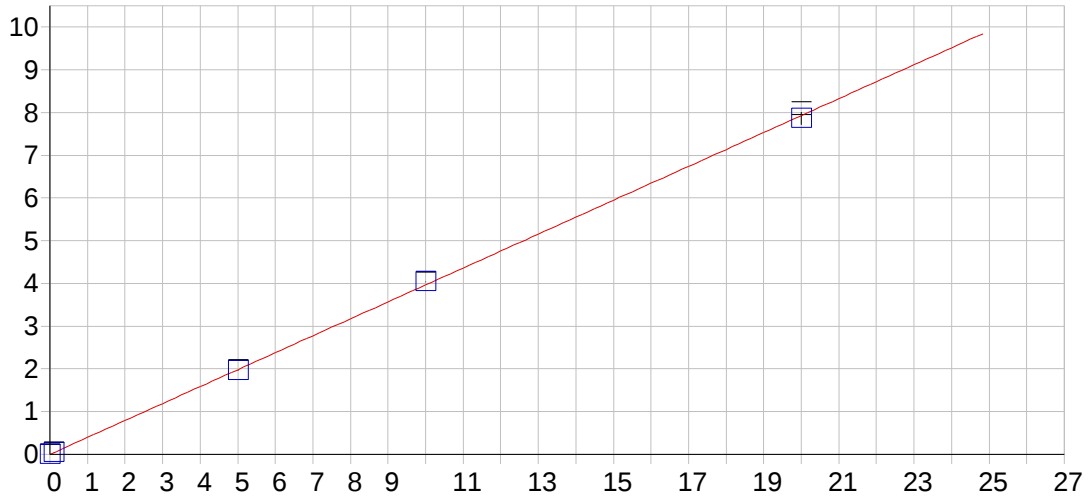


AI 396.152 { 85}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001108 Re-Slope: 1.000000
 A1 (Gain): 0.009351 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999975 Status: OK.
 Std Error of Est: 0.000005
 Predicted MDL: 0.021459
 Predicted MQL: 0.071529

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00111	.000	1
S1	.10000	.10026	.000	.257	.00211	.000	1
S3	5.0000	4.9253	-.075	-1.49	.04810	.000	1
S4	10.000	10.082	.082	.819	.09725	.000	1
S5	20.000	19.993	-.007	-.037	.19178	.000	1

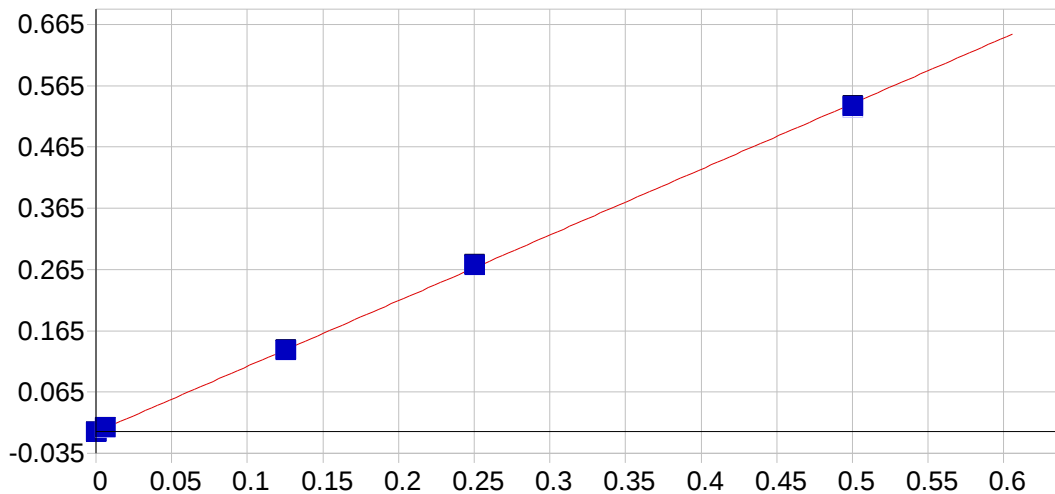


Ba 493.409 { 68}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000691 Re-Slope: 1.000000
 A1 (Gain): 0.396478 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999926 Status: OK.
 Std Error of Est: 0.000368
 Predicted MDL: 0.000975
 Predicted MQL: 0.003250

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00069	.000	1
S1	.10000	.09828	-.002	-1.72	.03966	.000	1
S3	5.0000	4.9603	-.040	-.794	1.9673	.006	1
S5	20.000	19.849	-.151	-.753	7.8706	.150	1
S4	10.000	10.192	.192	1.92	4.0416	.010	1



Be 234.861 {144}

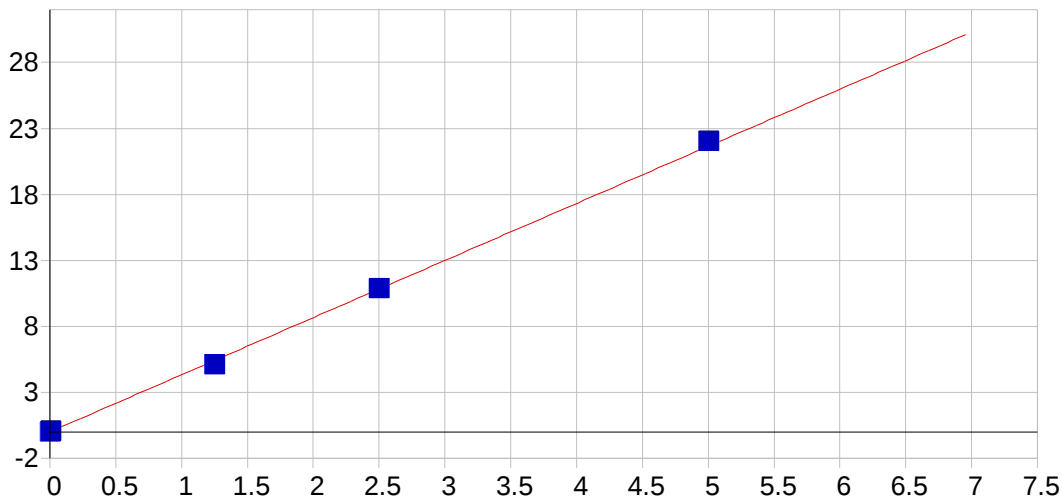
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000348 Re-Slope: 1.000000
 A1 (Gain): 1.072435 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999932
 Std Error of Est: 0.000037
 Predicted MDL: 0.000102
 Predicted MQL: 0.000339

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00035	.000	1
S1	.00600	.00620	.000	3.37	.00624	.000	1
S3	.12500	.12475	-.000	-.196	.13260	.000	1
S4	.25000	.25430	.004	1.72	.27069	.001	1
S5	.50000	.49574	-.004	-.852	.52793	.001	1



Date of Fit: 6/20/2019 16:40:23

Type of Fit: Linear

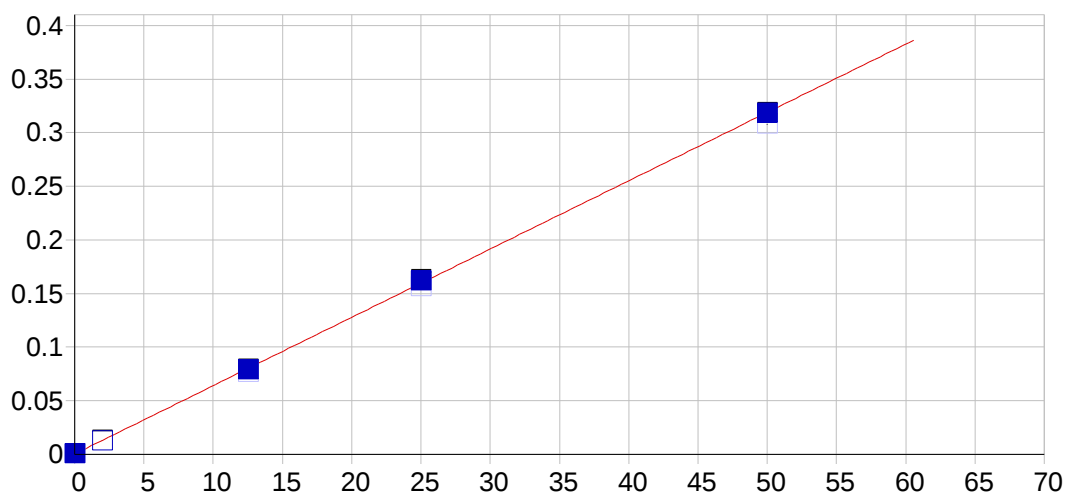
Weighting: 1/Conc

A0 (Offset): -0.000952
 A1 (Gain): 4.329871
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999624
 Std Error of Est: 0.001111
 Predicted MDL: 0.000100
 Predicted MQL: 0.000332

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	-.00095	.000	1
S1	.00600	.00543	-.001	-9.55	.02259	.001	1
S3	1.2500	1.1689	-.081	-6.48	5.0617	.005	1
S4	2.5000	2.5018	.002	.071	10.834	.022	1
S5	5.0000	5.0799	.080	1.60	21.999	.026	1

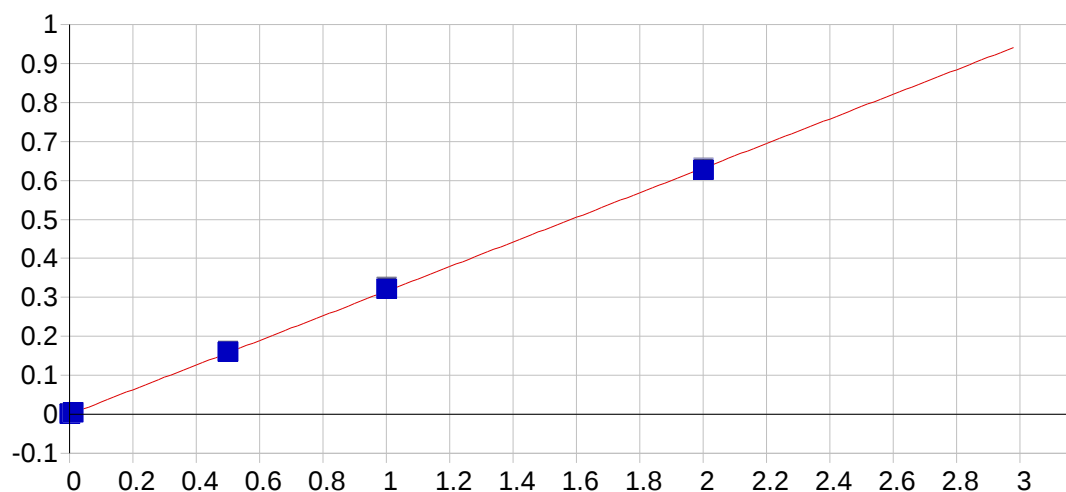


Ca 373.690 { 90}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000385 Re-Slope: 1.000000
 A1 (Gain): 0.006370 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999954 Status: OK.
 Std Error of Est: 0.000032
 Predicted MDL: 0.024479
 Predicted MQL: 0.081597

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	1.9393	-.061	-3.03	.01274	.000	1
S0	.00000	.00006	.000	.000	.00039	.000	1
S3	12.500	12.348	-.152	-1.22	.07639	.000	1
S4	25.000	25.310	.310	1.24	.15630	.001	1
S5	50.000	49.905	-.095	-.189	.30767	.000	1



Cr 267.716 {126}

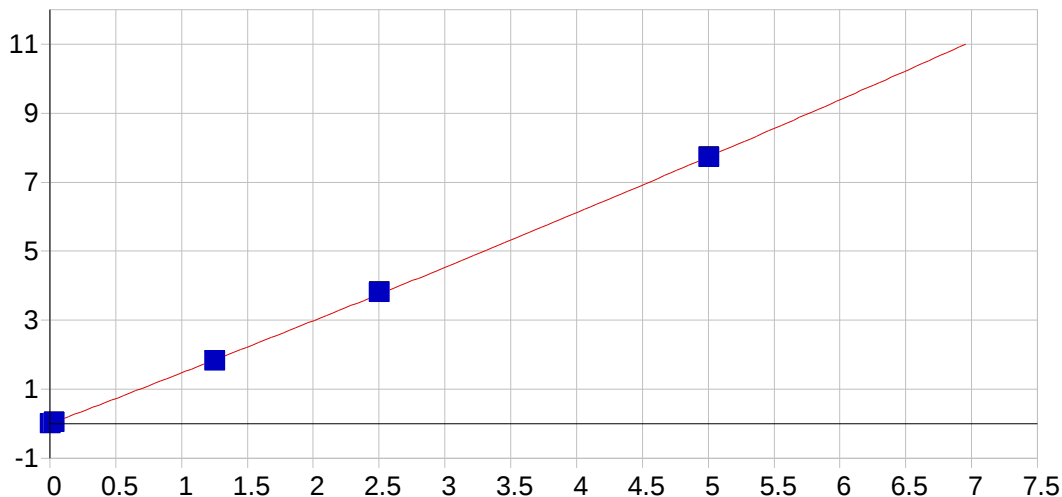
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000038 Re-Slope: 1.000000
 A1 (Gain): 0.315744 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999920
 Std Error of Est: 0.000031
 Predicted MDL: 0.000520
 Predicted MQL: 0.001733

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00004	.000	1
S1	.01000	.01061	.001	6.11	.00333	.000	1
S3	.50000	.50319	.003	.637	.16008	.000	1
S4	1.0000	1.0171	.017	1.71	.32359	.001	1
S5	2.0000	1.9791	-.021	-1.04	.62982	.000	1



Co 228.616 {447}

Date of Fit: 6/20/2019 16:40:23

Type of Fit: Curvilinear

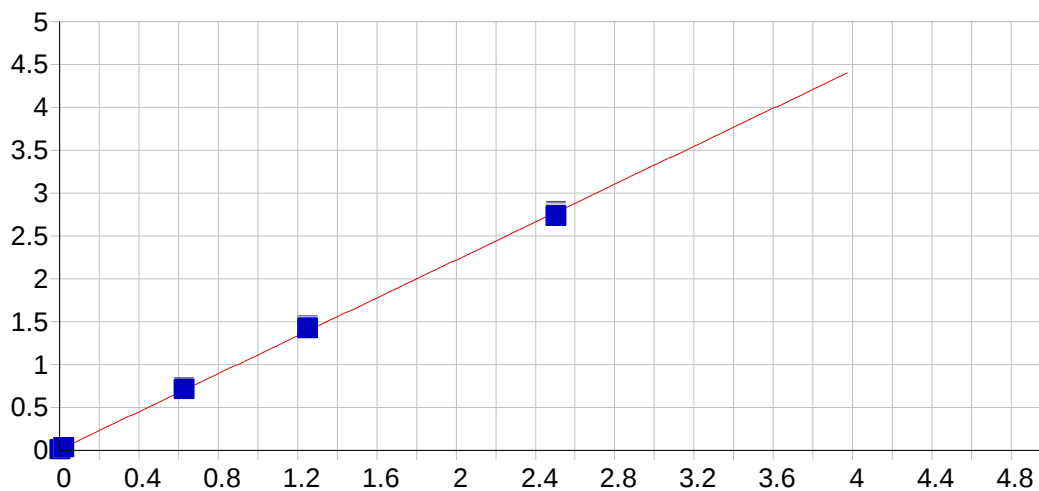
Weighting: 1/Conc

A0 (Offset): -0.001244
 A1 (Gain): 1.456962
 A2 (Curvature): 0.017958
 n (Exponent): 1.000000
 Correlation: 0.999944
 Std Error of Est: 0.000416
 Predicted MDL: 0.000285
 Predicted MQL: 0.000948

Re-Slope: 1.000000
 Y-int: 0.000000

Status: Warning Positive Curvature

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00124	.000	1
S1	.03000	.02818	-.002	-6.07	.03953	.000	1
S3	1.2500	1.2284	-.022	-1.73	1.8170	.002	1
S4	2.5000	2.5348	.035	1.39	3.8101	.006	1
S5	5.0000	4.9885	-.011	-.230	7.7194	.006	1

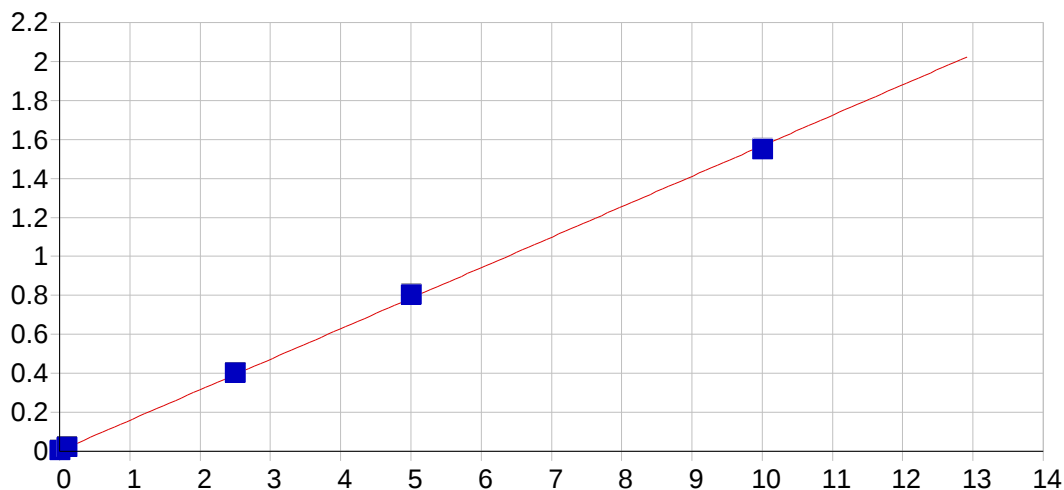


Cu 224.700 {450}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008597 Re-Slope: 1.000000
 A1 (Gain): 1.105714 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999863 Status: OK.
 Std Error of Est: 0.000225
 Predicted MDL: 0.000494
 Predicted MQL: 0.001648

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00860	.001	1
S1	.02000	.02081	.001	4.07	.03195	.000	1
S3	.62500	.63423	.009	1.48	.72104	.001	1
S4	1.2500	1.2762	.026	2.10	1.4420	.003	1
S5	2.5000	2.4638	-.036	-1.45	2.7775	.009	1



Fe 240.488 {140}

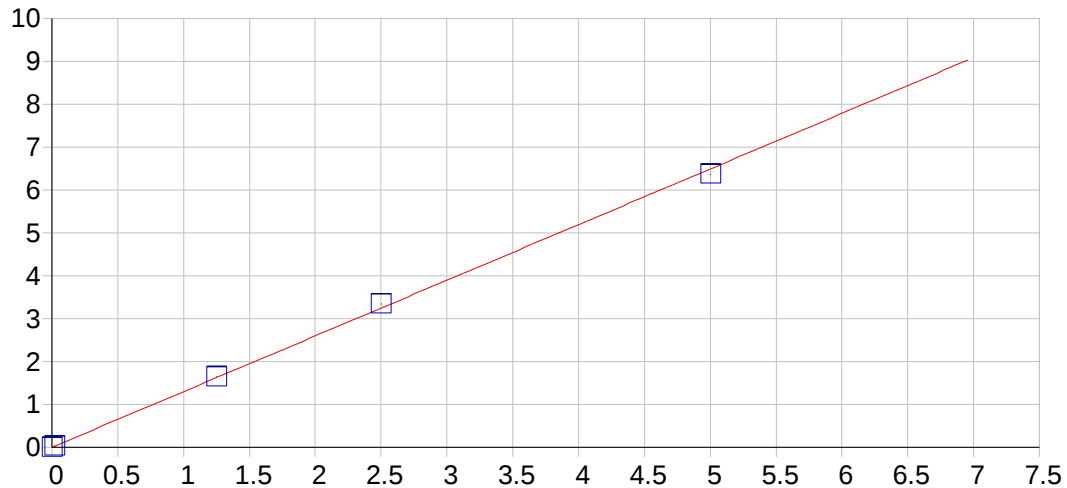
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002790 Re-Slope: 1.000000
 A1 (Gain): 0.156481 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999882
 Std Error of Est: 0.000131
 Predicted MDL: 0.000821
 Predicted MQL: 0.002738

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00279	.000	1
S1	.10000	.10223	.002	2.23	.01886	.000	1
S3	2.5000	2.5319	.032	1.28	.40045	.001	1
S4	5.0000	5.0990	.099	1.98	.80360	.001	1
S5	10.000	9.8669	-.133	-1.33	1.5526	.002	1



Mn 257.610 {131}

Date of Fit: 6/20/2019 16:40:23

Type of Fit: Linear

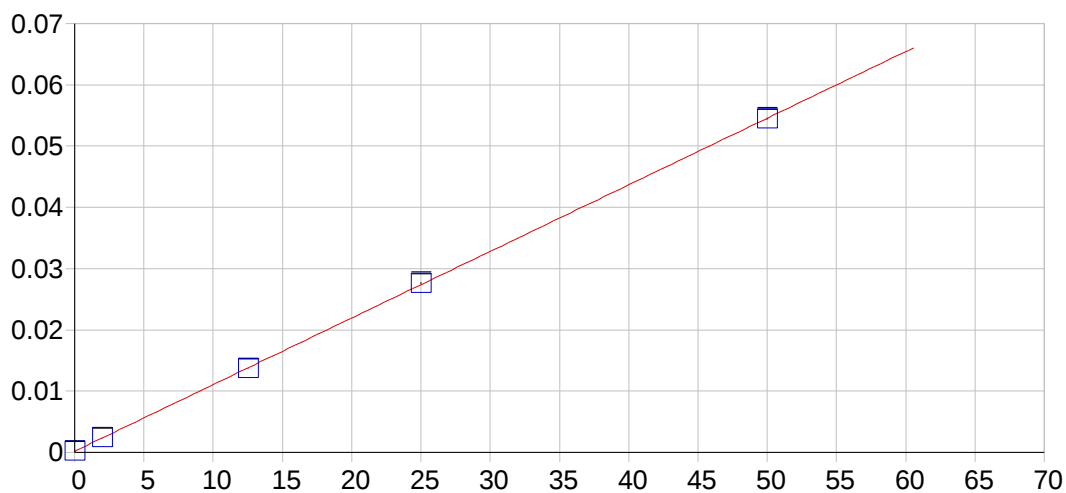
Weighting: 1/Conc

A0 (Offset): 0.000692
 A1 (Gain): 1.298050
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999750
 Std Error of Est: 0.000496
 Predicted MDL: 0.000095
 Predicted MQL: 0.000317

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	.00069	.000	1
S1	.02000	.02165	.002	8.26	.02880	.000	1
S3	1.2500	1.2697	.020	1.57	1.6488	.002	1
S4	2.5000	2.5733	.073	2.93	3.3410	.001	1
S5	5.0000	4.9053	-.095	-1.89	6.3681	.008	1

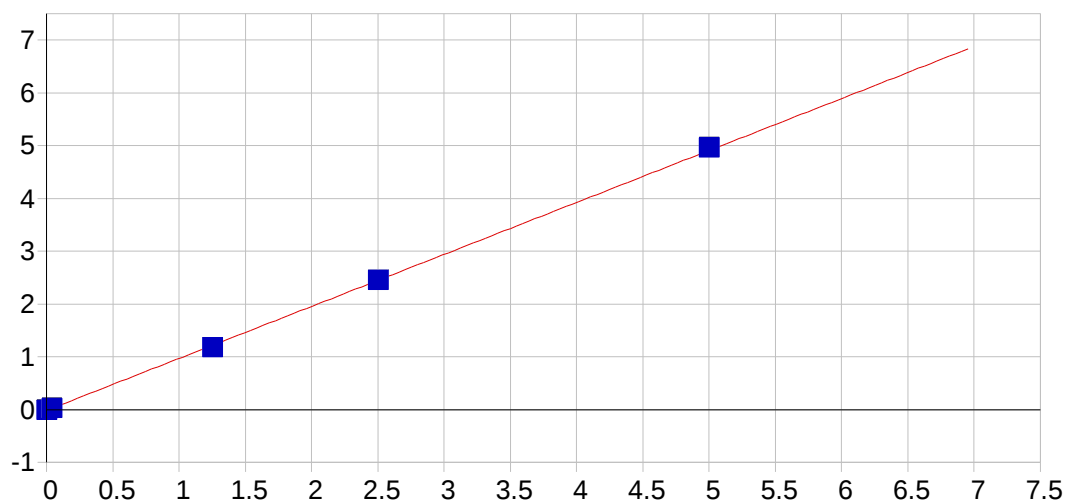


Mg 279.079 {121}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000192 Re-Slope: 1.000000
 A1 (Gain): 0.001087 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999979 Status: OK.
 Std Error of Est: 0.000004
 Predicted MDL: 0.057455
 Predicted MQL: 0.191517

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	1.9881	-.012	-.596	.00235	.000	1
S0	.00000	.00002	.000	.000	.00019	.000	1
S3	12.500	12.378	-.122	-.972	.01365	.000	1
S4	25.000	25.235	.235	.942	.02763	.000	1
S5	50.000	49.898	-.102	-.204	.05445	.000	1



Ni 231.604 {445}

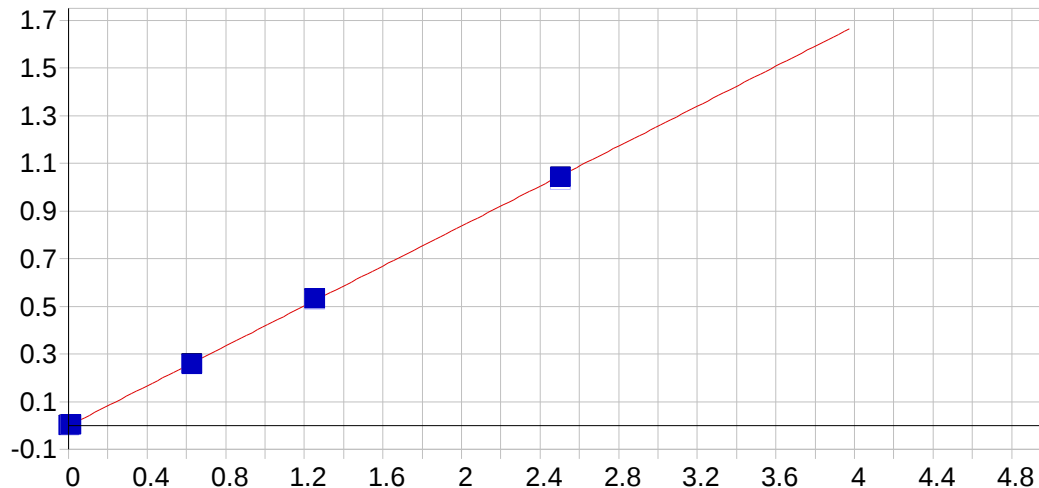
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.016586 Re-Slope: 1.000000
 A1 (Gain): 0.984885 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999854
 Std Error of Est: 0.000408
 Predicted MDL: 0.000451
 Predicted MQL: 0.001504

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.01658	.000	1
S1	.04000	.03682	-.003	-7.95	.01970	.000	1
S3	1.2500	1.2018	-.048	-3.86	1.1684	.002	1
S4	2.5000	2.5035	.003	.139	2.4517	.005	1
S5	5.0000	5.0479	.048	.958	4.9604	.002	1



Ag 328.068 {103}

Date of Fit: 6/20/2019 16:40:23

Type of Fit: Linear

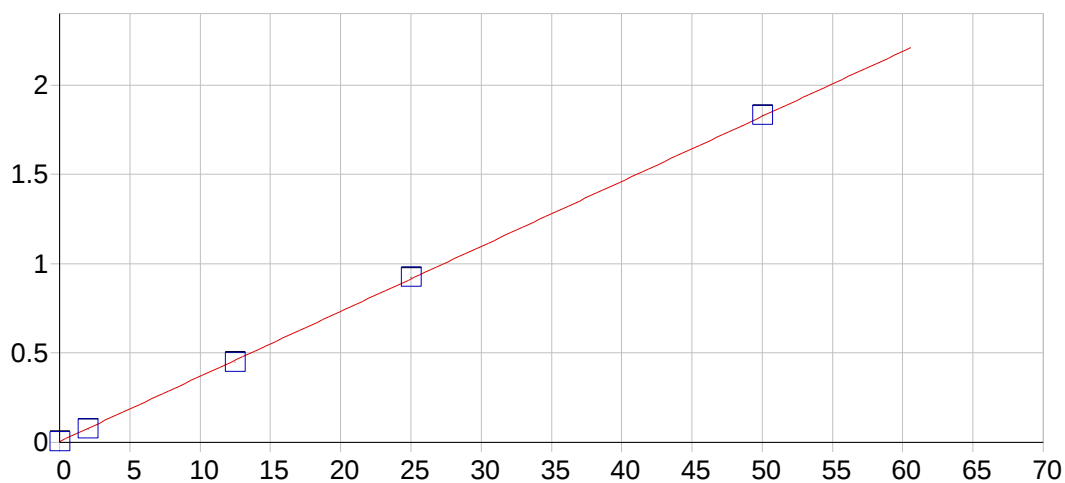
Weighting: 1/Conc

A0 (Offset): -0.001364
 A1 (Gain): 0.419015
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999947
 Std Error of Est: 0.000036
 Predicted MDL: 0.000673
 Predicted MQL: 0.002244

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	-.00136	.000	1
S1	.01000	.01016	.000	1.55	.00281	.000	1
S3	.62500	.61849	-.007	-1.04	.25481	.000	1
S4	1.2500	1.2697	.020	1.58	.52472	.001	1
S5	2.5000	2.4866	-.013	-.536	1.0286	.002	1

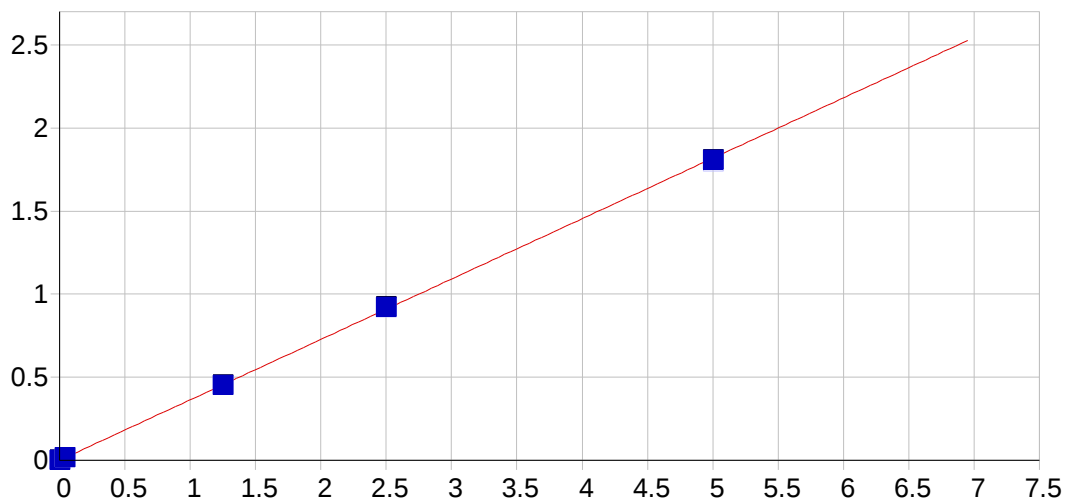


Na 589.592 { 57}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005360 Re-Slope: 1.000000
 A1 (Gain): 0.036388 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999940 Status: OK.
 Std Error of Est: 0.000218
 Predicted MDL: 0.014110
 Predicted MQL: 0.047034

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	1.9538	-.046	-2.31	.07645	.000	1
S0	.00000	.00007	.000	.000	.00536	.001	1
S3	12.500	12.191	-.309	-2.47	.44897	.002	1
S4	25.000	25.204	.204	.816	.92248	.002	1
S5	50.000	50.151	.151	.302	1.8303	.001	1



V 292.402 {115}

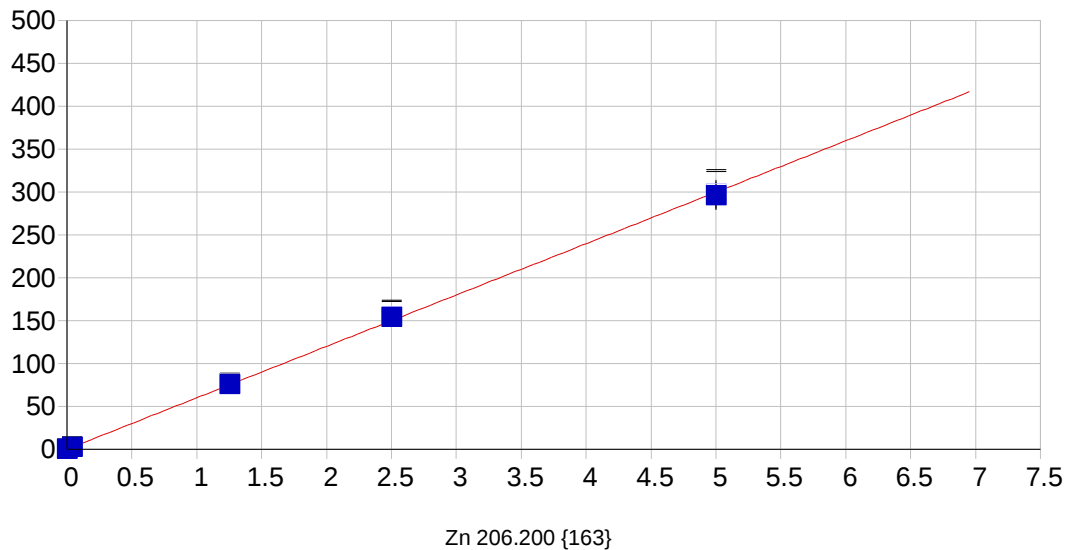
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000614 Re-Slope: 1.000000
 A1 (Gain): 0.363449 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999958
 Std Error of Est: 0.000080
 Predicted MDL: 0.000515
 Predicted MQL: 0.001717

Status: OK.

