

Sample Name: S0 Acquired: 12/5/2018 14:03:20 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S00 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00040	-.00057	-.00018	.00068	.00075	.00471	.01706	-.00340
Stddev	.00001	.00008	.00005	.00016	.00003	.00065	.00267	.00055
%RSD	3.1351	14.549	28.382	23.930	3.7664	13.828	15.626	16.092

#1	-.00039	-.00067	-.00018	.00075	.00072	.00397	.01442	-.00376
#2	-.00041	-.00055	-.00022	.00050	.00076	.00518	.01702	-.00367
#3	-.00040	-.00051	-.00012	.00080	.00077	.00498	.01975	-.00277

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00056	.00262	.00001	.00017	.00078	.00020	.00000	-.00022
Stddev	.00003	.00050	.00006	.00016	.00069	.00007	.00030	.00014
%RSD	5.2478	18.862	411.50	92.905	88.596	33.752	8896.7	66.807

#1	.00059	.00228	-.00004	.00033	.00126	.00023	-.00028	-.00036
#2	.00057	.00240	.00000	.00001	.00107	.00012	.00031	-.00021
#3	.00053	.00319	.00008	.00017	-.00001	.00025	-.00002	-.00007

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00171	-.00096	-.00102	-.00009	-.00030	.02329	-.00115	.00287
Stddev	.00005	.00009	.00178	.00012	.00013	.00188	.00003	.00090
%RSD	2.9288	8.9860	174.90	137.71	42.339	8.0897	2.6692	31.333

#1	-.00176	-.00086	.00079	-.00009	-.00015	.02212	-.00113	.00341
#2	-.00166	-.00097	-.00108	.00004	-.00038	.02546	-.00114	.00336
#3	-.00171	-.00103	-.00277	-.00021	-.00035	.02228	-.00119	.00183

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.00096	.00039	.00890	.00056	.00130	.01895	.00256	
Stddev	.00011	.00010	.00030	.00011	.00023	.00641	.00042	
%RSD	11.104	25.433	3.3335	19.980	17.310	33.821	16.371	

#1	.00106	.00033	.00922	.00066	.00157	.01236	.00276	
#2	.00085	.00050	.00885	.00057	.00117	.01933	.00284	
#3	.00096	.00034	.00863	.00044	.00118	.02516	.00208	

Sample Name: S0 Acquired: 12/5/2018 14:03:20 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S00 Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2333.9	2596.0	49636.	4802.2	4164.6
Stddev	7.2	.7	157.	44.2	7.3
%RSD	.30646	.02636	.31592	.91939	.17588
#1	2340.8	2595.6	49793.	4754.2	4172.9
#2	2326.5	2596.8	49479.	4841.1	4161.7
#3	2334.4	2595.6	49636.	4811.2	4159.1

Sample Name: S1 Acquired: 12/5/2018 14:07:30 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00009	.00123	.00117	.00404	.01316	.01899	.77134	.05118
Stddev	.00004	.00016	.00010	.00026	.00040	.00083	.00662	.00104
%RSD	39.504	13.145	8.9163	6.3513	3.0117	4.3838	.85797	2.0256

#1	-.00013	.00108	.00115	.00428	.01325	.01822	.77841	.05236
#2	-.00007	.00140	.00107	.00408	.01273	.01888	.77031	.05040
#3	-.00006	.00121	.00128	.00377	.01351	.01988	.76530	.05078

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01483	.18283	.00185	.03273	.00438	.00138	.00259	.02393
Stddev	.00010	.00089	.00004	.00030	.00056	.00019	.00025	.00023
%RSD	.68635	.48848	1.9148	.92392	12.676	13.519	9.7160	.97673

#1	.01472	.18378	.00181	.03243	.00374	.00149	.00279	.02420
#2	.01493	.18270	.00188	.03273	.00466	.00116	.00266	.02379
#3	.01484	.18201	.00185	.03304	.00474	.00149	.00231	.02381

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02412	.00122	.03802	.00293	.00117	.17097	-.00080	.00835
Stddev	.00012	.00007	.00057	.00021	.00028	.00385	.00011	.00066
%RSD	.48126	5.4737	1.4980	7.0821	23.954	2.2508	14.370	7.9024

#1	.02411	.00116	.03844	.00299	.00146	.17409	-.00067	.00769
#2	.02402	.00120	.03737	.00310	.00115	.17214	-.00085	.00901
#3	.02425	.00129	.03825	.00270	.00090	.16667	-.00088	.00836

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.01089	.00310	.06360	.00116	.02441	.09169	.91430	
Stddev	.00027	.00011	.00047	.00008	.00020	.00189	.00590	
%RSD	2.4870	3.5050	.74164	7.2654	.81030	2.0662	.64507	

#1	.01116	.00322	.06401	.00106	.02442	.09253	.92110	
#2	.01090	.00301	.06372	.00120	.02461	.08952	.91120	
#3	.01061	.00306	.06309	.00121	.02421	.09301	.91059	

Sample Name: S1 Acquired: 12/5/2018 14:07:30 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2319.6	2594.3	49496.	4841.2	4164.2
Stddev	14.8	1.7	108.	39.7	1.2
%RSD	.63687	.06431	.21869	.82084	.02822
#1	2310.2	2593.0	49494.	4811.9	4165.5
#2	2312.0	2593.8	49389.	4825.3	4163.2
#3	2336.6	2596.2	49605.	4886.5	4164.0

Sample Name: S2 Acquired: 12/5/2018 14:11:41 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.05478	.09875	1.0160	.12637	.26510	3.0695	9.4038	1.3847
Stddev	.00045	.00042	.0020	.00023	.00102	.0147	.0104	.0113
%RSD	.81256	.42490	.19265	.18405	.38304	.48048	.11035	.81334

#1	.05451	.09854	1.0142	.12638	.26517	3.0531	9.3918	1.3725
#2	.05455	.09848	1.0157	.12613	.26405	3.0737	9.4097	1.3947
#3	.05530	.09923	1.0181	.12660	.26608	3.0817	9.4099	1.3870

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.7920	2.2370	.65444	.41557	.47933	.44054	.62528	.30361
Stddev	.0051	.0074	.00201	.00084	.00103	.00139	.00340	.00232
%RSD	.28446	.32988	.30675	.20142	.21408	.31475	.54324	.76294

#1	1.7865	2.2318	.65616	.41527	.47874	.43894	.62469	.30110
#2	1.7927	2.2337	.65224	.41491	.48052	.44141	.62221	.30404
#3	1.7966	2.2454	.65492	.41651	.47874	.44127	.62893	.30567

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.39404	.06458	.29637	.03683	.09260	1.1572	.14003	.70035
Stddev	.00086	.00027	.00148	.00009	.00206	.0052	.00029	.00747
%RSD	.21716	.42179	.49924	.24232	2.2207	.44951	.20869	1.0663

#1	.39342	.06486	.29491	.03673	.09497	1.1512	.13992	.69210
#2	.39369	.06432	.29634	.03690	.09157	1.1594	.13981	.70666
#3	.39502	.06455	.29787	.03686	.09126	1.1609	.14036	.70229

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	1.2710	.09822	.77998	.15731	.29117	1.6088	11.614	
Stddev	.0045	.00063	.00655	.00055	.00065	.0078	.028	
%RSD	.35387	.63901	.84029	.34795	.22481	.48609	.24461	

#1	1.2688	.09756	.77256	.15697	.29042	1.5998	11.605	
#2	1.2681	.09829	.78497	.15701	.29165	1.6142	11.591	
#3	1.2762	.09881	.78240	.15794	.29143	1.6124	11.646	

Sample Name: S2 Acquired: 12/5/2018 14:11:41 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2243.3	2482.0	48798.	4802.3	3916.2
Stddev	12.4	2.9	304.	28.5	6.4
%RSD	.55400	.11813	.62368	.59437	.16310
#1	2232.8	2485.2	48508.	4834.9	3923.6
#2	2257.0	2479.4	49115.	4790.3	3912.6
#3	2240.0	2481.4	48773.	4781.7	3912.5

Sample Name: S3 Acquired: 12/5/2018 14:15:37 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S03 Custom ID2: Custom ID3:
 Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.11106	.19777	2.0536	.24941	.53210	6.1634	18.992	2.7468
Stddev	.00035	.00041	.0009	.00042	.00119	.0191	.023	.0298
%RSD	.31155	.20527	.04302	.16947	.22374	.30970	.11991	1.0848

#1	.11144	.19822	2.0538	.24908	.53102	6.1512	19.018	2.7224
#2	.11076	.19742	2.0527	.24928	.53338	6.1536	18.978	2.7379
#3	.11098	.19767	2.0544	.24989	.53190	6.1854	18.979	2.7800

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.5758	4.3554	1.2981	.84016	.95431	.87343	1.2262	.61180
Stddev	.0062	.0078	.0014	.00090	.00251	.00483	.0036	.00300
%RSD	.17243	.17941	.10749	.10766	.26303	.55345	.29221	.48957

#1	3.5691	4.3595	1.2966	.83925	.95721	.87153	1.2301	.60909
#2	3.5773	4.3603	1.2983	.84019	.95287	.86984	1.2255	.61129
#3	3.5811	4.3464	1.2993	.84106	.95285	.87893	1.2230	.61502

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.79661	.13466	.59350	.07338	.18652	2.3326	.26354	1.4165
Stddev	.00095	.00115	.00313	.00006	.00122	.0037	.00055	.0166
%RSD	.11916	.85593	.52713	.07872	.65535	.16081	.20988	1.1728

#1	.79558	.13568	.59176	.07344	.18789	2.3283	.26301	1.4037
#2	.79682	.13490	.59163	.07332	.18556	2.3339	.26351	1.4104
#3	.79744	.13341	.59711	.07339	.18610	2.3354	.26411	1.4353

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	2.5626	.18225	1.4503	.32053	.57673	3.2923	23.426	
Stddev	.0028	.00005	.0131	.00022	.00311	.0043	.079	
%RSD	.11095	.02925	.90035	.06855	.53860	.12932	.33899	

#1	2.5608	.18219	1.4403	.32049	.57647	3.2906	23.514	
#2	2.5612	.18229	1.4455	.32034	.57377	3.2891	23.405	
#3	2.5659	.18226	1.4651	.32077	.57996	3.2971	23.359	

Sample Name: S3 Acquired: 12/5/2018 14:15:37 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2189.5	2391.0	48354.	4786.4	3727.2
Stddev	11.8	2.5	28.	17.7	2.9
%RSD	.54020	.10398	.05764	.36901	.07854
#1	2183.3	2392.7	48361.	4801.6	3729.7
#2	2182.1	2392.2	48323.	4790.7	3727.7
#3	2203.1	2388.2	48378.	4767.1	3724.0

Sample Name: S4 Acquired: 12/5/2018 14:19:28 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.21384	.37115	3.9670	.46447	1.0207	11.751	36.125	5.1685
Stddev	.00068	.00060	.0028	.00044	.0022	.063	.051	.0386
%RSD	.31985	.16181	.07160	.09552	.21259	.53882	.14137	.74770

#1	.21321	.37132	3.9668	.46398	1.0192	11.681	36.079	5.1336
#2	.21376	.37049	3.9699	.46457	1.0198	11.805	36.180	5.2100
#3	.21457	.37165	3.9642	.46484	1.0232	11.766	36.115	5.1618

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.7695	8.3684	2.4057	1.6062	1.7905	1.6080	2.2950	1.1660
Stddev	.0069	.0176	.0040	.0026	.0103	.0161	.0104	.0128
%RSD	.10144	.20979	.16585	.16461	.57328	1.0037	.45235	1.0941

#1	6.7694	8.3481	2.4087	1.6034	1.7824	1.5961	2.2878	1.1554
#2	6.7764	8.3785	2.4012	1.6087	1.8020	1.6264	2.3069	1.1801
#3	6.7626	8.3786	2.4073	1.6064	1.7870	1.6015	2.2903	1.1624

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.5193	.26191	1.1264	.13645	.35195	4.4841	.21413	2.7095
Stddev	.0014	.00056	.0100	.00116	.00259	.0281	.00019	.0239
%RSD	.09283	.21437	.88356	.85327	.73463	.62646	.08805	.88293

#1	1.5191	.26245	1.1150	.13542	.35216	4.4519	.21435	2.6845
#2	1.5207	.26133	1.1328	.13771	.35442	4.5036	.21403	2.7322
#3	1.5179	.26194	1.1315	.13623	.34926	4.4968	.21402	2.7117

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	4.8881	.15530	2.5843	.61391	1.0761	6.3296	44.350	
Stddev	.0047	.00011	.0222	.00090	.0052	.0157	.061	
%RSD	.09595	.06871	.86060	.14710	.48407	.24813	.13694	

#1	4.8830	.15542	2.5614	.61455	1.0704	6.3193	44.319	
#2	4.8889	.15526	2.6058	.61431	1.0807	6.3217	44.420	
#3	4.8923	.15522	2.5856	.61288	1.0771	6.3476	44.310	

Sample Name: S4 Acquired: 12/5/2018 14:19:28 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2113.5	2286.9	47859.	4728.6	3521.5
Stddev	2.6	4.2	178.	34.9	8.6
%RSD	.12378	.18263	.37127	.73853	.24399
#1	2116.5	2289.1	48014.	4768.2	3521.1
#2	2112.0	2282.1	47899.	4702.1	3513.1
#3	2112.0	2289.5	47665.	4715.6	3530.3

Sample Name: S5 Acquired: 12/5/2018 14:23:18 Type: Cal
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
User: BIN Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.45832	.73722	8.1475	.94102	2.1770	24.450	73.794	10.258
Stddev	.00133	.00235	.0194	.00239	.0034	.110	.342	.031
%RSD	.29011	.31847	.23826	.25433	.15820	.44901	.46376	.30121

#1	.45816	.73485	8.1317	.93871	2.1772	24.324	73.535	10.253
#2	.45708	.73727	8.1416	.94086	2.1735	24.526	73.665	10.229
#3	.45973	.73954	8.1691	.94349	2.1804	24.500	74.182	10.291

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	13.635	16.964	4.7695	3.2894	3.6517	3.1936	4.5563	2.3977
Stddev	.037	.059	.0099	.0092	.0180	.0261	.0111	.0143
%RSD	.27313	.34834	.20724	.27968	.49212	.81634	.24308	.59458

#1	13.606	16.896	4.7786	3.2797	3.6333	3.1657	4.5489	2.3813
#2	13.622	17.005	4.7590	3.2904	3.6692	3.2173	4.5690	2.4064
#3	13.677	16.990	4.7709	3.2980	3.6527	3.1978	4.5510	2.4056

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.0820	.54651	2.3076	.27506	.74819	9.3389	.44810	5.4864
Stddev	.0089	.00099	.0094	.00252	.00928	.0210	.00170	.0150
%RSD	.28834	.18185	.40805	.91731	1.2401	.22541	.37941	.27409

#1	3.0734	.54538	2.2995	.27239	.73851	9.3156	.44665	5.4852
#2	3.0815	.54695	2.3179	.27740	.75700	9.3565	.44767	5.4719
#3	3.0912	.54722	2.3055	.27540	.74905	9.3445	.44997	5.5019

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	10.354	.32524	5.1426	1.2588	2.1782	13.291	89.868	
Stddev	.029	.00103	.0169	.0030	.0103	.058	.195	
%RSD	.27617	.31692	.32835	.23849	.47278	.43625	.21726	

#1	10.337	.32420	5.1358	1.2565	2.1665	13.225	90.075	
#2	10.338	.32527	5.1302	1.2577	2.1860	13.319	89.687	
#3	10.387	.32626	5.1618	1.2622	2.1820	13.330	89.841	

Sample Name: S5 Acquired: 12/5/2018 14:23:18 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S05 Custom ID2: Custom ID3:
 Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1935.4	2037.7	45990.	4589.1	3204.4
Stddev	16.4	.2	323.	11.9	3.9
%RSD	.84734	.01071	.70172	.25950	.12222
#1	1952.5	2038.0	46035.	4596.2	3208.8
#2	1919.8	2037.6	45648.	4575.4	3203.2
#3	1934.1	2037.6	46288.	4595.8	3201.2

Sample Name: S6 Acquired: 12/5/2018 14:27:26 Type: Cal
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: IR Corr. Factor: 1.000000
 User: BIN Custom ID1: S06 Custom ID2: Custom ID3:
 Comment:

Elem	Al3961	Ca3736	Fe2598	Mg2790	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	65.213	27.243	8.5079	3.8938	6.3828
Stddev	.191	.085	.0307	.0174	.0263
%RSD	.29238	.31075	.36117	.44702	.41137

#1	65.417	27.316	8.5381	3.9058	6.4126
#2	65.040	27.262	8.4767	3.8738	6.3630
#3	65.182	27.150	8.5090	3.9019	6.3727

Int. Std.	Y_3710
Units	Cts/S
Avg	4574.5
Stddev	35.5
%RSD	.77543

#1	4533.8
#2	4590.5
#3	4599.1

Sample Name: ICV Acquired: 12/5/2018 14:31:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9756310	1.038417	.9300684	1.007176	.9572313	2.271977
Stddev	.0057624	.004526	.0016906	.003804	.0010430	.006450
%RSD	.5906339	.4358432	.1817693	.3776617	.1089628	.2838721

#1	.9822216	1.034437	.9310863	1.011122	.9560766	2.267089
#2	.9715431	1.037474	.9310019	1.003533	.9575120	2.269554
#3	.9731282	1.043340	.9281168	1.006871	.9581052	2.279287

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4994786	.4830398	.4973052	10.12929	.5313176	.4872543
Stddev	.0006344	.0044760	.0006461	.04257	.0010635	.0006790
%RSD	.1270171	.9266344	.1299269	.4202590	.2001674	.1393578

#1	.4987971	.4831178	.4977802	10.16302	.5325231	.4871112
#2	.4995866	.4874764	.4965694	10.08146	.5309175	.4866582
#3	.5000521	.4785254	.4975659	10.14339	.5305121	.4879935

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5221454	5.320164	.5076046	5.614566	.5000767	F .4377611
Stddev	.0071611	.048529	.0016520	.086642	.0009440	.0028193
%RSD	1.371471	.9121786	.3254426	1.543171	.1887815	.6440233

#1	.5148632	5.334100	.5065318	5.548862	.4989936	.4345526
#2	.5291788	5.360200	.5067752	5.712756	.5005110	.4388886
#3	.5223941	5.266191	.5095070	5.582078	.5007253	.4398421

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.810392	.5071042	.9656783	9.478520	F -.000145	F .0149887
Stddev	.183137	.0045391	.0136644	.124547	.000698	.0004174
%RSD	1.866764	.8951079	1.415009	1.313994	480.1831	2.784968

#1	9.873419	.5098298	.9758591	9.426506	-.000270	.0150276
#2	9.604065	.5018643	.9501485	9.620643	-.000773	.0153853
#3	9.953692	.5096185	.9710272	9.388412	.000607	.0145532

Sample Name: ICV Acquired: 12/5/2018 14:31:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.000035	F .0003232	F .0045478	F -.001240	F -.001158	F .0143032
Stddev	.000191	.0011907	.0004817	.000829	.001945	.0003583
%RSD	541.3977	368.4681	10.59206	66.88069	167.9576	2.504780

#1	.000174	-.000568	.0050202	-.001898	.001020	.0139284
#2	-.000201	.001675	.0040573	-.000308	-.002724	.0143389
#3	-.000079	-.000138	.0045657	-.001514	-.001770	.0146423

Elem	Sr4077
Units	ppm
Avg	F .0110188
Stddev	.0001326
%RSD	1.203405

#1	.0108973
#2	.0111602
#3	.0109987

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2338.092	2593.208	49730.93	4927.660	4166.816
Stddev	8.191	6.411	238.90	55.637	6.404
%RSD	.3503476	.2472143	.4803872	1.129069	.1537015

#1	2346.144	2585.866	49493.42	4931.557	4159.815
#2	2329.768	2596.055	49728.18	4870.178	4172.380
#3	2338.363	2597.702	49971.19	4981.246	4168.253

Sample Name: ICB Acquired: 12/5/2018 14:35:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICB Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008137	-.000911	-.000043	-.000955	-.001527	-.002402	.0002873
Stddev	.0009981	.000950	.001269	.001089	.000537	.009247	.0001697
%RSD	122.6632	104.2533	2976.604	114.0367	35.18149	384.9002	59.05633

#1	.0013432	-.000887	.000030	-.001345	-.002048	.002030	.0000940
#2	.0014354	.000026	.001188	-.001796	-.001559	.003794	.0004115
#3	-.000338	-.001873	-.001346	.000275	-.000975	-.013031	.0003565

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000165	-.000093	-.020821	.0000489	.0003394	.0025815	.0024982
Stddev	.0000381	.000014	.017362	.0002120	.0002521	.0036101	.0191186
%RSD	230.5566	14.67425	83.38581	433.7304	74.25917	139.8465	765.3034

#1	.0000598	-.000109	-.016518	.0001188	.0005451	-.001496	-.011993
#2	.0000015	-.000085	-.006016	.0002171	.0004149	.005372	-.004680
#3	-.000012	-.000085	-.039930	-.000189	.0000583	.003868	.024167

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001681	.0449303	.0000759	-.000211	.1873194	.0027826	.0069898
Stddev	.0008023	.0105005	.0003459	.000212	.1255318	.0056932	.0114346
%RSD	477.2302	23.37063	455.9599	100.4872	67.01482	204.5966	163.5899

#1	.0001154	.0496675	.0003550	-.000063	.0693922	-.000054	.0160477
#2	-.000607	.0328958	.0001837	-.000454	.3192769	-.000935	-.005859
#3	.000996	.0522277	-.000311	-.000116	.1732893	.009337	.010780

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0613567	-.000024	.0065659	.0002269	-.002664	-.000424	-.000809
Stddev	.0109295	.001281	.0002963	.0000952	.003201	.000869	.000337
%RSD	17.81312	5319.342	4.512327	41.93758	120.1683	204.7805	41.67650

#1	.0645237	.001454	.0069073	.0003067	-.006272	.000576	-.001181
#2	.0703530	-.000724	.0063763	.0001216	-.000169	-.000986	-.000723
#3	.0491934	-.000802	.0064141	.0002526	-.001550	-.000863	-.000523

Sample Name: ICB Acquired: 12/5/2018 14:35:33 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: ICB Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0009996	.0098507	-.000250
Stddev	.0025858	.0002850	.000100
%RSD	258.6891	2.893379	39.84836

#1	-.001980	.0095597	-.000203
#2	.002659	.0101294	-.000183
#3	.002320	.0098630	-.000365

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2311.195	2571.063	49033.20	4820.740	4095.753
Stddev	6.467	1.772	111.24	14.565	3.983
%RSD	.2797923	.0689287	.2268768	.3021398	.0972458

#1	2314.899	2571.426	49153.29	4804.550	4093.699
#2	2314.958	2569.137	48933.67	4832.780	4093.217
#3	2303.728	2572.625	49012.63	4824.890	4100.344

Sample Name: ICSA Acquired: 12/5/2018 14:43:50 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSA Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003513	.0034760	.0023494	-.021855	.0028051	233.5231
Stddev	.004761	.0023793	.0010935	.000763	.0029231	.8950
%RSD	135.5420	68.45126	46.54526	3.492860	104.2056	.3832463

#1	-.008950	.0042523	.0035151	-.021996	.0026242	233.7393
#2	-.000089	.0008054	.0013462	-.022538	.0058144	232.5398
#3	-.001499	.0053701	.0021868	-.021031	-.000023	234.2901

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051272	.0007976	.0004665	244.1268	.0597249	.0025603
Stddev	.0004930	.0000401	.0001149	1.2596	.0002961	.0005896
%RSD	9.614679	5.032632	24.63973	.5159569	.4957337	23.02798

#1	.0045589	.0007513	.0005605	243.6412	.0593974	.0030704
#2	.0054400	.0008188	.0005005	243.1822	.0598036	.0019148
#3	.0053826	.0008227	.0003384	245.5569	.0599737	.0026956

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018630	101.9747	.0112061	245.7210	-.000216	F -.010045
Stddev	.0023895	.2234	.0008424	.6495	.000329	.000122
%RSD	128.2630	.2190583	7.517193	.2643275	152.1281	1.215574

#1	.0028124	102.2295	.0103824	246.4246	.000155	-.010114
#2	.0036319	101.8821	.0120660	245.1444	-.000333	-.010117
#3	-.000855	101.8125	.0111700	245.5940	-.000472	-.009904

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.162199	-.000070	.0238707	-.055018	.0087142	F .0366028
Stddev	.414250	.005149	.0063587	.049019	.0036115	.0003701
%RSD	255.3963	7319.100	26.63792	89.09709	41.44360	1.011241

#1	-.181246	-.001304	.0287119	-.101198	.0120584	.0367432
#2	-.566596	-.004491	.0166694	-.060271	.0091996	.0361830
#3	.261246	.005584	.0262308	-.003583	.0048846	.0368822

Sample Name: ICSA Acquired: 12/5/2018 14:43:50 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSA Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011687	.0030458	-.000966	-.004480	-.000957	.0159308
Stddev	.0003826	.0023159	.000806	.001566	.000712	.0018488
%RSD	32.74102	76.03793	83.39762	34.96389	74.39630	11.60504

#1	.0012526	.0046306	-.000731	-.006129	-.001346	.0137977
#2	.0015024	.0003879	-.000304	-.004299	-.001389	.0169231
#3	.0007510	.0041188	-.001863	-.003012	-.000135	.0170715

Elem	Sr4077
Units	ppm
Avg	.0984259
Stddev	.0000803
%RSD	.0816294

#1	.0983495
#2	.0984185
#3	.0985097

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2173.686	2410.677	47551.27	4762.919	3657.409
Stddev	14.037	4.171	178.38	15.560	1.340
%RSD	.6457729	.1730383	.3751325	.3266862	.0366507

#1	2157.479	2409.501	47449.67	4745.100	3657.805
#2	2181.587	2415.310	47446.91	4769.839	3655.916
#3	2181.993	2407.219	47757.24	4773.819	3658.508

Sample Name: ICSAB Acquired: 12/5/2018 14:47:56 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1016429	.1104122	.0488057	.0286040	.5867406	233.1175
Stddev	.0018887	.0023983	.0005732	.0043293	.0017028	1.5015
%RSD	1.858211	2.172099	1.174405	15.13518	.2902097	.6441054

#1	.1015206	.1105680	.0490468	.0296253	.5881637	231.5169
#2	.0998182	.1079399	.0492189	.0323312	.5848541	233.3407
#3	.1035897	.1127289	.0481513	.0238554	.5872040	234.4949

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5058184	.4945540	.9926269	242.3055	.5817284	.4949818
Stddev	.0015696	.0018208	.0026094	1.0929	.0011870	.0006043
%RSD	.3103026	.3681684	.2628795	.4510322	.2040396	.1220898

#1	.5046329	.4928779	.9907661	241.4285	.5830560	.4943304
#2	.5075984	.4964913	.9915050	243.5298	.5813594	.4950907
#3	.5052239	.4942928	.9956097	241.9581	.5807697	.4955243

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5092168	102.7106	.5081609	247.4809	.9853551	.1865400
Stddev	.0065775	1.4462	.0017290	2.4326	.0029758	.0003153
%RSD	1.291691	1.408038	.3402548	.9829426	.3020069	.1690398

#1	.5092117	101.2427	.5100503	245.3425	.9854642	.1863736
#2	.5026418	102.7551	.5077751	246.9729	.9823262	.1863428
#3	.5157969	104.1341	.5066574	250.1274	.9882749	.1869037

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.033913	.5042960	.9878010	-.229865	.0065984	F .0356744
Stddev	.259253	.0163005	.0220560	.040138	.0032292	.0043621
%RSD	764.4615	3.232318	2.232843	17.46134	48.93977	12.22758

#1	.249258	.4869438	.9752994	-.221893	.0055196	.0316873
#2	-.091399	.5066568	1.013268	-.194312	.0040466	.0350023
#3	-.259598	.5192872	.974836	-.273391	.0102289	.0403335

Sample Name: ICSAB Acquired: 12/5/2018 14:47:56 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009553	.0040538	-.000464	-.004153	-.003857	.0121336
Stddev	.0004292	.0029810	.001440	.000404	.000642	.0004713
%RSD	44.92554	73.53704	310.1447	9.730496	16.65836	3.883960

#1	.0007378	.0037303	-.000777	-.004616	-.004477	.0117459
#2	.0006785	.0071834	.001106	-.003876	-.003898	.0126582
#3	.0014498	.0012477	-.001722	-.003966	-.003194	.0119968