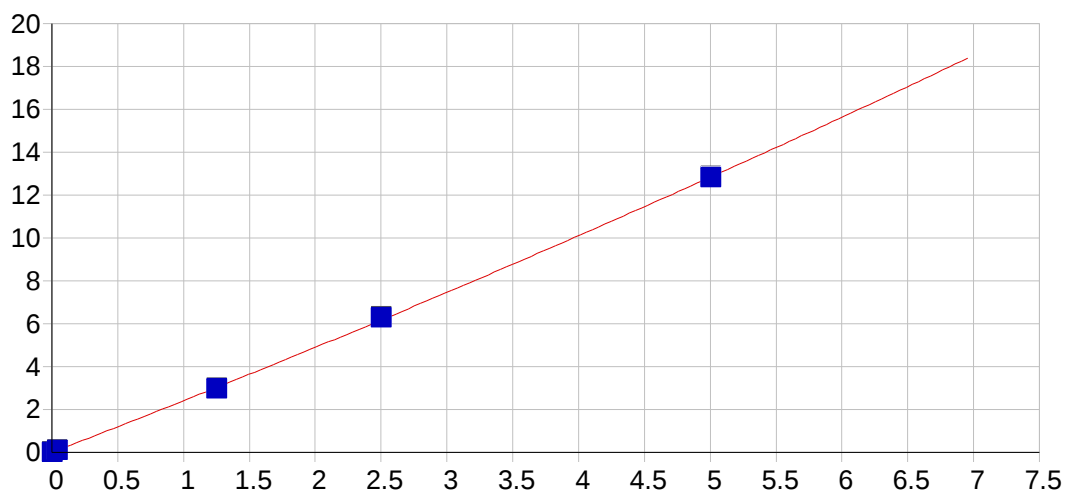
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00061	.000	1
S1	.04000	.03978	-.000	-.547	.01485	.000	1
S3	1.2500	1.2433	-.007	-.537	.44952	.001	1
S4	2.5000	2.5360	.036	1.44	.91639	.000	1
S5	5.0000	4.9709	-.029	-.582	1.7954	.000	1



Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.145431 Re-Slope: 1.000000
 A1 (Gain): 59.927811 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999861 Status: OK.
 Std Error of Est: 0.024306
 Predicted MDL: 0.000432
 Predicted MQL: 0.001442

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.14544	.010	1
S1	.04000	.03915	-.001	-2.12	2.5076	.181	1
S3	1.2500	1.2615	.012	.921	76.198	.325	1
S4	2.5000	2.5588	.059	2.35	154.39	7.29	1
S5	5.0000	4.9306	-.069	-1.39	297.44	16.6	1

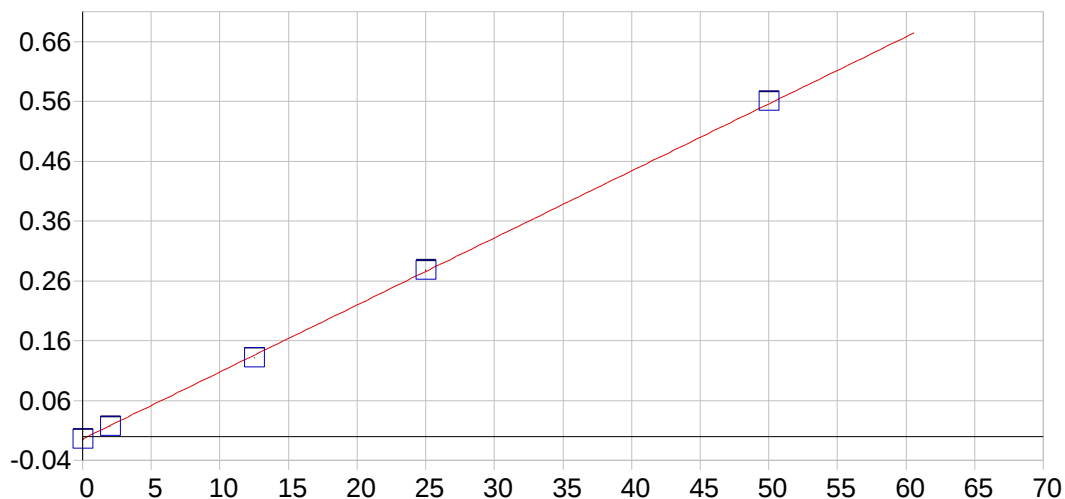


Zn 213.856 {458}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.003463 Re-Slope: 1.000000
 A1 (Gain): 2.367309 Y-int: 0.000000
 A2 (Curvature): 0.039622
 n (Exponent): 1.000000
 Correlation: 0.999928 Status: Warning Positive Curvature
 Std Error of Est: 0.000902
 Predicted MDL: 0.000129
 Predicted MQL: 0.000429

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00347	.000	1
S1	.04000	.03724	-.003	-6.89	.09234	.000	1
S3	1.2500	1.2262	-.024	-1.90	2.9848	.002	1
S4	2.5000	2.5393	.039	1.57	6.3081	.012	1
S5	5.0000	4.9871	-.013	-.259	12.870	.008	1



K 766.490 {44}

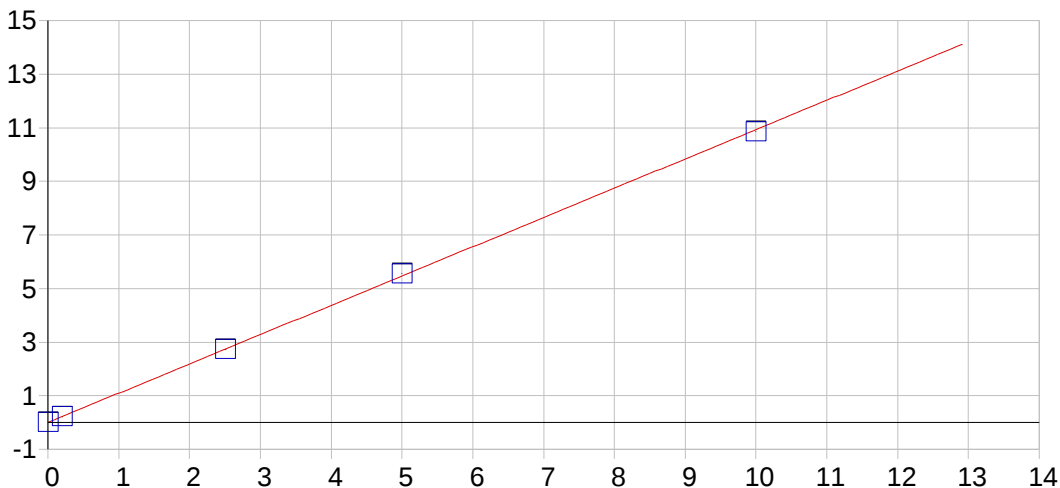
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004388 Re-Slope: 1.000000
 A1 (Gain): 0.011204 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999834
 Std Error of Est: 0.000111
 Predicted MDL: 0.049444
 Predicted MQL: 0.164813

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S2	2.0000	1.8390	-.161	-8.05	.01622	.000	1
S0	.00000	.00019	.000	.000	-.00439	.000	1
S3	12.500	12.104	-.396	-3.17	.13122	.000	1
S4	25.000	25.183	.183	.731	.27776	.001	1
S5	50.000	50.374	.374	.749	.56001	.001	1



Mo 202.030 {467}

Date of Fit: 6/20/2019 16:40:23

Type of Fit: Linear

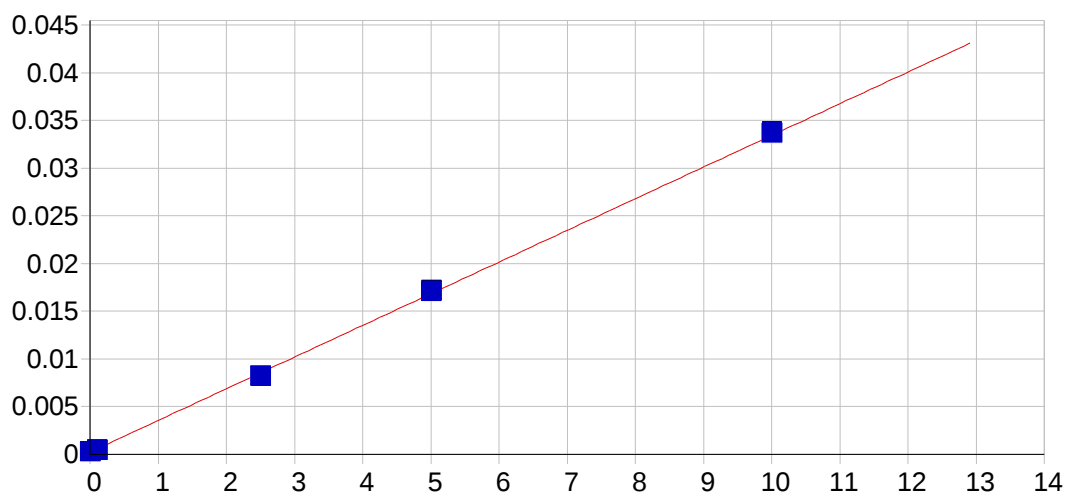
Weighting: 1/Conc

A0 (Offset): 0.000164
 A1 (Gain): 1.092789
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999951
 Std Error of Est: 0.000827
 Predicted MDL: 0.000308
 Predicted MQL: 0.001026

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	.00016	.000	1
S1	.20000	.20296	.003	1.48	.22196	.001	1
S3	2.5000	2.4865	-.013	-.539	2.7174	.002	1
S4	5.0000	5.0765	.076	1.53	5.5477	.010	1
S5	10.000	9.9340	-.066	-.660	10.856	.022	1

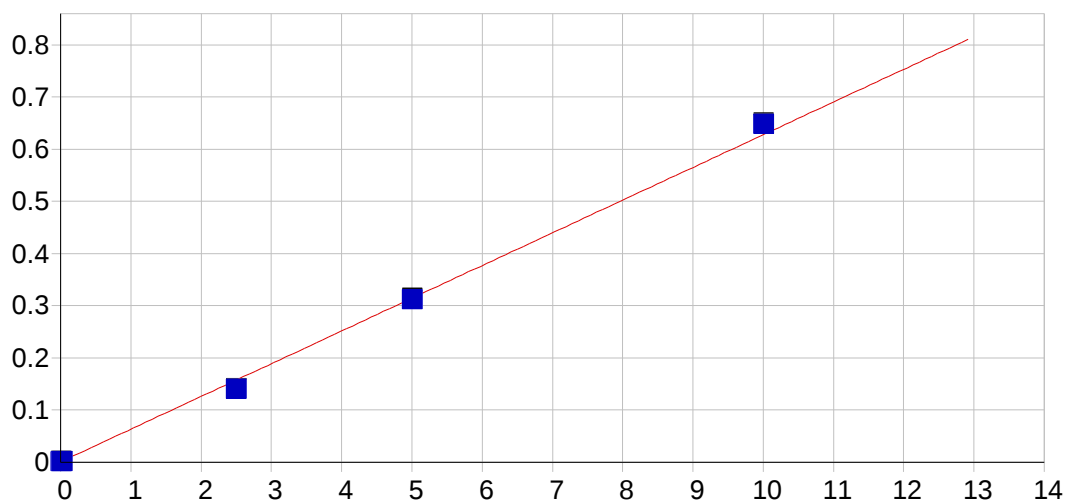


B 249.678 {135}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000240 Re-Slope: 1.000000
 A1 (Gain): 0.003321 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999143 Status: OK.
 Std Error of Est: 0.000007
 Predicted MDL: 0.016060
 Predicted MQL: 0.053532

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00005	.000	.000	.00024	.000	1
S1	.10000	.05136	-.049	-48.6	.00041	.000	1
S3	2.5000	2.3928	-.107	-4.29	.00817	.000	1
S4	5.0000	5.0745	.075	1.49	.01705	.000	1
S5	10.000	10.081	.081	.812	.03364	.000	1



S 182.034 {485}

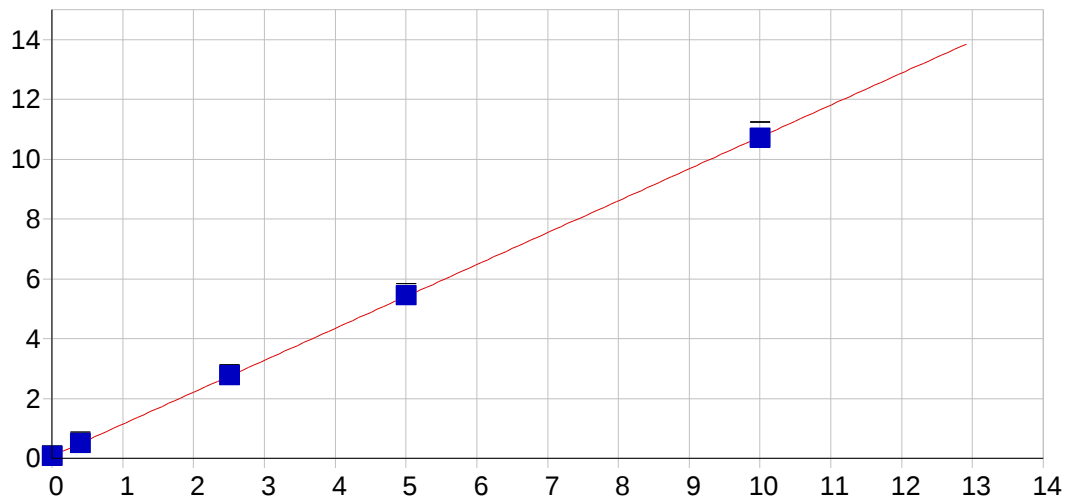
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000900 Re-Slope: 1.000000
 A1 (Gain): 0.062706 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.998706
 Std Error of Est: 0.000077
 Predicted MDL: 0.003337
 Predicted MQL: 0.011124

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00090	.000	1
S1	.02000	.01122	-.009	-43.9	.00157	.000	1
S3	2.5000	2.2233	-.277	-11.1	.14014	.000	1
S4	5.0000	4.9605	-.040	-.791	.31160	.002	1
S5	10.000	10.325	.325	3.25	.64762	.002	1



Si 288.158 {117}

Date of Fit: 6/20/2019 16:40:23

Type of Fit: Linear

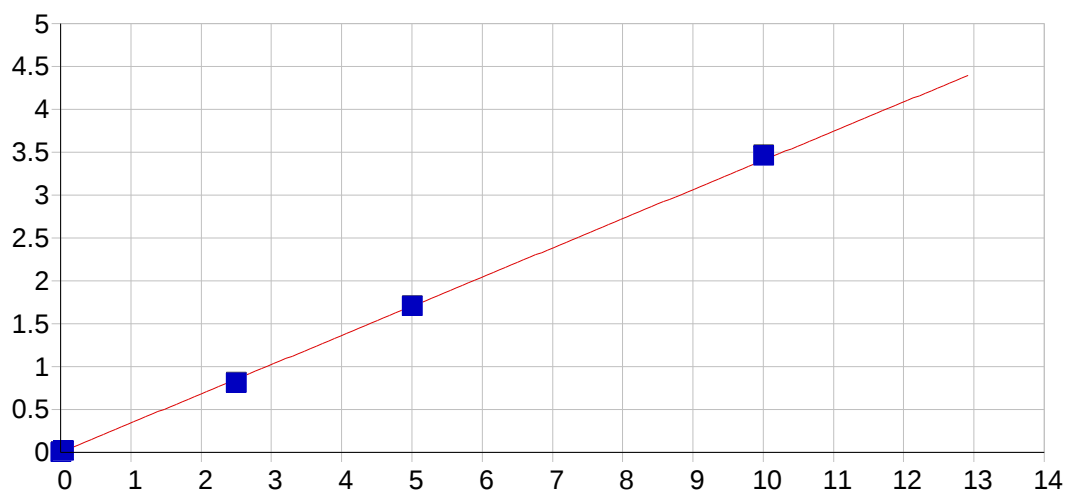
Weighting: 1/Conc

A0 (Offset): 0.074863
 A1 (Gain): 1.067005
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999986
 Std Error of Est: 0.000619
 Predicted MDL: 0.002531
 Predicted MQL: 0.008436

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	.07487	.003	1
S1	.40000	.39320	-.007	-1.70	.49405	.038	1
S3	2.5000	2.5109	.011	.436	2.7526	.024	1
S4	5.0000	5.0324	.032	.648	5.4416	.057	1
S5	10.000	9.9635	-.036	-.365	10.700	.197	1

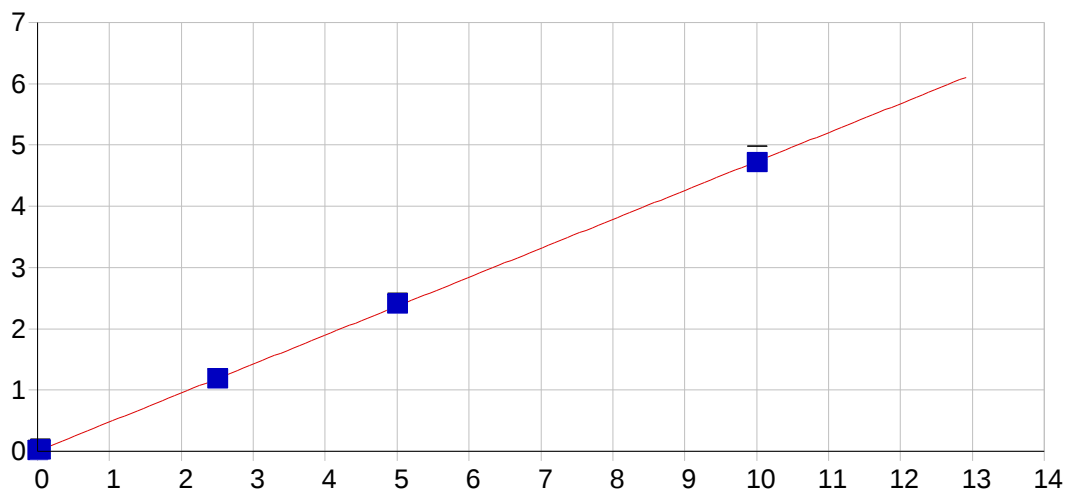


Sn 189.989 {477}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002434 Re-Slope: 1.000000
 A1 (Gain): 0.340243 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999725 Status: OK.
 Std Error of Est: 0.000273
 Predicted MDL: 0.000643
 Predicted MQL: 0.002142

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00244	.000	1
S1	.04000	.03521	-.005	-12.0	.01441	.000	1
S3	2.5000	2.3679	-.132	-5.28	.80826	.003	1
S4	5.0000	4.9924	-.008	-.153	1.7013	.003	1
S5	10.000	10.144	.144	1.44	3.4546	.007	1



Ti 336.121 {100}

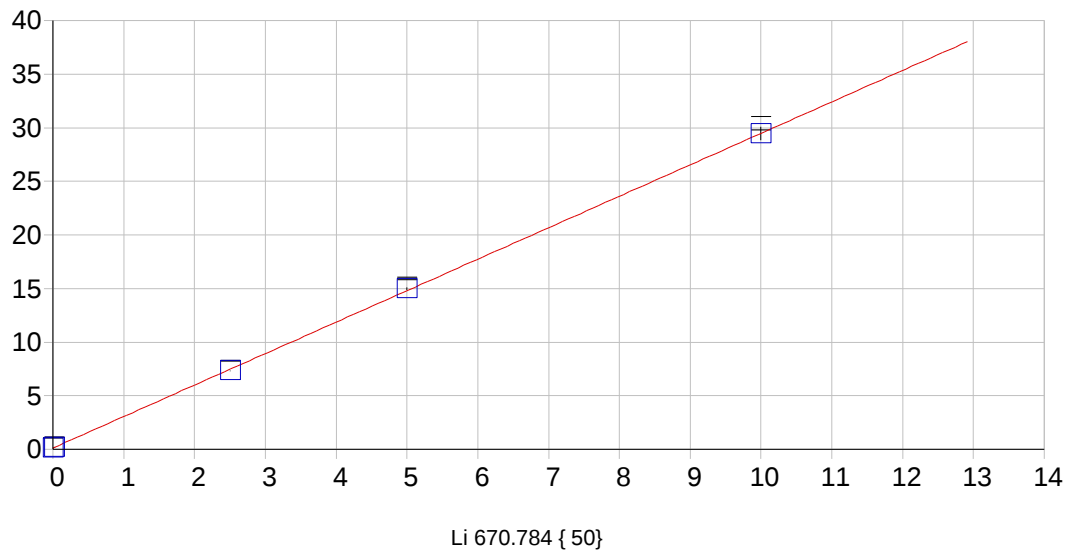
Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006482 Re-Slope: 1.000000
 A1 (Gain): 0.472393 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999967
 Std Error of Est: 0.000131
 Predicted MDL: 0.002905
 Predicted MQL: 0.009682

Status: OK.

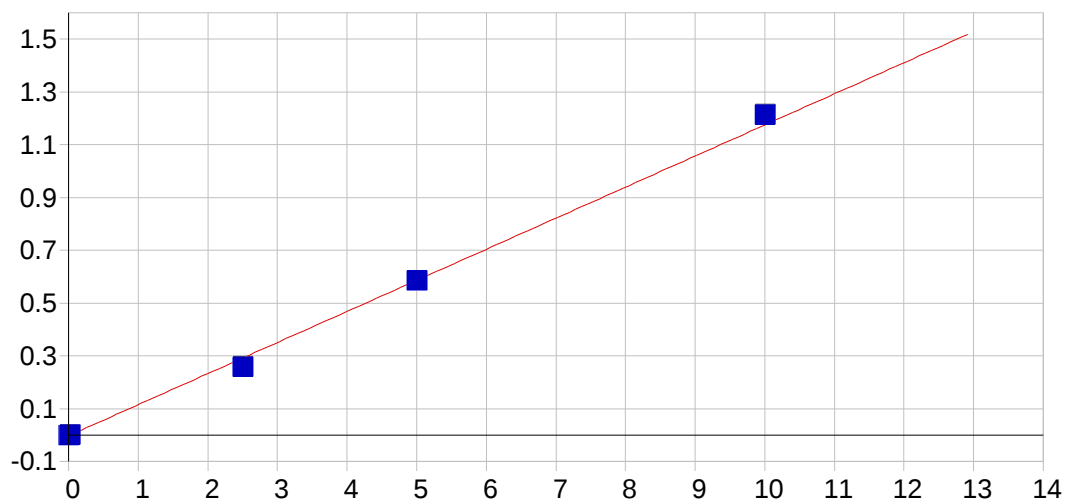
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00648	.001	1
S1	.04000	.03968	-.000	-.797	.02522	.001	1
S3	2.5000	2.4831	-.017	-.677	1.1793	.002	1
S4	5.0000	5.0639	.064	1.28	2.3983	.011	1
S5	10.000	9.9534	-.047	-.466	4.7078	.110	1



Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.121521 Re-Slope: 1.000000
 A1 (Gain): 2.935334 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999937 Status: OK.
 Std Error of Est: 0.000795
 Predicted MDL: 0.002330
 Predicted MQL: 0.007767

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.12153	.005	1
S1	.02000	.01611	-.004	-19.5	.16880	.011	1
S3	2.5000	2.4548	-.045	-1.81	7.3272	.034	1
S4	5.0000	5.0558	.056	1.12	14.962	.121	1
S5	10.000	9.9933	-.007	-.067	29.455	.644	1



P 177.495 {490}

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002979 Re-Slope: 1.000000
 A1 (Gain): 0.117793 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.998695 Status: OK.
 Std Error of Est: 0.000145
 Predicted MDL: 0.001684
 Predicted MQL: 0.005612

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00298	.000	1
S1	.02000	.01631	-.004	-18.4	-.00106	.000	1
S3	2.5000	2.2056	-.294	-11.8	.25639	.001	1
S4	5.0000	4.9785	-.021	-.430	.58260	.001	1
S5	10.000	10.320	.320	3.20	1.2109	.001	1



Y 224.306 {450}*

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

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000







In 230.606 {446}*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

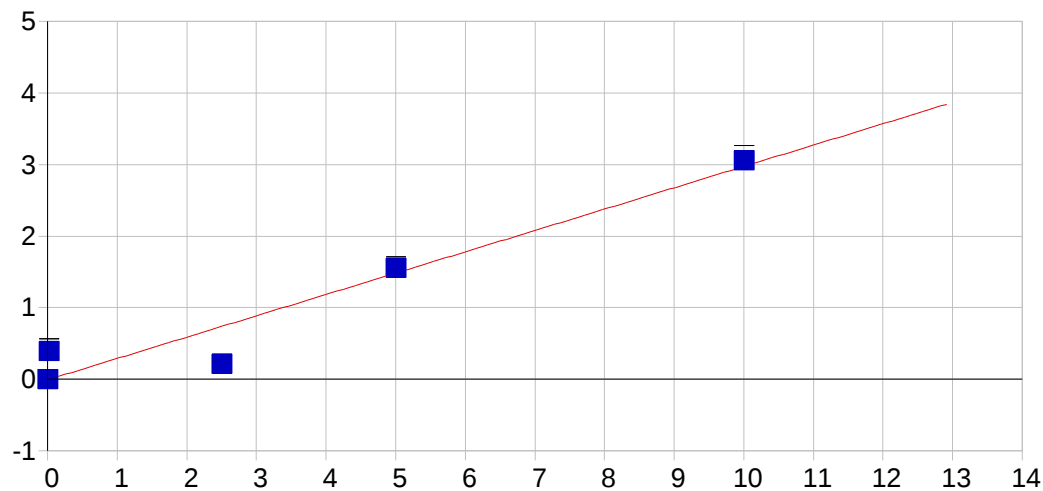
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Sr 407.771 { 83}

Date of Fit: 6/20/2019 16:40:23

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.008080

Re-Slope: 1.000000

A1 (Gain): 0.298078

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.410647

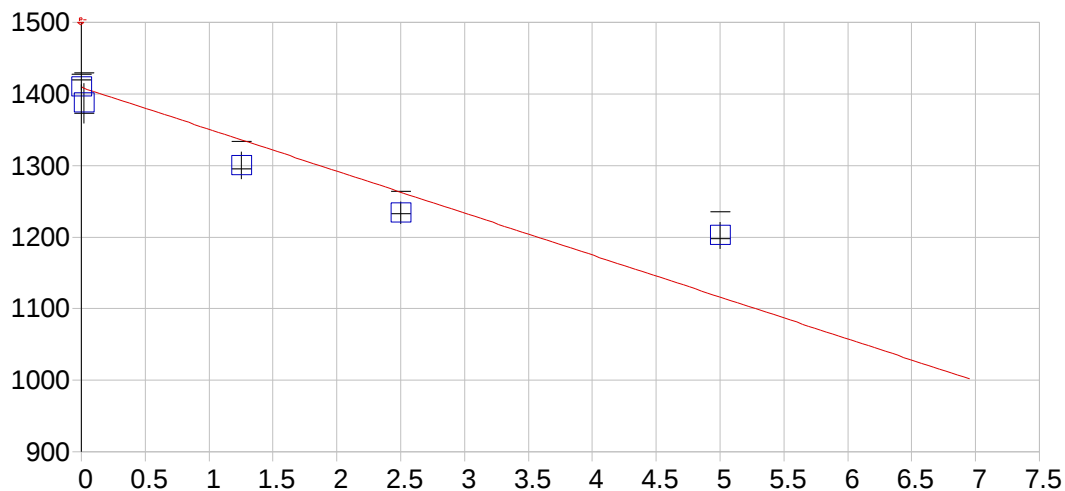
Status: OK.

Std Error of Est: 0.016004

Predicted MDL: 0.009545

Predicted MQL: 0.031815

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00129	-.001	.000	-.00847	.002	1
S1	.02000	1.3252	1.31	6530.	.38697	.032	1
S3	2.5000	.70820	-1.79	-71.7	.20384	.002	1
S4	5.0000	5.2258	.226	4.52	1.5513	.013	1
S5	10.000	10.255	.255	2.55	3.0520	.074	1

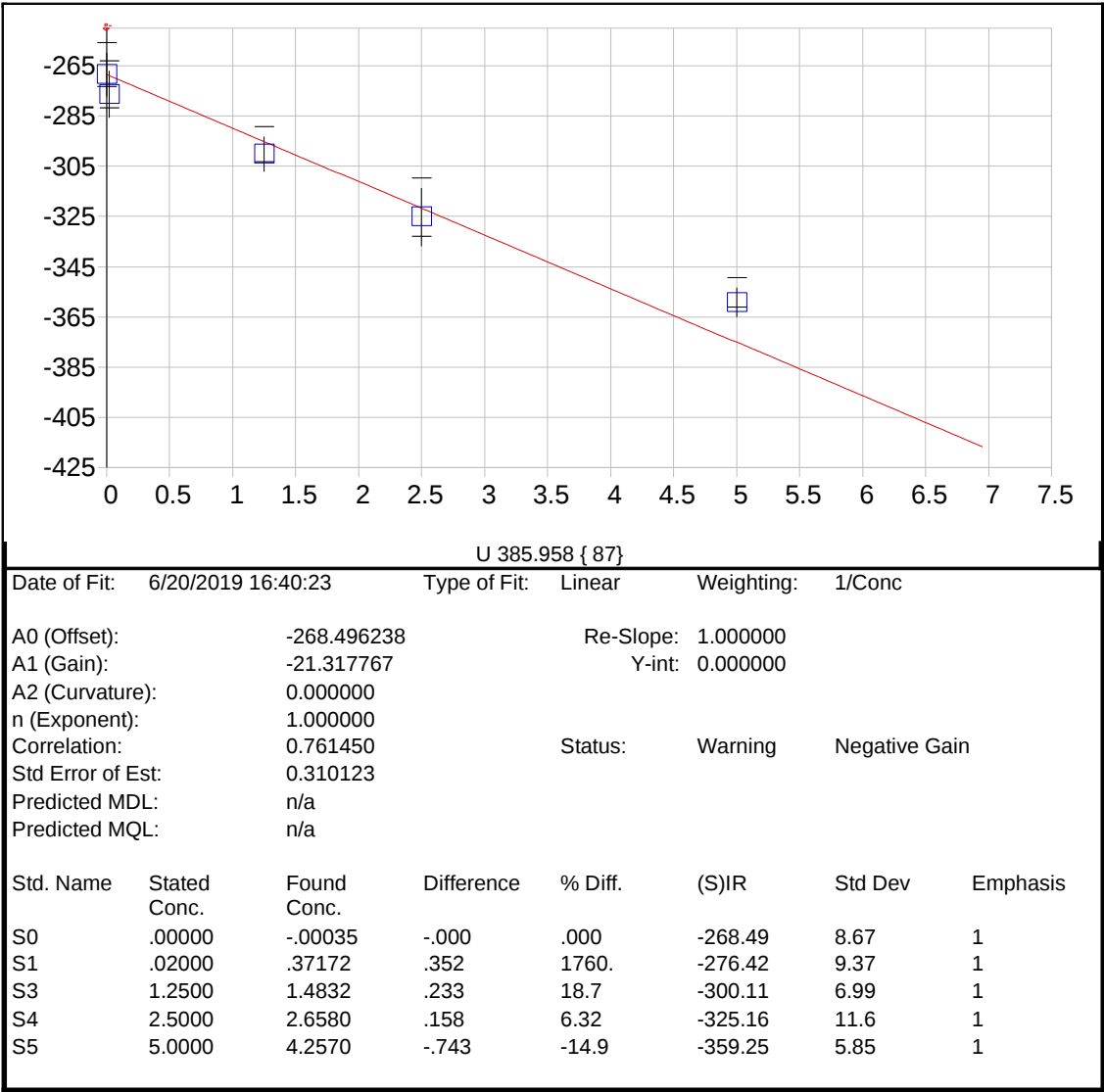


U 367.007 { 92 }

Date of Fit: 6/20/2019 16:40:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 1409.291179 Re-Slope: 1.000000
A1 (Gain): -58.607511 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.738335 Status: Warning Negative Gain
Std Error of Est: 0.914845
Predicted MDL: n/a
Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00037	-.000	.000	1409.3	4.23	1
S1	.02000	.38007	.360	1800.	1387.0	28.4	1
S3	1.2500	1.8640	.614	49.1	1300.0	19.2	1
S4	2.5000	2.9919	.492	19.7	1233.9	15.3	1
S5	5.0000	3.5340	-1.47	-29.3	1202.2	18.9	1