Elem	Sr4077
Units	ppm
Avg	.0971354
Stddev	.0005865
%RSD	.6037947

#1	.0970632
#2	.0977546
#3	.0965883

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2207.401	2419.578	48051.00	4780.939	3693.164
Stddev	7.136	4.358	74.51	18.994	6.196
%RSD	.3232845	.1801090	.1550719	.3972757	.1677711

#1	2202.246	2417.674	48057.14	4792.010	3693.879
#2	2215.546	2424.564	48122.25	4759.008	3698.971
#3	2204.412	2416.497	47973.60	4791.800	3686.641

Sample Name: CCV032 Acquired: 12/5/2018 14:51:56 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV032 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.789941	4.759659	24.09917	4.584494	4.734697	408.0127
Stddev	.003572	.011596	.04345	.002432	.006045	2.1275
%RSD	.0745719	.2436347	.1802789	.0530561	.1276674	.5214241

#1	4.794019	4.769397	24.08136	4.581687	4.728553	410.0100
#2	4.788435	4.746831	24.06745	4.585829	4.740637	408.2527
#3	4.787368	4.762750	24.14869	4.585967	4.734900	405.7754

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.760780	.4902561	2.426634	392.9786	14.93470	2.466918
Stddev	.037403	.0059608	.002116	1.7557	.01817	.004124
%RSD	.3831981	1.215861	.0871886	.4467716	.1216368	.1671618

#1	9.774154	.4939983	2.425840	393.1532	14.94994	2.463358
#2	9.789658	.4933879	2.425030	394.6405	14.91459	2.465959
#3	9.718528	.4833822	2.429032	391.1421	14.93956	2.471437

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.73687	416.5511	14.48394	408.1600	2.434738	1.204230
Stddev	.09672	2.0816	.05317	2.9623	.003083	.008262
%RSD	.6562807	.4997338	.3671212	.7257638	.1266190	.6861199

#1	14.80948	418.9548	14.45922	411.5509	2.431676	1.195017
#2	14.77405	415.3581	14.54497	406.8540	2.434698	1.210984
#3	14.62709	415.3405	14.44761	406.0752	2.437841	1.206688

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	403.4733	2.452208	14.64130	149.1903	F 4.078984	5.026640
Stddev	2.6085	.019118	.17655	.9771	.007075	.042437
%RSD	.6465165	.7796138	1.205839	.6549262	.1734536	.8442458

#1	406.2069	2.472065	14.56841	149.9190	4.081554	5.065500
#2	403.2020	2.450632	14.51286	149.5718	4.070983	5.033062
#3	401.0110	2.433927	14.84262	148.0800	4.084415	4.981358

Sample Name: CCV032 Acquired: 12/5/2018 14:51:56 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV032 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.709103	F 4.088608	4.907575	4.870733	4.883718	5.119654
Stddev	.004846	.008080	.050145	.013691	.032312	.022091
%RSD	.1029080	.1976118	1.021793	.2810801	.6616226	.4314941

#1	4.710289	4.082748	4.936892	4.869032	4.918282	5.125395
#2	4.713246	4.085251	4.936158	4.857972	4.878604	5.138307
#3	4.703774	4.097825	4.849673	4.885194	4.854268	5.095259

Elem	Sr4077
Units	ppm
Avg	4.878082
Stddev	.012349
%RSD	.2531509

#1	4.876226
#2	4.891254
#3	4.866767

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2054.747	2186.781	46917.69	4657.914	3297.407
Stddev	4.718	1.595	356.96	44.496	4.083
%RSD	.2296170	.0729415	.7608296	.9552873	.1238112

#1	2051.973	2187.993	46627.32	4627.810	3301.082
#2	2060.194	2184.974	47316.23	4636.907	3298.126
#3	2052.073	2187.375	46809.51	4709.025	3293.013

Sample Name: CCB032 Acquired: 12/5/2018 14:55:42 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB032 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002337	.0003333	.0007302	-.000051	-.000946	-.021587
Stddev	.001225	.0008988	.0009423	.001206	.000668	.008601
%RSD	52.42321	269.6730	129.0528	2372.872	70.62348	39.84550

#1	-.001088	-.000268	.0018070	.001340	-.001602	-.025848
#2	-.002388	-.000098	.0000566	-.000675	-.000967	-.011687
#3	-.003537	.001366	.0003269	-.000817	-.000267	-.027226

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000059	-.000003	-.000056	.0087137	.0000972	.0000363
Stddev	.000505	.000023	.000046	.0080648	.0003637	.0002600
%RSD	855.2397	902.3991	81.73907	92.55308	374.3213	716.2499

#1	.000147	.000024	-.000045	.0007703	.0003252	-.000264
#2	-.000634	-.000011	-.000106	.0168946	.0002885	.000196
#3	.000310	-.000021	-.000017	.0084762	-.000322	.000177

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019872	-.017909	-.000053	.0015145	.0001239	-.000028
Stddev	.0005736	.014950	.001520	.0801961	.0001949	.000197
%RSD	28.86576	83.47602	2862.618	5295.197	157.2910	711.2448

#1	.0017553	-.013872	-.000954	.0583425	.0000023	-.000008
#2	.0026404	-.034463	.001702	-.090219	.0003487	-.000233
#3	.0015658	-.005393	-.000907	.036420	.0000207	.000159

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1415353	.0063775	.0063820	.0509410	-.001003	F .0110224
Stddev	.2950601	.0067659	.0055493	.0162479	.000314	.0009347
%RSD	208.4711	106.0908	86.95259	31.89544	31.26800	8.480253

#1	.0809533	.0060367	.0096221	.0343943	-.000697	.0119874
#2	.4621843	.0133073	.0095496	.0515561	-.001324	.0109584
#3	-.118532	-.000212	-.000026	.0668725	-.000988	.0101213

Sample Name: CCB032 Acquired: 12/5/2018 14:55:42 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB032 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000880	-.001579	.0002835	-.001602	.0013928	.0081931
Stddev	.0000232	.001372	.0016975	.000440	.0026551	.0004463
%RSD	26.37541	86.89397	598.7011	27.44268	190.6342	5.447139

#1	.0001133	-.002875	.0008984	-.002031	-.001669	.0086418
#2	.0000677	-.001719	-.001636	-.001153	.003059	.0077493
#3	.0000830	-.000142	.001588	-.001622	.002788	.0081882

Elem	Sr4077
Units	ppm
Avg	-.000262
Stddev	.000037
%RSD	14.19171

#1	-.000248
#2	-.000304
#3	-.000234

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2313.716	2595.724	49221.90	4898.807	4130.722
Stddev	16.032	3.233	291.28	41.299	5.030
%RSD	.6929145	.1245395	.5917633	.8430433	.1217612

#1	2295.207	2598.772	48907.64	4945.530	4128.822
#2	2322.669	2596.067	49275.26	4867.180	4136.425
#3	2323.272	2592.334	49482.82	4883.710	4126.919

Sample Name: PB115320BL Acquired: 12/5/2018 14:59:51 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: PBS320 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002044	.0003016	.0004114	-.001349	-.000066	-.024724	-.000075
Stddev	.004242	.0009997	.0008050	.000922	.000494	.012909	.000450
%RSD	207.5251	331.4332	195.6758	68.30111	742.6676	52.21437	597.0801

#1	-.006866	-.000120	-.000267	-.002398	.000437	-.024444	.000380
#2	.001111	-.000418	.001301	-.000669	-.000549	-.037771	-.000519
#3	-.000377	.001443	.000200	-.000981	-.000087	-.011957	-.000087

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000264	-.000053	.0010293	.0002039	.0001053	.0025817	-.014114
Stddev	.0000453	.000094	.0109012	.0003713	.0002569	.0036704	.023114
%RSD	171.7287	178.6691	1059.109	182.1070	243.9767	142.1704	163.7643

#1	-.000020	-.000005	.0135017	-.000178	.0002159	.0060354	-.040523
#2	.000071	.000008	-.006679	.000563	-.000188	.0029821	-.004257
#3	.000028	-.000161	-.003735	.000227	.000288	-.001272	.002437

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004347	.0727649	-.000061	.0002600	.3193873	.0017944	-.000207
Stddev	.0020288	.0165526	.000250	.0001594	.1268397	.0038439	.007369
%RSD	466.7391	22.74799	409.2650	61.31416	39.71345	214.2112	3566.158

#1	-.001784	.0851022	-.000322	.0004190	.3673295	.0057592	.005737
#2	.002196	.0539539	-.000039	.0002607	.1755643	-.001916	.002095
#3	.000892	.0792387	.000178	.0001002	.4152680	.001540	-.008451

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.035964	.0006389	.0034469	-.000254	-.005262	.0018150	-.001268
Stddev	.034109	.0004917	.0003977	.000112	.003232	.0008448	.000593
%RSD	94.84160	76.95232	11.53873	43.97720	61.41083	46.54431	46.77983

#1	-.004555	.0005399	.0038303	-.000353	-.004366	.0026605	-.001766
#2	-.072249	.0002043	.0034741	-.000133	-.008847	.0009710	-.001427
#3	-.031090	.0011725	.0030363	-.000277	-.002574	.0018135	-.000612

Sample Name: PB115320BL Acquired: 12/5/2018 14:59:51 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: PBS320 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0024568	.0037178	-.000284
Stddev	.0028074	.0010665	.000015
%RSD	114.2711	28.68690	5.111398

#1	.0020920	.0030664	-.000290
#2	.0054287	.0049486	-.000268
#3	-.000150	.0031384	-.000295

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2297.754	2578.162	49054.36	4837.133	4116.964
Stddev	19.617	7.578	273.91	15.927	10.753
%RSD	.8537313	.2939361	.5583772	.3292684	.2611854

#1	2308.834	2576.589	49165.03	4853.470	4117.846
#2	2275.105	2571.494	48742.44	4821.650	4105.797
#3	2309.325	2586.404	49255.63	4836.280	4127.248

Sample Name: PB115320BS Acquired: 12/5/2018 15:04:01 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: LCS320 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0187550	.0527286	.0191374	.0723107	.1237143	.3770056
Stddev	.0042006	.0016487	.0015954	.0040905	.0005593	.0091029
%RSD	22.39717	3.126798	8.336480	5.656842	.4520760	2.414531

#1	.0232287	.0520721	.0174611	.0685575	.1243509	.3846285
#2	.0148950	.0546044	.0206372	.0766707	.1233022	.3669266
#3	.0181414	.0515092	.0193138	.0717038	.1234897	.3794616

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4120139	.0102602	.0104276	10.43232	.0230541	.0987695
Stddev	.0009770	.0001033	.0001020	.01329	.0004785	.0003183
%RSD	.2371304	1.006924	.9784463	.1274330	2.075666	.3223032

#1	.4127370	.0103600	.0103612	10.44544	.0235942	.0984082
#2	.4124022	.0102668	.0105451	10.43266	.0228851	.0990088
#3	.4109024	.0101537	.0103765	10.41886	.0226830	.0988915

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0548900	.2201130	.0336939	9.965063	.0836890	.0201275
Stddev	.0043552	.0301528	.0009348	.155632	.0003445	.0004745
%RSD	7.934311	13.69878	2.774340	1.561774	.4116558	2.357306

#1	.0575830	.2118720	.0326473	10.09291	.0833157	.0199968
#2	.0572217	.2535295	.0339888	10.01052	.0839946	.0197320
#3	.0498655	.1949375	.0344457	9.79176	.0837567	.0206535

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.11292	.1065939	.1272886	9.637602	.0160574	.0219106
Stddev	.25157	.0014375	.0089841	.037933	.0017217	.0006373
%RSD	2.487593	1.348588	7.058043	.3935979	10.72214	2.908498

#1	10.05402	.1070652	.1216402	9.598947	.0150218	.0219785
#2	10.38871	.1049799	.1376484	9.674770	.0151055	.0212421
#3	9.89603	.1077366	.1225772	9.639088	.0180448	.0225112

Sample Name: PB115320BS Acquired: 12/5/2018 15:04:01 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: LCS320 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197886	F .1337554	.2032898	.0107396	.2123284	.1003283
Stddev	.0003197	.0041235	.0020505	.0003661	.0023462	.0009551
%RSD	1.615735	3.082834	1.008639	3.408909	1.104974	.9519326

#1	.0198341	.1374239	.2014098	.0110591	.2120987	.1014107
#2	.0200832	.1345497	.2054762	.0108195	.2101055	.0996041
#3	.0194486	.1292925	.2029834	.0103401	.2147809	.0999701

Elem	Sr4077
Units	ppm
Avg	.2022472
Stddev	.0002450
%RSD	.1211126

#1	.2022880
#2	.2019844
#3	.2024691

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2317.523	2592.217	49601.48	4936.317	4165.755
Stddev	4.727	2.930	147.79	13.435	9.057
%RSD	.2039684	.1130140	.2979621	.2721719	.2174057

#1	2313.025	2592.993	49522.37	4920.990	4161.938
#2	2322.450	2594.681	49771.99	4946.060	4176.095
#3	2317.095	2588.978	49510.09	4941.900	4159.231

Sample Name: PB115351BL Acquired: 12/5/2018 15:08:09 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: PBS351 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014796	.0003461	-.000077	-.001918	-.001786	-.013307	-.000063
Stddev	.0042951	.0006539	.001153	.001215	.000063	.007315	.001390
%RSD	290.2910	188.9360	1487.861	63.35357	3.507583	54.97182	2208.433

#1	-.003253	-.000358	-.001258	-.001956	-.001857	-.011971	.000567
#2	.002563	.000462	-.000018	-.003114	-.001737	-.021197	.000900
#3	.005130	.000934	.001044	-.000684	-.001763	-.006752	-.001656

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000011	-.000102	-.009342	.0003036	.0000699	.0050120	-.010190
Stddev	.000053	.000029	.010559	.0002551	.0001109	.0038374	.012814
%RSD	498.8434	28.34042	113.0323	84.01573	158.7747	76.56412	125.7515

#1	-.000063	-.000094	.001607	.0005810	.0000736	.0016059	.003028
#2	-.000012	-.000079	-.010170	.0002507	-.000043	.0042606	-.011040
#3	.000043	-.000135	-.019462	.0000791	.000179	.0091695	-.022557

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002717	-.010313	.0001370	-.000034	.0790043	.0031085	-.007921
Stddev	.0003493	.040423	.0001458	.000269	.3318929	.0026367	.017226
%RSD	128.5531	391.9653	106.4150	782.5807	420.0944	84.82070	217.4720

#1	.0002343	-.029408	.0002157	-.000143	.0721630	.0060001	.000986
#2	-.000057	.036121	.0002267	-.000232	.4142650	.0024882	.003028
#3	.000638	-.037652	-.000031	.000272	-.249415	.0008373	-.027777

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.023797	-.001448	-.000288	-.000187	-.004204	-.000463	-.003002
Stddev	.026601	.000400	.000570	.000213	.001992	.000736	.000400
%RSD	111.7830	27.65989	198.1310	113.7192	47.37703	158.9894	13.32675

#1	-.029719	-.001822	.000175	-.000248	-.002952	-.001265	-.003450
#2	.005266	-.001495	-.000924	.000049	-.003159	-.000304	-.002876
#3	-.046937	-.001025	-.000113	-.000362	-.006501	.000181	-.002681

Sample Name: PB115351BL Acquired: 12/5/2018 15:08:09 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: PBS351 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0020786	.0024450	-.000258
Stddev	.0027140	.0012742	.000106
%RSD	130.5702	52.11434	41.09646

#1	.0019421	.0020419	-.000327
#2	.0048584	.0014211	-.000136
#3	-.000565	.0038721	-.000312

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2308.232	2597.827	49323.99	4904.560	4139.035
Stddev	16.961	6.250	240.52	42.577	8.600
%RSD	.7348108	.2406015	.4876332	.8681124	.2077668

#1	2323.948	2605.045	49587.39	4885.330	4148.909
#2	2310.495	2594.204	49116.03	4953.360	4135.015
#3	2290.253	2594.234	49268.54	4874.990	4133.183

Sample Name: PB115351BS Acquired: 12/5/2018 15:12:19 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: LCS351 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197259	.0519137	.0185046	.0753556	.1278021	.3800328
Stddev	.0054538	.0008036	.0006392	.0030770	.0026225	.0162857
%RSD	27.64812	1.548027	3.454091	4.083296	2.051989	4.285334

#1	.0199332	.0528407	.0192162	.0724348	.1303128	.3984923
#2	.0141715	.0514873	.0183184	.0785680	.1280128	.3676952
#3	.0250733	.0514132	.0179792	.0750640	.1250806	.3739108

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4132989	.0104543	.0104167	10.50336	.0236865	.1000488
Stddev	.0029440	.0000083	.0000964	.04436	.0008539	.0002510
%RSD	.7123218	.0790970	.9253053	.4223842	3.605192	.2508560

#1	.4142406	.0104629	.0103082	10.45924	.0241353	.1001446
#2	.4099993	.0104464	.0104496	10.50288	.0242226	.0997640
#3	.4156569	.0104537	.0104923	10.54796	.0227018	.1002377

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0536273	.2333780	.0341690	9.962897	.0839960	.0207128
Stddev	.0028520	.0190583	.0023150	.161951	.0001030	.0001383
%RSD	5.318202	8.166270	6.775195	1.625538	.1225715	.6679172

#1	.0566317	.2140592	.0315492	9.779575	.0839054	.0208614
#2	.0509571	.2521646	.0350187	10.08654	.0839746	.0206892
#3	.0532932	.2339103	.0359391	10.02258	.0841080	.0205877

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.19122	.1089196	.1200849	9.755042	.0141423	.0208814
Stddev	.20180	.0052134	.0084424	.075396	.0010121	.0009643
%RSD	1.980141	4.786516	7.030368	.7728923	7.156531	4.618247

#1	10.24537	.1098308	.1239908	9.783836	.0130986	.0219518
#2	9.96788	.1136174	.1258670	9.669492	.0142088	.0206120
#3	10.36043	.1033106	.1103968	9.811798	.0151196	.0200804

Sample Name: PB115351BS Acquired: 12/5/2018 15:12:19 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: LCS351 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201956	F .1374445	.2090159	.0112389	.2134864	.0995554
Stddev	.0001555	.0026877	.0011973	.0005682	.0021145	.0020606
%RSD	.7701344	1.955476	.5728321	5.055690	.9904421	2.069778

#1	.0201329	.1368621	.2096777	.0105836	.2134089	.0981841
#2	.0203728	.1403757	.2097362	.0115381	.2156386	.0985571
#3	.0200813	.1350958	.2076338	.0115950	.2114118	.1019250

Elem	Sr4077
Units	ppm
Avg	.2035044
Stddev	.0007391
%RSD	.3631885

#1	.2029048
#2	.2032783
#3	.2043301

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2298.411	2552.243	49303.59	4881.560	4128.806
Stddev	15.891	1.589	61.95	17.998	5.885
%RSD	.6913701	.0622741	.1256596	.3686921	.1425297

#1	2303.621	2552.651	49363.03	4898.000	4134.476
#2	2280.570	2553.589	49239.39	4862.330	4122.728
#3	2311.043	2550.490	49308.35	4884.350	4129.215

Sample Name: J6178-06 Acquired: 12/5/2018 15:16:29 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0680501	.0097609	.4985507	-.026242	.0031888	95.23391	1.254476
Stddev	.0046973	.0023143	.0020472	.000914	.0008352	.18668	.002746
%RSD	6.902752	23.70946	.4106343	3.482539	26.19273	.1960245	.2188905

#1	.0711515	.0123923	.4992263	-.027279	.0041391	95.28879	1.257647
#2	.0703531	.0088484	.5001747	-.025895	.0025715	95.38699	1.252919
#3	.0626457	.0080420	.4962511	-.025553	.0028557	95.02593	1.252863

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090266	.0009691	17.13568	.1801437	.7524895	.1249065	194.6169
Stddev	.0000851	.0001428	.04077	.0007529	.0012996	.0050331	.7132
%RSD	.9428256	14.73560	.2379251	.4179566	.1727023	4.029521	.3664611

#1	.0090889	.0009366	17.11684	.1800644	.7510162	.1280302	194.6193
#2	.0090613	.0008454	17.18246	.1794335	.7529795	.1275890	195.3289
#3	.0089296	.0011254	17.10773	.1809331	.7534728	.1191003	193.9025

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.18068	11.98573	.6399088	-.015684	-.098058	.3180432	.2672766
Stddev	.02880	.09644	.0017350	.000419	.255283	.0096664	.0120139
%RSD	.2828440	.8045950	.2711396	2.668718	260.3397	3.039331	4.494921

#1	10.21020	12.07444	.6380170	-.015282	.152865	.3214855	.2728305
#2	10.15267	11.88308	.6414259	-.016117	-.357488	.3255172	.2755087
#3	10.17918	11.99967	.6402834	-.015654	-.089550	.3071268	.2534906

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.960974	1.668234	.1027334	.0070991	.7185575	1.686145	.0028547
Stddev	.048634	.004269	.0035768	.0001481	.0044754	.008067	.0005749
%RSD	.9803222	.2558779	3.481623	2.086666	.6228358	.4784063	20.13708

#1	5.016251	1.663610	.1039453	.0072489	.7141562	1.692945	.0030747
#2	4.924760	1.672025	.1055468	.0070957	.7184128	1.688258	.0032870
#3	4.941912	1.669065	.0987081	.0069527	.7231035	1.677232	.0022023

Sample Name: J6178-06 Acquired: 12/5/2018 15:16:29 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADK6 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4976565	.0433706	.0437715
Stddev	.0041947	.0012748	.0002043
%RSD	.8428882	2.939258	.4667907

#1	.4928131	.0447706	.0437251
#2	.5000439	.0430644	.0435944
#3	.5001125	.0422769	.0439950

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2548.448	2826.338	55105.31	5475.416	4082.713
Stddev	13.757	.632	164.01	14.224	6.951
%RSD	.5398094	.0223480	.2976314	.2597872	.1702603

#1	2564.009	2825.963	55287.17	5460.920	4084.597
#2	2537.904	2827.068	55060.16	5475.974	4075.015
#3	2543.432	2825.985	54968.61	5489.353	4088.529

Sample Name: J6178-07 Acquired: 12/5/2018 15:20:32 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK6D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0669611	.0090772	.5009580	-.026573	.0019927	96.27736	1.267179
Stddev	.0035471	.0006557	.0027604	.002025	.0004508	.30208	.003077
%RSD	5.297218	7.223369	.5510286	7.619554	22.62153	.3137608	.2428259

#1	.0629529	.0095178	.5016791	-.028114	.0021577	96.25745	1.270027
#2	.0696949	.0083237	.5032864	-.027326	.0023378	96.58890	1.267594
#3	.0682356	.0093901	.4979087	-.024280	.0014827	95.98572	1.263915

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090498	.0010755	17.26437	.1824729	.7615085	.1246799	196.0988
Stddev	.0000363	.0000752	.01869	.0006907	.0011244	.0025479	1.2454
%RSD	.4014376	6.994314	.1082851	.3785310	.1476504	2.043526	.6350659

#1	.0090354	.0009938	17.28220	.1816756	.7619269	.1265934	195.5998
#2	.0090230	.0011418	17.26599	.1828526	.7602349	.1256586	197.5163
#3	.0090912	.0010910	17.24492	.1828904	.7623637	.1217878	195.1804

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.25873	12.07902	.6527026	-.015933	.0328087	.3229780	.2807082
Stddev	.06062	.13578	.0018634	.000350	.0692313	.0046807	.0150995
%RSD	.5909214	1.124086	.2854846	2.194918	211.0152	1.449231	5.379088

#1	10.20502	11.98914	.6527814	-.015728	-.038750	.3278433	.2838778
#2	10.24671	12.23522	.6508011	-.015735	.099450	.3225838	.2642755
#3	10.32446	12.01272	.6545253	-.016337	.037726	.3185068	.2939714

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.027248	1.688909	.1035120	.0070153	.7346243	1.707948	.0019764
Stddev	.041713	.000588	.0062613	.0001137	.0024503	.009436	.0009373
%RSD	.8297423	.0347889	6.048862	1.620332	.3335501	.5524967	47.42237

#1	5.070156	1.689586	.1032720	.0070181	.7374510	1.697149	.0020731
#2	4.986842	1.688539	.1098898	.0071275	.7331041	1.712088	.0028616
#3	5.024747	1.688601	.0973741	.0069003	.7333179	1.714606	.0009946

Sample Name: J6178-07 Acquired: 12/5/2018 15:20:32 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK6D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5075452	.0431742	.0445617
Stddev	.0033722	.0005504	.0002577
%RSD	.6644068	1.274736	.5781784

#1	.5037700	.0425421	.0442681
#2	.5102589	.0434339	.0446670
#3	.5086067	.0435468	.0447500

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2508.248	2798.549	54235.09	5436.243	4037.084
Stddev	4.265	3.790	154.75	30.867	9.146
%RSD	.1700540	.1354226	.2853382	.5678009	.2265522

#1	2504.939	2794.177	54084.69	5447.948	4027.545
#2	2506.743	2800.567	54226.72	5459.547	4045.778
#3	2513.062	2800.903	54393.86	5401.236	4037.930

Sample Name: J6178-08 Acquired: 12/5/2018 15:24:34 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK6S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1287554	.1088168	.5068300	-.012879	.0313192	102.0481	4.854146
Stddev	.0040973	.0004609	.0011759	.002027	.0009140	.5170	.007569
%RSD	3.182226	.4235305	.2320082	15.73632	2.918260	.5066489	.1559327

#1	.1305405	.1082976	.5073744	-.012172	.0311227	101.7625	4.848726
#2	.1240684	.1091775	.5054806	-.015165	.0305195	102.6449	4.862794
#3	.1316573	.1089753	.5076350	-.011301	.0323155	101.7369	4.850918

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0919817	.0954426	17.15217	.5751240	1.772479	.5853480	199.0765
Stddev	.0007888	.0002633	.06103	.0012843	.002213	.0085456	1.0048
%RSD	.8575449	.2758739	.3557980	.2232997	.1248480	1.459923	.5047461

#1	.0911053	.0955122	17.16972	.5745036	1.770788	.5801336	198.8409
#2	.0926347	.0951515	17.20250	.5742677	1.771666	.5952102	200.1782
#3	.0922052	.0956641	17.08429	.5766006	1.774984	.5807001	198.2105

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.49644	12.05900	1.642300	.0629026	-.098952	1.215899	1.123545
Stddev	.03801	.12413	.003182	.0003944	.121418	.013924	.018592
%RSD	.3306002	1.029351	.1937637	.6270255	122.7036	1.145162	1.654801

#1	11.45657	11.94654	1.642487	.0633348	.039498	1.208558	1.142608
#2	11.50050	12.19219	1.639029	.0628111	-.149047	1.231957	1.105462
#3	11.53225	12.03827	1.645385	.0625621	-.187308	1.207181	1.122565

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.196162	1.676776	.1005205	.0079027	.7179447	1.641591	.0027708
Stddev	.054281	.007014	.0031376	.0002385	.0068528	.015368	.0011350
%RSD	1.044638	.4182836	3.121355	3.017683	.9545100	.9361576	40.96328

#1	5.201002	1.674347	.1014146	.0078608	.7194428	1.624056	.0019227
#2	5.247861	1.684681	.1031140	.0076879	.7104667	1.648001	.0023294
#3	5.139623	1.671299	.0970329	.0081593	.7239246	1.652717	.0040601

Sample Name: J6178-08 Acquired: 12/5/2018 15:24:34 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK6S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5732173	.0439587	.0458827
Stddev	.0018239	.0007308	.0002326
%RSD	.3181886	1.662425	.5070613

#1	.5731369	.0432318	.0461463
#2	.5750801	.0446933	.0457061
#3	.5714350	.0439511	.0457956

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2554.272	2826.385	55112.59	5496.868	4068.043
Stddev	12.974	1.545	122.36	51.901	2.384
%RSD	.5079381	.0546494	.2220251	.9442008	.0585942

#1	2539.467	2825.455	54983.90	5543.515	4066.116
#2	2559.689	2825.533	55126.40	5440.959	4070.708
#3	2563.660	2828.169	55227.46	5506.130	4067.305

Sample Name: J6180-03 Acquired: 12/5/2018 15:32:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0670022	.0120068	1.351008	-.029790	.0022944	82.76652	.7800496
Stddev	.0043174	.0013691	.002083	.004154	.0005762	.34554	.0009403
%RSD	6.443682	11.40230	.1542127	13.94532	25.11430	.4174822	.1205416