Sample Name: S0 Acquired: 6/20/2019 12:30:32 Type: Cal
Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: 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	.00062	.00060	.01109	-.00097	.00276	.00111	.00069	-.00035
Stddev	.00009	.00032	.00034	.00039	.00027	.00010	.00010	.00002
%RSD	14.058	53.007	3.0776	40.280	9.6001	8.6409	14.610	4.5596
#1	.00062	.00040	.01133	-.00098	.00307	.00122	.00080	-.00035
#2	.00053	.00097	.01123	-.00136	.00260	.00105	.00059	-.00037
#3	.00071	.00044	.01070	-.00057	.00262	.00105	.00069	-.00033
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00095	.00039	-.00004	-.00124	.00860	.00279	.00069	.00019
Stddev	.00013	.00001	.00008	.00021	.00053	.00001	.00008	.00006
%RSD	14.185	2.6872	200.98	17.199	6.1673	.51831	12.204	33.771
#1	-.00100	.00038	-.00012	-.00140	.00805	.00277	.00069	.00012
#2	-.00080	.00038	-.00003	-.00100	.00863	.00279	.00077	.00020
#3	-.00105	.00040	.00003	-.00132	.00911	.00280	.00061	.00025
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.01658	-.00136	.00536	.00061	.00347	-.00439	.00016	.00024
Stddev	.00012	.00015	.00108	.00012	.00007	.00019	.00044	.00005
%RSD	.75248	10.758	20.223	19.927	2.0624	4.2503	276.25	22.119
#1	-.01669	-.00149	.00425	.00047	.00340	-.00444	.00035	.00021
#2	-.01662	-.00120	.00542	.00067	.00355	-.00418	.00047	.00030
#3	-.01644	-.00139	.00642	.00070	.00346	-.00454	-.00034	.00021
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00090	.07487	.00244	.00648	.12153	-.0030	-.00847	1409.3
Stddev	.00021	.00288	.00012	.00071	.00463	.0001	.00185	4.2
%RSD	23.860	3.8494	5.0030	10.938	3.8070	2.856	21.858	.30039
#1	.00100	.07416	.00256	.00677	.11619	-.0029	-.00692	1404.4
#2	.00065	.07804	.00232	.00568	.12432	-.0030	-.00796	1411.7
#3	.00105	.07241	.00243	.00701	.12409	-.0030	-.01052	1411.8

Sample Name: S0 Acquired: 6/20/2019 12:30:32 Type: Cal
 Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	-268.49
Stddev	8.67
%RSD	3.2291

#1	-260.43
#2	-267.38
#3	-277.66

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2312.8	27582.	1719.8	43.467	2584.9
Stddev	3.6	72.	7.8	1.553	6.7
%RSD	.15546	.26104	.45612	3.5735	.25990

#1	2308.8	27515.	1711.0	41.975	2577.2
#2	2315.7	27658.	1722.4	45.075	2587.9
#3	2314.1	27572.	1726.0	43.350	2589.6

Sample Name: S1 Acquired: 6/20/2019 12:34:59 Type: Cal
Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: 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	.00249	.00910	.01456	.00067	.01058	.00211	.03966	.00624
Stddev	.00019	.00008	.00039	.00030	.00040	.00005	.00037	.00015
%RSD	7.5140	.92108	2.6558	44.413	3.7352	2.5709	.92696	2.4176

#1	.00230	.00909	.01494	.00040	.01045	.00206	.03966	.00628
#2	.00268	.00903	.01417	.00061	.01027	.00217	.04002	.00607
#3	.00249	.00919	.01456	.00099	.01103	.00211	.03929	.00636

Elem	Cd2265	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02259	.00333	.03953	.03195	.01886	.02880	.01970	.00281
Stddev	.00078	.00006	.00010	.00036	.00007	.00025	.00037	.00008
%RSD	3.4613	1.7549	.25590	1.1356	.38389	.86645	1.8626	3.0036

#1	.02175	.00336	.03965	.03207	.01886	.02906	.01992	.00286
#2	.02275	.00326	.03949	.03224	.01879	.02878	.01991	.00271
#3	.02329	.00337	.03945	.03155	.01894	.02856	.01928	.00285

Elem	V_2924	Zn2138	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01485	.09234	.22196	.00041	.00157	.49405	.01441	.02522
Stddev	.00009	.00016	.00096	.00003	.00009	.03776	.00022	.00142
%RSD	.58196	.17330	.43305	7.4198	5.4701	7.6423	1.5340	5.6472

#1	.01494	.09250	.22090	.00038	.00147	.49467	.01462	.02521
#2	.01478	.09218	.22218	.00041	.00163	.53149	.01444	.02665
#3	.01482	.09235	.22279	.00044	.00160	.45599	.01418	.02380

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.16880	-.0011	.38697	1387.0	-276.42
Stddev	.01085	.0001	.03249	28.4	9.37
%RSD	6.4252	5.433	8.3969	2.0440	3.3902

#1	.16691	-.0010	.39035	1357.5	-285.11
#2	.18047	-.0011	.41765	1389.4	-266.49
#3	.15903	-.0011	.35292	1414.1	-277.66

Sample Name: S1 Acquired: 6/20/2019 12:34:59 Type: Cal
 Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2299.6	27768.	1720.5	44.831	2570.4
Stddev	12.6	52.	138.9	2.993	8.8
%RSD	.54964	.18579	8.0743	6.6761	.34418
#1	2314.2	27719.	1711.4	45.208	2580.0
#2	2292.8	27822.	1586.3	41.667	2562.6
#3	2291.9	27764.	1863.7	47.617	2568.6

Sample Name: S2 Acquired: 6/20/2019 12:39:25 Type: Cal
Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ca3736	Mg2790	Na5895	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01274	.00235	.07645	.01622
Stddev	.00015	.00003	.00036	.00043
%RSD	1.1756	1.0897	.47390	2.6608

#1	.01257	.00233	.07616	.01630
#2	.01287	.00238	.07634	.01660
#3	.01277	.00235	.07686	.01575

Int. Std.	Y_3600
Units	Cts/S
Avg	27564.
Stddev	146.
%RSD	.52999

#1	27397.
#2	27668.
#3	27627.

Sample Name: S3 Acquired: 6/20/2019 12:43:40 Type: Cal
Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: 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	.23781	.54971	.83159	.21112	.39334	.04810	1.9673	.13260
Stddev	.00020	.00212	.00157	.00052	.00136	.00036	.0056	.00026
%RSD	.08481	.38493	.18838	.24396	.34641	.73946	.28664	.19315

#1	.23802	.55213	.83320	.21170	.39412	.04824	1.9708	.13285
#2	.23780	.54881	.83149	.21090	.39414	.04835	1.9608	.13260
#3	.23762	.54819	.83007	.21074	.39177	.04769	1.9703	.13234

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.0617	.07639	.16008	1.8170	.72104	.40045	1.6488	.01365
Stddev	.0047	.00035	.00043	.0023	.00070	.00071	.0022	.00003
%RSD	.09389	.45400	.26712	.12706	.09693	.17678	.13664	.20543

#1	5.0667	.07642	.15965	1.8197	.72094	.40074	1.6496	.01363
#2	5.0573	.07603	.16050	1.8156	.72039	.39964	1.6463	.01368
#3	5.0609	.07672	.16010	1.8158	.72178	.40097	1.6506	.01364

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1684	.25481	.44897	.44952	2.9848	.13122	2.7174	.00817
Stddev	.0024	.00016	.00156	.00081	.0018	.00019	.0018	.00003
%RSD	.20887	.06208	.34838	.18049	.05952	.14236	.06470	.36239

#1	1.1696	.25491	.44884	.45004	2.9857	.13105	2.7185	.00819
#2	1.1700	.25490	.44747	.44992	2.9827	.13142	2.7184	.00818
#3	1.1656	.25463	.45059	.44858	2.9859	.13120	2.7154	.00813

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14014	2.7526	.80826	1.1793	7.3272	.2564	.20384	1300.0
Stddev	.00034	.0239	.00262	.0021	.0340	.0014	.00186	19.2
%RSD	.24347	.86904	.32389	.18124	.46386	.5452	.91452	1.4771

#1	.14044	2.7664	.81003	1.1803	7.3665	.2577	.20180	1316.3
#2	.13977	2.7664	.80525	1.1808	7.3076	.2549	.20426	1305.0
#3	.14021	2.7250	.80948	1.1769	7.3076	.2565	.20545	1278.9

Sample Name: S3 Acquired: 6/20/2019 12:43:40 Type: Cal
 Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	Cts/S
Avg	-300.11
Stddev	6.99
%RSD	2.3306

#1	-300.40
#2	-292.98
#3	-306.96

Int. Std.	Y_2243	Y_3600	Y_3710	ln2306	ln2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2276.8	27251.	1714.9	42.542	2375.5
Stddev	2.4	113.	14.9	.102	1.6
%RSD	.10538	.41612	.87018	.24095	.06866

#1	2276.4	27122.	1699.5	42.565	2373.7
#2	2274.7	27297.	1715.9	42.631	2376.0
#3	2279.4	27334.	1729.3	42.430	2376.9

Sample Name: S4 Acquired: 6/20/2019 12:47:43 Type: Cal
Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: 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	.49804	1.1667	1.7450	.44189	.81844	.09725	4.0416	.27069
Stddev	.00068	.0018	.0023	.00063	.00115	.00031	.0097	.00132
%RSD	.13588	.15467	.13295	.14320	.14033	.32225	.24068	.48683
#1	.49747	1.1667	1.7428	.44228	.81716	.09734	4.0369	.26924
#2	.49879	1.1685	1.7474	.44116	.81937	.09750	4.0528	.27100
#3	.49786	1.1649	1.7446	.44224	.81881	.09689	4.0351	.27182
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	10.834	.15630	.32359	3.8101	1.4420	.80360	3.3410	.02763
Stddev	.022	.00111	.00092	.0060	.0032	.00057	.0010	.00011
%RSD	.19960	.70828	.28309	.15797	.22394	.07075	.03146	.39867
#1	10.836	.15581	.32294	3.8078	1.4384	.80298	3.3414	.02758
#2	10.855	.15757	.32464	3.8170	1.4445	.80373	3.3398	.02776
#3	10.811	.15553	.32319	3.8056	1.4432	.80410	3.3418	.02755
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.4517	.52472	.92248	.91639	6.3081	.27776	5.5477	.01705
Stddev	.0047	.00122	.00235	.00040	.0123	.00094	.0096	.00010
%RSD	.19211	.23287	.25515	.04362	.19474	.34002	.17255	.57414
#1	2.4520	.52613	.92079	.91657	6.3087	.27785	5.5367	.01716
#2	2.4563	.52407	.92517	.91667	6.3200	.27865	5.5520	.01704
#3	2.4469	.52395	.92149	.91593	6.2955	.27677	5.5543	.01696
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.31160	5.4416	1.7013	2.3983	14.962	.5826	1.5513	1233.9
Stddev	.00196	.0571	.0032	.0107	.121	.0012	.0134	15.3
%RSD	.62905	1.0495	.18504	.44664	.80778	.2013	.86190	1.2391
#1	.31375	5.4733	1.7012	2.3972	15.039	.5817	1.5597	1250.8
#2	.31113	5.3757	1.7046	2.3882	14.823	.5839	1.5358	1220.9
#3	.30992	5.4758	1.6983	2.4095	15.024	.5822	1.5582	1230.1

Sample Name: S4 Acquired: 6/20/2019 12:47:43 Type: Cal
Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	-325.16
Stddev	11.60
%RSD	3.5670

#1	-313.27
#2	-336.45
#3	-325.76

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2230.0	26848.	1712.0	41.854	2241.7
Stddev	8.2	122.	17.5	1.832	8.8
%RSD	.36659	.45277	1.0228	4.3768	.39168

#1	2238.9	26754.	1697.0	42.165	2245.6
#2	2222.7	26806.	1731.2	43.510	2231.7
#3	2228.6	26985.	1707.7	39.887	2247.9

Sample Name: S5 Acquired: 6/20/2019 12:51:42 Type: Cal
Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: 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	.98294	2.3235	3.5117	.86431	1.5959	.19178	7.8706	.52793
Stddev	.00300	.0008	.0023	.00113	.0009	.00037	.1497	.00081
%RSD	.30479	.03553	.06488	.13034	.05701	.19290	1.9027	.15250
#1	.98440	2.3242	3.5122	.86390	1.5954	.19170	7.7773	.52761
#2	.98492	2.3237	3.5137	.86558	1.5969	.19146	7.7911	.52884
#3	.97949	2.3226	3.5092	.86345	1.5953	.19219	8.0433	.52733
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	21.999	.30767	.62982	7.7194	2.7775	1.5526	6.3681	.05445
Stddev	.026	.00044	.00044	.0063	.0087	.0016	.0076	.00015
%RSD	.11688	.14207	.07052	.08131	.31377	.10404	.11995	.28352
#1	22.019	.30770	.62968	7.7221	2.7820	1.5526	6.3690	.05460
#2	22.008	.30722	.62946	7.7122	2.7830	1.5510	6.3752	.05445
#3	21.970	.30809	.63031	7.7239	2.7674	1.5542	6.3600	.05429
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.9604	1.0286	1.8303	1.7954	12.870	.56001	10.856	.03364
Stddev	.0021	.0019	.0008	.0004	.008	.00068	.022	.00008
%RSD	.04171	.18474	.04429	.02079	.06518	.12207	.19870	.23928
#1	4.9619	1.0279	1.8297	1.7951	12.880	.55937	10.859	.03373
#2	4.9613	1.0272	1.8299	1.7952	12.864	.55992	10.876	.03359
#3	4.9580	1.0308	1.8312	1.7958	12.867	.56073	10.833	.03359
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.64762	10.700	3.4546	4.7078	29.455	1.211	3.0520	1202.2
Stddev	.00163	.197	.0075	.1100	.644	.001	.0743	18.9
%RSD	.25207	1.8374	.21690	2.3356	2.1877	.1131	2.4350	1.5742
#1	.64949	10.891	3.4624	4.8295	30.135	1.212	3.1344	1188.0
#2	.64647	10.498	3.4541	4.6157	28.853	1.209	2.9900	1194.8
#3	.64691	10.711	3.4474	4.6781	29.378	1.212	3.0316	1223.7

Sample Name: S5 Acquired: 6/20/2019 12:51:42 Type: Cal
Method: P4-ICP2(v3222) Mode: IR Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	Cts/S
Avg	-359.25
Stddev	5.85
%RSD	1.6297

#1	-363.65
#2	-361.48
#3	-352.60

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2168.6	26192.	1689.4	40.719	2077.8
Stddev	2.3	22.	37.6	2.319	2.3
%RSD	.10610	.08230	2.2285	5.6965	.10973

#1	2170.0	26175.	1648.0	40.309	2079.3
#2	2165.9	26185.	1721.6	43.216	2078.9
#3	2169.8	26216.	1698.5	38.632	2075.2

Sample Name: ICV01 Acquired: 6/20/2019 13:17:28 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96301	.97208	.94050	.97524	.98395	2.4264	.48577
Stddev	.00312	.00274	.00353	.00220	.00178	.0127	.00124
%RSD	.32376	.28192	.37575	.22564	.18091	.52251	.25458

#1	.96369	.97023	.93683	.97549	.98300	2.4135	.48665
#2	.95960	.97523	.94079	.97293	.98284	2.4388	.48436
#3	.96572	.97077	.94388	.97731	.98600	2.4269	.48631

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47908	.45522	10.232	.49275	.48867	.51656	5.0048
Stddev	.00152	.00204	.037	.00037	.00117	.00101	.0072
%RSD	.31675	.44790	.35846	.07589	.23968	.19486	.14307

#1	.48060	.45287	10.204	.49264	.48747	.51542	5.0124
#2	.47905	.45652	10.273	.49245	.48872	.51732	4.9982
#3	.47757	.45627	10.218	.49317	.48981	.51694	5.0037

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49795	5.7763	.47352	.50182	9.5218	.48856	.95473
Stddev	.00069	.0690	.00067	.00062	.0420	.00093	.00308
%RSD	.13889	1.1944	.14147	.12401	.44093	.18950	.32298

#1	.49865	5.7917	.47303	.50254	9.5109	.48919	.95126
#2	.49727	5.7010	.47428	.50149	9.4863	.48750	.95577
#3	.49792	5.8364	.47325	.50143	9.5681	.48899	.95716

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.4236	2.5005	2.3972	F -.01569	2.3960	2.3344	2.4729
Stddev	.0529	.0124	.0082	.00231	.0072	.0088	.0053
%RSD	.56156	.49522	.34186	14.749	.29961	.37671	.21277

#1	9.3750	2.4874	2.3969	-.01784	2.3878	2.3245	2.4732
#2	9.4157	2.5021	2.3891	-.01600	2.4011	2.3412	2.4780
#3	9.4800	2.5120	2.4055	-.01324	2.3991	2.3376	2.4675

Sample Name: ICV01 Acquired: 6/20/2019 13:17:28 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICV01 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.00773	F -.0042	F .71652	F 3.0185	F 2.0162
Stddev	.00075	.0016	.01393	.4090	.4698
%RSD	9.7050	37.07	1.9436	13.550	23.301
#1	-.00840	-.0036	.72993	3.4596	2.1943
#2	-.00788	-.0060	.70213	2.6518	2.3709
#3	-.00692	-.0031	.71751	2.9441	1.4834
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2248.4	26905.	1679.9	41.812	2415.8
Stddev	3.8	71.	4.1	2.035	6.8
%RSD	.17093	.26511	.24480	4.8678	.28281
#1	2252.6	26829.	1675.3	43.938	2423.5
#2	2247.2	26970.	1683.3	39.881	2410.5
#3	2245.2	26915.	1681.1	41.617	2413.4

Sample Name: LLICV01 Acquired: 6/20/2019 13:21:34 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLICV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02019	.03747	.01021	.02327	.04893	.08941	.09880	.00614
Stddev	.00155	.00107	.00127	.00363	.00258	.01671	.00090	.00010
%RSD	7.6563	2.8436	12.393	15.617	5.2728	18.688	.91303	1.7082
#1	.02160	.03849	.00936	.02607	.04596	.07036	.09945	.00625
#2	.02044	.03755	.00961	.02458	.05023	.09626	.09777	.00613
#3	.01854	.03636	.01166	.01917	.05061	.10160	.09919	.00604
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00537	1.8578	.01012	.02757	.02006	.10210	.02104	1.9118
Stddev	.00010	.0111	.00010	.00031	.00030	.00018	.00016	.0331
%RSD	1.8736	.59810	1.0150	1.1221	1.4992	.17423	.77423	1.7321
#1	.00533	1.8464	.01017	.02723	.02020	.10192	.02108	1.8798
#2	.00529	1.8584	.01020	.02784	.01971	.10212	.02119	1.9099
#3	.00549	1.8686	.01001	.02765	.02026	.10227	.02086	1.9459
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03632	.00967	1.8318	.03944	.03675	1.7634	.20177	F .03368
Stddev	.00044	.00004	.0129	.00042	.00012	.0730	.00048	.01231
%RSD	1.2101	.40098	.70148	1.0593	.33925	4.1411	.23571	36.549
#1	.03610	.00964	1.8198	.03908	.03690	1.7075	.20134	.02950
#2	.03682	.00966	1.8454	.03990	.03670	1.7366	.20169	.04754
#3	.03603	.00972	1.8301	.03935	.03667	1.8460	.20229	.02401
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00546	.36113	.03565	.03868	F .01082	F .0154	F 1.2884	F 2.0721
Stddev	.00210	.00545	.00046	.00120	.00284	.0007	.0294	.3833
%RSD	38.479	1.5102	1.2969	3.1004	26.251	4.633	2.2800	18.499
#1	.00728	.36743	.03618	.03977	.00821	.0151	1.3206	1.8393
#2	.00594	.35783	.03538	.03740	.01385	.0149	1.2630	1.8625
#3	.00316	.35814	.03538	.03887	.01041	.0162	1.2816	2.5145

Sample Name: LLICV01 Acquired: 6/20/2019 13:21:34 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: LLICV01 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F .20783
Stddev	.27337
%RSD	131.54

#1	.28168
#2	-.09488
#3	.43669

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2265.9	27329.	1694.3	43.175	2541.4
Stddev	2.7	31.	7.9	1.359	1.8
%RSD	.11872	.11235	.46897	3.1477	.06900

#1	2265.8	27335.	1685.5	41.842	2540.4
#2	2263.2	27296.	1701.0	44.558	2540.5
#3	2268.6	27357.	1696.4	43.125	2543.5

Sample Name: ICB01 Acquired: 6/20/2019 13:25:59 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00126	-.00009	-.00037	.00020	-.00539	.00783	-.00126
Stddev	.00162	.00049	.00031	.00079	.00160	.02046	.00062
%RSD	128.33	526.84	83.109	400.35	29.646	261.14	49.138

#1	-.00065	.00047	-.00049	.00108	-.00530	-.01463	-.00126
#2	-.00310	-.00038	-.00059	-.00005	-.00385	.01274	-.00064
#3	-.00004	-.00037	-.00002	-.00043	-.00704	.02539	-.00188

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00010	-.00871	.00025	-.00026	-.00106	.00082
Stddev	.00008	.00009	.01243	.00037	.00019	.00040	.00045
%RSD	89.166	91.180	142.74	145.17	74.079	37.404	55.561

#1	.00013	-.00001	-.00300	.00053	-.00004	-.00061	.00134
#2	-.00000	.00015	-.02296	.00040	-.00035	-.00134	.00061
#3	.00014	.00016	-.00016	-.00016	-.00039	-.00123	.00050

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00021	.01672	-.00031	-.00007	-.11646	.00015	-.00055
Stddev	.00001	.08779	.00036	.00045	.00345	.00028	.00008
%RSD	3.6718	524.99	117.33	628.70	2.9651	189.52	15.220

#1	-.00021	-.07483	-.00040	.00019	-.11365	.00041	-.00045
#2	-.00022	.10019	.00009	.00019	-.12031	.00018	-.00060
#3	-.00021	.02480	-.00062	-.00059	-.11540	-.00015	-.00060

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.21598	.00007	F -.06885	F -.01458	-.02510	-.00090	.00118
Stddev	.03780	.00015	.00937	.00171	.00033	.00050	.00258
%RSD	17.504	216.72	13.616	11.745	1.3184	55.582	218.62

#1	-.25747	.00018	-.06107	-.01279	-.02502	-.00065	.00200
#2	-.18349	-.00010	-.07926	-.01620	-.02546	-.00058	-.00171
#3	-.20696	.00013	-.06622	-.01475	-.02481	-.00148	.00325

Sample Name: ICB01 Acquired: 6/20/2019 13:25:59 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICB01 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01261	.0004	-.01677	F 2.8856	F .73168
Stddev	.00147	.0006	.00660	1.3267	.05225
%RSD	11.679	154.3	39.353	45.977	7.1413
#1	-.01291	-.0001	-.00987	4.4167	.79027
#2	-.01101	.0002	-.01743	2.0783	.71485
#3	-.01391	.0011	-.02302	2.1617	.68991
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2261.0	26619.	1678.5	42.994	2543.7
Stddev	7.6	1184.	22.5	2.078	8.1
%RSD	.33473	4.4462	1.3395	4.8328	.31728
#1	2255.0	25253.	1692.7	45.300	2537.6
#2	2258.6	27341.	1652.6	42.417	2540.6
#3	2269.5	27263.	1690.3	41.267	2552.9

Sample Name: CRI01 Acquired: 6/20/2019 13:30:27 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01947	.03620	.00978	.02162	.04762	.11356	.10047	.00621
Stddev	.00057	.00043	.00050	.00256	.00119	.02500	.00218	.00027
%RSD	2.9047	1.1765	5.1037	11.835	2.5030	22.014	2.1739	4.3288
#1	.01882	.03619	.00951	.02441	.04663	.08657	.09848	.00601
#2	.01975	.03578	.01035	.01938	.04895	.13592	.10280	.00651
#3	.01984	.03663	.00947	.02106	.04729	.11818	.10012	.00610
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00534	1.8947	.00978	.02734	.01981	.10408	.02133	1.9625
Stddev	.00005	.0162	.00037	.00044	.00056	.00319	.00073	.0970
%RSD	.95378	.85645	3.8042	1.5946	2.8306	3.0677	3.4454	4.9410
#1	.00540	1.8860	.00940	.02718	.01989	.10176	.02094	1.9128
#2	.00532	1.9134	.01014	.02702	.01921	.10772	.02218	2.0742
#3	.00530	1.8847	.00981	.02784	.02032	.10276	.02088	1.9004
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03670	.01053	1.8555	.03995	.03640	1.7823	.20100	F .03256
Stddev	.00045	.00052	.0571	.00086	.00017	.0671	.00178	.02143
%RSD	1.2276	4.9575	3.0789	2.1497	.47038	3.7626	.88672	65.810
#1	.03627	.00993	1.8003	.03967	.03628	1.7599	.19897	.01319
#2	.03717	.01084	1.9144	.04092	.03633	1.8577	.20231	.05558
#3	.03665	.01082	1.8517	.03927	.03660	1.7293	.20172	.02891
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00480	.36500	.03378	.04026	F .01086	.0155	F 1.3028	F 2.6484
Stddev	.00362	.00095	.00015	.00557	.00288	.0003	.0206	.7730
%RSD	75.352	.26042	.45124	13.831	26.568	1.829	1.5840	29.187
#1	.00823	.36570	.03360	.04414	.01381	.0157	1.2948	2.4286
#2	.00102	.36539	.03386	.04276	.01073	.0152	1.2875	3.5075
#3	.00516	.36392	.03388	.03388	.00804	.0156	1.3263	2.0091

Sample Name: CRI01 Acquired: 6/20/2019 13:30:27 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI01 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	F .45605
Stddev	.17405
%RSD	38.166

#1	.39620
#2	.65213
#3	.31981

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2280.1	27037.	1678.0	43.906	2554.8
Stddev	14.2	632.	6.0	.369	9.0
%RSD	.62288	2.3368	.35513	.83950	.35304

#1	2296.4	27391.	1672.5	44.325	2564.6
#2	2272.6	26308.	1684.3	43.758	2553.0
#3	2271.2	27413.	1677.0	43.633	2546.8

Sample Name: ICSA01 Acquired: 6/20/2019 13:59:31 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSA01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00553	.01000	.00270	-.00682	-.00025	253.73	.00670
Stddev	.00191	.00149	.00056	.00200	.00401	1.69	.00104
%RSD	34.559	14.862	20.585	29.286	1592.4	.66698	15.479

#1	.00332	.01171	.00206	-.00716	.00312	251.87	.00669
#2	.00668	.00932	.00307	-.00467	.00081	255.17	.00773
#3	.00658	.00898	.00297	-.00863	-.00469	254.16	.00566

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00187	-.00031	253.50	.04445	-.00097	-.00544	92.235
Stddev	.00015	.00012	1.21	.00028	.00048	.00079	.395
%RSD	7.8081	39.551	.47832	.62062	48.973	14.512	.42797

#1	.00201	-.00042	252.13	.04416	-.00140	-.00561	91.881
#2	.00189	-.00034	254.45	.04471	-.00046	-.00613	92.661
#3	.00172	-.00018	253.91	.04448	-.00107	-.00458	92.163

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01136	255.05	-.01403	-.00289	-.09115	.00137	-.01366
Stddev	.00012	2.18	.00093	.00040	.01264	.00058	.00010
%RSD	1.0790	.85395	6.5998	13.777	13.865	41.919	.72071

#1	.01147	252.63	-.01438	-.00322	-.10567	.00118	-.01359
#2	.01138	256.86	-.01472	-.00299	-.08520	.00202	-.01377
#3	.01123	255.66	-.01298	-.00245	-.08259	.00092	-.01361

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.21048	-.00058	F -.11603	F -.03105	-.02894	.00704	-.00126
Stddev	.04139	.00052	.00685	.00212	.00088	.00069	.00305
%RSD	19.664	90.146	5.9040	6.8291	3.0353	9.8395	241.79

#1	-.22942	-.00099	-.11383	-.03324	-.02793	.00652	-.00117
#2	-.23901	-.00074	-.12372	-.02900	-.02934	.00783	.00174
#3	-.16301	.00001	-.11056	-.03091	-.02954	.00678	-.00435

Sample Name: ICSA01 Acquired: 6/20/2019 13:59:31 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSA01 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00637	-.0001	F 6.2775	5.6401	25.921
Stddev	.00345	.0021	.0228	.1484	.716
%RSD	54.148	2900.	.36279	2.6319	2.7626
#1	-.00784	-.0017	6.2917	5.5974	26.745
#2	-.00243	-.0009	6.2895	5.8052	25.441
#3	-.00884	.0023	6.2512	5.5176	25.578
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2060.6	24523.	1625.6	38.539	2007.0
Stddev	3.2	30.	10.3	1.136	1.5
%RSD	.15745	.12196	.63624	2.9463	.07516
#1	2057.3	24514.	1617.4	37.274	2005.6
#2	2063.8	24498.	1637.2	38.875	2008.6
#3	2060.5	24556.	1622.1	39.469	2006.8

Sample Name: ICSAB01 Acquired: 6/20/2019 14:04:07 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10670	.10755	.05296	.04407	.60523	249.43	.53705
Stddev	.00486	.00172	.00320	.00502	.00470	.89	.00156
%RSD	4.5522	1.5978	6.0351	11.399	.77638	.35879	.29029

#1	.10947	.10942	.05033	.04453	.60758	248.63	.53553
#2	.10955	.10717	.05651	.03883	.59982	250.40	.53865
#3	.10109	.10605	.05202	.04884	.60828	249.26	.53697

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.53044	.96073	248.99	.54440	.49177	.47379	90.480
Stddev	.00145	.00461	.83	.00082	.00170	.00222	.146
%RSD	.27388	.47983	.33361	.14984	.34503	.46758	.16145

#1	.53205	.96606	248.15	.54456	.49334	.47606	90.573
#2	.53004	.95805	249.81	.54512	.49200	.47367	90.556
#3	.52924	.95809	249.02	.54351	.48997	.47163	90.312

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50546	250.84	.93294	.20697	-.10118	.50290	1.0551
Stddev	.00084	1.86	.00372	.00148	.01309	.00111	.0061
%RSD	.16624	.73950	.39874	.71560	12.940	.22046	.57778

#1	.50635	248.75	.93577	.20866	-.11226	.50403	1.0618
#2	.50535	252.29	.93431	.20635	-.08673	.50286	1.0536
#3	.50468	251.49	.92873	.20589	-.10456	.50181	1.0499

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.18336	.99418	.86401	F -.03347	.82813	1.0136	.89136
Stddev	.04332	.02164	.02740	.00276	.02113	.0257	.00528
%RSD	23.624	2.1762	3.1714	8.2511	2.5516	2.5362	.59228

#1	-.21589	.97127	.83539	-.03068	.80635	.98565	.89618
#2	-.13419	.99703	.89000	-.03353	.82948	1.0189	.88572
#3	-.20002	1.0143	.86664	-.03621	.84855	1.0362	.89218

Sample Name: ICSAB01 Acquired: 6/20/2019 14:04:07 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB01 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.00957	F -.0029	F 6.2180	4.9088	26.263
Stddev	.00100	.0021	.0148	.3634	.240
%RSD	10.472	71.73	.23864	7.4026	.91368
#1	-.00847	-.0044	6.2216	5.2222	26.381
#2	-.00978	-.0039	6.2016	4.5105	26.422
#3	-.01044	-.0005	6.2307	4.9936	25.987
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2136.6	25514.	1680.7	41.032	2055.8
Stddev	4.7	54.	8.5	1.705	3.4
%RSD	.22207	.21341	.50650	4.1559	.16579
#1	2132.1	25479.	1671.8	39.131	2051.9
#2	2141.6	25485.	1681.6	41.542	2057.7
#3	2136.0	25577.	1688.8	42.425	2057.9

Sample Name: CCV01 Acquired: 6/20/2019 14:08:32 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCV01 Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.9695	4.9240	4.8532	4.9864	4.9085	9.5846	9.8017	.24549
Stddev	.0068	.0131	.0150	.0113	.0140	.3683	.3265	.01058
%RSD	.13692	.26681	.30893	.22579	.28514	3.8428	3.3305	4.3089
#1	4.9735	4.9357	4.8556	4.9990	4.9246	9.6973	9.9340	.25094
#2	4.9616	4.9266	4.8668	4.9775	4.8988	9.1731	9.4298	.23330
#3	4.9733	4.9098	4.8371	4.9826	4.9022	9.8835	10.041	.25224
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4320	24.299	.97463	2.4500	1.2494	4.9034	2.4734	24.318
Stddev	.0068	.850	.04445	.0073	.0006	.2088	.0975	.831
%RSD	.28080	3.4986	4.5608	.29816	.05183	4.2583	3.9433	3.4163
#1	2.4352	24.628	.99813	2.4541	1.2498	5.0023	2.5218	24.640
#2	2.4366	23.333	.92336	2.4543	1.2498	4.6635	2.3611	23.375
#3	2.4241	24.934	1.0024	2.4416	1.2487	5.0443	2.5372	24.940
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4360	1.2307	24.072	2.4424	2.4616	24.133	5.0066	4.8830
Stddev	.0061	.0455	.778	.0951	.0068	.797	.0066	.1371
%RSD	.24947	3.7002	3.2314	3.8943	.27757	3.3027	.13267	2.8073
#1	2.4376	1.2558	24.389	2.4935	2.4650	24.518	5.0135	4.9312
#2	2.4411	1.1782	23.186	2.3327	2.4661	23.216	5.0061	4.7283
#3	2.4293	1.2582	24.642	2.5011	2.4537	24.664	5.0002	4.9895
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8632	4.7644	4.8745	4.9013	4.8792	4.928	5.0330	F 3.6335
Stddev	.0193	.1602	.0060	.1168	.1361	.009	.1545	.8277
%RSD	.39670	3.3627	.12240	2.3833	2.7898	.1807	3.0689	22.778
#1	4.8450	4.8683	4.8800	4.9605	4.9485	4.937	5.0865	4.1148
#2	4.8834	4.5799	4.8752	4.7667	4.7223	4.927	4.8589	2.6779
#3	4.8611	4.8450	4.8682	4.9767	4.9666	4.920	5.1536	4.1080