#1	.0627351	.0104580	1.350954	-.032739	.0021386	82.41631	.7789673
#2	.0669032	.0125069	1.348952	-.031593	.0029325	82.77609	.7805152
#3	.0713682	.0130555	1.353118	-.025039	.0018121	83.10718	.7806662

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060637	.0008970	24.98790	.2013511	.1961732	.1216915	213.1503
Stddev	.0001004	.0000383	.04352	.0005576	.0005130	.0007184	1.2315
%RSD	1.655315	4.267839	.1741586	.2769298	.2614813	.5903321	.5777478

#1	.0061448	.0009180	24.93765	.2008677	.1965924	.1210490	212.3952
#2	.0060948	.0008528	25.01267	.2012246	.1963259	.1224671	212.4844
#3	.0059514	.0009201	25.01339	.2019611	.1956012	.1215583	214.5714

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.387281	13.65812	.2081675	-.017762	.0185265	.3722212	.1544985
Stddev	.006521	.00876	.0002714	.000106	.4415532	.0121539	.0107408
%RSD	.4700240	.0641011	.1303813	.5978030	2383.363	3.265222	6.952056

#1	1.389091	13.65185	.2079605	-.017845	-.261373	.3750974	.1494965
#2	1.392705	13.66813	.2080672	-.017799	.527545	.3588872	.1471710
#3	1.380047	13.65439	.2084748	-.017642	-.210593	.3826790	.1668281

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.501039	.8579682	.0927373	.0059459	1.116597	4.927222	.0020846
Stddev	.021247	.0050275	.0009813	.0004794	.002662	.039825	.0010745
%RSD	.8495267	.5859742	1.058117	8.062068	.2383640	.8082592	51.54274

#1	2.506339	.8633799	.0932460	.0053931	1.118394	4.937555	.0022879
#2	2.477644	.8570817	.0916061	.0062462	1.117857	4.883249	.0030428
#3	2.519135	.8534429	.0933598	.0061985	1.113539	4.960862	.0009230

Sample Name: J6180-03 Acquired: 12/5/2018 15:32:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4520543	.0301168	.0466575
Stddev	.0151595	.0003926	.0001661
%RSD	3.353470	1.303744	.3559167

#1	.4358079	.0303540	.0467766
#2	.4545337	.0296635	.0467279
#3	.4658212	.0303327	.0464678

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2557.799	2819.078	54772.68	5395.899	4131.671
Stddev	12.760	2.683	123.44	13.140	6.584
%RSD	.4988838	.0951717	.2253647	.2435175	.1593542

#1	2565.124	2821.736	54889.47	5409.729	4132.056
#2	2543.065	2816.371	54643.52	5394.388	4124.902
#3	2565.209	2819.125	54785.05	5383.579	4138.053

Sample Name: J6180-04 Acquired: 12/5/2018 15:36:36 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM2D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0667701	.0103545	1.457296	-.031905	.0043597	82.78977	.7815083
Stddev	.0019361	.0006614	.003305	.001682	.0011060	.19488	.0027016
%RSD	2.899708	6.387724	.2268206	5.271090	25.36764	.2353974	.3456918

#1	.0656265	.0101938	1.455776	-.033416	.0033607	82.91668	.7811992
#2	.0656783	.0097882	1.455024	-.030093	.0041703	82.56538	.7789745
#3	.0690056	.0110814	1.461088	-.032205	.0055482	82.88725	.7843511

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060236	.0008515	25.10315	.2008106	.1972859	.1305432	211.2995
Stddev	.0000707	.0001163	.13938	.0008042	.0006356	.0025679	.5384
%RSD	1.173897	13.65805	.5552373	.4004711	.3221560	1.967088	.2547818

#1	.0060424	.0007338	25.20739	.2004896	.1969702	.1305316	211.8620
#2	.0060830	.0008545	24.94483	.2002164	.1968701	.1279811	210.7891
#3	.0059454	.0009663	25.15722	.2017257	.1980175	.1331168	211.2474

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.380799	13.47189	.2090994	-.018292	-.146208	.3656463	.1648603
Stddev	.013206	.03852	.0004961	.000103	.236169	.0078102	.0120831
%RSD	.9563752	.2859589	.2372663	.5626637	161.5298	2.135991	7.329278

#1	1.382651	13.47218	.2088321	-.018378	.088581	.3697744	.1754246
#2	1.366764	13.51028	.2087942	-.018319	-.383733	.3705262	.1516853
#3	1.392980	13.43323	.2096718	-.018178	-.143472	.3566384	.1674710

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.544145	.8620673	.0959151	.0057398	1.140353	5.072862	.0019966
Stddev	.025431	.0030685	.0007559	.0003675	.004698	.039716	.0011140
%RSD	.9995772	.3559511	.7880760	6.402033	.4119399	.7829195	55.79472

#1	2.572841	.8617926	.0950429	.0061276	1.136381	5.084781	.0014166
#2	2.535193	.8591454	.0963812	.0056952	1.139139	5.028550	.0032809
#3	2.524400	.8652640	.0963211	.0053967	1.145538	5.105253	.0012923

Sample Name: J6180-04 Acquired: 12/5/2018 15:36:36 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM2D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4609618	.0313665	.0470883
Stddev	.0053526	.0006891	.0002603
%RSD	1.161174	2.197011	.5528372

#1	.4665958	.0319378	.0471474
#2	.4559439	.0306012	.0468035
#3	.4603457	.0315606	.0473140

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2534.838	2820.535	54399.86	5410.752	4114.448
Stddev	.700	2.417	211.60	1.404	8.330
%RSD	.0276132	.0857056	.3889627	.0259556	.2024540

#1	2534.286	2819.025	54215.49	5409.188	4105.270
#2	2534.602	2819.257	54630.89	5411.905	4121.530
#3	2535.625	2823.323	54353.21	5411.163	4116.543

Sample Name: J6180-05 Acquired: 12/5/2018 15:40:37 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM2S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1176480	.1147277	1.136337	-.014393	.0356432	95.51542	4.748450
Stddev	.0021949	.0014691	.001148	.001190	.0007474	.34142	.003307
%RSD	1.865655	1.280518	.1010066	8.269805	2.096833	.3574518	.0696416

#1	.1190078	.1135295	1.135290	-.015665	.0360380	95.24271	4.748014
#2	.1151158	.1163667	1.136159	-.014207	.0347813	95.89833	4.751954
#3	.1188204	.1142868	1.137564	-.013306	.0361104	95.40522	4.745384

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0973809	.1001649	25.03688	.5814015	1.221898	.6147772	204.2177
Stddev	.0002274	.0001776	.08648	.0011267	.000992	.0014283	1.0532
%RSD	.2334836	.1773355	.3454048	.1937925	.0812179	.2323229	.5157050

#1	.0975387	.1003188	24.99230	.5825571	1.220783	.6131656	203.0316
#2	.0974838	.0999705	25.13655	.5803061	1.222685	.6158862	205.0431
#3	.0971203	.1002055	24.98178	.5813413	1.222225	.6152799	204.5785

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.384538	14.09534	1.244032	.0668267	-.179357	1.270890	1.084705
Stddev	.008510	.14999	.002295	.0011703	.312649	.015868	.010118
%RSD	.3568726	1.064125	.1845091	1.751278	174.3170	1.248536	.9327545

#1	2.378636	13.94003	1.241956	.0662037	.096079	1.261345	1.087492
#2	2.380685	14.23938	1.243643	.0681767	-.114958	1.289206	1.093138
#3	2.394293	14.10662	1.246497	.0660997	-.519191	1.262118	1.073487

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.944293	.8251713	.0899719	.0049377	1.110726	5.265241	.0031442
Stddev	.029705	.0045409	.0015809	.0000254	.005060	.032618	.0007586
%RSD	1.008891	.5502953	1.757100	.5149910	.4555737	.6195006	24.12713

#1	2.977323	.8201264	.0895617	.0049649	1.107170	5.233148	.0032867
#2	2.919770	.8264561	.0917174	.0049336	1.116519	5.298360	.0038215
#3	2.935786	.8289313	.0886365	.0049146	1.108490	5.264214	.0023245

Sample Name: J6180-05 Acquired: 12/5/2018 15:40:37 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADM2S Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4030557	.0348217	.0508220
Stddev	.0068725	.0007755	.0003494
%RSD	1.705096	2.227054	.6875529

#1	.4090899	.0339427	.0504186
#2	.4045021	.0354090	.0510281
#3	.3955752	.0351135	.0510194

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2528.401	2791.083	54230.88	5348.143	4093.328
Stddev	15.409	3.615	86.64	24.766	3.173
%RSD	.6094293	.1295091	.1597548	.4630690	.0775079

#1	2545.516	2790.647	54324.97	5354.972	4095.228
#2	2515.631	2787.707	54213.28	5320.679	4089.665
#3	2524.056	2794.896	54154.40	5368.777	4095.091

Sample Name: J6180-03LX5 Acquired: 12/5/2018 15:44:33 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0134585	.0028272	.2495817	-.006972	-.000581	15.96418	.1529783
Stddev	.0036563	.0011164	.0007413	.000345	.001284	.01828	.0008874
%RSD	27.16716	39.48759	.2970279	4.942854	220.9799	.1145259	.5801026

#1	.0166952	.0016017	.2495959	-.007250	-.001854	15.94840	.1520289
#2	.0094926	.0037864	.2503158	-.007079	.000714	15.95992	.1537869
#3	.0141877	.0030936	.2488334	-.006586	-.000603	15.98422	.1531191

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011914	.0000289	4.912963	.0398732	.0359479	.0229498	41.35882
Stddev	.0000289	.0000531	.029715	.0003269	.0001753	.0008434	.17879
%RSD	2.425784	183.9493	.6048223	.8199229	.4877089	3.675032	.4322972

#1	.0012005	.0000650	4.884853	.0401913	.0361499	.0220756	41.33183
#2	.0012147	.0000538	4.909980	.0395381	.0358577	.0237586	41.19505
#3	.0011591	-.000032	4.944057	.0398902	.0358360	.0230151	41.54957

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2755433	2.593433	.0386874	-.003821	.0687250	.0775282	.0304139
Stddev	.0019498	.075902	.0001829	.000121	.0810211	.0024568	.0095705
%RSD	.7076143	2.926692	.4726429	3.154331	117.8917	3.168956	31.46746

#1	.2734434	2.663393	.0386965	-.003691	.1467487	.0784784	.0403617
#2	.2772965	2.512733	.0385001	-.003845	.0744194	.0747382	.0212717
#3	.2758899	2.604171	.0388655	-.003928	-.014993	.0793680	.0296084

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4288805	.1592298	.0177454	.0010541	.2039848	.9636611	-.001666
Stddev	.0360684	.0009388	.0006484	.0003126	.0005407	.0092979	.001011
%RSD	8.409902	.5896098	3.653782	29.66014	.2650864	.9648490	60.69100

#1	.4100172	.1588270	.0172477	.0007493	.2037322	.9738669	-.002814
#2	.4061553	.1603028	.0175099	.0010390	.2046056	.9614447	-.000906
#3	.4704691	.1585596	.0184786	.0013740	.2036166	.9556717	-.001279

Sample Name: J6180-03LX5 Acquired: 12/5/2018 15:44:33 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADM2 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0878484	.0036111	.0089418
Stddev	.0003519	.0019733	.0000799
%RSD	.4005521	54.64433	.8929939

#1	.0875244	.0014771	.0088574
#2	.0877980	.0053697	.0090161
#3	.0882228	.0039863	.0089519

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2395.967	2657.976	50926.21	5078.910	4179.818
Stddev	13.730	4.769	192.91	27.289	5.181
%RSD	.5730362	.1794258	.3787981	.5372923	.1239498

#1	2391.014	2658.122	50803.22	5052.300	4173.954
#2	2411.485	2653.136	50826.87	5106.830	4183.775
#3	2385.400	2662.671	51148.54	5077.600	4181.725

Sample Name: J6178-01 Acquired: 12/5/2018 15:48:40 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2572814	.0037558	1.085139	-.031407	.0045496	11.10150
Stddev	.0001866	.0035145	.002223	.001152	.0009810	.04609
%RSD	.0725331	93.57362	.2048215	3.667813	21.56165	.4151868

#1	.2573719	.0043172	1.083500	-.030474	.0036918	11.07579
#2	.2570668	-.000006	1.084248	-.032695	.0043379	11.07400
#3	.2574055	.006956	1.087669	-.031053	.0056192	11.15471

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2183609	.0067317	.0082944	F 1428.728	.0660405	.1041755
Stddev	.0017271	.0000164	.0000597	3.601	.0001887	.0008271
%RSD	.7909491	.2440584	.7195977	.2520619	.2856804	.7939191

#1	.2180549	.0067460	.0082275	1426.765	.0662415	.1049474
#2	.2168072	.0067353	.0083423	1432.885	.0660127	.1033026
#3	.2202205	.0067138	.0083133	1426.536	.0658672	.1042764

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1258126	154.7040	17.64254	F 804.5153	.1803998	-.011965
Stddev	.0019772	1.1002	.03082	5.3791	.0010339	.000426
%RSD	1.571578	.7111882	.1746868	.6686095	.5731387	3.560656

#1	.1246795	153.6954	17.67454	799.6834	.1805179	-.011831
#2	.1280957	154.5393	17.64001	803.5514	.1813696	-.012441
#3	.1246626	155.8773	17.61306	810.3112	.1793118	-.011621

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.123920	.1026360	.2931687	3.200309	6.320217	.0632474
Stddev	.130932	.0052449	.0181119	.013143	.011860	.0030487
%RSD	11.64962	5.110190	6.177984	.4106823	.1876595	4.820343

#1	1.035034	.0967160	.2941076	3.205176	6.333768	.0626851
#2	1.062448	.1044897	.2746056	3.210325	6.315158	.0605190
#3	1.274277	.1067023	.3107929	3.185427	6.311724	.0665382

Sample Name: J6178-01 Acquired: 12/5/2018 15:48:40 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195043	25.37926	1.564919	.0008139	.0627862	.0469000
Stddev	.0007679	.09034	.011339	.0022519	.0028901	.0013617
%RSD	3.937314	.3559417	.7245994	276.6688	4.603046	2.903448

#1	.0200969	25.38917	1.560689	.0025352	.0639067	.0474715
#2	.0186367	25.46424	1.577765	.0016412	.0595036	.0453457
#3	.0197793	25.28438	1.556302	-.001735	.0649483	.0478829

Elem	Sr4077
Units	ppm
Avg	.4608905
Stddev	.0011740
%RSD	.2547280

#1	.4622133
#2	.4604863
#3	.4599720

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2591.064	2767.331	58836.49	5836.117	3098.783
Stddev	22.915	2.191	293.25	25.998	1.828
%RSD	.8843843	.0791876	.4984124	.4454615	.0589855

#1	2574.436	2767.320	58519.88	5823.181	3097.060
#2	2617.203	2769.528	59098.78	5819.125	3098.589
#3	2581.553	2765.145	58890.80	5866.045	3100.700

Sample Name: J6178-02 Acquired: 12/5/2018 15:52:49 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1229948	.0259886	.2905358	-.074541	.0126686	33.36154	.5469797
Stddev	.0017733	.0008616	.0010230	.001329	.0008901	.14390	.0016385
%RSD	1.441791	3.315363	.3521071	1.782847	7.026077	.4313289	.2995517

#1	.1232557	.0250127	.2915895	-.075739	.0118721	33.21626	.5456215
#2	.1246232	.0266442	.2895466	-.074774	.0125043	33.50402	.5487994
#3	.1211054	.0263090	.2904711	-.073111	.0136294	33.36435	.5465181

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0158283	.0064123	10.78487	.3674109	.1694874	.6393612	526.3553
Stddev	.0002138	.0001707	.10323	.0007708	.0005165	.0022922	3.0468
%RSD	1.350476	2.662396	.9572151	.2097902	.3047192	.3585066	.5788496

#1	.0156987	.0063927	10.75446	.3668118	.1700236	.6367224	524.9979
#2	.0160751	.0062522	10.89989	.3682804	.1689932	.6408580	529.8449
#3	.0157112	.0065919	10.70025	.3671403	.1694454	.6405033	524.2231

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.87868	2.994986	.3733037	-.044447	-.738550	.5241180	1.441161
Stddev	.00525	.045792	.0012780	.000478	.106015	.0041490	.013626
%RSD	.0482274	1.528970	.3423408	1.076257	14.35443	.7916251	.9454986

#1	10.88365	2.986718	.3718319	-.043916	-.851493	.5194144	1.446607
#2	10.87320	3.044350	.3741320	-.044583	-.722971	.5256811	1.451222
#3	10.87920	2.953891	.3739471	-.044843	-.641187	.5272584	1.425654

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9880540	2.015079	.2338918	.0058249	.3220536	3.381944	.0092902
Stddev	.0358869	.001839	.0036641	.0003288	.0044199	.050671	.0012911
%RSD	3.632080	.0912414	1.566581	5.644187	1.372407	1.498287	13.89782

#1	.9716879	2.013115	.2297709	.0061758	.3250109	3.350669	.0106810
#2	.9632676	2.016760	.2367823	.0057748	.3241772	3.440407	.0081298
#3	1.029206	2.015362	.2351224	.0055240	.3169727	3.354757	.0090596

Sample Name: J6178-02 Acquired: 12/5/2018 15:52:49 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.9208498	.0036112	.0236938
Stddev	.0068159	.0006286	.0001784
%RSD	.7401791	17.40658	.7531058

#1	.9180008	.0037611	.0236132
#2	.9286280	.0041513	.0238983
#3	.9159206	.0029212	.0235699

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2612.127	2872.638	56310.86	5547.750	4011.471
Stddev	28.467	4.557	324.15	30.323	4.425
%RSD	1.089784	.1586188	.5756512	.5465840	.1103030

#1	2599.556	2868.166	56152.61	5576.083	4009.851
#2	2644.715	2872.473	56683.74	5515.767	4008.084
#3	2592.109	2877.275	56096.23	5551.398	4016.477

Sample Name: J6178-03 Acquired: 12/5/2018 15:56:49 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0746898	.0126108	.1983112	-.030090	.0062394	121.1955	.6831854
Stddev	.0045769	.0013472	.0012454	.003688	.0017959	.3794	.0013063
%RSD	6.127852	10.68312	.6279766	12.25637	28.78321	.3130666	.1912082

#1	.0799695	.0123172	.1970173	-.033693	.0046061	121.4319	.6846839
#2	.0722543	.0140806	.1995015	-.026323	.0059495	120.7578	.6822869
#3	.0718457	.0114346	.1984149	-.030254	.0081627	121.3967	.6825855

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063241	.0007969	21.17721	.1798272	.0635783	.0995010	242.9440
Stddev	.0001117	.0001045	.06398	.0009663	.0007706	.0005319	1.1815
%RSD	1.765605	13.11793	.3021217	.5373494	1.211979	.5345859	.4863182

#1	.0064504	.0006909	21.19001	.1795579	.0644679	.1001152	243.4801
#2	.0062830	.0008999	21.10780	.1790242	.0631468	.0991900	241.5895
#3	.0062388	.0008000	21.23383	.1808996	.0631202	.0991979	243.7623

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.885228	19.22663	.0754970	-.020116	-.199323	.3512009	.2516901
Stddev	.008710	.02880	.0002151	.000367	.224413	.0086215	.0069741
%RSD	.4620005	.1497853	.2848978	1.825687	112.5879	2.454861	2.770901

#1	1.889870	19.19627	.0752551	-.020421	.019556	.3461349	.2440886
#2	1.890633	19.23008	.0756668	-.020219	-.188635	.3463121	.2531882
#3	1.875181	19.25355	.0755691	-.019708	-.428889	.3611556	.2577933

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.340856	1.524519	.1101983	.0065758	.7930396	1.655667	.0030660
Stddev	.028023	.001464	.0018080	.0001494	.0034503	.017187	.0014969
%RSD	.6455580	.0960419	1.640688	2.272633	.4350785	1.038041	48.82098

#1	4.308624	1.525420	.1100874	.0064801	.7955274	1.675503	.0044606
#2	4.359442	1.522829	.1084482	.0064994	.7891007	1.645213	.0032531
#3	4.354503	1.525307	.1120592	.0067480	.7944907	1.646286	.0014844

Sample Name: J6178-03 Acquired: 12/5/2018 15:56:49 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4440732	.0564892	.0717919
Stddev	.0028054	.0007736	.0002388
%RSD	.6317513	1.369396	.3325871

#1	.4452541	.0571207	.0719772
#2	.4408703	.0556263	.0718760
#3	.4460950	.0567205	.0715224

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2487.614	2752.066	53518.74	5310.398	4052.539
Stddev	15.510	2.369	255.23	35.085	.515
%RSD	.6234722	.0860729	.4769052	.6606915	.0127043

#1	2479.879	2750.870	53226.23	5270.470	4052.866
#2	2477.492	2754.794	53633.77	5324.425	4051.945
#3	2505.469	2750.533	53696.20	5336.300	4052.805

Sample Name: J6178-04 Acquired: 12/5/2018 16:00:52 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0783881	.0151190	.2134671	-.035685	.0068041	139.8592	1.027322
Stddev	.0018043	.0019323	.0037020	.002464	.0020364	.3960	.002192
%RSD	2.301774	12.78035	1.734244	6.905826	29.92883	.2831189	.2133546

#1	.0799714	.0128951	.2103573	-.032840	.0084465	139.4552	1.026881
#2	.0764236	.0163865	.2124821	-.037105	.0074402	139.8760	1.025385
#3	.0787692	.0160755	.2175621	-.037111	.0045256	140.2466	1.029702

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0071746	.0010400	27.87281	.1785964	.2621551	.1419101	274.0791
Stddev	.0000869	.0000957	.07822	.0002824	.0004842	.0009274	1.3748
%RSD	1.210984	9.206561	.2806371	.1581336	.1847156	.6535064	.5016066

#1	.0070748	.0009859	27.78338	.1785460	.2616519	.1417484	272.4918
#2	.0072332	.0009835	27.92846	.1783426	.2621955	.1429077	274.8946
#3	.0072158	.0011506	27.90660	.1789006	.2626179	.1410742	274.8508

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.336345	24.01677	.1688609	-.023016	-.234535	.3669488	.3488221
Stddev	.011444	.19637	.0005853	.000076	.291529	.0069467	.0054555
%RSD	.3429989	.8176471	.3465889	.3314316	124.3008	1.893108	1.563990

#1	3.339947	23.79048	.1691697	-.023001	-.129252	.3589462	.3550675
#2	3.323533	24.14245	.1692270	-.023099	-.010272	.3714254	.3464130
#3	3.345554	24.11738	.1681859	-.022948	-.564080	.3704749	.3449858

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.624383	1.929332	.1240667	.0084740	.7332988	1.916613	.0044786
Stddev	.062810	.010227	.0020003	.0001235	.0038336	.008423	.0009864
%RSD	.9481578	.5300772	1.612282	1.456919	.5227899	.4394589	22.02423

#1	6.555314	1.920857	.1221484	.0085894	.7291942	1.923117	.0055951
#2	6.678079	1.926449	.1239117	.0084889	.7339155	1.907099	.0041151
#3	6.639755	1.940692	.1261400	.0083438	.7367867	1.919623	.0037255

Sample Name: J6178-04 Acquired: 12/5/2018 16:00:52 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADK4 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5278238	.0767676	.0591682
Stddev	.0012730	.0003801	.0002422
%RSD	.2411733	.4950600	.4092524

#1	.5284427	.0768529	.0590975
#2	.5286691	.0763521	.0589692
#3	.5263598	.0770977	.0594377

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2453.266	2729.409	53112.80	5290.990	4078.454
Stddev	12.916	5.975	278.85	27.092	5.276
%RSD	.5264912	.2189218	.5250071	.5120366	.1293734

#1	2447.860	2728.772	53066.81	5298.300	4079.288
#2	2443.931	2735.678	52859.82	5260.994	4083.263
#3	2468.007	2723.778	53411.79	5313.677	4072.810

Sample Name: J6178-05 Acquired: 12/5/2018 16:04:54 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1010692	.0130439	5.517870	-.034508	.0035424	60.72562
Stddev	.0018726	.0013689	.022209	.000216	.0007908	.02809
%RSD	1.852748	10.49451	.4024904	.6264968	22.32492	.0462555

#1	.1003408	.0134580	5.509483	-.034290	.0044554	60.70606
#2	.0996703	.0115157	5.501076	-.034513	.0030979	60.75781
#3	.1031965	.0141579	5.543051	-.034722	.0030737	60.71300

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.372197	.0125494	.0065888	19.78703	.1760863	1.472904
Stddev	.006188	.0000883	.0000594	.08965	.0004801	.002625
%RSD	.4509652	.7033296	.9012493	.4530717	.2726495	.1782389

#1	1.368679	.0125207	.0065214	19.70581	.1758261	1.470400
#2	1.379342	.0124791	.0066333	19.88322	.1766404	1.472677
#3	1.368570	.0126484	.0066119	19.77206	.1757926	1.475636

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4478329	226.4352	F 30.07399	9.387899	1.171839	-.015441
Stddev	.0008896	1.4344	.07077	.011247	.001827	.000116
%RSD	.1986402	.6334602	.2353206	.1198076	.1558925	.7513606

#1	.4475422	227.6707	29.99339	9.391755	1.171144	-.015465
#2	.4488315	224.8622	30.10261	9.375231	1.170462	-.015315
#3	.4471250	226.7728	30.12597	9.396711	1.173912	-.015543

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.139527	.3165789	1.544076	2.430795	1.793382	.1016123
Stddev	.223331	.0094521	.033890	.015905	.003508	.0035845
%RSD	160.0631	2.985692	2.194828	.6543226	.1956207	3.527606

#1	-.397387	.3088824	1.582981	2.414420	1.789351	.1052879
#2	-.013421	.3137254	1.520974	2.431782	1.795745	.0981265
#3	-.007773	.3271290	1.528273	2.446184	1.795050	.1014226

Sample Name: J6178-05 Acquired: 12/5/2018 16:04:54 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092280	.8694784	1.666159	.0022090	.4846503	.0234805
Stddev	.0002620	.0017456	.011118	.0003977	.0020339	.0013869
%RSD	2.839154	.2007621	.6672613	18.00287	.4196647	5.906751

#1	.0090908	.8709046	1.661616	.0024922	.4823835	.0219062
#2	.0090631	.8675318	1.658032	.0023804	.4863156	.0245218
#3	.0095301	.8699988	1.678828	.0017544	.4852517	.0240136

Elem	Sr4077
Units	ppm
Avg	.0458174
Stddev	.0000252
%RSD	.0549779

#1	.0458110
#2	.0457959
#3	.0458451

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2873.634	3206.026	62223.78	6189.233	4073.050
Stddev	7.673	5.094	391.44	51.968	4.409
%RSD	.2670133	.1589033	.6290824	.8396441	.1082527

#1	2866.652	3202.700	62414.87	6224.631	4073.607
#2	2872.403	3211.891	61773.50	6213.497	4077.155
#3	2881.849	3203.488	62482.98	6129.571	4068.389

Sample Name: J6178-09 Acquired: 12/5/2018 16:08:55 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4340738	.0062943	1.742852	-.053021	.0081539	25.81432
Stddev	.0031317	.0018115	.002327	.004162	.0012136	.03677
%RSD	.7214748	28.77966	.1335242	7.849734	14.88335	.1424275

#1	.4307720	.0075508	1.740338	-.049498	.0095552	25.85492
#2	.4344474	.0071142	1.743287	-.051952	.0074674	25.80476
#3	.4370019	.0042178	1.744931	-.057613	.0074393	25.78327

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8063005	.0134237	.0143492	F 1071.051	.1145823	.2722195
Stddev	.0023171	.0001783	.0001044	3.929	.0004902	.0001604
%RSD	.2873688	1.328145	.7272772	.3668370	.4277922	.0589355

#1	.8055056	.0136254	.0142501	1067.030	.1145994	.2723685
#2	.8089104	.0132871	.0143393	1071.242	.1150637	.2720497
#3	.8044855	.0133586	.0144581	1074.881	.1140838	.2722404

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6615136	266.9742	24.69622	586.3985	.3658958	-.016505
Stddev	.0067155	1.6100	.02722	3.8421	.0001480	.000265
%RSD	1.015167	.6030666	.1102346	.6552005	.0404569	1.607184

#1	.6546861	268.4878	24.72764	590.5316	.3658092	-.016465
#2	.6617436	265.2825	24.68146	582.9356	.3660667	-.016262
#3	.6681111	267.1524	24.67957	585.7284	.3658115	-.016788