Sample Name: CCV01 Acquired: 6/20/2019 14:08:32 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCV01 Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg F 2.3877
 Stddev .2245
 %RSD 9.4001

#1 2.5121
 #2 2.5224
 #3 2.1286

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2229.1	27263.	1725.4	42.729	2253.3
Stddev	12.1	891.	47.8	.720	14.1
%RSD	.54327	3.2680	2.7712	1.6848	.62725

#1	2218.2	26810.	1694.2	43.096	2243.4
#2	2227.0	28290.	1780.4	43.192	2247.0
#3	2242.2	26690.	1701.5	41.900	2269.5

Sample Name: LLCCV01 Acquired: 6/20/2019 14:12:32 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: LLCCV01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01676	.03741	.01125	.01812	.04843	.09285	.09967
Stddev	.00077	.00089	.00036	.00233	.00117	.01596	.00137
%RSD	4.6050	2.3764	3.2166	12.849	2.4127	17.185	1.3715

#1	.01587	.03668	.01084	.01642	.04905	.07547	.10089
#2	.01720	.03840	.01153	.01716	.04915	.09623	.09819
#3	.01721	.03716	.01137	.02077	.04708	.10684	.09993

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00617	.00544	1.8617	.01014	.02758	.01992	.10220
Stddev	.00016	.00009	.0155	.00089	.00002	.00021	.00267
%RSD	2.6253	1.7203	.83233	8.8225	.07941	1.0333	2.6160

#1	.00636	.00552	1.8466	.01114	.02757	.02012	.10528
#2	.00606	.00533	1.8775	.00942	.02761	.01971	.10048
#3	.00610	.00546	1.8610	.00987	.02757	.01992	.10083

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02126	1.9160	.03680	.01052	1.8361	.03980	.03672
Stddev	.00045	.0225	.00023	.00037	.0386	.00080	.00020
%RSD	2.1245	1.1719	.63279	3.4821	2.1014	1.9997	.53282

#1	.02178	1.9417	.03702	.01035	1.8779	.04071	.03653
#2	.02097	1.8998	.03682	.01026	1.8284	.03926	.03672
#3	.02104	1.9067	.03656	.01094	1.8019	.03942	.03692

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7617	.20318	F .04006	F -.00034	.36241	.03574	.04125
Stddev	.0200	.00059	.00920	.00096	.00255	.00014	.00390
%RSD	1.1350	.29169	22.976	281.11	.70255	.38584	9.4517

#1	1.7501	.20386	.03155	.00074	.36427	.03586	.04570
#2	1.7848	.20291	.04983	-.00110	.35951	.03559	.03962
#3	1.7502	.20277	.03880	-.00068	.36344	.03578	.03843

Sample Name: LLCCV01 Acquired: 6/20/2019 14:12:32 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: LLCCV01 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F .00928	.0173	F 1.2912	F 3.1043	F .15304
Stddev	.00165	.0013	.0142	.3306	.45402
%RSD	17.768	7.340	1.0981	10.650	296.67
#1	.00880	.0187	1.2755	3.3900	-.02197
#2	.01112	.0166	1.2951	2.7422	.66852
#3	.00793	.0164	1.3030	3.1807	-.18743
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2290.6	27331.	1706.8	43.097	2570.1
Stddev	5.0	525.	8.6	1.028	5.7
%RSD	.21812	1.9205	.50135	2.3844	.22208
#1	2288.1	26728.	1697.2	41.983	2566.0
#2	2287.5	27581.	1713.7	43.300	2567.8
#3	2296.4	27684.	1709.5	44.008	2576.6

Sample Name: CCB01 Acquired: 6/20/2019 14:17:24 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00084	-.00089	-.00099	.00136	-.00245	-.00324	.00035
Stddev	.00201	.00052	.00062	.00373	.00165	.01600	.00049
%RSD	239.31	58.008	63.112	275.34	67.349	494.14	139.92

#1	-.00144	-.00121	-.00028	.00166	-.00068	.01517	.00028
#2	.00140	-.00117	-.00147	-.00252	-.00394	-.01102	-.00010
#3	-.00248	-.00029	-.00121	.00492	-.00274	-.01386	.00086

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00005	-.00995	.00033	-.00005	-.00101	.00016
Stddev	.00007	.00005	.02196	.00037	.00021	.00033	.00078
%RSD	114.07	90.111	220.81	114.05	402.59	32.516	471.27

#1	.00006	.00001	-.02178	.00014	.00006	-.00087	-.00060
#2	.00012	.00005	.01540	.00076	-.00030	-.00078	.00014
#3	-.00001	.00010	-.02345	.00009	.00008	-.00139	.00095

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00034	-.00514	.00019	.00010	-.16225	.00012	-.00048
Stddev	.00007	.08130	.00031	.00015	.00974	.00069	.00005
%RSD	21.570	1581.6	165.19	139.66	6.0023	589.19	9.8997

#1	-.00039	.08869	-.00012	.00018	-.17136	-.00014	-.00043
#2	-.00038	-.05467	.00050	.00020	-.15198	-.00041	-.00048
#3	-.00026	-.04944	.00018	-.00006	-.16341	.00091	-.00053

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.24961	.00011	F -.08028	F -.01359	-.02870	-.00152	.00009
Stddev	.03838	.00022	.01253	.00420	.00055	.00054	.00093
%RSD	15.377	191.28	15.604	30.941	1.9190	35.589	1049.5

#1	-.26038	.00026	-.09466	-.01308	-.02821	-.00151	.00117
#2	-.20699	.00022	-.07178	-.00966	-.02859	-.00098	-.00043
#3	-.28146	-.00014	-.07438	-.01802	-.02929	-.00206	-.00047

Sample Name: CCB01 Acquired: 6/20/2019 14:17:24 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCB01 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01320	-.0014	-.01904	F 2.7733	<.00000
Stddev	.00338	.0007	.00540	.1543	.17265
%RSD	25.641	50.18	28.338	5.5652	1769.4
#1	-.01674	-.0008	-.01288	2.9381	.00295
#2	-.01284	-.0021	-.02134	2.6322	-.18841
#3	-.01000	-.0011	-.02291	2.7497	.15619
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2282.1	27286.	1705.5	44.044	2580.7
Stddev	4.0	473.	15.4	2.317	2.7
%RSD	.17627	1.7337	.90066	5.2595	.10572
#1	2286.1	27545.	1688.7	42.192	2583.8
#2	2282.2	26740.	1718.9	46.642	2579.0
#3	2278.0	27573.	1709.0	43.300	2579.2

Sample Name: PB120791BS Acquired: 6/20/2019 14:21:54 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.70845	1.7872	.87442	1.8541	.73825	1.7709	.18686
Stddev	.00273	.0093	.00584	.0011	.00660	.0249	.00089
%RSD	.38575	.52225	.66825	.05699	.89381	1.4086	.47516

#1	.70574	1.7788	.87311	1.8532	.74400	1.7556	.18591
#2	.71121	1.7856	.86935	1.8538	.73104	1.7997	.18702
#3	.70841	1.7972	.88081	1.8553	.73972	1.7574	.18766

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18851	.17328	F 1.3727	.38371	.18487	.30064	2.9414
Stddev	.00070	.00031	.0228	.00038	.00049	.00038	.0112
%RSD	.37005	.17999	1.6620	.09901	.26570	.12780	.38142

#1	.18808	.17314	1.3739	.38347	.18473	.30049	2.9313
#2	.18931	.17306	1.3493	.38415	.18447	.30035	2.9535
#3	.18814	.17364	1.3949	.38351	.18542	.30108	2.9394

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19604	1.8133	.44862	.07172	2.6211	.28450	.18192
Stddev	.00116	.0711	.00125	.00018	.0226	.00155	.00054
%RSD	.59214	3.9231	.27802	.24837	.86289	.54616	.29878

#1	.19557	1.8946	.44997	.07190	2.5965	.28485	.18199
#2	.19736	1.7823	.44836	.07170	2.6260	.28584	.18135
#3	.19518	1.7628	.44752	.07155	2.6409	.28280	.18243

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.9383	.37893	F .21248	F -.02030	.86837	.61332	.18838
Stddev	.0185	.00074	.01228	.00037	.02287	.00247	.00408
%RSD	.20639	.19530	5.7817	1.8337	2.6331	.40277	2.1640

#1	8.9232	.37808	.20511	-.01998	.89383	.61538	.19304
#2	8.9589	.37934	.20566	-.02020	.86170	.61058	.18549
#3	8.9329	.37938	.22666	-.02071	.84958	.61401	.18660

Sample Name: PB120791BS Acquired: 6/20/2019 14:21:54 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19712	4.862	F 12.494	F 3.3544	F<.00000
Stddev	.00179	.015	.201	.1305	.55529
%RSD	.90841	.3068	1.6122	3.8911	122.85
#1	.19822	4.860	12.726	3.3281	-.18743
#2	.19506	4.848	12.363	3.4961	-.07849
#3	.19810	4.878	12.393	3.2390	-1.0901
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2291.5	27661.	1665.4	42.783	2531.9
Stddev	1.7	45.	29.8	.653	3.3
%RSD	.07628	.16279	1.7897	1.5261	.12902
#1	2290.1	27612.	1631.0	42.600	2528.2
#2	2291.1	27700.	1684.5	43.508	2533.5
#3	2293.5	27671.	1680.6	42.242	2534.1

Sample Name: PB120791BL Acquired: 6/20/2019 14:38:32 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00074	.00018	-.00129	-.00009	-.00438	.00114	-.00136
Stddev	.00089	.00060	.00080	.00086	.00119	.01855	.00098
%RSD	120.21	329.52	61.897	927.63	27.170	1631.3	72.427

#1	.00171	-.00036	-.00217	.00083	-.00527	-.01876	-.00249
#2	-.00003	.00008	-.00063	-.00087	-.00303	.00421	-.00078
#3	.00054	.00083	-.00107	-.00024	-.00484	.01795	-.00080

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-.00002	-.00819	.00007	-.00012	-.00058	-.00081
Stddev	.00006	.00004	.01347	.00011	.00024	.00021	.00055
%RSD	143.82	159.45	164.46	152.07	203.97	35.781	68.390

#1	-.00002	.00000	-.02335	.00004	-.00007	-.00036	-.00121
#2	.00010	-.00001	-.00359	.00019	.00009	-.00060	-.00018
#3	.00004	-.00006	.00238	-.00001	-.00038	-.00077	-.00104

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00034	-.02987	.00044	.00063	-.16373	.00031	-.00050
Stddev	.00006	.07263	.00045	.00014	.00963	.00028	.00015
%RSD	18.571	243.17	102.73	21.698	5.8810	91.578	30.503

#1	-.00030	.04054	.00055	.00059	-.15362	.00049	-.00034
#2	-.00031	-.02561	-.00006	.00079	-.17280	.00044	-.00052
#3	-.00041	-.10453	.00083	.00052	-.16477	-.00002	-.00064

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.27164	-.00023	F -.07790	F -.01342	-.03031	-.00150	.00165
Stddev	.02520	.00017	.00626	.00255	.00068	.00005	.00234
%RSD	9.2784	75.169	8.0335	18.968	2.2394	3.0389	141.37

#1	-.24727	-.00003	-.07069	-.01629	-.03089	-.00156	.00368
#2	-.27003	-.00034	-.08103	-.01256	-.02956	-.00147	.00219
#3	-.29760	-.00030	-.08197	-.01142	-.03046	-.00149	-.00091

Sample Name: PB120791BL Acquired: 6/20/2019 14:38:32 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01201	-.0018	F -.02570	F 2.5018	F .48968
Stddev	.00295	.0011	.00483	.0607	.37611
%RSD	24.593	63.54	18.814	2.4258	76.806
#1	-.01467	-.0015	-.02810	2.4427	.66863
#2	-.01252	-.0030	-.02013	2.4988	.74290
#3	-.00883	-.0008	-.02886	2.5639	.05752
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2284.8	27237.	1694.6	43.572	2569.0
Stddev	5.3	61.	20.1	1.604	1.5
%RSD	.23167	.22440	1.1888	3.6806	.05871
#1	2280.9	27264.	1686.9	45.008	2569.1
#2	2282.7	27280.	1679.5	41.842	2567.5
#3	2290.8	27167.	1717.5	43.867	2570.5

Sample Name: PB120791TB Acquired: 6/20/2019 14:43:01 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00072	-.00027	.00136	.00295	-.00348	.02082	-.00063
Stddev	.00132	.00098	.00086	.00050	.00127	.00354	.00060
%RSD	181.95	367.53	62.858	17.063	36.525	16.979	94.497

#1	.00000	-.00107	.00113	.00319	-.00216	.02343	-.00028
#2	-.00224	-.00055	.00231	.00328	-.00360	.01680	-.00132
#3	.00007	.00082	.00065	.00237	-.00470	.02224	-.00029

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00000	.00645	.00053	-.00013	-.00130	.00113
Stddev	.00006	.00001	.01557	.00034	.00032	.00058	.00055
%RSD	890.50	617.01	241.32	64.123	253.74	44.381	48.383

#1	-.00006	-.00001	.02436	.00089	-.00006	-.00106	.00078
#2	-.00002	-.00000	-.00112	.00047	-.00048	-.00088	.00085
#3	.00006	.00002	-.00389	.00022	.00016	-.00196	.00177

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	-.01499	.00067	.00107	F 255.13	.00008	.00554
Stddev	.00006	.02873	.00034	.00064	1.65	.00052	.00013
%RSD	24.940	191.72	50.281	59.901	.64529	617.26	2.3944

#1	-.00021	-.04123	.00101	.00173	253.43	.00012	.00545
#2	-.00030	-.01944	.00067	.00104	255.26	-.00045	.00569
#3	-.00019	.01571	.00033	.00045	256.71	.00059	.00547

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.17546	.00001	F -.07240	F -.01520	-.02184	-.00102	.00238
Stddev	.07132	.00023	.01120	.00565	.00248	.00019	.00242
%RSD	40.650	3411.5	15.474	37.192	11.349	18.066	101.54

#1	-.25739	.00014	-.06241	-.01132	-.02028	-.00085	-.00041
#2	-.14179	.00014	-.07028	-.02168	-.02054	-.00101	.00364
#3	-.12721	-.00026	-.08451	-.01259	-.02470	-.00122	.00392

Sample Name: PB120791TB Acquired: 6/20/2019 14:43:01 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00794	-.0023	-.00946	3.8584	.52516
Stddev	.00226	.0008	.00332	.1076	.41836
%RSD	28.462	33.85	35.095	2.7895	79.663
#1	-.01030	-.0031	-.00745	3.9632	.04526
#2	-.00773	-.0016	-.00764	3.7481	.71719
#3	-.00579	-.0021	-.01329	3.8638	.81303
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2236.6	26538.	1720.4	43.562	2328.1
Stddev	9.4	37.	10.1	.792	11.2
%RSD	.41852	.13793	.58491	1.8173	.48241
#1	2226.0	26571.	1728.9	42.683	2315.3
#2	2240.1	26544.	1709.3	43.783	2332.5
#3	2243.7	26499.	1723.2	44.219	2336.5

Sample Name: PB120781BL Acquired: 6/20/2019 14:47:30 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	-.00048	-.00154	.00270	-.00484	-.00134	-.00081
Stddev	.00246	.00069	.00089	.00115	.00245	.00474	.00070
%RSD	926.44	143.97	57.669	42.777	50.671	355.20	87.272

#1	.00286	-.00080	-.00076	.00179	-.00202	-.00596	-.00001
#2	-.00004	-.00095	-.00136	.00231	-.00603	-.00156	-.00105
#3	-.00202	.00031	-.00251	.00399	-.00647	.00352	-.00135

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00008	-.00796	.00030	-.00021	-.00112	.00020
Stddev	.00009	.00013	.02657	.00036	.00039	.00041	.00066
%RSD	164.49	153.77	333.96	120.21	186.41	36.913	331.05

#1	.00008	.00023	-.03692	.00049	.00024	-.00067	.00064
#2	.00014	-.00002	-.00226	-.00012	-.00044	-.00120	-.00056
#3	-.00005	.00004	.01531	.00052	-.00043	-.00148	.00051

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00025	-.06973	.00007	.00018	-.01683	.00017	-.00062
Stddev	.00008	.05322	.00031	.00029	.01003	.00018	.00002
%RSD	31.697	76.316	459.07	157.74	59.567	108.40	3.6216

#1	-.00017	-.08596	-.00019	-.00015	-.01419	.00023	-.00060
#2	-.00033	-.11295	-.00002	.00037	-.00839	.00031	-.00063
#3	-.00026	-.01029	.00042	.00034	-.02791	-.00004	-.00064

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.13559	-.00031	F -.06885	F -.01357	-.02975	-.00133	.00189
Stddev	.02586	.00013	.00934	.00035	.00142	.00034	.00276
%RSD	19.075	42.971	13.562	2.5972	4.7803	25.187	146.34

#1	-.10574	-.00045	-.07895	-.01317	-.03131	-.00104	-.00099
#2	-.14971	-.00027	-.06707	-.01372	-.02939	-.00126	.00215
#3	-.15133	-.00020	-.06054	-.01382	-.02854	-.00170	.00451

Sample Name: PB120781BL Acquired: 6/20/2019 14:47:30 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00161	-.0021	F -.02366	F 2.3729	F<.00000
Stddev	.00254	.0011	.01469	.2624	.56437
%RSD	158.21	54.20	62.067	11.057	310.13
#1	-.00382	-.0030	-.01172	2.5009	-.40803
#2	.00117	-.0025	-.01921	2.5468	-.59829
#3	-.00217	-.0008	-.04006	2.0711	.46037
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2291.3	27702.	1711.2	42.956	2574.0
Stddev	8.2	107.	12.7	2.082	8.8
%RSD	.35951	.38453	.74152	4.8465	.34370
#1	2283.5	27773.	1699.6	43.150	2563.8
#2	2299.9	27752.	1709.3	40.783	2579.2
#3	2290.5	27579.	1724.8	44.933	2579.0

Sample Name: PB120781BS Acquired: 6/20/2019 14:51:56 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.67801	1.6879	.83725	1.7039	.70413	1.7507	.18334
Stddev	.00239	.0017	.00071	.0049	.00449	.0277	.00163
%RSD	.35320	.09908	.08431	.28906	.63808	1.5826	.88884

#1	.68054	1.6877	.83705	1.7080	.70926	1.7248	.18172
#2	.67578	1.6863	.83804	1.6985	.70090	1.7475	.18498
#3	.67770	1.6896	.83667	1.7053	.70224	1.7799	.18332

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17473	.16349	1.1650	.37898	.17890	.28887	2.8653
Stddev	.00050	.00018	.0029	.00172	.00046	.00107	.0054
%RSD	.28722	.10863	.24853	.45401	.25945	.37028	.18711

#1	.17420	.16363	1.1640	.37826	.17942	.29010	2.8678
#2	.17482	.16355	1.1627	.37775	.17854	.28811	2.8591
#3	.17519	.16329	1.1682	.38095	.17872	.28841	2.8689

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19137	1.6740	.43207	.06836	2.5997	.28058	.17499
Stddev	.00096	.0891	.00063	.00004	.0299	.00047	.00020
%RSD	.50364	5.3200	.14624	.05640	1.1515	.16598	.11258

#1	.19035	1.5816	.43166	.06841	2.5660	.28040	.17518
#2	.19149	1.7593	.43280	.06835	2.6233	.28112	.17478
#3	.19226	1.6812	.43175	.06833	2.6097	.28024	.17500

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.7850	.37469	F .19245	F -.02125	.82960	.58864	.17926
Stddev	.1118	.00064	.01418	.00345	.03140	.00102	.00608
%RSD	1.2731	.17024	7.3695	16.229	3.7848	.17306	3.3913

#1	8.6561	.37539	.17607	-.02440	.79794	.58752	.17244
#2	8.8566	.37453	.20055	-.02177	.83014	.58888	.18122
#3	8.8423	.37415	.20071	-.01756	.86073	.58951	.18411

Sample Name: PB120781BS Acquired: 6/20/2019 14:51:56 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18868	F 4.578	F 12.079	F 2.8041	F<.00000
Stddev	.01073	.011	.526	.3033	.20048
%RSD	5.6861	.2397	4.3538	10.816	25.902
#1	.17784	4.591	11.495	2.5403	-.69921
#2	.18889	4.574	12.224	3.1355	-.62167
#3	.19930	4.571	12.516	2.7366	-1.0011
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2309.7	27914.	1712.3	43.036	2570.1
Stddev	10.6	53.	60.6	3.472	6.9
%RSD	.45803	.19021	3.5403	8.0665	.26983
#1	2298.4	27960.	1776.2	46.933	2564.2
#2	2311.6	27927.	1705.0	41.900	2568.3
#3	2319.3	27856.	1655.6	40.275	2577.7

Sample Name: LR CHECK 1 Acquired: 6/20/2019 15:17:36 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.03981	.34873	-.22699	.07866	2100.3	.01362	.03688
Stddev	.00922	.00377	.00649	.01018	.00963	52.4	.00122	.00075
%RSD	4671.6	9.4742	1.8609	4.4836	12.241	2.4962	8.9664	2.0408

#1	-.00768	.04376	.34741	-.23714	.08050	2040.6	.01491	.03625
#2	.01034	.03944	.35577	-.22704	.06824	2138.9	.01248	.03668
#3	-.00207	.03624	.34300	-.21678	.08723	2121.3	.01346	.03771

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15007	1920.4	-.09540	.08838	.40686	925.99	-.05305	1933.5
Stddev	.00296	19.7	.00211	.00090	.01240	10.67	.00022	22.8
%RSD	1.9743	1.0284	2.2132	1.0218	3.0471	1.1529	.42241	1.1811

#1	.15295	1897.9	-.09329	.08753	.42118	914.15	-.05280	1907.3
#2	.15025	1935.1	-.09751	.08933	.39950	934.87	-.05321	1949.2
#3	.14703	1928.0	-.09542	.08830	.39992	928.96	-.05315	1943.9

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.07230	-.15489	1956.6	.01200	.39430	1036.4	-.00633	-2.0470
Stddev	.00259	.00263	18.3	.00050	.00724	6.0	.00091	.0400
%RSD	3.5856	1.6974	.93457	4.1499	1.8351	.58248	14.331	1.9555

#1	-.07511	-.15189	1935.5	.01257	.40133	1031.9	-.00617	-2.0244
#2	-.07001	-.15681	1967.3	.01171	.39469	1043.2	-.00731	-2.0933
#3	-.07177	-.15596	1966.9	.01171	.38688	1034.0	-.00551	-2.0235

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15709	-.01613	.07439	-.06620	.01069	.0783	-.15591	<.00000
Stddev	.00426	.00213	.00083	.00389	.00198	.0046	.01637	.66699
%RSD	2.7111	13.200	1.1094	5.8763	18.543	5.859	10.500	20.552

#1	.16059	-.01699	.07446	-.07066	.01279	.0798	-.13701	-3.4470
#2	.15235	-.01770	.07518	-.06351	.01045	.0820	-.16572	-2.5009
#3	.15833	-.01371	.07353	-.06443	.00884	.0732	-.16501	-3.7883

Sample Name: LR CHECK 1 Acquired: 6/20/2019 15:17:36 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg ^ *****
 Stddev -----
 %RSD -----

#1 ^ -----
 #2 ^ -----
 #3 ^ -----

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1678.2	19603.	1512.8	34.161	1153.2
Stddev	9.1	217.	11.1	1.025	7.9
%RSD	.54515	1.1093	.73289	2.9998	.68516

#1	1668.4	19846.	1501.8	33.515	1146.6
#2	1679.8	19425.	1512.7	35.343	1151.1
#3	1686.5	19540.	1523.9	33.627	1161.9

Sample Name: LR CHECK 2 Acquired: 6/20/2019 15:22:26 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00141	-.00089	256.86	.02820	-.03887	-.31807	F 1.9809	-.00326
Stddev	.00115	.00159	2.35	.00184	.00145	.02822	.0138	.00004
%RSD	81.419	177.33	.91656	6.5230	3.7266	8.8708	.69861	1.0902
#1	.00077	.00065	255.91	.03006	-.03897	-.28654	1.9967	-.00324
#2	.00073	-.00082	255.14	.02638	-.04026	-.32673	1.9706	-.00330
#3	.00274	-.00252	259.54	.02816	-.03737	-.34094	1.9755	-.00324
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00883	.11829	-.13517	.01057	258.98	-.81310	43.466	-.13944
Stddev	.00008	.00286	.00136	.00013	2.00	.00803	.330	.04791
%RSD	.85632	2.4139	1.0093	1.2538	.77353	.98761	.75819	34.363
#1	-.00885	.11994	-.13460	.01055	256.84	-.80790	43.658	-.17540
#2	-.00875	.11994	-.13419	.01071	259.27	-.80905	43.085	-.15786
#3	-.00889	.11499	-.13673	.01045	260.82	-.82235	43.655	-.08504
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	47.913	.00718	12.553	-.09988	36.369	1.7124	-.01201	-.09324
Stddev	.462	.00028	.064	.00039	.203	.0364	.00002	.01314
%RSD	.96501	3.9060	.51353	.39041	.55767	2.1241	.14999	14.093
#1	47.751	.00686	12.627	-.10029	36.442	1.6933	-.01199	-.08267
#2	47.554	.00739	12.516	-.09983	36.140	1.7544	-.01202	-.08911
#3	48.435	.00729	12.514	-.09951	36.526	1.6896	-.01202	-.10796
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02720	-.04106	-.00052	-.00027	-.00153	-1.084	.00260	2.2559
Stddev	.00365	.00158	.00044	.00297	.00215	.009	.01207	.2547
%RSD	13.432	3.8526	85.003	1112.0	140.62	.8388	463.85	11.291
#1	.02873	-.04240	-.00001	-.00320	-.00390	-1.078	.01581	2.2943
#2	.02983	-.03932	-.00071	-.00034	.00030	-1.079	-.00014	1.9842
#3	.02303	-.04147	-.00083	.00273	-.00099	-1.094	-.00786	2.4893

Sample Name: LR CHECK 2 Acquired: 6/20/2019 15:22:26 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	.49805
Stddev	.27741
%RSD	55.699

#1	.70819
#2	.60237
#3	.18361

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2267.6	29436.	1799.0	44.668	2520.3
Stddev	18.3	212.	6.6	.803	16.8
%RSD	.80551	.72071	.36946	1.7976	.66794

#1	2279.1	29233.	1791.5	43.836	2527.7
#2	2277.1	29656.	1804.1	44.730	2532.1
#3	2246.5	29420.	1801.5	45.438	2501.0

Sample Name: K3193-01DLX10 Acquired: 6/20/2019 15:32:11 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03300	.00287	.50129	.01230	-.00627	57.039	.62308	.00566
Stddev	.00212	.00103	.00407	.00157	.00232	.441	.00609	.00018
%RSD	6.4154	35.904	.81102	12.780	36.999	.77360	.97742	3.1712
#1	.03463	.00349	.49690	.01355	-.00894	56.591	.61737	.00557
#2	.03061	.00168	.50203	.01054	-.00510	57.051	.62239	.00554
#3	.03377	.00342	.50493	.01282	-.00477	57.473	.62949	.00587
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00109	74.460	.16820	.04715	.31183	112.91	3.1070	124.61
Stddev	.00021	.589	.00195	.00040	.00296	.60	.0037	1.91
%RSD	19.514	.79110	1.1594	.85617	.94877	.53303	.12042	1.5315
#1	.00111	73.906	.16632	.04762	.30842	113.31	3.1038	122.57
#2	.00129	74.395	.16807	.04688	.31332	112.21	3.1061	124.90
#3	.00087	75.079	.17021	.04696	.31375	113.20	3.1111	126.35
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09730	-.00288	804.76	.14700	1.0709	52.672	.02098	.40193
Stddev	.00073	.00071	8.20	.00036	.0097	.706	.00033	.01780
%RSD	.75485	24.777	1.0187	.24539	.90771	1.3402	1.5813	4.4288
#1	.09708	-.00335	810.73	.14669	1.0603	51.892	.02108	.42164
#2	.09670	-.00206	808.14	.14691	1.0730	52.856	.02125	.38704
#3	.09812	-.00322	795.42	.14740	1.0794	53.268	.02061	.39710
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 34.072	2.4787	.03123	1.8599	.19314	2.371	F 48.675	4.1594
Stddev	.358	.0513	.00022	.0527	.01540	.022	1.359	.1588
%RSD	1.0513	2.0699	.69398	2.8363	7.9740	.9289	2.7912	3.8182
#1	33.733	2.4277	.03131	1.7992	.17547	2.347	47.115	4.2977
#2	34.036	2.5303	.03099	1.8949	.20371	2.375	49.604	3.9860
#3	34.447	2.4782	.03140	1.8855	.20024	2.390	49.305	4.1944

Sample Name: K3193-01DLX10 Acquired: 6/20/2019 15:32:11 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	32.883
Stddev	.275
%RSD	.83550

#1	33.119
#2	32.582
#3	32.949

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2197.8	25679.	1776.7	40.565	1926.0
Stddev	14.6	10.	35.0	1.067	13.7
%RSD	.66234	.03736	1.9697	2.6299	.71139

#1	2214.4	25678.	1815.0	41.742	1941.4
#2	2191.5	25690.	1746.4	40.293	1921.5
#3	2187.4	25671.	1768.6	39.661	1915.1

Sample Name: K3193-02DLX10 Acquired: 6/20/2019 15:36:39 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00916	.00413	1.5801	.00605	-.00543	10.307	.19677	.00097
Stddev	.00112	.00088	.0135	.00235	.00290	.148	.00275	.00010
%RSD	12.217	21.226	.85646	38.765	53.424	1.4396	1.3980	10.265
#1	.01043	.00313	1.5703	.00867	-.00781	10.375	.19770	.00099
#2	.00829	.00450	1.5955	.00535	-.00627	10.410	.19893	.00106
#3	.00878	.00477	1.5744	.00414	-.00220	10.137	.19367	.00087
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00035	49.931	.02510	.00696	.09167	18.855	.62896	101.22
Stddev	.00006	.549	.00038	.00023	.00109	.153	.00634	1.08
%RSD	18.158	1.0997	1.5231	3.3759	1.1924	.80880	1.0081	1.0661
#1	-.00039	50.151	.02467	.00679	.09072	18.831	.62799	101.60
#2	-.00028	50.335	.02537	.00723	.09286	19.018	.63573	102.06
#3	-.00039	49.305	.02527	.00686	.09142	18.716	.62316	100.01
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01047	.00028	800.20	.02634	.11878	43.358	.00342	.40060
Stddev	.00031	.00017	4.62	.00051	.00115	.226	.00018	.01398
%RSD	2.9204	59.417	.57750	1.9262	.96986	.52021	5.2007	3.4902
#1	.01047	.00009	804.41	.02609	.11793	43.449	.00352	.40464
#2	.01078	.00040	800.93	.02693	.12009	43.525	.00353	.38505
#3	.01017	.00035	795.25	.02601	.11832	43.102	.00322	.41212
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.5211	2.2305	-.00161	.48872	.10851	1.175	F 48.276	6.9332
Stddev	.0601	.0191	.00052	.00215	.00116	.009	.495	.4298
%RSD	.79942	.85475	32.153	.44091	1.0701	.7262	1.0243	6.1994
#1	7.4807	2.2221	-.00120	.48623	.10770	1.167	48.152	7.1085
#2	7.5902	2.2172	-.00145	.49002	.10800	1.184	47.855	7.2476
#3	7.4924	2.2524	-.00219	.48990	.10984	1.175	48.821	6.4434

Sample Name: K3193-02DLX10 Acquired: 6/20/2019 15:36:39 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg 6.3779
Stddev .4179
%RSD 6.5530

#1 6.0008
#2 6.8273
#3 6.3057

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2050.7	24184.	1645.2	40.109	1966.6
Stddev	11.8	225.	11.6	2.063	13.2
%RSD	.57696	.93171	.70341	5.1441	.67141

#1	2053.9	24152.	1654.3	40.892	1972.1
#2	2037.6	23976.	1649.2	41.667	1951.5
#3	2060.6	24423.	1632.2	37.769	1976.1