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7830189	.2057229	.5608064	2.803180	5.596911	.0587230
Stddev	.0188975	.0072700	.0036135	.024493	.009080	.0034449
%RSD	2.413422	3.533875	.6443375	.8737551	.1622321	5.866350

#1	.7784475	.2136525	.5631272	2.775007	5.590514	.0625637
#2	.8037827	.1993719	.5566431	2.819419	5.592916	.0576994
#3	.7668263	.2041443	.5626489	2.815113	5.607304	.0559059

Sample Name: J6178-09 Acquired: 12/5/2018 16:08:55 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0151530	44.00920	1.343623	.0045657	.1700925	.0426540
Stddev	.0002346	.07873	.019181	.0011812	.0031949	.0005089
%RSD	1.548320	.1788953	1.427574	25.87135	1.878359	1.193216

#1	.0148868	43.98697	1.357275	.0057307	.1733938	.0422878
#2	.0152427	43.94397	1.321693	.0045974	.1698678	.0424391
#3	.0153296	44.09665	1.351902	.0033689	.1670158	.0432352

Elem	Sr4077
Units	ppm
Avg	.3528288
Stddev	.0008815
%RSD	.2498448

#1	.3537339
#2	.3527795
#3	.3519729

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2886.331	3095.110	64938.79	6462.881	3197.990
Stddev	23.357	5.410	429.45	39.613	3.422
%RSD	.8092272	.1747800	.6613153	.6129380	.1069935

#1	2901.392	3090.526	65173.64	6435.299	3194.829
#2	2859.425	3101.077	64443.13	6508.274	3201.623
#3	2898.177	3093.726	65199.60	6445.070	3197.517

Sample Name: J6178-10 Acquired: 12/5/2018 16:13:02 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1202864	-.000384	.6970122	-.020198	.0060583	11.43267
Stddev	.0054711	.002885	.0024543	.002171	.0018961	.05535
%RSD	4.548383	751.0999	.3521214	10.74687	31.29833	.4841458

#1	.1240302	-.000176	.6980563	-.022705	.0077771	11.46468
#2	.1140076	-.003368	.6987718	-.018914	.0040243	11.46457
#3	.1228216	.002391	.6942085	-.018977	.0063733	11.36876

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2961681	.0048720	.0063630	F 2128.050	.0745495	.0817001
Stddev	.0002586	.0000144	.0001116	16.179	.0003170	.0005396
%RSD	.0873029	.2964349	1.754111	.7602841	.4251825	.6604779

#1	.2962341	.0048577	.0063487	2115.365	.0749154	.0810770
#2	.2958829	.0048866	.0064810	2122.515	.0743613	.0820108
#3	.2963872	.0048717	.0062592	2146.271	.0743716	.0820125

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2069309	114.8777	9.808133	770.5723	.1490880	-.009945
Stddev	.0016182	.3926	.009931	4.8009	.0005937	.000515
%RSD	.7820133	.3417954	.1012525	.6230283	.3981922	5.173605

#1	.2085027	115.3256	9.800763	776.0848	.1490230	-.009703
#2	.2052699	114.7146	9.819426	768.3235	.1497115	-.010536
#3	.2070200	114.5929	9.804209	767.3085	.1485295	-.009597

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.489551	.0984480	.4524328	4.523349	4.147395	.0468532
Stddev	.215626	.0065850	.0067465	.010894	.007938	.0031618
%RSD	8.661240	6.688771	1.491165	.2408425	.1913964	6.748427

#1	2.637244	.0952432	.4569984	4.515586	4.141231	.0435725
#2	2.242111	.0940790	.4446836	4.535803	4.156352	.0498811
#3	2.589297	.1060220	.4556165	4.518658	4.144601	.0471058

Sample Name: J6178-10 Acquired: 12/5/2018 16:13:02 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108210	36.35224	1.887659	.0010193	.0543642	.0698167
Stddev	.0004458	.07731	.008494	.0026222	.0005950	.0014509
%RSD	4.119897	.2126717	.4499707	257.2551	1.094404	2.078110

#1	.0108390	36.37202	1.888002	.0022942	.0543580	.0705918
#2	.0112576	36.26697	1.895977	-.001997	.0537723	.0681429
#3	.0103665	36.41775	1.878999	.002760	.0549622	.0707154

Elem	Sr4077
Units	ppm
Avg	1.034874
Stddev	.002229
%RSD	.2153456

#1	1.034830
#2	1.037125
#3	1.032668

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2284.586	2445.884	52017.57	5211.638	3028.422
Stddev	13.881	4.390	445.86	16.306	4.097
%RSD	.6075988	.1794754	.8571419	.3128781	.1353006

#1	2288.117	2440.903	51994.85	5194.034	3024.022
#2	2296.361	2447.557	52474.35	5226.224	3032.128
#3	2269.281	2449.191	51583.49	5214.657	3029.117

Sample Name: J6178-11 Acquired: 12/5/2018 16:17:09 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2823395	.0050712	1.071084	-.032903	.0047163	15.47178
Stddev	.0043492	.0038661	.005235	.001657	.0026456	.01489
%RSD	1.540430	76.23582	.4887292	5.036877	56.09425	.0962566

#1	.2864030	.0055038	1.065878	-.033948	.0025034	15.47162
#2	.2828635	.0087028	1.076347	-.033768	.0039989	15.48675
#3	.2777520	.0010070	1.071027	-.030992	.0076466	15.45696

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1917258	.0073325	.0083371	F 1423.637	.1118418	.1396068
Stddev	.0006571	.0000454	.0001620	5.436	.0003732	.0006859
%RSD	.3427099	.6191939	1.942710	.3818169	.3336874	.4912834

#1	.1917468	.0073349	.0081652	1429.248	.1114251	.1388174
#2	.1923721	.0072860	.0083593	1418.396	.1121452	.1399466
#3	.1910585	.0073767	.0084869	1423.267	.1119550	.1400565

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1307602	167.7595	19.35224	772.4638	.2539765	-.012093
Stddev	.0036855	.6661	.06271	2.0847	.0007443	.000163
%RSD	2.818490	.3970552	.3240654	.2698823	.2930527	1.344384

#1	.1319393	167.7913	19.30202	772.3778	.2531186	-.012011
#2	.1266294	167.0781	19.33217	770.4234	.2544505	-.011987
#3	.1337118	168.4091	19.42253	774.5902	.2543603	-.012280

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.175806	.1041209	.2945036	4.998394	7.987947	.0637418
Stddev	.130657	.0086944	.0119825	.031960	.028250	.0030256
%RSD	11.11210	8.350310	4.068693	.6393978	.3536600	4.746643

#1	1.054830	.1135680	.3040893	5.005463	7.958926	.0614127
#2	1.314363	.1023396	.2810699	4.963492	7.989557	.0626513
#3	1.158225	.0964551	.2983516	5.026228	8.015358	.0671615

Sample Name: J6178-11 Acquired: 12/5/2018 16:17:09 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0225784	25.10875	1.311845	-.001121	.0346745	.0467103
Stddev	.0003915	.03916	.006388	.000431	.0018330	.0012183
%RSD	1.733950	.1559715	.4869281	38.42041	5.286231	2.608284

#1	.0221400	25.08475	1.319216	-.001471	.0341927	.0454216
#2	.0228930	25.08756	1.308397	-.001252	.0331306	.0468658
#3	.0227023	25.15395	1.307923	-.000640	.0367003	.0478434

Elem	Sr4077
Units	ppm
Avg	.4394506
Stddev	.0016410
%RSD	.3734271

#1	.4397313
#2	.4376873
#3	.4409332

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2572.781	2760.589	58527.33	5825.343	3092.739
Stddev	12.796	5.567	97.50	16.383	1.654
%RSD	.4973798	.2016475	.1665839	.2812289	.0534759

#1	2558.013	2755.873	58569.29	5807.494	3093.219
#2	2579.736	2766.730	58596.83	5828.840	3094.099
#3	2580.594	2759.164	58415.88	5839.695	3090.898

Sample Name: CCV033 Acquired: 12/5/2018 16:21:15 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV033 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.849302	4.902798	24.51404	4.594406	4.849839	411.3191
Stddev	.001626	.014109	.04702	.010281	.002548	.3179
%RSD	.0335392	.2877840	.1918143	.2237743	.0525379	.0772849

#1	4.850793	4.890193	24.48274	4.591529	4.852781	411.0066
#2	4.849544	4.918040	24.56811	4.585870	4.848430	411.6421
#3	4.847568	4.900162	24.49126	4.605819	4.848307	411.3085

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.955697	.4949905	2.442625	400.0637	15.15546	2.511074
Stddev	.015969	.0027060	.003963	.3303	.02794	.004061
%RSD	.1604032	.5466812	.1622285	.0825738	.1843846	.1617375

#1	9.961872	.4918674	2.438221	400.3763	15.12342	2.508003
#2	9.967657	.4964671	2.443752	399.7181	15.17477	2.515679
#3	9.937562	.4966370	2.445902	400.0966	15.16820	2.509540

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.02477	414.3050	14.73671	405.0903	2.492681	1.223632
Stddev	.02591	1.5910	.04639	1.0100	.001457	.004077
%RSD	.1724658	.3840212	.3148255	.2493347	.0584676	.3332010

#1	15.02406	413.6555	14.78865	404.3272	2.491400	1.226955
#2	15.05103	416.1180	14.69938	406.2357	2.494266	1.224858
#3	14.99921	413.1414	14.72209	404.7080	2.492376	1.219082

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	406.5869	2.466087	14.63931	152.0548	F 4.253205	5.018666
Stddev	.5410	.006099	.08066	.4153	.018442	.019321
%RSD	.1330512	.2473026	.5509859	.2731310	.4336133	.3849859

#1	405.9712	2.460864	14.69281	151.6509	4.240806	4.998506
#2	406.8032	2.472790	14.67858	152.0330	4.274399	5.020470
#3	406.9862	2.464609	14.54653	152.4807	4.244412	5.037022

Sample Name: CCV033 Acquired: 12/5/2018 16:21:15 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV033 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.759275	F 4.118083	4.898405	4.961332	4.896752	5.188314
Stddev	.008833	.019080	.025154	.008251	.007285	.003492
%RSD	.1855920	.4633304	.5135045	.1663064	.1487698	.0673069

#1	4.762601	4.108009	4.872163	4.952521	4.888410	5.190416
#2	4.749263	4.140089	4.900746	4.968877	4.901859	5.190244
#3	4.765963	4.106151	4.922306	4.962597	4.899987	5.184283

Elem	Sr4077
Units	ppm
Avg	4.898389
Stddev	.023410
%RSD	.4779159

#1	4.919289
#2	4.873092
#3	4.902787

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2053.614	2188.608	46832.62	4645.055	3293.913
Stddev	12.796	4.802	62.34	3.938	7.363
%RSD	.6230784	.2194213	.1331085	.0847871	.2235452

#1	2039.332	2191.943	46773.93	4648.984	3302.410
#2	2064.033	2190.777	46898.06	4645.074	3289.391
#3	2057.478	2183.104	46825.87	4641.107	3289.939

Sample Name: CCB033 Acquired: 12/5/2018 16:24:59 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB033 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001570	-.000674	-.000152	-.001283	-.001390	-.024970	-.000035
Stddev	.001569	.002797	.001915	.001536	.000998	.012656	.000614
%RSD	99.93450	415.0729	1260.589	119.7661	71.80343	50.68579	1767.490

#1	-.000782	-.003722	-.001274	-.001830	-.001725	-.039474	-.000729
#2	-.003376	-.000072	-.001242	.000452	-.002177	-.016168	.000189
#3	-.000551	.001773	.002060	-.002470	-.000267	-.019267	.000436

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000022	-.000014	-.018260	-.000273	.0002267	.0015464	.0057104
Stddev	.000024	.000098	.010567	.000239	.0001332	.0018577	.0312371
%RSD	111.6079	685.1742	57.87063	87.47430	58.74114	120.1284	547.0250

#1	-.000037	-.000124	-.006080	-.000033	.0000895	.0034745	-.030033
#2	.000006	.000061	-.023724	-.000511	.0002352	-.000232	.019392
#3	-.000035	.000021	-.024977	-.000275	.0003554	.001397	.027772

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021028	.0264355	-.000182	.0004184	.1185156	-.002771	.0135658
Stddev	.0008180	.0167159	.000264	.0002870	.0810229	.003045	.0138040
%RSD	38.89874	63.23263	145.0766	68.59640	68.36478	109.8937	101.7556

#1	.0017407	.0414648	-.000452	.0003346	.1877650	-.000241	.0158863
#2	.0015284	.0294095	.000076	.0001826	.1383711	-.001921	.0260626
#3	.0030394	.0084323	-.000171	.0007380	.0294106	-.006150	-.001251

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0662055	-.001447	.0062237	-.000244	-.004644	.0026123	-.002011
Stddev	.0797647	.001380	.0009093	.000076	.001078	.0006773	.000664
%RSD	120.4805	95.39697	14.61084	30.99101	23.22181	25.92596	33.00037

#1	.0095599	-.003040	.0058221	-.000331	-.004308	.0033167	-.001256
#2	.1574239	-.000665	.0072647	-.000204	-.005850	.0025545	-.002276
#3	.0316326	-.000635	.0055843	-.000197	-.003773	.0019658	-.002501

Sample Name: CCB033 Acquired: 12/5/2018 16:24:59 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB033 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0021115	.0045814	-.000283
Stddev	.0014735	.0025938	.000121
%RSD	69.78355	56.61602	42.52993

#1	.0038064	.0032053	-.000341
#2	.0011355	.0075732	-.000145
#3	.0013926	.0029656	-.000364

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2277.132	2552.336	48572.60	4819.520	4071.820
Stddev	12.630	1.508	97.85	13.168	7.619
%RSD	.5546393	.0590874	.2014604	.2732300	.1871275

#1	2263.692	2551.709	48515.64	4808.010	4063.311
#2	2278.948	2551.243	48516.57	4816.670	4078.012
#3	2288.755	2554.057	48685.59	4833.880	4074.138

Sample Name: J6178-12 Acquired: 12/5/2018 16:29:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0987021	.0167249	.3261359	-.039276	.0071694	89.69206	1.586257
Stddev	.0011826	.0007548	.0017825	.001563	.0012062	.42277	.001647
%RSD	1.198168	4.512878	.5465348	3.979002	16.82418	.4713567	.1038515