Sample Name: K3159-05 Acquired: 6/20/2019 15:41:04 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03634	.00141	.44067	.01868	-.00558	123.51	.66962	.00988
Stddev	.00109	.00123	.00076	.00457	.00097	.51	.00429	.00016
%RSD	3.0036	86.933	.17351	24.467	17.449	.40939	.64018	1.6546
#1	.03722	.00016	.44063	.01425	-.00667	123.73	.66582	.01006
#2	.03512	.00261	.43993	.02338	-.00481	122.93	.66878	.00982
#3	.03670	.00147	.44146	.01842	-.00524	123.87	.67426	.00975
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00625	95.074	.15956	.12648	.33757	191.97	3.4971	57.471
Stddev	.00014	.270	.00077	.00084	.00030	.60	.0046	.273
%RSD	2.1906	.28444	.48073	.66259	.08832	.30997	.13224	.47524
#1	.00640	94.818	.15973	.12714	.33764	191.29	3.5019	57.156
#2	.00615	95.048	.15873	.12553	.33782	192.22	3.4966	57.641
#3	.00619	95.357	.16024	.12676	.33724	192.39	3.4927	57.617
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18720	-.00634	7.9592	.39920	.66009	15.209	.00495	-.01837
Stddev	.00032	.00061	.0351	.00130	.00133	.057	.00020	.00824
%RSD	.17306	9.6741	.44073	.32554	.20086	.37737	4.0007	44.882
#1	.18757	-.00691	7.9453	.40032	.66091	15.167	.00489	-.02289
#2	.18709	-.00569	7.9331	.39777	.65856	15.186	.00517	-.00885
#3	.18695	-.00642	7.9991	.39950	.66080	15.275	.00478	-.02336
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.5583	3.0518	.01740	3.4870	.13734	7.289	F 13.265	<.00000
Stddev	.0120	.0128	.00098	.0140	.00305	.016	.056	.64947
%RSD	.26292	.41880	5.6609	.40143	2.2204	.2245	.41946	11.350
#1	4.5483	3.0527	.01740	3.4723	.13383	7.278	13.224	-4.9727
#2	4.5716	3.0386	.01641	3.4884	.13883	7.282	13.243	-6.1189
#3	4.5550	3.0641	.01838	3.5002	.13936	7.308	13.328	-6.0751

Sample Name: K3159-05 Acquired: 6/20/2019 15:41:04 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	63.981
Stddev	.102
%RSD	.15919

#1	64.077
#2	63.990
#3	63.874

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2872.2	34193.	2215.3	41.883	2182.7
Stddev	6.1	123.	5.7	.960	2.7
%RSD	.21070	.35906	.25625	2.2928	.12297

#1	2865.5	34194.	2213.5	42.848	2180.3
#2	2873.9	34315.	2221.7	41.874	2185.6
#3	2877.2	34069.	2210.9	40.927	2182.1

Sample Name: CCV02 Acquired: 6/20/2019 15:53:08 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV15155 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.7978	4.6946	4.6469	4.7975	4.8225	9.3125	9.6803	.24014
Stddev	.0213	.0054	.0065	.0202	.0183	.1914	.1212	.00248
%RSD	.44453	.11594	.14002	.42180	.37977	2.0557	1.2519	1.0344
#1	4.7774	4.6899	4.6520	4.7932	4.8278	9.1829	9.5985	.23832
#2	4.8200	4.7006	4.6491	4.8195	4.8375	9.5324	9.8195	.24297
#3	4.7962	4.6934	4.6396	4.7798	4.8021	9.2223	9.6228	.23913
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3220	23.723	.93616	2.3381	1.2022	4.8251	2.4111	23.720
Stddev	.0011	.355	.00845	.0031	.0042	.0568	.0254	.375
%RSD	.04558	1.4983	.90249	.13212	.35096	1.1761	1.0539	1.5824
#1	2.3213	23.411	.93246	2.3416	1.1981	4.7886	2.3957	23.409
#2	2.3214	24.110	.94582	2.3359	1.2065	4.8905	2.4405	24.137
#3	2.3232	23.648	.93018	2.3368	1.2020	4.7962	2.3973	23.615
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3303	1.2216	23.658	2.3936	2.3399	23.952	4.8322	4.7853
Stddev	.0015	.0123	.305	.0289	.0021	.198	.0186	.0730
%RSD	.06605	1.0103	1.2904	1.2086	.08954	.82656	.38485	1.5260
#1	2.3285	1.2157	23.447	2.3788	2.3423	23.870	4.8208	4.7218
#2	2.3314	1.2358	24.008	2.4269	2.3384	24.178	4.8536	4.8651
#3	2.3310	1.2133	23.518	2.3751	2.3391	23.809	4.8221	4.7690
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.5908	4.9322	4.6647	4.7397	4.9347	4.648	F 255.94	4.9128
Stddev	.0070	.1660	.0053	.1719	.1698	.016	9.05	.3039
%RSD	.15183	3.3648	.11299	3.6273	3.4403	.3444	3.5356	6.1868
#1	4.5834	4.8761	4.6661	4.6547	4.8889	4.659	253.25	4.5989
#2	4.5918	5.1189	4.6589	4.9376	5.1227	4.630	266.03	5.2057
#3	4.5973	4.8016	4.6691	4.6269	4.7926	4.656	248.55	4.9337

Sample Name: CCV02 Acquired: 6/20/2019 15:53:08 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV15155 Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 1.9873
Stddev .0702
%RSD 3.5325

#1 1.9564
#2 2.0677
#3 1.9379

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2189.7	26111.	1656.9	41.446	2221.4
Stddev	10.5	218.	51.5	2.110	6.6
%RSD	.48060	.83354	3.1087	5.0906	.29551

#1	2188.2	26147.	1661.8	41.417	2215.4
#2	2180.0	25878.	1603.1	39.351	2220.5
#3	2200.9	26309.	1705.8	43.571	2228.4

Sample Name: CCB02 Acquired: 6/20/2019 15:57:06 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB15155 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00272	.00077	.00215	.00131	-.00257	-.00341	.00012
Stddev	.00476	.00033	.00032	.00056	.00044	.01920	.00068
%RSD	174.99	42.358	15.052	42.342	17.122	563.15	551.19

#1	-.00213	.00097	.00179	.00195	-.00255	.01428	-.00047
#2	.00739	.00095	.00241	.00105	-.00214	-.02383	.00086
#3	.00290	.00039	.00224	.00094	-.00301	-.00068	-.00002

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00009	-.01957	-.00012	-.00016	-.00096	-.00013
Stddev	.00007	.00006	.01187	.00050	.00022	.00041	.00057
%RSD	117.86	67.062	60.678	404.17	132.03	42.873	424.68

#1	.00014	.00014	-.00586	.00034	.00006	-.00139	.00037
#2	.00004	.00011	-.02674	-.00005	-.00037	-.00056	-.00003
#3	.00000	.00002	-.02610	-.00065	-.00018	-.00095	-.00075

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	-.02066	.00013	.00094	.17426	.00005	-.00012
Stddev	.00005	.02897	.00028	.00049	.02031	.00062	.00007
%RSD	23.797	140.20	220.85	51.942	11.655	1129.4	55.805

#1	-.00026	-.05405	-.00011	.00043	.15101	-.00038	-.00006
#2	-.00026	-.00586	.00006	.00140	.18852	.00076	-.00019
#3	-.00016	-.00209	.00044	.00098	.18325	-.00021	-.00012

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03584	.00062	F -.07041	F -.01134	-.02378	.00049	.00194
Stddev	.06990	.00028	.01226	.00024	.00302	.00052	.00156
%RSD	195.04	45.290	17.415	2.1005	12.703	105.74	80.543

#1	.03412	.00088	-.05664	-.01107	-.02680	.00079	.00235
#2	-.03319	.00064	-.07446	-.01151	-.02380	.00079	.00021
#3	.10659	.00032	-.08014	-.01144	-.02075	-.00011	.00325

Sample Name: CCB02 Acquired: 6/20/2019 15:57:06 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCB15155 Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00364	-.0012	-.01444	F 2.9374	F .30311
Stddev	.00084	.0010	.00351	.1751	.29837
%RSD	23.087	79.30	24.329	5.9618	98.436

#1	-.00403	-.0023	-.01847	2.7364	.38208
#2	-.00422	-.0012	-.01202	3.0568	-.02680
#3	-.00268	-.0003	-.01282	3.0190	.55406

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2267.0	27290.	1683.4	42.889	2562.2
Stddev	4.9	58.	51.9	1.001	3.4
%RSD	.21623	.21330	3.0815	2.3341	.13169

#1	2271.0	27357.	1727.3	41.733	2565.9
#2	2268.5	27266.	1696.8	43.442	2561.2
#3	2261.6	27248.	1626.2	43.492	2559.4

Sample Name: K3159-07 Acquired: 6/20/2019 16:01:35 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02598	.00352	.21832	.01971	-.00577	122.88	.62761	.00893
Stddev	.00166	.00154	.00141	.00061	.00228	.24	.00301	.00007
%RSD	6.3805	43.711	.64414	3.0855	39.457	.19747	.47994	.81301
#1	.02766	.00175	.21793	.01916	-.00718	122.61	.62414	.00900
#2	.02593	.00424	.21988	.01960	-.00698	123.09	.62954	.00895
#3	.02434	.00456	.21715	.02036	-.00314	122.94	.62915	.00886
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00391	74.835	.16334	.13204	.40023	194.56	4.9399	62.580
Stddev	.00013	.276	.00090	.00040	.00176	.77	.0193	.554
%RSD	3.3683	.36913	.54886	.30352	.44027	.39416	.39061	.88562
#1	.00406	74.520	.16248	.13228	.40085	193.95	4.9273	61.945
#2	.00380	75.037	.16427	.13226	.40160	195.42	4.9621	62.833
#3	.00388	74.948	.16328	.13158	.39824	194.32	4.9303	62.963
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21663	-.00554	6.4802	.36549	.56861	15.206	.00265	-.05759
Stddev	.00068	.00044	.0271	.00138	.00145	.069	.00006	.01311
%RSD	.31366	7.8777	.41759	.37694	.25530	.45334	2.1260	22.766
#1	.21736	-.00569	6.4623	.36412	.57017	15.127	.00267	-.06884
#2	.21650	-.00504	6.4670	.36687	.56835	15.240	.00259	-.04319
#3	.21602	-.00587	6.5113	.36549	.56730	15.251	.00269	-.06075
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.5353	3.5869	.01698	3.5518	.13890	6.701	9.8991	<.00000
Stddev	.0123	.0207	.00052	.0130	.00211	.025	.0313	.44152
%RSD	.34698	.57589	3.0819	.36591	1.5185	.3715	.31649	11.153
#1	3.5482	3.5994	.01638	3.5629	.13698	6.729	9.9195	-4.4623
#2	3.5339	3.5984	.01731	3.5375	.13856	6.689	9.8631	-3.7756
#3	3.5238	3.5631	.01725	3.5550	.14116	6.684	9.9148	-3.6382

Sample Name: K3159-07 Acquired: 6/20/2019 16:01:35 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	60.731
Stddev	.637
%RSD	1.0490

#1	60.410
#2	61.465
#3	60.319

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2679.1	31975.	2052.6	42.651	2227.0
Stddev	9.9	34.	7.4	.863	7.4
%RSD	.36912	.10691	.35848	2.0234	.33371

#1	2675.6	32005.	2044.3	43.364	2219.5
#2	2671.5	31982.	2058.4	42.897	2227.2
#3	2690.3	31938.	2055.1	41.692	2234.3

Sample Name: K3418-01 Acquired: 6/20/2019 16:06:11 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 71630 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00522	.00174	.00367	.00313	.03535	.09450	.44013	.00003
Stddev	.00298	.00041	.00074	.00312	.00266	.02018	.00245	.00007
%RSD	57.047	23.622	20.238	99.736	7.5384	21.350	.55771	226.03
#1	.00700	.00210	.00406	.00044	.03768	.11633	.43733	.00006
#2	.00687	.00129	.00282	.00239	.03592	.09065	.44113	-.00005
#3	.00178	.00183	.00415	.00656	.03244	.07653	.44192	.00007
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	39.165	-.00060	.00004	.01232	.07790	.06121	12.934
Stddev	.00004	.262	.00030	.00015	.00032	.00055	.00019	.126
%RSD	47.974	.66794	49.166	346.03	2.6231	.70004	.30610	.97644
#1	-.00009	38.864	-.00028	-.00002	.01258	.07824	.06136	12.793
#2	-.00005	39.332	-.00067	.00022	.01196	.07819	.06127	12.970
#3	-.00014	39.300	-.00086	-.00006	.01241	.07728	.06100	13.038
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00571	.00044	2.8704	.00016	.09691	47.356	.00013	-.08002
Stddev	.00019	.00031	.0211	.00049	.00024	.227	.00017	.01982
%RSD	3.3793	69.938	.73374	313.74	.24956	.47894	129.78	24.769
#1	.00571	.00080	2.8469	.00002	.09718	47.111	.00032	-.06117
#2	.00552	.00029	2.8768	-.00025	.09672	47.398	-.00001	-.07821
#3	.00591	.00024	2.8875	.00071	.09684	47.558	.00008	-.10068
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.54702	7.1716	-.00338	.00329	-.01101	.0529	F 23.123	3.8738
Stddev	.00118	.0503	.00057	.00277	.00212	.0025	.077	.3964
%RSD	.21583	.70091	16.879	84.238	19.284	4.710	.33092	10.234
#1	.54780	7.2169	-.00384	.00645	-.01318	.0519	23.034	4.1999
#2	.54566	7.1175	-.00355	.00130	-.00893	.0557	23.166	3.9889
#3	.54760	7.1805	-.00274	.00211	-.01093	.0510	23.168	3.4325

Sample Name: K3418-01 Acquired: 6/20/2019 16:06:11 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: 71630 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	1.0876
Stddev	.4764
%RSD	43.805

#1	1.5275
#2	.58156
#3	1.1537

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2220.4	26781.	1702.5	41.692	2404.0
Stddev	9.9	17.	5.9	.685	9.5
%RSD	.44406	.06301	.34595	1.6441	.39515

#1	2215.1	26789.	1695.7	41.401	2399.6
#2	2214.3	26762.	1706.6	42.475	2397.5
#3	2231.8	26792.	1705.1	41.200	2414.9

Sample Name: K3448-02 Acquired: 6/20/2019 16:10:36 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: M-2(0-10) Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02603	-.00666	.09972	.01403	-.00408	101.18	1.0864	.00880
Stddev	.00207	.00120	.00248	.00448	.00149	.78	.0106	.00013
%RSD	7.9448	17.968	2.4870	31.926	36.534	.76955	.97693	1.4224
#1	.02748	-.00657	.09692	.01220	-.00523	100.49	1.0757	.00878
#2	.02694	-.00789	.10060	.01913	-.00239	101.03	1.0866	.00869
#3	.02366	-.00551	.10164	.01075	-.00462	102.02	1.0969	.00894
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00717	326.45	.25233	.14222	.33035	189.01	4.6019	177.83
Stddev	.00025	2.06	.00061	.00084	.00220	.57	.0316	1.07
%RSD	3.5203	.63072	.24221	.58813	.66670	.30034	.68740	.60022
#1	.00733	324.22	.25183	.14203	.33288	188.42	4.5656	176.96
#2	.00729	326.87	.25216	.14313	.32932	189.05	4.6169	177.50
#3	.00688	328.27	.25301	.14149	.32886	189.56	4.6233	179.02
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29142	-.00782	3.6134	.35370	.71442	39.954	.00491	-.12376
Stddev	.00182	.00083	.0240	.00234	.00188	.256	.00026	.01103
%RSD	.62442	10.646	.66459	.66167	.26368	.63987	5.2285	8.9118
#1	.28992	-.00729	3.5867	.35219	.71401	39.664	.00465	-.13439
#2	.29345	-.00878	3.6199	.35251	.71648	40.052	.00517	-.12453
#3	.29089	-.00740	3.6334	.35639	.71278	40.147	.00490	-.11237
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 16.609	3.1023	.00758	7.5132	.13340	F 12.25	F 21.521	<.00000
Stddev	.015	.0482	.00122	.0634	.00097	.02	.220	.32801
%RSD	.09154	1.5536	16.141	.84361	.72731	.1728	1.0241	17.548
#1	16.602	3.0920	.00788	7.4461	.13234	12.24	21.369	-2.2476
#2	16.627	3.1548	.00863	7.5721	.13364	12.27	21.774	-1.6670
#3	16.599	3.0601	.00624	7.5215	.13424	12.24	21.420	-1.6928

Sample Name: K3448-02 Acquired: 6/20/2019 16:10:36 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: M-2(0-10) Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	60.515
Stddev	.654
%RSD	1.0805

#1	60.914
#2	59.760
#3	60.870

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2580.3	30954.	2044.4	40.408	2012.2
Stddev	6.9	64.	17.7	1.141	11.6
%RSD	.26828	.20577	.86641	2.8247	.57496

#1	2578.7	30930.	2040.4	41.375	2017.9
#2	2574.4	31026.	2029.1	39.149	1998.9
#3	2587.9	30905.	2063.8	40.700	2019.7

Sample Name: K3448-04 Acquired: 6/20/2019 16:15:10 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: M-3(0-10) Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03983	-.00112	.61651	.02224	-.00384	102.41	1.0001	.00935
Stddev	.00089	.00118	.00208	.00561	.00148	.44	.0063	.00020
%RSD	2.2392	105.13	.33812	25.210	38.652	.43195	.63424	2.1617

#1	.04070	-.00169	.61749	.02856	-.00430	101.90	.99291	.00913
#2	.03987	.00023	.61792	.01787	-.00504	102.65	1.0024	.00952
#3	.03892	-.00191	.61411	.02028	-.00218	102.69	1.0050	.00940

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00608	62.122	.21535	.11780	.44456	210.24	7.2262	41.018
Stddev	.00014	.226	.00041	.00074	.00169	.39	.0414	.097
%RSD	2.2348	.36457	.18930	.62601	.38124	.18590	.57260	.23702

#1	.00609	61.860	.21505	.11807	.44280	209.95	7.2223	40.915
#2	.00620	62.252	.21519	.11836	.44618	210.69	7.1868	41.108
#3	.00593	62.253	.21582	.11696	.44470	210.09	7.2693	41.031

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27478	-.00596	1.1197	.30924	1.1550	16.258	.00762	-.11693
Stddev	.00038	.00034	.0165	.00063	.0044	.071	.00026	.02359
%RSD	.13907	5.6961	1.4705	.20402	.38438	.43723	3.4332	20.176

#1	.27434	-.00618	1.1023	.30856	1.1545	16.188	.00732	-.08988
#2	.27501	-.00613	1.1217	.30934	1.1596	16.256	.00776	-.12765
#3	.27500	-.00557	1.1350	.30981	1.1508	16.330	.00779	-.13326

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.70344	3.6973	.08285	4.5831	.09271	6.341	9.4901	<.00000
Stddev	.00326	.0611	.00157	.0342	.00274	.019	.0358	.37944
%RSD	.46308	1.6525	1.8958	.74716	2.9512	.2953	.37735	7.9551

#1	.70067	3.7473	.08170	4.5897	.09257	6.332	9.5202	-4.7147
#2	.70261	3.6292	.08464	4.5461	.09004	6.362	9.4505	-4.4209
#3	.70703	3.7154	.08221	4.6137	.09551	6.327	9.4995	-5.1737

Sample Name: K3448-04 Acquired: 6/20/2019 16:15:10 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: M-3(0-10) Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	65.415
Stddev	.134
%RSD	.20559

#1	65.262
#2	65.516
#3	65.467

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2744.0	32643.	2103.8	42.683	2258.7
Stddev	6.0	62.	19.8	1.349	9.6
%RSD	.21838	.18941	.94265	3.1598	.42707

#1	2746.1	32582.	2081.1	41.126	2263.1
#2	2737.3	32705.	2117.6	43.427	2247.7
#3	2748.7	32641.	2112.7	43.497	2265.4

Sample Name: K3450-01 Acquired: 6/20/2019 16:19:44 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: DAM-CONCRETE Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04216	-.00375	.09056	-.01021	-.00025	191.49	1.4080	.00783
Stddev	.00136	.00266	.00340	.00240	.00247	1.68	.0146	.00015
%RSD	3.2183	70.918	3.7521	23.558	976.79	.87931	1.0358	1.9251
#1	.04366	-.00073	.09275	-.00788	-.00303	190.84	1.4027	.00766
#2	.04181	-.00480	.09229	-.01005	.00054	193.41	1.4245	.00793
#3	.04102	-.00572	.08665	-.01268	.00172	190.24	1.3969	.00791
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00144	F 1961.1	.10073	.03613	.08314	87.930	2.7069	76.055
Stddev	.00007	11.9	.00093	.00049	.00041	.382	.0016	.810
%RSD	5.0133	.60597	.92403	1.3544	.48892	.43431	.05782	1.0648
#1	.00136	1956.9	.10077	.03567	.08284	88.365	2.7080	75.768
#2	.00151	1974.5	.10164	.03607	.08360	87.650	2.7076	76.969
#3	.00145	1951.9	.09978	.03664	.08298	87.775	2.7051	75.428
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07395	-.00340	3.1444	.17105	.26702	13.499	.00225	.20250
Stddev	.00021	.00055	.0336	.00015	.00090	.121	.00007	.02030
%RSD	.27959	16.163	1.0679	.09014	.33803	.89871	3.0622	10.025
#1	.07373	-.00280	3.1058	.17122	.26604	13.441	.00233	.17935
#2	.07396	-.00351	3.1673	.17094	.26780	13.639	.00223	.21087
#3	.07414	-.00389	3.1600	.17098	.26723	13.418	.00220	.21727
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 37.165	.81256	-.08845	5.9563	.09281	7.991	F 501.20	5.8222
Stddev	.206	.01021	.00086	.0114	.00406	.029	.92	.3134
%RSD	.55499	1.2561	.97414	.19207	4.3695	.3683	.18433	5.3825
#1	37.001	.81223	-.08907	5.9690	.08826	7.969	502.18	6.1833
#2	37.396	.80252	-.08747	5.9530	.09414	8.024	500.35	5.6211
#3	37.097	.82292	-.08882	5.9469	.09604	7.978	501.07	5.6623

Sample Name: K3450-01 Acquired: 6/20/2019 16:19:44 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: DAM-CONCRETE Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	31.734
Stddev	.659
%RSD	2.0773

#1	31.712
#2	31.086
#3	32.404

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2157.9	25598.	1795.2	37.829	1840.8
Stddev	4.0	78.	14.1	2.229	3.4
%RSD	.18544	.30365	.78568	5.8915	.18703

#1	2157.8	25626.	1790.9	36.193	1844.2
#2	2154.0	25510.	1810.9	40.367	1837.3
#3	2162.0	25658.	1783.7	36.926	1841.0

Sample Name: K3455-01 Acquired: 6/20/2019 16:24:20 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-1-MH Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26734	.00885	55.280	.03267	1.1569	72.040	6.0034	.01551
Stddev	.00095	.00229	.177	.00196	.0009	.123	.0204	.00016
%RSD	.35721	25.849	.32100	6.0009	.07393	.17092	.34065	1.0627
#1	.26727	.01149	55.288	.03045	1.1561	72.032	6.0096	.01532
#2	.26833	.00773	55.098	.03342	1.1567	72.167	6.0200	.01558
#3	.26642	.00734	55.453	.03415	1.1578	71.921	5.9805	.01563
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06269	284.32	.29073	.10519	10.829	423.32	4.7509	38.930
Stddev	.00026	.58	.00147	.00021	.024	1.59	.0188	.105
%RSD	.41686	.20403	.50674	.19668	.21878	.37593	.39632	.26948
#1	.06288	284.62	.29128	.10495	10.822	424.03	4.7726	38.847
#2	.06280	284.68	.28906	.10530	10.809	421.50	4.7400	39.048
#3	.06240	283.65	.29184	.10531	10.855	424.43	4.7400	38.895
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24981	-.01578	5.0917	.25658	12.917	9.2779	.00662	-.29428
Stddev	.00084	.00170	.0063	.00282	.031	.0597	.00018	.01705
%RSD	.33540	10.764	.12292	1.0982	.23695	.64362	2.7772	5.7948
#1	.25026	-.01657	5.0958	.25966	12.923	9.2153	.00675	-.27884
#2	.25032	-.01694	5.0949	.25597	12.884	9.3343	.00669	-.31259
#3	.24884	-.01383	5.0845	.25412	12.945	9.2840	.00641	-.29142
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.8655	1.5310	8.3804	2.8214	.09557	F 15.71	F 33.697	<.00000
Stddev	.0199	.0233	.0168	.0142	.00308	.07	.190	.32158
%RSD	.33929	1.5200	.20055	.50267	3.2184	.4657	.56245	7.2161
#1	5.8870	1.5556	8.3782	2.8130	.09360	15.75	33.894	-4.7534
#2	5.8478	1.5093	8.3647	2.8134	.09912	15.62	33.516	-4.5010
#3	5.8616	1.5280	8.3981	2.8378	.09400	15.74	33.681	-4.1149

Sample Name: K3455-01 Acquired: 6/20/2019 16:24:20 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-1-MH Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 122.46
Stddev	1.08
%RSD	.88183

#1	123.71
#2	121.90
#3	121.78

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2418.9	29330.	1916.3	41.549	2058.1
Stddev	5.2	47.	15.4	2.646	5.2
%RSD	.21618	.15929	.80505	6.3683	.25475

#1	2423.9	29280.	1906.3	44.285	2059.6
#2	2419.4	29372.	1934.1	41.359	2062.5
#3	2413.5	29339.	1908.5	39.003	2052.3

Sample Name: K3455-03 Acquired: 6/20/2019 16:28:41 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-2-GIS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17082	-.00008	6.4287	.02533	.00650	129.15	1.0761	.01100
Stddev	.00302	.00051	.0150	.00131	.00274	.87	.0073	.00019
%RSD	1.7704	609.35	.23302	5.1682	42.089	.67621	.68288	1.7634
#1	.16969	-.00066	6.4255	.02573	.00873	128.18	1.0680	.01116
#2	.17424	.00030	6.4450	.02639	.00345	129.41	1.0781	.01104
#3	.16852	.00011	6.4156	.02387	.00732	129.86	1.0822	.01078
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01392	92.711	.26242	.16022	1.1953	244.63	5.3817	60.495
Stddev	.00022	.528	.00146	.00047	.0010	1.25	.0117	.488
%RSD	1.5453	.56950	.55800	.29310	.08194	.51089	.21683	.80623
#1	.01414	92.139	.26104	.16050	1.1964	243.98	5.3690	60.037
#2	.01391	92.815	.26396	.15968	1.1949	243.83	5.3839	60.441
#3	.01371	93.180	.26225	.16048	1.1946	246.07	5.3920	61.008
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29121	-.00603	7.7826	.48983	2.7415	4.9651	.00551	-.14498
Stddev	.00046	.00045	.0618	.00026	.0028	.0636	.00043	.01397
%RSD	.15714	7.3983	.79399	.05408	.10343	1.2803	7.8605	9.6375
#1	.29174	-.00605	7.7147	.49011	2.7446	4.8937	.00600	-.13492
#2	.29098	-.00557	7.7974	.48978	2.7407	5.0156	.00532	-.13909
#3	.29091	-.00646	7.8356	.48959	2.7391	4.9859	.00519	-.16094
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.3015	1.7280	.15792	5.0495	.11685	F 12.69	F 16.915	<.00000
Stddev	.0118	.0102	.00076	.0333	.00182	.03	.086	.11136
%RSD	.27454	.59117	.48430	.66009	1.5552	.2269	.51098	1.8288
#1	4.3146	1.7201	.15735	5.0131	.11481	12.65	16.815	-5.9661
#2	4.2917	1.7395	.15761	5.0567	.11830	12.71	16.967	-6.1183
#3	4.2983	1.7243	.15879	5.0786	.11744	12.70	16.963	-6.1830

Sample Name: K3455-03 Acquired: 6/20/2019 16:28:41 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-2-GIS Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	75.727
Stddev	.367
%RSD	.48504

#1	75.511
#2	75.518
#3	76.151

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2754.3	32652.	2128.2	41.741	2207.0
Stddev	1.9	117.	12.1	.475	1.8
%RSD	.06743	.35716	.56824	1.1372	.08362

#1	2754.0	32687.	2121.8	41.816	2204.9
#2	2756.3	32748.	2142.1	42.174	2208.5
#3	2752.6	32522.	2120.6	41.233	2207.5

Sample Name: K3455-05 Acquired: 6/20/2019 16:33:14 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-3-GIS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.55547	.00671	1.0960	.04103	.00515	79.728	.73761	.01277
Stddev	.00478	.00029	.0036	.00268	.00084	.317	.00255	.00031
%RSD	.86108	4.2693	.32938	6.5311	16.286	.39734	.34519	2.3896
#1	.55026	.00638	1.0991	.03794	.00611	79.371	.73614	.01282
#2	.55649	.00693	1.0969	.04262	.00456	79.841	.74055	.01244
#3	.55967	.00681	1.0920	.04255	.00478	79.973	.73614	.01305
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00630	100.13	.15074	.08102	.44678	378.14	3.5774	32.063
Stddev	.00034	.09	.00097	.00042	.00226	.82	.0031	.101
%RSD	5.4506	.08647	.64034	.51627	.50652	.21653	.08684	.31392
#1	.00643	100.04	.15073	.08067	.44451	378.43	3.5740	32.176
#2	.00657	100.15	.14979	.08148	.44680	377.21	3.5779	31.982
#3	.00592	100.21	.15172	.08090	.44904	378.77	3.5802	32.032
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11012	-.01842	3.4480	.31594	.51199	8.3172	.00808	-.24745
Stddev	.00158	.00087	.0292	.00216	.00195	.0316	.00018	.00162
%RSD	1.4386	4.7266	.84781	.68345	.38069	.38004	2.2340	.65372
#1	.11008	-.01843	3.4154	.31651	.51402	8.2840	.00810	-.24811
#2	.11173	-.01755	3.4719	.31355	.51014	8.3470	.00825	-.24560
#3	.10856	-.01929	3.4567	.31775	.51180	8.3206	.00789	-.24863
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 71.730	3.1027	.05072	3.9854	.09282	F 11.22	F 13.325	<.00000
Stddev	.097	.0491	.00064	.0069	.00253	.03	.038	.05135
%RSD	.13455	1.5811	1.2708	.17311	2.7210	.3092	.28591	1.2296
#1	71.841	3.1395	.05015	3.9887	.09574	11.23	13.363	-4.1329
#2	71.665	3.0470	.05061	3.9901	.09134	11.24	13.324	-4.2332
#3	71.684	3.1215	.05142	3.9775	.09139	11.18	13.287	-4.1639

Sample Name: K3455-05 Acquired: 6/20/2019 16:33:14 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-3-GIS Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 105.02
Stddev .53
%RSD .50313

#1 104.86
#2 105.61
#3 104.59

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2443.2	29166.	1869.5	42.330	2213.6
Stddev	15.9	59.	15.8	.613	8.0
%RSD	.65185	.20379	.84322	1.4470	.36063

#1	2433.2	29107.	1851.7	41.642	2207.0
#2	2461.6	29166.	1875.2	42.531	2222.5
#3	2434.9	29226.	1881.6	42.816	2211.4

Sample Name: K3455-05DUP Acquired: 6/20/2019 16:37:30 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-3-GISDUP Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.55601	.00779	1.0968	.04384	.00102	80.226	.74358	.01289
Stddev	.00347	.00030	.0027	.00566	.00222	.153	.00275	.00026
%RSD	.62349	3.8125	.25084	12.911	216.87	.19094	.37044	2.0399
#1	.55432	.00747	1.0953	.05034	.00175	80.083	.74126	.01261
#2	.56000	.00805	1.0952	.04114	-.00147	80.207	.74662	.01314
#3	.55371	.00785	1.1000	.04003	.00279	80.388	.74285	.01290
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00626	100.90	.15253	.08232	.44802	380.63	3.6069	32.716
Stddev	.00027	.10	.00112	.00044	.00214	.78	.0067	.337
%RSD	4.3534	.10243	.73454	.53213	.47726	.20475	.18585	1.0303
#1	.00606	100.79	.15234	.08277	.44678	380.72	3.6074	32.329
#2	.00615	101.00	.15373	.08190	.45049	381.37	3.6000	32.872
#3	.00657	100.91	.15151	.08230	.44679	379.81	3.6134	32.947
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11270	-.01860	3.4613	.31866	.51610	8.3806	.00861	-.25839
Stddev	.00066	.00003	.0238	.00145	.00024	.0384	.00026	.00433
%RSD	.58728	.16435	.68731	.45526	.04671	.45772	3.0184	1.6768
#1	.11274	-.01857	3.4394	.31842	.51636	8.3475	.00836	-.25776
#2	.11333	-.01862	3.4581	.32022	.51589	8.3717	.00860	-.26300
#3	.11201	-.01862	3.4866	.31735	.51605	8.4226	.00888	-.25440
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 72.078	3.1362	.05025	4.0531	.09474	F 11.23	F 13.509	<.00000
Stddev	.052	.0692	.00048	.0378	.00058	.02	.127	.14387
%RSD	.07197	2.2055	.95950	.93209	.61261	.2136	.93781	3.5453
#1	72.032	3.2154	.04997	4.0845	.09463	11.20	13.603	-4.2215
#2	72.068	3.0879	.04997	4.0637	.09422	11.23	13.558	-3.9505
#3	72.134	3.1052	.05081	4.0112	.09537	11.25	13.365	-4.0024

Sample Name: K3455-05DUP Acquired: 6/20/2019 16:37:30 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-3-GISDUP Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 105.19
Stddev .96
%RSD .91353

#1 105.71
#2 105.79
#3 104.09

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2437.5	29089.	1855.9	41.995	2208.5
Stddev	1.8	53.	28.0	1.584	2.4
%RSD	.07468	.18223	1.5111	3.7728	.11083

#1	2435.5	29077.	1825.7	40.286	2207.3
#2	2438.1	29042.	1860.9	42.283	2211.3
#3	2439.0	29147.	1881.1	43.416	2206.8

Sample Name: K3455-05LX5 Acquired: 6/20/2019 16:41:46 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12480	.00181	.21520	.01592	-.00421	17.554	.16288	.00261
Stddev	.00198	.00195	.00135	.00213	.00101	.045	.00077	.00011
%RSD	1.5893	108.14	.62547	13.388	23.906	.25669	.47522	4.2610
#1	.12339	.00003	.21376	.01837	-.00407	17.561	.16357	.00253
#2	.12394	.00389	.21643	.01448	-.00527	17.506	.16304	.00257
#3	.12706	.00150	.21539	.01491	-.00328	17.595	.16204	.00274
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00206	25.141	.03353	.01627	.15453	101.33	.81209	7.2727
Stddev	.00018	.120	.00068	.00023	.00042	.35	.00135	.0627
%RSD	8.8822	.47817	2.0149	1.4435	.27178	.34398	.16595	.86251
#1	-.00197	25.065	.03275	.01611	.15488	100.98	.81211	7.3217
#2	-.00227	25.078	.03399	.01654	.15464	101.32	.81073	7.2020
#3	-.00195	25.280	.03384	.01617	.15406	101.68	.81342	7.2944
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02242	-.00171	.70261	.07049	.09448	1.7105	.00161	-.09221
Stddev	.00051	.00046	.02045	.00022	.00013	.0305	.00030	.01174
%RSD	2.2804	26.869	2.9104	.30563	.14215	1.7848	18.885	12.730
#1	.02278	-.00154	.68668	.07071	.09455	1.6856	.00146	-.09425
#2	.02264	-.00136	.69548	.07050	.09433	1.7013	.00197	-.07958
#3	.02183	-.00223	.72566	.07028	.09457	1.7445	.00142	-.10279
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 14.029	.70211	.01065	.90035	.01186	2.176	2.9756	1.6658
Stddev	.008	.00439	.00054	.00464	.00266	.004	.0137	.2141
%RSD	.05937	.62516	5.1105	.51573	22.459	.1819	.46138	12.853
#1	14.020	.69813	.01128	.89511	.01028	2.180	2.9630	1.8271
#2	14.036	.70682	.01032	.90393	.01037	2.172	2.9737	1.7473
#3	14.030	.70138	.01036	.90203	.01494	2.177	2.9902	1.4229

Sample Name: K3455-05LX5 Acquired: 6/20/2019 16:41:46 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CRI Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	29.445
Stddev	.282
%RSD	.95613

#1	29.241
#2	29.766
#3	29.327

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2322.5	27770.	1739.2	42.142	2439.8
Stddev	2.1	27.	9.7	.720	6.0
%RSD	.09150	.09549	.55617	1.7078	.24600

#1	2323.1	27759.	1734.5	42.417	2444.2
#2	2324.2	27750.	1732.8	41.325	2442.3
#3	2320.1	27800.	1750.4	42.683	2432.9

Sample Name: CCV03 Acquired: 6/20/2019 16:46:09 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.7487	4.6328	4.6153	4.7564	4.7925	9.1733	9.5455	.23786
Stddev	.0058	.0044	.0075	.0133	.0050	.1221	.0345	.00069
%RSD	.12269	.09578	.16290	.27996	.10504	1.3310	.36131	.29108
#1	4.7514	4.6379	4.6205	4.7497	4.7907	9.0842	9.5399	.23865
#2	4.7526	4.6309	4.6067	4.7717	4.7886	9.1232	9.5142	.23737
#3	4.7420	4.6297	4.6188	4.7478	4.7981	9.3125	9.5825	.23756
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3089	23.348	.93026	2.3296	1.1977	4.7720	2.3808	23.143
Stddev	.0010	.139	.00431	.0013	.0012	.0197	.0070	.147
%RSD	.04509	.59373	.46384	.05719	.09691	.41229	.29262	.63474
#1	2.3094	23.259	.92839	2.3295	1.1964	4.7807	2.3858	23.026
#2	2.3077	23.277	.92721	2.3284	1.1987	4.7495	2.3728	23.094
#3	2.3096	23.508	.93520	2.3310	1.1980	4.7858	2.3837	23.308
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3173	1.2074	23.212	2.3662	2.3306	23.534	4.8101	4.7356
Stddev	.0034	.0020	.076	.0092	.0022	.142	.0050	.0218
%RSD	.14445	.16380	.32695	.39001	.09378	.60149	.10328	.46060
#1	2.3200	1.2086	23.175	2.3707	2.3317	23.496	4.8048	4.7105
#2	2.3135	1.2051	23.161	2.3555	2.3281	23.415	4.8109	4.7468
#3	2.3183	1.2084	23.299	2.3722	2.3320	23.690	4.8147	4.7496
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.5542	4.8757	4.6348	4.6495	4.8356	4.589	F 247.07	F 4.1743
Stddev	.0090	.0382	.0068	.0206	.0294	.003	1.42	.3721
%RSD	.19853	.78363	.14601	.44302	.60686	.0554	.57535	8.9136
#1	4.5641	4.9089	4.6332	4.6490	4.8501	4.589	248.12	4.6015
#2	4.5464	4.8843	4.6290	4.6704	4.8549	4.586	247.63	3.9210
#3	4.5521	4.8339	4.6422	4.6292	4.8018	4.591	245.45	4.0004

Sample Name: CCV03 Acquired: 6/20/2019 16:46:09 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 2.7201
Stddev .0901
%RSD 3.3132

#1 2.6641
#2 2.6721
#3 2.8240

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2228.4	26657.	1692.2	40.546	2262.2
Stddev	4.4	60.	14.8	.580	6.1
%RSD	.19582	.22680	.87284	1.4292	.26997

#1	2223.6	26628.	1682.2	41.185	2255.1
#2	2229.3	26726.	1685.2	40.054	2266.3
#3	2232.1	26616.	1709.2	40.401	2265.1

Sample Name: CCB03 Acquired: 6/20/2019 16:50:08 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00156	.00105	.00043	.00127	-.00617	.00349	.00028
Stddev	.00214	.00076	.00013	.00200	.00143	.00268	.00062
%RSD	137.13	72.629	31.057	157.41	23.255	76.665	222.59

#1	-.00089	.00120	.00030	-.00022	-.00528	.00428	.00099
#2	.00306	.00022	.00057	.00355	-.00540	.00568	-.00003
#3	.00250	.00172	.00043	.00048	-.00783	.00051	-.00012

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00009	-.01303	.00035	.00005	-.00117	.00015
Stddev	.00009	.00008	.02045	.00005	.00022	.00049	.00026
%RSD	1138.6	85.276	156.95	14.427	464.43	41.471	166.98

#1	-.00007	.00015	-.02783	.00040	.00029	-.00124	.00007
#2	.00011	.00012	.01030	.00035	-.00013	-.00066	-.00005
#3	-.00001	.00000	-.02156	.00030	-.00002	-.00162	.00044

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00034	-.04230	.00028	.00070	-.06297	.00007	-.00005
Stddev	.00001	.06865	.00016	.00009	.01345	.00030	.00004
%RSD	3.9300	162.29	56.832	12.280	21.358	453.26	83.850

#1	-.00033	.02425	.00040	.00075	-.06648	.00037	-.00007
#2	-.00035	-.11287	.00034	.00060	-.04811	.00005	-.00000
#3	-.00033	-.03828	.00010	.00074	-.07431	-.00023	-.00008

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.05819	.00074	F -.06400	-.00130	-.02163	.00073	.00037
Stddev	.02821	.00035	.00519	.00228	.00019	.00024	.00415
%RSD	48.477	47.113	8.1051	174.70	.86212	32.074	1129.5

#1	-.08458	.00115	-.06939	.00021	-.02145	.00046	.00349
#2	-.06151	.00056	-.05904	-.00019	-.02183	.00083	-.00434
#3	-.02846	.00052	-.06357	-.00393	-.02162	.00090	.00195

Sample Name: CCB03 Acquired: 6/20/2019 16:50:08 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01196	-.0024	-.01353	F 2.4561	F .53415
Stddev	.00169	.0013	.00563	.2936	.10281
%RSD	14.151	57.07	41.591	11.954	19.247
#1	-.01391	-.0028	-.01279	2.7572	.60207
#2	-.01090	-.0009	-.01950	2.4404	.41587
#3	-.01107	-.0034	-.00831	2.1706	.58451
Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2294.3	27421.	1706.6	42.864	2582.7
Stddev	8.2	73.	17.8	1.256	5.5
%RSD	.35627	.26581	1.0442	2.9311	.21256
#1	2298.8	27338.	1688.2	41.567	2581.5
#2	2299.2	27473.	1707.8	42.950	2588.7
#3	2284.8	27452.	1723.8	44.075	2577.9

Sample Name: K3455-05MS Acquired: 6/20/2019 16:54:36 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-3-GISMS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2928	1.8809	2.1165	1.7199	.17811	87.800	.95154	.19392
Stddev	.0036	.0027	.0046	.0034	.00025	.675	.00610	.00037
%RSD	.27783	.14645	.21485	.19659	.13959	.76878	.64085	.19228
#1	1.2964	1.8781	2.1117	1.7237	.17782	87.835	.94843	.19432
#2	1.2929	1.8836	2.1207	1.7189	.17826	87.109	.94762	.19386
#3	1.2892	1.8809	2.1171	1.7172	.17824	88.458	.95856	.19358
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19428	108.13	.52136	.27850	.73621	392.10	3.7467	32.647
Stddev	.00075	.12	.00058	.00052	.00328	.39	.0075	.099
%RSD	.38522	.11413	.11069	.18575	.44514	.09928	.20129	.30198
#1	.19497	108.14	.52198	.27802	.73247	392.52	3.7552	32.594
#2	.19348	108.00	.52126	.27905	.73756	392.00	3.7408	32.760
#3	.19438	108.24	.52084	.27842	.73860	391.76	3.7442	32.585
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.58891	.04876	6.4262	.59175	.72665	17.750	.34527	-.04883
Stddev	.00123	.00050	.0256	.00100	.00239	.118	.00088	.02127
%RSD	.20893	1.0196	.39867	.16921	.32900	.66547	.25422	43.555
#1	.58749	.04822	6.4065	.59188	.72561	17.682	.34581	-.02689
#2	.58948	.04919	6.4169	.59268	.72496	17.682	.34574	-.05025
#3	.58974	.04889	6.4552	.59069	.72939	17.886	.34425	-.06935
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 78.580	3.7393	.70046	4.1199	.30229	F 17.23	F 25.849	<.00000
Stddev	.183	.0389	.00224	.0138	.00257	.05	.138	.07904
%RSD	.23260	1.0408	.31983	.33556	.85006	.2886	.53542	3.7475
#1	78.475	3.7422	.70269	4.1109	.30106	17.21	25.784	-2.0857
#2	78.474	3.7767	.70047	4.1359	.30524	17.20	26.008	-2.1974
#3	78.791	3.6990	.69821	4.1130	.30056	17.29	25.755	-2.0446

Sample Name: K3455-05MS Acquired: 6/20/2019 16:54:36 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-3-GISMS Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 104.28
Stddev	.31
%RSD	.30050

#1	104.18
#2	104.63
#3	104.03

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2372.0	28370.	1788.9	40.315	2172.1
Stddev	6.4	82.	15.7	1.421	3.7
%RSD	.27115	.29037	.87681	3.5254	.17191

#1	2364.6	28279.	1786.6	41.592	2168.5
#2	2376.3	28390.	1774.5	40.570	2176.0
#3	2375.1	28440.	1805.6	38.784	2172.0

Sample Name: K3455-05MSD Acquired: 6/20/2019 16:58:46 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-3-GISMSD Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2915	1.8844	2.0936	1.7310	.17688	88.354	.95339	.19418
Stddev	.0105	.0024	.0056	.0036	.00254	.436	.00420	.00040
%RSD	.81526	.12933	.26776	.20635	1.4333	.49321	.44104	.20433
#1	1.2892	1.8843	2.0997	1.7280	.17917	87.877	.95292	.19454
#2	1.3030	1.8821	2.0924	1.7350	.17731	88.731	.95781	.19423
#3	1.2823	1.8869	2.0886	1.7301	.17415	88.455	.94945	.19376
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19432	108.32	.52480	.27982	.73295	393.72	3.7445	33.093
Stddev	.00013	.61	.00173	.00132	.00170	2.36	.0034	.212
%RSD	.06646	.55992	.33049	.47056	.23140	.59832	.09160	.64074
#1	.19418	107.78	.52680	.28030	.73353	391.52	3.7408	33.209
#2	.19442	108.98	.52369	.28083	.73104	396.20	3.7475	33.222
#3	.19438	108.22	.52392	.27833	.73428	393.45	3.7454	32.849
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.59169	.04838	6.4406	.59584	.72287	17.772	.34702	-.03068
Stddev	.00179	.00017	.0389	.00185	.00066	.087	.00074	.00513
%RSD	.30208	.36133	.60342	.30989	.09142	.48896	.21319	16.724
#1	.59276	.04857	6.4090	.59797	.72361	17.715	.34689	-.02561
#2	.59268	.04835	6.4840	.59489	.72265	17.872	.34781	-.03056
#3	.58963	.04822	6.4288	.59467	.72234	17.729	.34635	-.03587
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 78.200	3.6875	.70463	4.1388	.30151	F 17.14	F 25.700	<.00000
Stddev	.110	.0259	.00087	.0124	.00136	.03	.129	.22827
%RSD	.14064	.70274	.12288	.29914	.45088	.1896	.50136	8.9577
#1	78.174	3.7033	.70531	4.1281	.30161	17.14	25.653	-2.7973
#2	78.320	3.6576	.70492	4.1358	.30281	17.18	25.601	-2.3489
#3	78.105	3.7015	.70366	4.1523	.30010	17.11	25.846	-2.4987

Sample Name: K3455-05MSD Acquired: 6/20/2019 16:58:46 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-3-GISMSD Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 104.48
Stddev	.74
%RSD	.70384

#1	104.57
#2	103.70
#3	105.16

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2364.4	28272.	1797.1	42.224	2166.1
Stddev	3.8	64.	10.2	.855	3.8
%RSD	.16128	.22679	.56835	2.0248	.17409

#1	2361.4	28310.	1795.3	41.342	2163.1
#2	2363.2	28198.	1808.0	43.049	2164.8
#3	2368.7	28309.	1787.9	42.281	2170.3

Sample Name: K3455-05A Acquired: 6/20/2019 17:02:58 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSA8340 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2989	1.8690	2.0606	1.7297	.17428	88.118	.95183	.19389
Stddev	.0039	.0071	.0034	.0024	.00207	.627	.01013	.00094
%RSD	.29976	.37768	.16396	.13559	1.1864	.71187	1.0642	.48437
#1	1.2946	1.8743	2.0637	1.7280	.17418	87.465	.94278	.19298
#2	1.3021	1.8716	2.0612	1.7324	.17227	88.716	.96277	.19486
#3	1.3001	1.8610	2.0570	1.7288	.17640	88.175	.94995	.19383
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19375	107.86	.52253	.27638	.73704	392.91	3.7326	33.116
Stddev	.00057	.81	.00044	.00039	.00120	2.45	.0087	.311
%RSD	.29578	.75109	.08353	.14036	.16223	.62304	.23247	.93993
#1	.19391	107.11	.52302	.27631	.73766	390.50	3.7226	32.796
#2	.19423	108.72	.52238	.27680	.73566	395.39	3.7379	33.418
#3	.19312	107.76	.52219	.27604	.73780	392.85	3.7373	33.135
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.58993	.04834	6.3929	.59732	.71658	17.764	.34708	-.04042
Stddev	.00213	.00078	.0517	.00292	.00137	.124	.00103	.01018
%RSD	.36154	1.6176	.80859	.48888	.19149	.69751	.29638	25.176
#1	.59121	.04874	6.3542	.59466	.71771	17.683	.34647	-.02876
#2	.59111	.04883	6.4516	.59686	.71697	17.907	.34650	-.04755
#3	.58747	.04743	6.3729	.60044	.71505	17.703	.34827	-.04493
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 77.566	3.8312	.70279	4.1897	.30242	F 16.96	F 25.668	<.00000
Stddev	.233	.0356	.00176	.0132	.00220	.05	.112	.48432
%RSD	.29984	.92926	.24980	.31520	.72844	.2886	.43626	25.340
#1	77.498	3.8660	.70208	4.1745	.30128	16.95	25.739	-2.4056
#2	77.825	3.8329	.70149	4.1956	.30496	17.01	25.726	-1.4376
#3	77.375	3.7948	.70479	4.1989	.30101	16.91	25.539	-1.8906

Sample Name: K3455-05A Acquired: 6/20/2019 17:02:58 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: ICSA8340 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 103.50
Stddev	.95
%RSD	.91554

#1	102.62
#2	103.38
#3	104.50

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2354.3	28181.	1778.0	40.270	2168.0
Stddev	3.0	143.	7.1	.607	8.0
%RSD	.12583	.50595	.40093	1.5066	.36780

#1	2352.2	28313.	1770.0	40.860	2163.3
#2	2353.1	28030.	1780.1	40.302	2163.6
#3	2357.7	28198.	1783.8	39.648	2177.2

Sample Name: K3455-07 Acquired: 6/20/2019 17:07:09 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-4-GIS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.44778	.01346	9.5519	.06326	.02537	68.782	1.5339	.01068
Stddev	.00220	.00226	.0140	.00584	.00282	.176	.0098	.00025
%RSD	.49103	16.757	.14692	9.2309	11.118	.25595	.64108	2.3708
#1	.45002	.01597	9.5627	.06998	.02296	68.624	1.5239	.01045
#2	.44769	.01161	9.5569	.06034	.02468	68.972	1.5435	.01095
#3	.44563	.01281	9.5360	.05945	.02847	68.749	1.5342	.01064
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00755	117.68	.11649	.09423	2.1015	278.56	4.6987	29.532
Stddev	.00024	.33	.00066	.00013	.0053	1.15	.0326	.393
%RSD	3.2035	.28031	.56257	.13635	.25169	.41438	.69328	1.3309
#1	.00741	117.50	.11579	.09438	2.1071	279.36	4.6616	29.078
#2	.00742	118.06	.11659	.09418	2.1007	279.09	4.7117	29.770
#3	.00783	117.49	.11709	.09413	2.0966	277.24	4.7228	29.748
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14899	-.00733	6.4191	.28508	2.3272	15.013	.02524	-.14905
Stddev	.00058	.00090	.0707	.00021	.0020	.094	.00032	.02152
%RSD	.38843	12.283	1.1020	.07409	.08441	.62909	1.2486	14.437
#1	.14902	-.00837	6.3374	.28493	2.3278	14.908	.02513	-.12456
#2	.14956	-.00690	6.4602	.28532	2.3288	15.039	.02498	-.15769
#3	.14840	-.00673	6.4596	.28498	2.3250	15.092	.02559	-.16491
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 37.897	1.7951	.93304	3.6392	.09643	6.661	F 31.891	<.00000
Stddev	.037	.0317	.00226	.0196	.00116	.021	.262	.17988
%RSD	.09856	1.7678	.24207	.53741	1.2032	.3177	.82080	6.1410
#1	37.940	1.8240	.93505	3.6370	.09562	6.673	32.166	-3.1023
#2	37.876	1.7611	.93059	3.6209	.09776	6.673	31.645	-2.7432
#3	37.875	1.8000	.93348	3.6598	.09592	6.636	31.861	-2.9418

Sample Name: K3455-07 Acquired: 6/20/2019 17:07:09 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-4-GIS Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	80.750
Stddev	.414
%RSD	.51272

#1	81.228
#2	80.526
#3	80.497

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2554.0	30641.	1979.5	42.385	2226.3
Stddev	3.4	92.	20.6	1.688	1.1
%RSD	.13474	.29943	1.0408	3.9813	.05143

#1	2550.2	30630.	1956.8	42.166	2225.1
#2	2557.0	30556.	1996.9	44.171	2227.3
#3	2554.7	30738.	1984.9	40.818	2226.6

Sample Name: K3455-09 Acquired: 6/20/2019 17:11:31 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-5-DUCT-BA Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15132	-.00368	9.8317	.01878	.00102	98.722	1.5348	.00858
Stddev	.00143	.00162	.0100	.00334	.00123	.487	.0075	.00015
%RSD	.94547	44.035	.10159	17.771	121.19	.49330	.48708	1.7287
#1	.14996	-.00238	9.8282	.01494	.00231	98.322	1.5277	.00875
#2	.15281	-.00549	9.8239	.02044	.00089	98.581	1.5342	.00850
#3	.15118	-.00316	9.8429	.02097	-.00015	99.264	1.5426	.00849
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00908	114.05	.18256	.13587	.80811	201.87	4.6213	49.907
Stddev	.00017	.46	.00097	.00046	.00436	.62	.0173	.053
%RSD	1.8189	.40362	.53025	.33835	.53921	.30577	.37448	.10589
#1	.00927	113.66	.18273	.13535	.81202	201.53	4.6135	49.851
#2	.00896	113.95	.18343	.13604	.80890	201.50	4.6092	49.912
#3	.00901	114.56	.18152	.13622	.80341	202.59	4.6411	49.957
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22382	-.00591	3.6928	.31736	2.0303	7.5866	.00282	-.09953
Stddev	.00069	.00069	.0290	.00212	.0014	.0022	.00015	.01283
%RSD	.30614	11.614	.78507	.66909	.06993	.02911	5.1700	12.887
#1	.22458	-.00652	3.6602	.31864	2.0319	7.5886	.00297	-.11027
#2	.22324	-.00605	3.7028	.31853	2.0293	7.5842	.00282	-.10298
#3	.22366	-.00517	3.7156	.31491	2.0296	7.5870	.00268	-.08533
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5450	3.7163	.59191	4.9688	.09040	9.145	F 18.329	<.00000
Stddev	.0066	.0409	.00193	.0192	.00211	.017	.097	.23626
%RSD	.25894	1.1016	.32647	.38724	2.3289	.1892	.52968	4.4776
#1	2.5413	3.7152	.59411	4.9474	.08800	9.134	18.421	-5.2378
#2	2.5411	3.7577	.59049	4.9846	.09194	9.135	18.338	-5.0619
#3	2.5526	3.6758	.59112	4.9745	.09125	9.165	18.228	-5.5297

Sample Name: K3455-09 Acquired: 6/20/2019 17:11:31 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-5-DUCT-BA Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	67.548
Stddev	.612
%RSD	.90664

#1	68.230
#2	67.367
#3	67.046

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2868.0	34410.	2217.1	40.939	2195.3
Stddev	12.5	74.	18.5	.902	2.8
%RSD	.43660	.21481	.83375	2.2032	.12929

#1	2869.0	34325.	2200.8	41.866	2197.0
#2	2855.0	34446.	2213.4	40.065	2192.0
#3	2880.0	34460.	2237.2	40.885	2196.9

Sample Name: K3159-06 Acquired: 6/20/2019 17:16:03 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00348	-.00064	.00865	.00204	-.00499	.09979	.09141	.00010
Stddev	.00144	.00087	.00117	.00233	.00146	.00899	.00029	.00006
%RSD	41.236	135.10	13.575	114.35	29.316	9.0128	.31213	65.613
#1	.00276	-.00120	.00908	.00134	-.00379	.08959	.09129	.00005
#2	.00513	-.00110	.00732	.00464	-.00455	.10320	.09120	.00017
#3	.00255	.00036	.00955	.00014	-.00662	.10659	.09174	.00007
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	16.223	-.00017	.00334	.00312	.07288	.57635	2.1990
Stddev	.00007	.128	.00031	.00020	.00026	.00138	.00080	.0393
%RSD	148.35	.79203	181.12	5.9200	8.3691	1.8872	.13930	1.7881
#1	.00007	16.083	.00008	.00316	.00298	.07444	.57728	2.1608
#2	-.00003	16.337	-.00008	.00355	.00295	.07238	.57593	2.2393
#3	.00010	16.248	-.00051	.00331	.00342	.07183	.57585	2.1969
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00121	.00040	253.73	-.00058	.02979	.54394	.00011	-.10036
Stddev	.00026	.00045	1.31	.00040	.00004	.03153	.00027	.02755
%RSD	21.251	113.45	.51623	69.435	.13278	5.7974	256.58	27.451
#1	.00145	-.00012	252.79	-.00104	.02983	.51419	-.00021	-.07265
#2	.00094	.00071	255.23	-.00036	.02975	.57700	.00030	-.12775
#3	.00125	.00061	253.18	-.00033	.02978	.54064	.00023	-.10068
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16487	.57475	-.00033	.00118	-.01103	.0023	3.2460	4.8644
Stddev	.00354	.00853	.00082	.00073	.00390	.0008	.0258	.2976
%RSD	2.1484	1.4849	249.80	61.495	35.326	34.35	.79572	6.1182
#1	.16533	.56812	.00057	.00056	-.01385	.0030	3.2241	4.9139
#2	.16817	.58438	-.00051	.00198	-.00658	.0025	3.2745	4.5452
#3	.16113	.57176	-.00104	.00101	-.01265	.0015	3.2393	5.1342

Sample Name: K3159-06 Acquired: 6/20/2019 17:16:03 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	.85547
Stddev	.59534
%RSD	69.592

#1	.73813
#2	.32754
#3	1.5008

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2205.0	26025.	1700.6	42.819	2292.9
Stddev	8.0	85.	6.6	1.240	2.5
%RSD	.36097	.32692	.39016	2.8947	.10930

#1	2196.6	26036.	1701.1	41.617	2290.7
#2	2205.9	25935.	1693.7	44.093	2295.6
#3	2212.4	26105.	1706.9	42.747	2292.4

Sample Name: K3159-06DUP Acquired: 6/20/2019 17:20:28 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00127	.00113	.00816	.00183	-.00795	.10124	.09038	.00007
Stddev	.00333	.00168	.00085	.00089	.00179	.02529	.00115	.00006
%RSD	262.41	148.01	10.441	48.612	22.516	24.976	1.2704	83.748
#1	.00084	.00021	.00914	.00086	-.00974	.12082	.08995	.00011
#2	-.00183	.00307	.00776	.00260	-.00616	.11021	.09169	.00011
#3	.00479	.00012	.00757	.00203	-.00796	.07269	.08952	.00000
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	16.046	-.00033	.00305	.00306	.06656	.56806	2.1900
Stddev	.00002	.164	.00048	.00015	.00028	.00100	.00816	.0402
%RSD	93.294	1.0198	146.92	5.0170	9.0721	1.4974	1.4363	1.8374
#1	.00003	16.052	-.00016	.00322	.00275	.06754	.57336	2.1584
#2	.00004	16.206	.00005	.00301	.00315	.06659	.57216	2.2353
#3	-.00000	15.879	-.00087	.00292	.00328	.06555	.55866	2.1763
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.00026	249.29	-.00115	.02949	.62224	-.00020	-.07210
Stddev	.00016	.00039	2.91	.00044	.00027	.03582	.00051	.02779
%RSD	21.461	151.42	1.1673	38.517	.90960	5.7570	256.11	38.549
#1	.00091	-.00003	249.46	-.00123	.02979	.58475	-.00042	-.04642
#2	.00064	.00071	252.11	-.00067	.02931	.65612	.00038	-.10161
#3	.00063	.00010	246.30	-.00155	.02935	.62584	-.00056	-.06827
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16059	.57125	-.00089	.00106	-.00307	.0017	3.2747	4.3314
Stddev	.00325	.00143	.00026	.00079	.00375	.0008	.0124	.2458
%RSD	2.0249	.25080	29.480	74.530	122.07	47.57	.37822	5.6747
#1	.16387	.57234	-.00088	.00167	-.00657	.0024	3.2611	4.5692
#2	.15737	.57179	-.00115	.00017	-.00353	.0008	3.2778	4.3468
#3	.16052	.56962	-.00063	.00134	.00089	.0020	3.2853	4.0783

Sample Name: K3159-06DUP Acquired: 6/20/2019 17:20:28 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg 1.1565
Stddev .1325
%RSD 11.455

#1 1.0347
#2 1.1373
#3 1.2976

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2233.0	26691.	1720.4	42.425	2314.0
Stddev	6.0	416.	2.4	1.658	9.4
%RSD	.27081	1.5593	.14200	3.9077	.40752

#1	2226.5	26484.	1720.2	41.867	2303.6
#2	2234.1	26419.	1718.0	41.118	2316.4
#3	2238.4	27170.	1722.9	44.290	2322.0

Sample Name: K3159-06LX5 Acquired: 6/20/2019 17:24:52 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00084	-.00113	.00180	.00338	-.00750	.02104	.01899	.00010
Stddev	.00399	.00040	.00063	.00365	.00143	.00473	.00078	.00019
%RSD	476.36	35.327	34.936	107.88	19.100	22.495	4.1169	191.06

#1	.00276	-.00091	.00148	.00016	-.00626	.02048	.01869	-.00011
#2	-.00375	-.00089	.00141	.00265	-.00907	.01661	.01988	.00016
#3	.00349	-.00159	.00253	.00735	-.00718	.02602	.01841	.00025

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	3.2248	-.00004	.00046	-.00001	.01321	.11919	.39840
Stddev	.00003	.0115	.00006	.00014	.00037	.00048	.00027	.06574
%RSD	29.347	.35717	129.76	30.909	3203.1	3.6207	.22445	16.501

#1	-.00013	3.2361	-.00004	.00057	.00016	.01339	.11941	.39467
#2	-.00007	3.2131	.00001	.00051	-.00044	.01267	.11889	.33460
#3	-.00012	3.2251	-.00010	.00030	.00025	.01358	.11927	.46592

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00068	50.399	-.00013	.00547	.12420	-.00020	-.07754
Stddev	.00033	.00065	.348	.00055	.00013	.04437	.00008	.01586
%RSD	5200.3	96.342	.69096	432.45	2.2872	35.722	40.590	20.448

#1	.00011	.00133	50.790	-.00064	.00561	.09529	-.00016	-.09471
#2	.00025	.00067	50.124	.00045	.00539	.10202	-.00014	-.06344
#3	-.00038	.00003	50.282	-.00018	.00540	.17528	-.00029	-.07448

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03127	.09761	-.00071	.00323	.00206	-.0020	.65769	3.6320
Stddev	.00515	.00110	.00086	.00236	.00240	.0006	.00221	.3325
%RSD	16.472	1.1297	121.25	73.109	116.72	29.36	.33532	9.1559

#1	.02532	.09746	.00025	.00504	.00201	-.0025	.65818	3.4978
#2	.03434	.09878	-.00141	.00408	-.00032	-.0022	.65961	4.0106
#3	.03414	.09659	-.00096	.00056	.00448	-.0014	.65528	3.3875

Sample Name: K3159-06LX5 Acquired: 6/20/2019 17:24:52 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	.52958
Stddev	.55122
%RSD	104.09

#1	.73589
#2	.94788
#3	-.09503

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2269.1	27104.	1714.3	41.491	2459.9
Stddev	5.5	227.	9.7	2.389	3.7
%RSD	.24261	.83711	.56706	5.7582	.14865

#1	2263.0	26845.	1707.5	44.249	2456.0
#2	2270.6	27202.	1709.8	40.087	2460.3
#3	2273.7	27265.	1725.4	40.136	2463.3

Sample Name: K3159-06MS Acquired: 6/20/2019 17:29:19 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.73495	1.7029	.88444	1.8653	.73805	1.8647	.27741	.17907
Stddev	.00319	.0081	.00257	.0056	.00411	.0157	.00069	.00221
%RSD	.43470	.47573	.29032	.30180	.55726	.84334	.24862	1.2367
#1	.73826	1.7122	.88680	1.8629	.74127	1.8490	.27796	.17860
#2	.73470	1.6992	.88483	1.8717	.73945	1.8646	.27763	.17714
#3	.73189	1.6974	.88171	1.8613	.73342	1.8804	.27664	.18149
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17887	17.076	.36503	.19091	.29198	2.8189	.73756	3.9428
Stddev	.00055	.020	.00481	.00057	.00088	.0399	.00897	.0783
%RSD	.30611	.11817	1.3169	.29906	.30030	1.4152	1.2161	1.9850
#1	.17916	17.071	.36309	.19076	.29294	2.8116	.73567	3.9549
#2	.17922	17.099	.36150	.19154	.29179	2.7832	.72969	4.0142
#3	.17824	17.059	.37050	.19043	.29121	2.8619	.74733	3.8591
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45533	.06713	246.23	.28165	.22121	10.174	.39120	.19082
Stddev	.00130	.00094	.35	.00380	.00104	.092	.00084	.00829
%RSD	.28642	1.4053	.14395	1.3498	.46819	.90322	.21387	4.3466
#1	.45621	.06757	246.02	.28043	.22152	10.069	.39216	.19901
#2	.45594	.06605	246.03	.27861	.22205	10.240	.39078	.18243
#3	.45383	.06778	246.64	.28591	.22005	10.213	.39066	.19102
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15527	1.5081	.65086	.19509	.20480	5.451	F 15.897	3.6734
Stddev	.00637	.0862	.00095	.01262	.01378	.033	.980	.4167
%RSD	4.1022	5.7124	.14539	6.4678	6.7275	.6032	6.1638	11.343
#1	.16219	1.5811	.65129	.20458	.21713	5.478	16.699	3.3976
#2	.15399	1.5300	.65151	.19991	.20733	5.462	16.187	3.4698
#3	.14964	1.4131	.64977	.18077	.18993	5.414	14.805	4.1527

Sample Name: K3159-06MS Acquired: 6/20/2019 17:29:19 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	.06271
Stddev	.35969
%RSD	573.58

#1	-.35257
#2	.26439
#3	.27631

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2206.7	27317.	1638.0	41.309	2285.5
Stddev	6.3	214.	94.3	1.842	7.9
%RSD	.28376	.78239	5.7588	4.4582	.34443

#1	2200.0	27295.	1552.0	39.185	2276.5
#2	2212.4	27541.	1623.0	42.275	2290.8
#3	2207.7	27115.	1738.9	42.466	2289.3

Sample Name: K3159-06MSD Acquired: 6/20/2019 17:33:26 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.72270	1.6740	.86673	1.8214	.71542	1.9119	.28828	.18626
Stddev	.00179	.0078	.00263	.0148	.00591	.0300	.00178	.00127
%RSD	.24709	.46719	.30307	.81213	.82570	1.5692	.61618	.68271
#1	.72358	1.6830	.86976	1.8382	.72224	1.8880	.28625	.18745
#2	.72065	1.6686	.86514	1.8104	.71181	1.9022	.28957	.18640
#3	.72388	1.6705	.86529	1.8155	.71221	1.9456	.28901	.18492
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17466	17.771	.38105	.18626	.28615	2.9416	.77167	4.0482
Stddev	.00101	.107	.00137	.00187	.00252	.0084	.00204	.0194
%RSD	.58082	.60199	.35909	1.0054	.88110	.28636	.26457	.48012
#1	.17583	17.651	.38039	.18841	.28905	2.9509	.77296	4.0293
#2	.17402	17.805	.38262	.18534	.28444	2.9392	.77272	4.0681
#3	.17412	17.856	.38013	.18502	.28497	2.9346	.76931	4.0474
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.44503	.06988	255.70	.29374	.21631	10.566	.38210	.23199
Stddev	.00227	.00043	.28	.00117	.00168	.096	.00315	.01866
%RSD	.51018	.61491	.10843	.39768	.77658	.90607	.82507	8.0440
#1	.44765	.07026	255.38	.29272	.21825	10.459	.38547	.22063
#2	.44374	.06941	255.86	.29348	.21536	10.594	.37923	.25352
#3	.44370	.06997	255.86	.29501	.21532	10.644	.38161	.22181
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15146	1.4735	.63466	.18543	.20370	5.343	F 15.407	4.6917
Stddev	.00521	.0084	.00262	.00273	.00376	.030	.075	.2477
%RSD	3.4428	.57053	.41243	1.4744	1.8454	.5651	.48943	5.2791
#1	.15563	1.4830	.63765	.18386	.20276	5.378	15.360	4.8335
#2	.14561	1.4706	.63279	.18385	.20784	5.326	15.494	4.8359
#3	.15313	1.4669	.63354	.18859	.20050	5.325	15.367	4.4057

Sample Name: K3159-06MSD Acquired: 6/20/2019 17:33:26 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg <.00000
Stddev .17018
%RSD 72.047

#1 -.03986
#2 -.32746
#3 -.34128

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2247.1	26343.	1686.7	41.067	2327.9
Stddev	23.5	114.	12.7	.819	19.7
%RSD	1.0472	.43413	.75563	1.9949	.84828

#1	2221.5	26219.	1672.7	41.193	2307.3
#2	2251.9	26367.	1689.5	40.193	2329.8
#3	2267.8	26444.	1697.7	41.817	2346.6

Sample Name: CCV04 Acquired: 6/20/2019 17:37:33 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: CCV04 Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.7884	4.6676	4.5894	4.7715	4.7674	9.0646	9.5694	.23826
Stddev	.0151	.0081	.0073	.0056	.0083	.1116	.0430	.00017
%RSD	.31612	.17292	.15909	.11768	.17451	1.2316	.44902	.07302
#1	4.7713	4.6586	4.5846	4.7654	4.7596	8.9477	9.5226	.23830
#2	4.7999	4.6743	4.5978	4.7764	4.7664	9.1701	9.6070	.23807
#3	4.7941	4.6699	4.5858	4.7727	4.7762	9.0762	9.5785	.23840
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3080	23.259	.92896	2.3129	1.1956	4.7770	2.3860	23.249
Stddev	.0048	.205	.00155	.0046	.0021	.0087	.0010	.216
%RSD	.20805	.88015	.16644	.19819	.17595	.18181	.04198	.92806
#1	2.3045	23.082	.92733	2.3083	1.1932	4.7706	2.3851	23.060
#2	2.3135	23.483	.93041	2.3175	1.1963	4.7735	2.3859	23.484
#3	2.3061	23.212	.92914	2.3130	1.1972	4.7869	2.3871	23.204
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3123	1.2187	23.160	2.3801	2.3198	23.704	4.8266	4.7018
Stddev	.0056	.0025	.085	.0036	.0041	.155	.0064	.0638
%RSD	.24220	.20543	.36890	.15005	.17634	.65404	.13319	1.3559
#1	2.3064	1.2165	23.063	2.3763	2.3156	23.531	4.8254	4.6508
#2	2.3175	1.2182	23.227	2.3807	2.3238	23.830	4.8336	4.7733
#3	2.3129	1.2215	23.188	2.3833	2.3199	23.750	4.8209	4.6813
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.5815	4.8704	4.6681	4.6063	4.7969	4.609	F 241.07	F 4.3809
Stddev	.0035	.0671	.0140	.0100	.0279	.008	1.71	.2212
%RSD	.07721	1.3783	.30051	.21709	.58141	.1801	.70749	5.0500
#1	4.5775	4.8831	4.6520	4.5950	4.8020	4.606	241.30	4.2296
#2	4.5841	4.7979	4.6778	4.6143	4.7668	4.619	239.26	4.2782
#3	4.5829	4.9303	4.6744	4.6095	4.8218	4.603	242.65	4.6348

Sample Name: CCV04 Acquired: 6/20/2019 17:37:33 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCV04 Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 2.5371
Stddev .4265
%RSD 16.809

#1 2.8798
#2 2.0595
#3 2.6721

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2237.9	26832.	1714.6	42.219	2276.1
Stddev	1.7	81.	13.2	.764	3.1
%RSD	.07600	.30245	.77208	1.8104	.13605

#1	2236.9	26911.	1709.0	42.790	2278.1
#2	2236.9	26748.	1729.7	41.351	2272.5
#3	2239.8	26837.	1705.1	42.516	2277.7

Sample Name: CCB04 Acquired: 6/20/2019 17:41:31 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.00124	-.00004	.00004	-.00698	-.00406	.00073
Stddev	.00196	.00065	.00047	.00122	.00188	.01502	.00018
%RSD	399.26	52.138	1174.6	3471.9	26.926	370.07	24.315

#1	.00240	.00147	.00043	-.00119	-.00879	-.01464	.00086
#2	-.00152	.00175	-.00051	.00006	-.00710	.01313	.00053
#3	.00060	.00051	-.00004	.00124	-.00504	-.01066	.00082

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00005	-.00447	.00028	-.00005	-.00115	-.00083
Stddev	.00004	.00003	.01327	.00035	.00021	.00038	.00056
%RSD	27.948	60.967	296.74	126.74	443.50	33.035	67.746

#1	.00010	.00007	-.00712	.00067	-.00014	-.00106	-.00042
#2	.00016	.00006	-.01622	-.00000	.00019	-.00082	-.00147
#3	.00018	.00002	.00992	.00016	-.00020	-.00156	-.00060

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	-.07037	.00058	.00043	.04392	-.00023	-.00044
Stddev	.00011	.01744	.00025	.00029	.01440	.00020	.00020
%RSD	43.161	24.782	42.412	68.697	32.785	87.059	45.441

#1	-.00020	-.05591	.00068	.00077	.02925	-.00012	-.00029
#2	-.00040	-.06547	.00076	.00029	.05803	-.00011	-.00037
#3	-.00019	-.08974	.00030	.00023	.04449	-.00046	-.00067

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.02921	.00065	-.04721	-.00863	-.02422	.00003	.00082
Stddev	.01344	.00056	.01753	.00062	.00306	.00094	.00308
%RSD	46.010	87.188	37.138	7.2154	12.640	3477.1	376.06

#1	-.01409	.00116	-.03819	-.00882	-.02127	.00004	-.00130
#2	-.03375	.00073	-.03602	-.00793	-.02402	.00096	.00435
#3	-.03980	.00004	-.06742	-.00913	-.02738	-.00092	-.00059

Sample Name: CCB04 Acquired: 6/20/2019 17:41:31 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: CCB04 Custom ID2: Custom ID3:
Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00677	-0.0013	-0.01452	F 2.9680	F<.00000
Stddev	.00511	.0008	.00380	.2262	.14866
%RSD	75.435	60.24	26.188	7.6213	166.56

#1	-0.01106	-0.0014	-0.01873	3.2277	-.15839
#2	-0.00814	-0.0021	-0.01135	2.8622	.08139
#3	-0.00112	-0.0005	-0.01347	2.8140	-.19075

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2304.3	27673.	1732.3	43.919	2594.6
Stddev	5.1	67.	23.8	.914	10.8
%RSD	.21987	.24328	1.3727	2.0817	.41534

#1	2298.5	27654.	1704.9	43.408	2582.6
#2	2307.4	27618.	1747.5	43.375	2597.9
#3	2307.2	27748.	1744.6	44.975	2603.4

Sample Name: K3159-06A Acquired: 6/20/2019 17:45:59 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.73672	1.6871	.86579	1.8496	.72320	1.9263	.28888	.18552
Stddev	.00461	.0078	.00233	.0105	.00189	.0231	.00035	.00005
%RSD	.62612	.46402	.26941	.56603	.26133	1.2010	.12205	.02915
#1	.73303	1.6938	.86354	1.8616	.72373	1.9280	.28849	.18549
#2	.74189	1.6785	.86562	1.8448	.72110	1.9023	.28917	.18549
#3	.73523	1.6890	.86820	1.8424	.72476	1.9485	.28900	.18558
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17603	17.749	.37782	.18643	.28883	2.9258	.76940	4.0962
Stddev	.00028	.093	.00004	.00054	.00176	.0077	.00064	.0623
%RSD	.16093	.52623	.00984	.28875	.61050	.26280	.08285	1.5206
#1	.17635	17.660	.37779	.18664	.28970	2.9290	.76912	4.0751
#2	.17582	17.846	.37782	.18582	.28680	2.9171	.76895	4.0472
#3	.17591	17.740	.37786	.18683	.29000	2.9315	.77013	4.1663
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.44902	.07041	255.49	.29315	.21710	10.465	.38709	.21261
Stddev	.00095	.00063	.61	.00264	.00003	.052	.00147	.00591
%RSD	.21127	.88780	.23858	.90008	.01359	.49685	.38083	2.7819
#1	.44872	.06998	255.05	.29196	.21713	10.409	.38757	.21922
#2	.44826	.07012	255.24	.29131	.21711	10.476	.38544	.21081
#3	.45008	.07112	256.19	.29617	.21707	10.511	.38827	.20781
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14812	1.4622	.64265	.18649	.19216	5.394	F 15.197	4.9128
Stddev	.00311	.0050	.00353	.00186	.00396	.014	.054	.0319
%RSD	2.0974	.34248	.54923	.99977	2.0590	.2538	.35782	.64983
#1	.15022	1.4618	.64414	.18538	.18897	5.404	15.162	4.9486
#2	.14455	1.4574	.63861	.18864	.19093	5.378	15.170	4.8873
#3	.14959	1.4674	.64518	.18544	.19659	5.400	15.260	4.9024

Sample Name: K3159-06A Acquired: 6/20/2019 17:45:59 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	.04278
Stddev	.20113
%RSD	470.14

#1	.20890
#2	.10028
#3	-.18084

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2223.6	26433.	1701.1	41.986	2314.9
Stddev	12.8	35.	7.8	.685	10.4
%RSD	.57374	.13358	.46090	1.6308	.44793

#1	2209.9	26416.	1698.0	42.631	2303.5
#2	2235.2	26474.	1710.0	42.058	2323.8
#3	2225.5	26409.	1695.3	41.268	2317.3

Sample Name: K3159-08 Acquired: 6/20/2019 17:50:07 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00103	-.00052	.00360	.00561	-.00675	.12949	.10831	.00008
Stddev	.00081	.00109	.00089	.00325	.00364	.01946	.00076	.00007
%RSD	78.258	211.52	24.716	58.028	53.904	15.027	.69986	84.757

#1	.00164	.00075	.00264	.00929	-.00260	.14838	.10766	.00001
#2	.00012	-.00111	.00439	.00443	-.00940	.10951	.10914	.00014
#3	.00134	-.00119	.00377	.00311	-.00825	.13057	.10812	.00009

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	17.302	-.00025	.00441	.00568	.08378	.74757	1.1660
Stddev	.00001	.104	.00017	.00034	.00013	.00075	.00245	.0470
%RSD	7.5473	.60071	68.037	7.7454	2.2077	.89547	.32760	4.0317

#1	.00009	17.199	-.00024	.00457	.00570	.08292	.74822	1.2107
#2	.00008	17.299	-.00008	.00401	.00579	.08428	.74963	1.1170
#3	.00008	17.407	-.00042	.00463	.00554	.08415	.74486	1.1702

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00218	.00032	317.36	-.00091	.02624	1.0041	-.00021	-.06934
Stddev	.00041	.00032	.24	.00008	.00005	.1013	.00005	.02111
%RSD	18.796	100.40	.07709	9.1174	.18128	10.083	24.957	30.439

#1	.00184	.00068	317.33	-.00097	.02623	.88918	-.00019	-.05867
#2	.00263	.00019	317.14	-.00081	.02620	1.0430	-.00027	-.05570
#3	.00206	.00008	317.62	-.00095	.02630	1.0801	-.00018	-.09365

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18261	.90323	-.00078	.00204	.00537	.0048	4.7564	4.2051
Stddev	.00253	.00953	.00028	.00025	.00269	.0006	.0290	.1663
%RSD	1.3865	1.0553	35.796	12.127	50.112	11.91	.61031	3.9550

#1	.18015	.90012	-.00109	.00208	.00552	.0055	4.7676	4.2713
#2	.18246	.91393	-.00071	.00178	.00799	.0046	4.7781	4.3281
#3	.18521	.89564	-.00054	.00226	.00261	.0044	4.7234	4.0159

Sample Name: K3159-08 Acquired: 6/20/2019 17:50:07 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: OR-02-061919 Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	.74874
Stddev	.63171
%RSD	84.369

#1	.59476
#2	.20826
#3	1.4432

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2245.6	26572.	1734.5	43.559	2327.1
Stddev	4.9	113.	23.1	.484	2.2
%RSD	.21774	.42603	1.3314	1.1118	.09358

#1	2240.0	26483.	1720.9	43.204	2325.5
#2	2248.3	26534.	1721.5	44.111	2326.3
#3	2248.6	26700.	1761.2	43.363	2329.6

Sample Name: K3448-05 Acquired: 6/20/2019 17:54:33 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: M-2(0-10) Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00165	.00012	.00384	.00430	-.01006	.01545	.23505	.00004
Stddev	.00048	.00153	.00040	.00185	.00250	.01271	.00120	.00016
%RSD	28.912	1321.7	10.502	43.001	24.828	82.217	.51237	425.38

#1	.00175	-.00121	.00370	.00244	-.00978	.00079	.23386	-.00005
#2	.00113	.00179	.00352	.00432	-.01269	.02325	.23626	.00022
#3	.00206	-.00023	.00429	.00615	-.00772	.02232	.23503	-.00006

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	73.692	-.00021	.00514	-.00001	.05692	.84250	14.065
Stddev	.00003	.493	.00018	.00028	.00041	.00183	.00124	.190
%RSD	23.666	.66869	86.767	5.4885	6086.8	3.2177	.14776	1.3500

#1	-.00012	73.282	-.00009	.00490	.00039	.05548	.84107	13.848
#2	-.00016	74.238	-.00043	.00545	.00002	.05898	.84315	14.199
#3	-.00010	73.554	-.00012	.00508	-.00043	.05630	.84329	14.149

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00507	.00077	230.30	-.00100	.05656	1.7112	.00013	-.05889
Stddev	.00056	.00031	1.39	.00023	.00026	.0144	.00005	.00584
%RSD	11.072	40.109	.60444	23.306	.45163	.84370	42.285	9.9131

#1	.00449	.00071	229.30	-.00123	.05685	1.6950	.00015	-.06515
#2	.00511	.00049	231.89	-.00076	.05639	1.7163	.00007	-.05794
#3	.00561	.00110	229.71	-.00101	.05643	1.7225	.00017	-.05359

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41365	.27530	-.00039	-.00244	.00585	-.0021	6.7999	4.7400
Stddev	.00460	.01022	.00011	.00307	.00019	.0019	.0201	.1975
%RSD	1.1124	3.7134	28.855	125.84	3.1688	91.96	.29517	4.1673

#1	.41874	.28528	-.00051	-.00561	.00567	-.0007	6.8181	4.7788
#2	.41244	.27578	-.00031	-.00223	.00604	-.0013	6.8031	4.5259
#3	.40978	.26485	-.00034	.00052	.00583	-.0042	6.7784	4.9152

Sample Name: K3448-05 Acquired: 6/20/2019 17:54:33 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: M-2(0-10) Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg .98281
 Stddev .51707
 %RSD 52.611

#1 .81970
 #2 1.5618
 #3 .56697

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2213.7	26620.	1761.1	41.920	2300.5
Stddev	13.9	53.	13.8	.319	15.1
%RSD	.62651	.20030	.78464	.76212	.65467

#1	2200.6	26624.	1745.4	41.559	2286.8
#2	2212.2	26565.	1766.5	42.167	2298.1
#3	2228.2	26671.	1771.5	42.033	2316.6

Sample Name: K3448-06 Acquired: 6/20/2019 17:58:59 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: M-3(0-10) Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	-.00049	.00449	.00334	-.00681	.04029	.23853	.00014
Stddev	.00144	.00119	.00074	.00509	.00036	.01188	.00190	.00011
%RSD	611.21	242.97	16.373	152.41	5.3224	29.481	.79841	75.100

#1	.00071	-.00083	.00467	-.00213	-.00720	.05218	.23791	.00009
#2	-.00190	.00083	.00511	.00420	-.00649	.04027	.23702	.00027
#3	.00048	-.00147	.00368	.00795	-.00675	.02842	.24067	.00008

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	11.459	.00017	.00089	.00220	.00495	.24532	1.9678
Stddev	.00013	.078	.00028	.00023	.00025	.00020	.00051	.0623
%RSD	46.725	.67824	163.63	25.903	11.385	4.0211	.20864	3.1635

#1	.00020	11.370	-.00014	.00087	.00208	.00474	.24474	2.0194
#2	.00019	11.504	.00038	.00067	.00249	.00514	.24552	1.8986
#3	.00041	11.505	.00027	.00113	.00204	.00498	.24571	1.9852

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00281	.00041	243.62	-.00037	.09536	1.0465	-.00015	-.04069
Stddev	.00030	.00102	1.45	.00054	.00040	.0914	.00029	.01873
%RSD	10.642	250.56	.59468	143.96	.41789	8.7327	191.88	46.027

#1	.00314	.00022	242.04	-.00079	.09579	.94990	.00017	-.02016
#2	.00257	-.00051	243.93	-.00056	.09526	1.0579	-.00038	-.04508
#3	.00271	.00151	244.88	.00023	.09501	1.1316	-.00024	-.05684

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24154	.50270	-.00082	-.00289	.00283	.0044	4.3557	3.8122
Stddev	.00148	.00565	.00028	.00270	.00144	.0013	.0222	.1737
%RSD	.61326	1.1247	33.937	93.289	50.786	28.40	.50986	4.5565

#1	.24064	.49816	-.00060	-.00388	.00132	.0030	4.3664	3.9043
#2	.24325	.50904	-.00072	-.00496	.00419	.0049	4.3302	3.6118
#3	.24073	.50091	-.00113	.00016	.00298	.0053	4.3706	3.9205

Sample Name: K3448-06 Acquired: 6/20/2019 17:58:59 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: M-3(0-10) Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	.60955
Stddev	.42543
%RSD	69.793

#1	.20272
#2	.57453
#3	1.0514

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2261.2	26876.	1756.5	42.193	2369.9
Stddev	12.4	11.	16.3	.850	10.9
%RSD	.54994	.03907	.92631	2.0147	.46139

#1	2251.6	26875.	1738.0	43.171	2360.7
#2	2256.9	26866.	1768.5	41.775	2367.1
#3	2275.3	26887.	1763.0	41.633	2382.0

Sample Name: K3450-02 Acquired: 6/20/2019 18:03:23 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: DAM-CONCRETE Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	-.00041	.00331	.00557	-.00776	.02236	.08535	.00006
Stddev	.00229	.00046	.00077	.00111	.00076	.00862	.00110	.00013
%RSD	3083.6	112.89	23.170	19.992	9.7325	38.581	1.2850	206.46
#1	-.00244	.00012	.00250	.00440	-.00689	.01332	.08409	-.00001
#2	.00011	-.00067	.00402	.00568	-.00823	.02324	.08589	.00021
#3	.00212	-.00067	.00340	.00662	-.00817	.03050	.08608	-.00001
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	116.92	-.00262	-.00027	.00012	-.00155	.00033	2.0617
Stddev	.00006	1.01	.00035	.00017	.00033	.00088	.00006	.0706
%RSD	22.014	.85965	13.266	64.780	282.86	56.325	18.557	3.4218
#1	-.00025	115.76	-.00225	-.00008	-.00007	-.00257	.00034	2.0233
#2	-.00034	117.53	-.00269	-.00042	-.00007	-.00108	.00038	2.1431
#3	-.00023	117.46	-.00294	-.00030	.00049	-.00102	.00026	2.0187
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00099	.00006	252.32	.00109	.00981	2.1438	.00000	-.06535
Stddev	.00028	.00004	2.38	.00059	.00026	.0735	.00018	.02481
%RSD	27.950	65.495	.94486	53.969	2.6630	3.4265	30482.	37.961
#1	-.00101	.00008	249.62	.00073	.01009	2.0782	.00017	-.08080
#2	-.00126	.00001	254.13	.00177	.00957	2.1300	-.00019	-.03674
#3	-.00071	.00008	253.20	.00077	.00978	2.2231	.00002	-.07852
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.4316	4.0773	-.01219	-.01399	.00691	.0011	F 60.599	4.2144
Stddev	.0158	.0387	.00118	.00213	.00326	.0013	.274	.1363
%RSD	.46028	.94851	9.7183	15.204	47.089	114.1	.45243	3.2350
#1	3.4482	4.1185	-.01102	-.01222	.00331	.0020	60.285	4.2940
#2	3.4299	4.0418	-.01339	-.01635	.00781	-.0004	60.720	4.2922
#3	3.4167	4.0717	-.01215	-.01340	.00963	.0017	60.792	4.0570

Sample Name: K3450-02 Acquired: 6/20/2019 18:03:23 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: DAM-CONCRETE Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg 1.3840
 Stddev .6051
 %RSD 43.723

#1 .73759
 #2 1.9370
 #3 1.4773

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2244.6	26985.	1761.0	43.651	2346.8
Stddev	8.5	69.	10.9	1.765	8.0
%RSD	.37776	.25418	.61662	4.0431	.33914

#1	2237.4	26991.	1749.1	43.471	2339.1
#2	2242.4	26913.	1763.7	41.983	2346.3
#3	2253.9	27050.	1770.3	45.498	2355.0

Sample Name: K3453-02 Acquired: 6/20/2019 18:07:46 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FRAC-TANK-MU Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01017	-.00088	.01094	.00580	-.00674	.12873	.18093	.00034
Stddev	.00306	.00041	.00024	.00247	.00167	.02095	.00057	.00009
%RSD	30.082	46.821	2.1795	42.537	24.840	16.272	.31624	27.891

#1	.01027	-.00068	.01087	.00676	-.00867	.11887	.18152	.00035
#2	.01317	-.00061	.01075	.00300	-.00568	.15279	.18088	.00043
#3	.00706	-.00135	.01121	.00764	-.00586	.11454	.18038	.00024

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00096	43.263	-.00246	.00522	.00633	9.2068	.65453	3.1532
Stddev	.00005	.198	.00068	.00031	.00006	.0150	.00043	.0867
%RSD	5.4712	.45827	27.512	5.9699	.93008	.16308	.06563	2.7485

#1	.00090	43.434	-.00222	.00519	.00638	9.2233	.65404	3.1856
#2	.00099	43.046	-.00323	.00555	.00627	9.2031	.65485	3.0549
#3	.00099	43.310	-.00194	.00493	.00636	9.1939	.65471	3.2189

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01139	-.00018	282.66	.00055	.58797	.86418	-.00055	-.06297
Stddev	.00023	.00070	.26	.00053	.00162	.02624	.00025	.01242
%RSD	2.0544	393.39	.09115	96.844	.27583	3.0359	44.573	19.732

#1	.01129	-.00083	282.95	.00010	.58746	.84041	-.00074	-.07361
#2	.01166	.00057	282.45	.00114	.58979	.85979	-.00027	-.06597
#3	.01122	-.00027	282.59	.00042	.58667	.89233	-.00064	-.04931

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13999	1.0094	-.00375	-.00561	.00441	.0349	F 22.949	4.3561
Stddev	.00386	.0023	.00054	.00135	.00114	.0002	.040	.2004
%RSD	2.7585	.22672	14.331	24.091	25.957	.6905	.17382	4.6009

#1	.14439	1.0105	-.00324	-.00413	.00309	.0346	22.995	4.1959
#2	.13719	1.0067	-.00370	-.00593	.00492	.0350	22.929	4.5808
#3	.13838	1.0109	-.00431	-.00677	.00520	.0350	22.923	4.2917

Sample Name: K3453-02 Acquired: 6/20/2019 18:07:46 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: FRAC-TANK-MU Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	3.2948
Stddev	.5325
%RSD	16.161

#1	3.6106
#2	2.6801
#3	3.5938

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2246.0	26731.	1760.4	42.640	2327.7
Stddev	3.9	113.	9.9	1.396	1.8
%RSD	.17208	.42438	.56162	3.2733	.07736

#1	2242.3	26620.	1758.9	41.035	2326.5
#2	2250.1	26726.	1751.3	43.315	2326.9
#3	2245.8	26847.	1770.9	43.569	2329.8

Sample Name: K3454-03 Acquired: 6/20/2019 18:12:07 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 30272 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00046	-.00014	.00111	.00214	-.00764	.01018	.22362	-.00000
Stddev	.00125	.00178	.00071	.00101	.00162	.00609	.00321	.00005
%RSD	272.33	1258.3	64.047	47.266	21.159	59.770	1.4373	6841.5

#1	-.00054	-.00216	.00063	.00319	-.00582	.01506	.22320	-.00003
#2	.00186	.00052	.00192	.00205	-.00891	.00336	.22064	-.00003
#3	.00005	.00121	.00077	.00117	-.00818	.01212	.22703	.00006

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	.41854	.00090	-.00031	-.00051	.03635	.00467	-.06781
Stddev	.00010	.02046	.00058	.00023	.00030	.00091	.00013	.03337
%RSD	7825.9	4.8877	64.415	73.685	59.517	2.5028	2.7721	49.215

#1	.00011	.40817	.00149	-.00027	-.00016	.03662	.00475	-.04544
#2	-.00004	.44211	.00034	-.00055	-.00071	.03534	.00452	-.10617
#3	-.00007	.40535	.00086	-.00010	-.00065	.03710	.00473	-.05182

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00198	.00063	244.53	.00042	.13708	.48218	-.00007	-.01885
Stddev	.00026	.00011	1.54	.00021	.00021	.02498	.00014	.01699
%RSD	13.069	17.116	.62944	49.215	.15178	5.1797	194.40	90.145

#1	.00204	.00057	243.76	.00053	.13693	.45660	.00001	-.02414
#2	.00169	.00058	243.53	.00056	.13732	.48343	.00000	-.03257
#3	.00220	.00076	246.30	.00018	.13700	.50650	-.00024	.00016

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24382	.01623	-.00028	.00121	.00580	.0233	.19033	3.4105
Stddev	.00334	.00526	.00021	.00202	.00440	.0008	.00535	.2197
%RSD	1.3689	32.404	74.236	167.11	75.971	3.510	2.8089	6.4409

#1	.24150	.02153	-.00007	.00314	.00074	.0231	.19066	3.2145
#2	.24764	.01615	-.00029	.00138	.00784	.0241	.18482	3.6480
#3	.24231	.01101	-.00048	-.00089	.00880	.0225	.19550	3.3690

Sample Name: K3454-03 Acquired: 6/20/2019 18:12:07 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: 30272 Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg <.00000
Stddev .30417
%RSD 493.32

#1 -.32115
#2 -.13688
#3 .27306

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2246.8	26609.	1733.6	43.601	2376.9
Stddev	8.2	15.	19.8	.747	9.9
%RSD	.36397	.05622	1.1443	1.7141	.41542

#1	2245.1	26600.	1724.5	43.969	2377.7
#2	2239.6	26626.	1719.9	44.093	2366.6
#3	2255.7	26600.	1756.3	42.741	2386.3

Sample Name: K3455-02 Acquired: 6/20/2019 18:16:32 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-1-MH Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00206	-.00054	.34960	.00336	-.00568	.04814	.15562	.00009
Stddev	.00181	.00123	.00315	.00227	.00145	.01339	.00018	.00005
%RSD	88.191	228.76	.90172	67.724	25.486	27.815	.11308	51.508
#1	.00407	-.00025	.35236	.00565	-.00652	.05983	.15575	.00011
#2	.00156	.00052	.35028	.00110	-.00401	.03353	.15568	.00004
#3	.00054	-.00189	.34617	.00332	-.00652	.05107	.15542	.00012
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00440	138.38	-.00078	.00029	.06472	.03864	.08914	1.3185
Stddev	.00003	1.10	.00022	.00006	.00063	.00038	.00026	.0356
%RSD	.79146	.79377	27.706	21.879	.96977	.97997	.29398	2.7031
#1	.00441	137.86	-.00101	.00022	.06467	.03907	.08912	1.3142
#2	.00436	137.64	-.00073	.00030	.06537	.03834	.08889	1.3561
#3	.00442	139.64	-.00059	.00035	.06412	.03851	.08941	1.2852
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00667	-.00010	277.63	.00041	1.3297	1.0401	-.00051	-.06726
Stddev	.00035	.00057	1.93	.00046	.0038	.0741	.00031	.01019
%RSD	5.2265	585.39	.69341	111.77	.28803	7.1265	59.960	15.153
#1	.00640	-.00044	276.80	.00013	1.3285	1.0059	-.00018	-.05581
#2	.00706	-.00042	276.26	.00017	1.3340	.98933	-.00079	-.07534
#3	.00653	.00056	279.83	.00095	1.3266	1.1252	-.00057	-.07063
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.67002	.76983	.00004	-.00785	.00685	.0390	F 12.149	4.6523
Stddev	.00456	.01149	.00041	.00054	.00216	.0026	.078	.1889
%RSD	.67995	1.4930	1171.8	6.9088	31.479	6.580	.64200	4.0611
#1	.66942	.75968	-.00044	-.00811	.00446	.0376	12.109	4.7417
#2	.66579	.78231	.00026	-.00723	.00866	.0419	12.239	4.4353
#3	.67484	.76749	.00028	-.00821	.00744	.0374	12.100	4.7800

Sample Name: K3455-02 Acquired: 6/20/2019 18:16:32 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-1-MH Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	1.6719
Stddev	.7296
%RSD	43.637

#1	2.0379
#2	.83176
#3	2.1459

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2207.8	26349.	1738.4	43.203	2290.4
Stddev	3.1	58.	12.5	.767	3.6
%RSD	.14255	.21940	.72178	1.7760	.15609

#1	2211.1	26327.	1739.9	43.733	2294.3
#2	2204.8	26414.	1725.2	42.323	2287.3
#3	2207.5	26305.	1750.2	43.553	2289.5

Sample Name: K3455-04 Acquired: 6/20/2019 18:20:53 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-2-GIS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-.00080	.04846	.00317	-.00392	.07496	.09333	.00010
Stddev	.00117	.00142	.00032	.00305	.00221	.01709	.00086	.00011
%RSD	398.65	176.97	.65655	96.038	56.498	22.793	.92522	109.47

#1	-.00089	.00069	.04874	.00469	-.00175	.07314	.09405	.00002
#2	.00144	-.00095	.04812	.00517	-.00617	.09288	.09357	.00005
#3	.00033	-.00214	.04853	-.00033	-.00383	.05886	.09237	.00022

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	7.0736	.00147	.00009	.01250	.04630	.05712	.68918
Stddev	.00005	.0717	.00003	.00029	.00022	.00108	.00035	.04764
%RSD	14.205	1.0134	1.8088	325.62	1.7539	2.3309	.61267	6.9123

#1	.00037	7.0584	.00149	.00014	.01240	.04752	.05740	.71605
#2	.00030	7.1516	.00144	.00034	.01276	.04588	.05723	.63418
#3	.00039	7.0107	.00149	-.00022	.01236	.04549	.05673	.71731

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00088	.00001	264.43	.00041	.06217	.62097	-.00047	-.07504
Stddev	.00013	.00025	.96	.00050	.00014	.01902	.00009	.01687
%RSD	15.011	2110.4	.36370	120.02	.23295	3.0632	19.481	22.482

#1	.00086	.00008	264.44	.00086	.06227	.60876	-.00052	-.09136
#2	.00102	-.00027	265.39	.00051	.06200	.61126	-.00054	-.05767
#3	.00076	.00023	263.46	-.00012	.06224	.64289	-.00037	-.07611

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11661	.44420	-.00040	.00270	.00141	.0327	2.3998	3.1140
Stddev	.00374	.00037	.00015	.00157	.00067	.0019	.0156	.2521
%RSD	3.2050	.08332	38.877	58.101	47.858	5.788	.65098	8.0947

#1	.11586	.44391	-.00043	.00346	.00118	.0339	2.3825	3.4050
#2	.12067	.44407	-.00053	.00373	.00217	.0305	2.4130	2.9718
#3	.11331	.44462	-.00023	.00089	.00088	.0337	2.4038	2.9651

Sample Name: K3455-04 Acquired: 6/20/2019 18:20:53 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-2-GIS Custom ID2: Custom ID3:
 Comment:

Elem U_3859
 Units ppm
 Avg .14158
 Stddev .72832
 %RSD 514.42

#1 .93457
 #2 -.01241
 #3 -.49743

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2266.3	26918.	1765.2	43.334	2378.1
Stddev	4.0	152.	7.1	.800	4.1
%RSD	.17499	.56395	.39976	1.8468	.17127

#1	2270.8	26809.	1770.1	44.257	2382.6
#2	2264.7	26855.	1768.4	42.832	2376.9
#3	2263.4	27092.	1757.1	42.913	2374.7

Sample Name: K3455-06 Acquired: 6/20/2019 18:25:18 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-3-GIS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00233	.00055	.00273	.00263	-.01080	.14233	.03123	.00024
Stddev	.00181	.00097	.00091	.00186	.00102	.00821	.00011	.00006
%RSD	77.487	177.60	33.285	70.937	9.3995	5.7684	.35800	26.801
#1	.00276	.00053	.00169	.00136	-.01154	.13474	.03124	.00021
#2	.00389	.00153	.00333	.00176	-.00965	.15104	.03111	.00019
#3	.00035	-.00041	.00319	.00477	-.01123	.14120	.03134	.00031
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	16.844	.00092	.00134	.00476	.04555	.12858	1.1571
Stddev	.00018	.089	.00027	.00007	.00004	.00070	.00068	.0648
%RSD	808.80	.52865	29.229	5.5787	.92899	1.5267	.52760	5.5976
#1	-.00007	16.797	.00092	.00132	.00478	.04629	.12936	1.0941
#2	.00018	16.788	.00119	.00127	.00480	.04545	.12819	1.1539
#3	-.00018	16.947	.00065	.00142	.00471	.04491	.12818	1.2235
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00445	.00059	270.00	-.00012	.06025	.53702	-.00018	-.06836
Stddev	.00019	.00051	.64	.00061	.00023	.00996	.00032	.01517
%RSD	4.3095	86.271	.23647	519.13	.38588	1.8552	176.90	22.191
#1	.00428	.00098	270.26	.00027	.06031	.52555	.00005	-.05563
#2	.00466	.00001	270.47	-.00082	.06043	.54352	-.00005	-.08515
#3	.00440	.00078	269.27	.00020	.05999	.54199	-.00054	-.06431
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 13.770	.31412	-.00524	-.00066	.00462	.0022	.79909	3.2907
Stddev	.069	.00089	.00077	.00176	.00413	.0021	.00086	.2162
%RSD	.49781	.28275	14.673	266.96	89.552	91.67	.10742	6.5691
#1	13.833	.31499	-.00452	-.00052	.00002	.0038	.79818	3.5273
#2	13.780	.31415	-.00517	-.00248	.00581	.0030	.79988	3.2412
#3	13.697	.31322	-.00605	.00102	.00802	-.0001	.79920	3.1035

Sample Name: K3455-06 Acquired: 6/20/2019 18:25:18 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-3-GIS Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	.45463
Stddev	.54175
%RSD	119.16

#1	1.0436
#2	-.02245
#3	.34278

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2295.6	27172.	1777.5	44.552	2436.1
Stddev	5.9	130.	14.2	1.500	10.3
%RSD	.25735	.47921	.80035	3.3672	.42193

#1	2289.6	27045.	1769.3	46.143	2425.0
#2	2301.5	27166.	1769.4	43.163	2445.2
#3	2295.6	27306.	1794.0	44.349	2438.1

Sample Name: CCV05 Acquired: 6/20/2019 18:29:41 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB120781BL Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8023	4.6442	4.5757	4.7792	4.7544	9.0982	9.6455	.23779
Stddev	.0135	.0017	.0054	.0036	.0121	.0614	.0368	.00025
%RSD	.28082	.03633	.11891	.07518	.25507	.67427	.38129	.10621
#1	4.8144	4.6435	4.5772	4.7793	4.7683	9.1372	9.6783	.23786
#2	4.7877	4.6462	4.5802	4.7756	4.7465	9.0275	9.6525	.23800
#3	4.8047	4.6430	4.5697	4.7828	4.7483	9.1299	9.6058	.23751
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3129	23.400	.93211	2.3065	1.1921	4.7738	2.3863	23.372
Stddev	.0025	.106	.00026	.0019	.0043	.0078	.0054	.059
%RSD	.10752	.45346	.02831	.08360	.36213	.16312	.22527	.25217
#1	2.3101	23.415	.93233	2.3065	1.1958	4.7823	2.3925	23.423
#2	2.3148	23.287	.93220	2.3084	1.1874	4.7670	2.3827	23.308
#3	2.3139	23.497	.93182	2.3045	1.1930	4.7720	2.3838	23.386
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3135	1.2182	23.287	2.3808	2.3233	23.870	4.8301	4.7502
Stddev	.0028	.0018	.066	.0046	.0008	.152	.0056	.0028
%RSD	.12130	.14766	.28320	.19115	.03604	.63728	.11640	.05882
#1	2.3165	1.2202	23.360	2.3849	2.3226	24.039	4.8277	4.7519
#2	2.3131	1.2167	23.270	2.3759	2.3242	23.829	4.8260	4.7518
#3	2.3110	1.2177	23.232	2.3815	2.3232	23.743	4.8365	4.7470
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.5913	4.7839	4.6866	4.6134	4.7830	4.621	F 238.65	F 3.7748
Stddev	.0195	.0417	.0045	.0138	.0304	.004	1.45	.3244
%RSD	.42375	.87129	.09679	.29883	.63468	.0751	.60608	8.5931
#1	4.5690	4.7360	4.6917	4.6018	4.7595	4.618	237.73	4.1483
#2	4.6045	4.8119	4.6851	4.6097	4.8173	4.625	240.31	3.6117
#3	4.6006	4.8038	4.6831	4.6286	4.7722	4.620	237.90	3.5643

Sample Name: CCV05 Acquired: 6/20/2019 18:29:41 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: PB120781BL Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	F 2.5107
Stddev	.4327
%RSD	17.234

#1	3.0063
#2	2.2083
#3	2.3175

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2293.1	27608.	1777.7	43.624	2331.3
Stddev	3.4	61.	9.7	.380	4.2
%RSD	.15022	.21914	.54531	.87081	.18188

#1	2289.2	27543.	1786.2	43.239	2328.6
#2	2295.5	27620.	1767.1	43.999	2329.2
#3	2294.7	27662.	1779.6	43.633	2336.2

Sample Name: CCB05 Acquired: 6/20/2019 18:33:40 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: PB120781BS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	.00065	-.00161	.00019	-.00623	-.00447	.00111
Stddev	.00409	.00087	.00112	.00169	.00152	.01101	.00014
%RSD	1554.4	134.72	69.712	886.44	24.405	246.62	12.448

#1	.00266	.00155	-.00097	.00152	-.00692	-.00698	.00095
#2	-.00446	.00057	-.00290	-.00171	-.00449	-.01401	.00122
#3	.00259	-.00018	-.00095	.00075	-.00728	.00759	.00114

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00000	-.01796	.00018	-.00016	-.00095	-.00140
Stddev	.00010	.00011	.01796	.00048	.00009	.00041	.00068
%RSD	54.276	16898.	100.02	267.43	57.151	42.785	48.906

#1	.00030	-.00003	-.02760	-.00033	-.00025	-.00099	-.00177
#2	.00013	.00013	-.02905	.00025	-.00015	-.00133	-.00182
#3	.00012	-.00009	.00277	.00061	-.00007	-.00052	-.00061

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	-.03531	.00124	.00076	.12915	-.00031	-.00052
Stddev	.00005	.03662	.00016	.00034	.02137	.00041	.00014
%RSD	18.900	103.70	13.001	45.141	16.545	130.93	27.400

#1	-.00027	-.01079	.00132	.00107	.10772	-.00051	-.00066
#2	-.00032	-.07740	.00106	.00039	.15046	.00016	-.00052
#3	-.00022	-.01774	.00135	.00082	.12926	-.00058	-.00037

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.10771	.00056	F -.07305	F -.01122	-.02865	.00042	.00027
Stddev	.02525	.00009	.03063	.00369	.00329	.00072	.00332
%RSD	23.441	15.997	41.929	32.918	11.485	170.17	1229.1

#1	-.13041	.00064	-.08705	-.01465	-.02518	.00117	.00021
#2	-.11220	.00047	-.03793	-.00731	-.03172	.00036	.00362
#3	-.08052	.00057	-.09419	-.01170	-.02906	-.00026	-.00302

Sample Name: CCB05 Acquired: 6/20/2019 18:33:40 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: PB120781BS Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00932	-0.0029	-0.00887	F 2.3280	F .08373
Stddev	.00227	.0029	.00649	.4837	.40746
%RSD	24.347	98.17	73.161	20.778	486.66

#1	-0.01194	-0.0062	-0.00245	2.8738	-.21002
#2	-0.00814	-0.0012	-0.01542	1.9524	.54889
#3	-0.00789	-0.0013	-0.00874	2.1577	-.08770

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2354.1	28543.	1779.3	43.122	2659.3
Stddev	17.1	45.	2.1	2.540	15.7
%RSD	.72679	.15805	.11686	5.8903	.59045

#1	2357.4	28496.	1776.9	42.692	2655.7
#2	2369.3	28548.	1780.8	45.850	2676.5
#3	2335.6	28585.	1780.2	40.825	2645.7

Sample Name: K3455-08 Acquired: 6/20/2019 18:38:08 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-4-GIS Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00189	.00055	.06675	.00307	-.00785	.10373	.06087	.00005
Stddev	.00386	.00037	.00093	.00181	.00158	.00989	.00091	.00013
%RSD	204.18	67.151	1.3884	58.913	20.086	9.5388	1.4882	287.13
#1	.00606	.00034	.06652	.00383	-.00666	.10384	.06129	.00014
#2	-.00156	.00032	.06597	.00101	-.00725	.11356	.06149	-.00011
#3	.00117	.00097	.06777	.00439	-.00963	.09378	.05983	.00011
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	33.330	-.00024	.00134	.02888	.15092	.18604	1.2017
Stddev	.00006	.215	.00030	.00008	.00015	.00215	.00015	.0605
%RSD	15.618	.64472	122.02	6.2657	.53165	1.4268	.08051	5.0315
#1	.00031	33.402	-.00009	.00129	.02871	.15308	.18609	1.2578
#2	.00038	33.500	-.00058	.00144	.02893	.15088	.18617	1.1377
#3	.00043	33.088	-.00005	.00130	.02901	.14878	.18588	1.2097
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00316	.00038	234.46	-.00021	.14909	1.4881	.00001	-.06872
Stddev	.00027	.00031	1.15	.00029	.00037	.0270	.00038	.01096
%RSD	8.5561	80.772	.48939	138.27	.24981	1.8122	3262.3	15.942
#1	.00308	.00064	234.70	-.00030	.14945	1.4572	-.00014	-.07504
#2	.00347	.00047	235.48	-.00044	.14910	1.5003	-.00027	-.05607
#3	.00294	.00004	233.22	.00011	.14871	1.5069	.00044	-.07506
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.4885	1.1280	-.00301	.00216	-.00516	.0115	F 10.124	4.6802
Stddev	.0182	.0058	.00074	.00107	.00150	.0014	.012	.1580
%RSD	.52079	.51406	24.563	49.526	29.146	12.23	.12314	3.3763
#1	3.5090	1.1334	-.00216	.00307	-.00534	.0118	10.122	4.6454
#2	3.4820	1.1219	-.00336	.00242	-.00656	.0100	10.113	4.8527
#3	3.4744	1.1288	-.00351	.00098	-.00357	.0127	10.137	4.5424

Sample Name: K3455-08 Acquired: 6/20/2019 18:38:08 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: TP-4-GIS Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	1.1863
Stddev	.1133
%RSD	9.5530

#1	1.0658
#2	1.2908
#3	1.2023

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2248.4	26691.	1747.6	43.619	2385.7
Stddev	12.1	166.	3.8	.605	12.1
%RSD	.53734	.62369	.21661	1.3861	.50808

#1	2236.5	26583.	1744.1	42.965	2372.8
#2	2248.2	26608.	1751.6	43.734	2387.5
#3	2260.6	26883.	1747.1	44.157	2396.9

Sample Name: K3455-10 Acquired: 6/20/2019 18:42:32 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-5-DUCT-BA Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00325	-.00040	.47537	.00351	-.00876	.07244	.26328	.00009
Stddev	.00289	.00067	.00309	.00091	.00308	.01956	.00302	.00003
%RSD	88.695	167.58	.65001	26.002	35.158	27.006	1.1479	36.038

#1	.00655	-.00108	.47841	.00442	-.01097	.06999	.26037	.00005
#2	.00118	.00025	.47545	.00352	-.01008	.05422	.26305	.00009
#3	.00203	-.00036	.47223	.00260	-.00524	.09312	.26640	.00012

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	45.467	.00031	.00137	.01392	.01801	.16720	.93592
Stddev	.00004	.595	.00013	.00014	.00020	.00027	.00031	.03879
%RSD	15.584	1.3078	42.189	9.8856	1.4149	1.4895	.18291	4.1445

#1	.00022	44.798	.00034	.00147	.01399	.01778	.16692	.96524
#2	.00024	45.934	.00042	.00122	.01370	.01793	.16752	.95059
#3	.00030	45.669	.00017	.00143	.01407	.01830	.16716	.89193

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00160	.00032	268.01	.00002	.11565	1.2315	-.00041	-.07809
Stddev	.00063	.00040	1.51	.00064	.00034	.0312	.00027	.00698
%RSD	39.349	123.82	.56231	3059.5	.29080	2.5292	65.961	8.9320

#1	.00232	.00075	266.29	-.00052	.11603	1.1994	-.00066	-.08437
#2	.00129	-.00004	269.09	-.00014	.11550	1.2616	-.00044	-.07058
#3	.00118	.00025	268.65	.00072	.11542	1.2334	-.00013	-.07931

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27737	1.8852	-.00066	-.00066	-.00164	.0233	7.9731	4.5282
Stddev	.00272	.0230	.00071	.00466	.00092	.0024	.1888	.2032
%RSD	.98048	1.2190	107.61	710.53	56.016	10.24	2.3673	4.4865

#1	.28035	1.8595	-.00010	-.00584	-.00141	.0260	7.7585	4.4275
#2	.27674	1.9037	-.00146	.00320	-.00264	.0223	8.1133	4.7620
#3	.27502	1.8924	-.00042	.00067	-.00086	.0216	8.0475	4.3950

Sample Name: K3455-10 Acquired: 6/20/2019 18:42:32 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: TP-5-DUCT-BA Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg .56468
Stddev .41508
%RSD 73.506

#1 .56845
#2 .14774
#3 .97786

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2256.8	26805.	1771.8	44.761	2348.0
Stddev	8.8	94.	22.2	1.470	9.5
%RSD	.38826	.34923	1.2534	3.2833	.40350

#1	2248.1	26767.	1792.8	44.071	2337.3
#2	2256.8	26736.	1748.6	43.763	2350.9
#3	2265.6	26912.	1774.0	46.448	2355.6

Sample Name: K3450-01DLX10 Acquired: 6/20/2019 18:46:55 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB8340 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00604	-.00021	.00946	.00158	-.01055	19.638	.15057	.00105
Stddev	.00201	.00046	.00104	.00101	.00222	.173	.00170	.00006
%RSD	33.255	219.96	11.030	64.294	21.042	.87984	1.1275	5.7497
#1	.00820	-.00063	.01067	.00237	-.00883	19.829	.14914	.00111
#2	.00423	.00028	.00884	.00192	-.00977	19.593	.15245	.00104
#3	.00570	-.00027	.00888	.00044	-.01306	19.492	.15013	.00099
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00048	209.19	.01294	.00348	.03448	10.650	.31654	8.4376
Stddev	.00021	.76	.00023	.00013	.00041	.021	.00134	.0848
%RSD	44.068	.36335	1.8109	3.6024	1.1873	.19359	.42185	1.0053
#1	-.00024	208.72	.01310	.00342	.03491	10.673	.31808	8.3504
#2	-.00060	210.07	.01267	.00339	.03445	10.635	.31567	8.4427
#3	-.00060	208.78	.01305	.00362	.03409	10.641	.31587	8.5198
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00809	.00010	.59250	.01963	.02732	1.2707	-.00015	-.05472
Stddev	.00019	.00057	.00588	.00062	.00019	.0505	.00022	.02085
%RSD	2.3524	564.36	.99166	3.1644	.68999	3.9753	142.07	38.102
#1	.00831	-.00048	.58773	.02016	.02751	1.3057	-.00037	-.07504
#2	.00796	.00012	.59906	.01895	.02733	1.2936	.00007	-.05574
#3	.00800	.00066	.59072	.01976	.02713	1.2128	-.00017	-.03338
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2935	.07155	-.00966	.69200	.00510	.7229	F 57.194	4.2904
Stddev	.0132	.00911	.00015	.02441	.00228	.0018	2.373	.2628
%RSD	.40076	12.731	1.5274	3.5271	44.665	.2429	4.1485	6.1244
#1	3.2979	.08206	-.00976	.71932	.00693	.7222	59.924	4.2072
#2	3.3039	.06603	-.00949	.67235	.00582	.7216	55.628	4.0793
#3	3.2787	.06655	-.00973	.68432	.00255	.7249	56.030	4.5846

Sample Name: K3450-01DLX10 Acquired: 6/20/2019 18:46:55 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: ICSAB8340 Custom ID2: Custom ID3:
Comment:

Elem	U_3859
Units	ppm
Avg	4.2436
Stddev	.3775
%RSD	8.8958

#1	4.4921
#2	3.8092
#3	4.4295

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2287.0	27412.	1747.3	42.514	2391.8
Stddev	4.0	56.	73.2	1.994	3.2
%RSD	.17360	.20497	4.1900	4.6905	.13190

#1	2286.9	27391.	1663.5	41.808	2395.4
#2	2291.0	27370.	1799.3	40.969	2389.4
#3	2283.1	27476.	1779.0	44.765	2390.6

Sample Name: K3419-03DLX10 Acquired: 6/20/2019 18:51:17 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00392	.00182	.01668	.00737	-.00816	15.996	.07853	.00141
Stddev	.00298	.00091	.00114	.00432	.00297	.206	.00092	.00003
%RSD	76.115	49.714	6.8235	58.580	36.320	1.2869	1.1715	2.2451

#1	.00269	.00084	.01740	.00603	-.00639	15.779	.07810	.00138
#2	.00175	.00201	.01726	.01220	-.00651	16.188	.07958	.00141
#3	.00732	.00262	.01536	.00388	-.01159	16.022	.07789	.00144

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00092	17.931	.02758	.01372	.06480	35.944	.53028	8.9811
Stddev	.00002	.125	.00026	.00012	.00055	.049	.00072	.0984
%RSD	1.7060	.69509	.95278	.88172	.84955	.13646	.13518	1.0952

#1	-.00092	17.795	.02747	.01370	.06417	35.903	.53053	8.9151
#2	-.00091	18.040	.02788	.01384	.06517	35.998	.53084	9.0942
#3	-.00094	17.959	.02739	.01360	.06506	35.931	.52947	8.9342

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02343	-.00040	1.2640	.06118	.05950	2.1247	.00078	-.07979
Stddev	.00058	.00032	.0294	.00046	.00026	.0345	.00038	.02266
%RSD	2.4590	80.005	2.3237	.75261	.43106	1.6250	48.434	28.404

#1	.02277	-.00043	1.2327	.06171	.05949	2.0991	.00035	-.08750
#2	.02381	-.00071	1.2683	.06100	.05976	2.1640	.00104	-.09759
#3	.02373	-.00007	1.2909	.06084	.05925	2.1111	.00094	-.05427

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.82547	.22025	.00088	.51829	.00965	.7646	2.8314	2.5807
Stddev	.00653	.00353	.00054	.00293	.00133	.0006	.0114	.0599
%RSD	.79066	1.6047	61.974	.56586	13.768	.0741	.40187	2.3190

#1	.82134	.21821	.00079	.51752	.00963	.7651	2.8446	2.5214
#2	.82208	.22434	.00146	.51581	.00832	.7640	2.8254	2.5797
#3	.83300	.21822	.00038	.52153	.01098	.7645	2.8244	2.6411

Sample Name: K3419-03DLX10 Acquired: 6/20/2019 18:51:17 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg 10.949
Stddev .563
%RSD 5.1446

#1 11.589
#2 10.729
#3 10.530

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2396.0	28750.	1813.8	42.167	2537.1
Stddev	10.9	114.	8.4	.437	9.8
%RSD	.45479	.39803	.46091	1.0367	.38651

#1	2383.8	28881.	1805.6	41.700	2527.4
#2	2404.8	28698.	1822.3	42.233	2547.0
#3	2399.4	28671.	1813.6	42.567	2536.9

Sample Name: K3419-07DLX10 Acquired: 6/20/2019 18:55:38 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00595	.00152	.02313	.00793	-.00871	16.088	.09131	.00168
Stddev	.00027	.00127	.00123	.00250	.00343	.064	.00088	.00001
%RSD	4.6082	83.644	5.3333	31.557	39.372	.40033	.96876	.83891

#1	.00621	.00293	.02187	.01039	-.00851	16.142	.09041	.00166
#2	.00597	.00114	.02434	.00802	-.01223	16.017	.09218	.00168
#3	.00567	.00048	.02318	.00539	-.00538	16.105	.09133	.00169

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00076	18.130	.03429	.01621	.07192	37.332	.55144	9.4369
Stddev	.00007	.116	.00077	.00011	.00073	.046	.00072	.0434
%RSD	8.5956	.63856	2.2325	.66085	1.0117	.12214	.13010	.45989

#1	-.00071	18.123	.03343	.01621	.07139	37.361	.55092	9.4686
#2	-.00073	18.249	.03488	.01610	.07275	37.356	.55226	9.3874
#3	-.00083	18.018	.03457	.01631	.07163	37.280	.55113	9.4547

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02825	-.00012	2.0815	.07289	.06727	2.1229	.00085	-.07995
Stddev	.00003	.00039	.0105	.00054	.00020	.0487	.00030	.00746
%RSD	.12005	330.34	.50241	.74256	.29230	2.2931	35.572	9.3356

#1	.02826	.00024	2.0778	.07249	.06723	2.1178	.00051	-.08445
#2	.02829	-.00053	2.0933	.07351	.06710	2.1740	.00097	-.08406
#3	.02822	-.00006	2.0733	.07268	.06748	2.0770	.00107	-.07133

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0164	.24721	.00085	.59919	.00764	.9218	2.7761	2.5887
Stddev	.0064	.00316	.00048	.00461	.00179	.0035	.0183	.2029
%RSD	.63046	1.2783	56.194	.76960	23.398	.3836	.65996	7.8387

#1	1.0090	.24404	.00120	.59723	.00953	.9179	2.7555	2.8230
#2	1.0195	.25036	.00031	.60446	.00742	.9229	2.7906	2.4718
#3	1.0207	.24724	.00105	.59589	.00598	.9247	2.7823	2.4712

Sample Name: K3419-07DLX10 Acquired: 6/20/2019 18:55:38 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	U_3859
Units	ppm
Avg	11.925
Stddev	.314
%RSD	2.6292

#1	12.130
#2	12.081
#3	11.564

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2404.7	28874.	1813.1	43.350	2518.0
Stddev	5.5	114.	1.5	.705	4.4
%RSD	.22930	.39443	.08022	1.6251	.17360

#1	2406.7	28746.	1811.6	42.867	2519.7
#2	2398.5	28910.	1813.1	43.025	2513.0
#3	2408.9	28965.	1814.5	44.158	2521.3

Sample Name: K3419-09DLX10 Acquired: 6/20/2019 18:59:58 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00514	.00162	.04291	.00584	-.00834	15.128	.08865	.00143
Stddev	.00357	.00106	.00043	.00395	.00205	.069	.00005	.00006
%RSD	69.474	65.057	1.0024	67.583	24.589	.45354	.05404	4.2549

#1	.00488	.00254	.04310	.00816	-.00659	15.140	.08860	.00150
#2	.00884	.00186	.04322	.00128	-.00782	15.055	.08866	.00140
#3	.00171	.00047	.04242	.00807	-.01059	15.191	.08869	.00139

Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00065	13.296	.03009	.01388	.07772	32.449	.56521	7.1744
Stddev	.00007	.044	.00046	.00026	.00040	.061	.00147	.1061
%RSD	10.855	.32753	1.5197	1.8852	.51521	.18932	.25985	1.4785

#1	-.00061	13.298	.03040	.01401	.07726	32.396	.56379	7.1302
#2	-.00074	13.251	.02957	.01405	.07790	32.435	.56513	7.0975
#3	-.00062	13.338	.03031	.01358	.07799	32.516	.56672	7.2954

Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02406	-.00016	1.1818	.05969	.08099	1.5559	.00052	-.03048
Stddev	.00021	.00044	.0173	.00038	.00002	.0509	.00013	.02015
%RSD	.87002	282.28	1.4609	.63291	.02620	3.2741	25.980	66.105

#1	.02426	-.00053	1.1745	.05928	.08100	1.4976	.00038	-.01396
#2	.02407	-.00027	1.1695	.05978	.08099	1.5919	.00065	-.05292
#3	.02385	.00033	1.2016	.06002	.08096	1.5783	.00052	-.02455

Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0471	.14562	.00455	.42054	.00275	.8044	1.6432	2.6514
Stddev	.0088	.00234	.00062	.00357	.00143	.0032	.0111	.5168
%RSD	.83570	1.6070	13.690	.84924	52.180	.3992	.67563	19.490

#1	1.0505	.14754	.00510	.41827	.00193	.8020	1.6383	2.0570
#2	1.0372	.14631	.00387	.41869	.00191	.8033	1.6353	2.9040
#3	1.0536	.14302	.00467	.42466	.00440	.8081	1.6559	2.9934

Sample Name: K3419-09DLX10 Acquired: 6/20/2019 18:59:58 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg 10.356
Stddev .107
%RSD 1.0354

#1 10.454
#2 10.373
#3 10.242

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2390.6	28689.	1803.0	43.217	2530.8
Stddev	4.8	43.	15.0	.588	1.6
%RSD	.19992	.14888	.83119	1.3604	.06240

#1	2389.2	28680.	1798.5	43.792	2529.6
#2	2386.7	28736.	1790.8	42.617	2530.3
#3	2395.9	28652.	1819.7	43.242	2532.6

Sample Name: CCV06 Acquired: 6/20/2019 19:04:19 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.8376	4.6131	4.5660	4.7788	4.7382	F 8.9048	9.6066	.23836
Stddev	.0114	.0164	.0084	.0098	.0042	.0470	.0710	.00068
%RSD	.23624	.35665	.18511	.20613	.08749	.52767	.73951	.28592
#1	4.8487	4.6040	4.5583	4.7727	4.7349	8.8515	9.5254	.23875
#2	4.8383	4.6321	4.5750	4.7902	4.7369	8.9229	9.6569	.23758
#3	4.8258	4.6034	4.5645	4.7736	4.7429	8.9401	9.6376	.23877
Elem	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404	Mn2576	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3148	23.036	.92711	2.2893	1.1952	4.7805	2.3877	23.009
Stddev	.0062	.245	.00236	.0062	.0004	.0079	.0012	.386
%RSD	.26775	1.0623	.25458	.27104	.03420	.16520	.05147	1.6774
#1	2.3143	22.753	.92440	2.2846	1.1950	4.7868	2.3889	22.567
#2	2.3212	23.184	.92869	2.2963	1.1950	4.7831	2.3878	23.186
#3	2.3089	23.171	.92824	2.2869	1.1957	4.7717	2.3865	23.275
Elem	Ni2316	Ag3280	Na5895	V_2924	Zn2138	K_7664	Mo2020	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3071	1.2267	22.936	2.3867	2.3216	23.764	4.8428	4.7029
Stddev	.0043	.0017	.200	.0080	.0049	.156	.0041	.0591
%RSD	.18606	.13549	.87250	.33647	.21069	.65772	.08419	1.2569
#1	2.3034	1.2254	22.706	2.3955	2.3217	23.592	4.8443	4.6384
#2	2.3118	1.2286	23.069	2.3848	2.3264	23.802	4.8459	4.7157
#3	2.3061	1.2262	23.033	2.3799	2.3167	23.898	4.8382	4.7546
Elem	S_1820	Si2881	Sn1899	Ti3361	Li6707	P_1774	Sr4077	U_3670
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.5853	4.8183	4.6898	4.5735	4.7498	4.590	F 236.49	F 4.2554
Stddev	.0106	.0392	.0193	.0358	.0415	.004	1.65	.2690
%RSD	.23120	.81370	.41063	.78333	.87285	.0790	.69891	6.3219
#1	4.5792	4.8108	4.6716	4.5397	4.7166	4.593	235.42	4.5643
#2	4.5976	4.7834	4.7100	4.5699	4.7364	4.590	235.66	4.0732
#3	4.5792	4.8607	4.6879	4.6111	4.7963	4.586	238.40	4.1286

Sample Name: CCV06 Acquired: 6/20/2019 19:04:19 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem U_3859
Units ppm
Avg F 2.5024
Stddev .3330
%RSD 13.306

#1 2.8540
#2 2.1919
#3 2.4613

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2272.3	27331.	1753.0	40.738	2319.8
Stddev	9.7	10.	13.3	2.360	10.4
%RSD	.42643	.03727	.75682	5.7933	.44872

#1	2263.9	27332.	1746.5	40.308	2314.3
#2	2270.2	27341.	1768.2	43.283	2313.2
#3	2282.9	27320.	1744.2	38.622	2331.8

Sample Name: CCB06 Acquired: 6/20/2019 19:08:17 Type: Unk
Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
User: Bin He Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00142	.00106	-.00143	-.00151	-.00806	-.00188	.00123
Stddev	.00143	.00041	.00156	.00201	.00298	.01147	.00076
%RSD	100.83	38.933	109.40	133.65	36.964	609.09	61.550

#1	.00208	.00075	.00034	-.00381	-.00471	.00795	.00140
#2	.00239	.00090	-.00263	-.00011	-.01040	-.01449	.00040
#3	-.00022	.00153	-.00198	-.00060	-.00907	.00088	.00189

Elem	Be2348	Cd2265	Ca3736	Cr2677	Co2286	Cu2247	Fe2404
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-.00002	-.01541	.00014	-.00000	-.00081	-.00092
Stddev	.00005	.00011	.03901	.00020	.00016	.00042	.00023
%RSD	37.333	634.09	253.17	144.79	6655.4	52.203	25.098

#1	.00016	-.00007	-.00353	.00025	-.00014	-.00097	-.00067
#2	.00008	.00011	-.05897	.00025	-.00003	-.00113	-.00097
#3	.00017	-.00009	.01628	-.00009	.00017	-.00033	-.00113

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5895	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00036	-.03392	.00085	.00071	-.03360	-.00028	-.00061
Stddev	.00008	.01339	.00018	.00034	.00966	.00013	.00018
%RSD	22.397	39.465	21.053	48.077	28.761	44.251	29.379

#1	-.00027	-.02766	.00105	.00071	-.03733	-.00032	-.00040
#2	-.00042	-.04929	.00075	.00037	-.04085	-.00014	-.00068
#3	-.00039	-.02481	.00074	.00105	-.02263	-.00038	-.00074

Elem	K_7664	Mo2020	B_2496	S_1820	Si2881	Sn1899	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.13915	.00048	F -.07473	F -.01229	-.02824	.00029	.00019
Stddev	.01848	.00042	.00714	.00308	.00197	.00071	.00116
%RSD	13.277	88.059	9.5499	25.069	6.9842	240.63	611.10

#1	-.11788	.00089	-.08278	-.01338	-.02796	.00111	.00133
#2	-.15118	.00049	-.06919	-.00881	-.03034	-.00009	-.00098
#3	-.14840	.00005	-.07221	-.01467	-.02643	-.00014	.00022

Sample Name: CCB06 Acquired: 6/20/2019 19:08:17 Type: Unk
 Method: P4-ICP2(v3222) Mode: CONC Corr. Factor: 1.000000
 User: Bin He Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Li6707	P_1774	Sr4077	U_3670	U_3859
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -.01411	-.0017	-.00626	F 2.8015	F .12851
Stddev	.00217	.0005	.00868	.3801	.34123
%RSD	15.358	30.68	138.59	13.567	265.54

#1	-.01661	-.0022	.00269	2.4970	.06380
#2	-.01272	-.0012	-.00684	2.6801	.49746
#3	-.01301	-.0015	-.01463	3.2275	-.17574

Int. Std.	Y_2243	Y_3600	Y_3710	In2306	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2361.1	28483.	1778.3	43.414	2668.8
Stddev	.7	82.	7.3	.922	4.6
%RSD	.02996	.28856	.41184	2.1233	.17155

#1	2361.9	28482.	1780.6	43.917	2664.7
#2	2360.6	28566.	1770.1	43.975	2668.0
#3	2360.7	28402.	1784.2	42.350	2673.8