#1	.0976383	.0159978	.3241276	-.040249	.0059087	89.98225	1.588158
#2	.0999755	.0175046	.3267497	-.037474	.0083125	89.20700	1.585370
#3	.0984926	.0166723	.3275302	-.040107	.0072869	89.88693	1.585243

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097800	.0026402	21.32836	.2613584	.2059536	.1194150	308.7657
Stddev	.0000456	.0001524	.16545	.0003764	.0008888	.0004915	2.8720
%RSD	.4666271	5.770938	.7757310	.1440158	.4315719	.4115621	.9301590

#1	.0097527	.0026059	21.36137	.2609257	.2052726	.1195933	310.5534
#2	.0097546	.0028067	21.14890	.2616108	.2056291	.1188593	305.4528
#3	.0098327	.0025078	21.47482	.2615385	.2069591	.1197925	310.2908

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.17587	12.25210	.1038183	-.025130	-.063840	.4426286	.2102303
Stddev	.02550	.14662	.0002965	.000231	.041590	.0039774	.0016637
%RSD	.2094239	1.196700	.2855758	.9202487	65.14837	.8985919	.7913658

#1	12.15265	12.38173	.1040204	-.025273	-.099977	.4472212	.2109417
#2	12.17178	12.09297	.1034779	-.024863	-.073163	.4402995	.2114199
#3	12.20316	12.28159	.1039565	-.025253	-.018379	.4403652	.2083291

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.671676	2.297853	.1255169	.0069874	5.105645	1.363167	.0055310
Stddev	.048492	.001174	.0040627	.0002888	.013819	.012157	.0004730
%RSD	1.037997	.0510997	3.236790	4.132769	.2706692	.8918441	8.551871

#1	4.645554	2.298008	.1300706	.0067066	5.101229	1.362898	.0051979
#2	4.727629	2.296610	.1222637	.0069719	5.094574	1.351146	.0060724
#3	4.641846	2.298943	.1242163	.0072836	5.121133	1.375456	.0053227

Sample Name: J6178-12 Acquired: 12/5/2018 16:29:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3312838	.0326921	.0603688
Stddev	.0037384	.0014520	.0002121
%RSD	1.128447	4.441350	.3513979

#1	.3343139	.0342806	.0604972
#2	.3271062	.0314334	.0601240
#3	.3324314	.0323624	.0604853

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2541.555	2824.979	54951.56	5422.574	4019.605
Stddev	12.690	4.085	157.87	47.614	5.271
%RSD	.4992981	.1446115	.2872890	.8780753	.1311428

#1	2552.812	2822.686	55068.82	5417.179	4019.369
#2	2544.052	2829.696	55013.81	5472.656	4024.990
#3	2527.803	2822.556	54772.06	5377.888	4014.455

Sample Name: J6178-13 Acquired: 12/5/2018 16:33:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1106326	.0116937	8.082347	-.038902	.0046755	64.40754
Stddev	.0033972	.0028120	.009214	.001459	.0020396	.07952
%RSD	3.070715	24.04721	.1140021	3.750032	43.62407	.1234629

#1	.1097074	.0148516	8.089868	-.039560	.0063412	64.48986
#2	.1077939	.0094603	8.072069	-.039916	.0024007	64.40162
#3	.1143966	.0107694	8.085104	-.037230	.0052845	64.33116

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.935742	.0121093	.0043020	24.94982	.2365195	.5412438
Stddev	.003282	.0000826	.0001124	.04360	.0005011	.0010777
%RSD	.1695330	.6820499	2.612776	.1747420	.2118669	.1991134

#1	1.937981	.0121761	.0042011	24.94619	.2370754	.5400304
#2	1.937271	.0121349	.0044231	24.90815	.2363806	.5416115
#3	1.931975	.0120170	.0042817	24.99512	.2361025	.5420896

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4773533	257.3525	F 31.65014	11.32243	.4241489	-.016839
Stddev	.0024124	1.3310	.02116	.06248	.0009415	.000221
%RSD	.5053642	.5171983	.0668539	.5518413	.2219747	1.310221

#1	.4789588	258.4985	31.66568	11.39428	.4247422	-.016855
#2	.4785219	255.8926	31.65869	11.29218	.4230633	-.017052
#3	.4745792	257.6663	31.62604	11.28084	.4246412	-.016611

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.359899	.3607558	.5261678	2.971627	1.638591	.1005492
Stddev	.172915	.0051395	.0064741	.032807	.001825	.0010959
%RSD	48.04532	1.424638	1.230416	1.103992	.1113699	1.089878

#1	-.232841	.3631041	.5279315	2.939521	1.640521	.1003854
#2	-.290042	.3643017	.5189946	3.005092	1.638360	.0995445
#3	-.556813	.3548617	.5315772	2.970268	1.636893	.1017178

Sample Name: J6178-13 Acquired: 12/5/2018 16:33:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089756	.8803354	1.377622	.0028465	.4730613	.0292990
Stddev	.0001659	.0053681	.007992	.0018491	.0036265	.0007966
%RSD	1.848264	.6097790	.5801576	64.96169	.7666043	2.718894

#1	.0089079	.8770440	1.386831	.0049606	.4771097	.0283808
#2	.0091647	.8865299	1.372505	.0015303	.4719642	.0298069
#3	.0088543	.8774324	1.373528	.0020485	.4701100	.0297092

Elem	Sr4077
Units	ppm
Avg	.0422552
Stddev	.0001224
%RSD	.2896059

#1	.0421229
#2	.0423644
#3	.0422783

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2686.734	2982.010	57917.38	5727.086	4024.202
Stddev	10.806	2.253	130.34	26.888	7.638
%RSD	.4021834	.0755423	.2250371	.4694925	.1898125

#1	2697.942	2982.339	57982.93	5696.128	4021.158
#2	2676.381	2979.611	57767.28	5740.519	4018.556
#3	2685.880	2984.081	58001.92	5744.612	4032.894

Sample Name: J6178-14 Acquired: 12/5/2018 16:37:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0528056	.0127429	.2170171	-.032826	.0065381	113.7017	.6284061
Stddev	.0029655	.0005642	.0001075	.001584	.0012309	.2102	.0016652
%RSD	5.615925	4.427604	.0495230	4.825453	18.82689	.1848829	.2649927

#1	.0525631	.0121050	.2171409	-.034650	.0071506	113.5574	.6272544
#2	.0499688	.0131765	.2169482	-.031797	.0051211	113.6049	.6303154
#3	.0558849	.0129471	.2169622	-.032031	.0073426	113.9429	.6276485

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051130	.0012676	27.32738	.2177800	.1494804	.0892600	254.0911
Stddev	.0000930	.0000445	.01370	.0008098	.0002007	.0018756	.8282
%RSD	1.818903	3.512495	.0501336	.3718568	.1342635	2.101271	.3259502

#1	.0051672	.0013174	27.32404	.2183590	.1496268	.0910306	253.5593
#2	.0050056	.0012534	27.34244	.2181264	.1495628	.0872946	253.6687
#3	.0051662	.0012318	27.31566	.2168546	.1492516	.0894546	255.0454

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.429579	15.51725	.1483557	-.021218	-.229346	.3776091	.1979200
Stddev	.010224	.05519	.0003383	.000434	.149028	.0100699	.0098504
%RSD	.4208057	.3556440	.2280186	2.046523	64.97955	2.666748	4.976943

#1	2.426614	15.50121	.1487446	-.021327	-.076962	.3675041	.2056082
#2	2.440957	15.47186	.1481297	-.020740	-.374774	.3876435	.1868165
#3	2.421165	15.57868	.1481928	-.021588	-.236302	.3776798	.2013351

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.582190	.8845949	.0993267	.0048965	1.249306	1.558180	.0024191
Stddev	.025774	.0093213	.0043953	.0002222	.002122	.011605	.0007682
%RSD	.7195047	1.053738	4.425054	4.537509	.1698593	.7447830	31.75714

#1	3.605446	.8862292	.0952680	.0050092	1.248698	1.557719	.0031728
#2	3.586646	.8745645	.1039949	.0046405	1.247554	1.546813	.0016371
#3	3.554479	.8929910	.0987172	.0050397	1.251665	1.570009	.0024474

Sample Name: J6178-14 Acquired: 12/5/2018 16:37:07 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2213494	.0482096	.0402206
Stddev	.0015164	.0018196	.0001240
%RSD	.6850628	3.774446	.3082279

#1	.2202905	.0492092	.0403053
#2	.2230865	.0493105	.0402783
#3	.2206712	.0461093	.0400783

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2418.323	2688.791	52169.96	5205.010	4027.464
Stddev	2.917	2.189	253.31	15.697	4.907
%RSD	.1206125	.0814094	.4855547	.3015680	.1218272

#1	2418.005	2689.301	52307.90	5197.532	4033.102
#2	2415.578	2690.680	51877.62	5223.047	4025.137
#3	2421.386	2686.392	52324.38	5194.450	4024.155

Sample Name: J6178-15 Acquired: 12/5/2018 16:41:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0861191	.0156101	.2571469	-.030426	.0048955	114.5986	.7045732
Stddev	.0031607	.0018605	.0020924	.002322	.0004241	.3083	.0016122
%RSD	3.670169	11.91888	.8137019	7.631897	8.663662	.2690620	.2288228

#1	.0842448	.0157535	.2566179	-.029805	.0045333	114.7702	.7028094
#2	.0843441	.0173947	.2553697	-.028478	.0047912	114.7829	.7059709
#3	.0897683	.0136819	.2594530	-.032996	.0053621	114.2426	.7049393

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066426	.0015084	10.41876	.2134195	.0890980	.1045328	251.9460
Stddev	.0001482	.0000584	.04215	.0004988	.0006498	.0024336	2.1664
%RSD	2.230755	3.871617	.4045707	.2336975	.7292876	2.328101	.8598696

#1	.0066557	.0014771	10.42850	.2128467	.0893619	.1066752	253.2190
#2	.0067838	.0014723	10.45519	.2137574	.0883578	.1050364	253.1744
#3	.0064883	.0015758	10.37259	.2136544	.0895743	.1018867	249.4446

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.360598	17.76245	.0875454	-.021053	-.146085	.3804046	.2780307
Stddev	.015639	.09670	.0004975	.000240	.034241	.0035790	.0079444
%RSD	.4653578	.5444303	.5682383	1.141574	23.43926	.9408277	2.857373

#1	3.359818	17.82319	.0880525	-.021113	-.184075	.3764970	.2860516
#2	3.345364	17.81322	.0870582	-.020788	-.136577	.3835233	.2701651
#3	3.376612	17.65093	.0875256	-.021257	-.117603	.3811935	.2778756

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.886615	1.571062	.1004428	.0073530	.5292403	2.220419	.0042026
Stddev	.059568	.003039	.0032440	.0002052	.0051653	.015747	.0018868
%RSD	1.218998	.1934547	3.229659	2.790188	.9759854	.7091962	44.89687

#1	4.908378	1.571138	.1041694	.0075477	.5314556	2.207350	.0028932
#2	4.819225	1.567985	.0989076	.0073726	.5233369	2.237902	.0063653
#3	4.932240	1.574062	.0982513	.0071388	.5329285	2.216005	.0033492

Sample Name: J6178-15 Acquired: 12/5/2018 16:41:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4654684	.0622245	.0715824
Stddev	.0031148	.0010489	.0003288
%RSD	.6691816	1.685586	.4593591

#1	.4632591	.0612993	.0715341
#2	.4690310	.0620102	.0712805
#3	.4641152	.0633639	.0719328

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2462.615	2749.717	53109.37	5299.926	4029.835
Stddev	14.470	1.365	80.34	28.791	5.490
%RSD	.5875948	.0496572	.1512702	.5432355	.1362266

#1	2447.260	2750.366	53018.50	5289.860	4028.429
#2	2475.999	2750.637	53170.95	5277.519	4035.891
#3	2464.585	2748.148	53138.66	5332.399	4025.185

Sample Name: J6178-16 Acquired: 12/5/2018 16:45:14 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1218426	.0164135	2.094492	-.041931	.0041042	73.52291
Stddev	.0025181	.0015934	.006407	.001525	.0013206	.25709
%RSD	2.066641	9.707636	.3058845	3.636657	32.17568	.3496684

#1	.1189418	.0148757	2.096024	-.040296	.0025884	73.46099
#2	.1234648	.0180571	2.087459	-.043315	.0050057	73.30243
#3	.1231212	.0163076	2.099995	-.042182	.0047185	73.80530

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.259706	.0161975	.0048133	13.59355	.4492809	.4441892
Stddev	.006106	.0000672	.0000522	.01347	.0024321	.0009776
%RSD	.4846779	.4148381	1.084341	.0991177	.5413278	.2200861

#1	1.259163	.0161206	.0048725	13.58280	.4509472	.4445086
#2	1.253891	.0162445	.0047742	13.58920	.4464900	.4430919
#3	1.266066	.0162276	.0047931	13.60867	.4504053	.4449672

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2373054	304.8888	F 33.27833	7.136623	.2695361	-.021294
Stddev	.0030561	.9381	.08438	.013186	.0013995	.000503
%RSD	1.287851	.3076882	.2535531	.1847642	.5192261	2.362208

#1	.2353209	305.8673	33.30515	7.145472	.2682470	-.020746
#2	.2357705	304.8021	33.18380	7.121468	.2693365	-.021403
#3	.2408247	303.9971	33.34603	7.142928	.2710246	-.021734

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.083365	.4636291	.3935140	2.844001	2.016404	.1260543
Stddev	.114964	.0062930	.0014358	.041877	.004523	.0026679
%RSD	137.9041	1.357332	.3648735	1.472472	.2242866	2.116488

#1	.032323	.4708674	.3939076	2.841149	2.021524	.1285410
#2	-.197592	.4594553	.3919224	2.803623	2.012953	.1263858
#3	-.084828	.4605648	.3947120	2.887232	2.014735	.1232362

Sample Name: J6178-16 Acquired: 12/5/2018 16:45:14 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0129991	.4617979	1.525541	.0039510	.5796244	.0375219
Stddev	.0003175	.0010513	.002632	.0004736	.0030428	.0011925
%RSD	2.442302	.2276576	.1725217	11.98625	.5249578	3.178155

#1	.0130815	.4610362	1.522504	.0043944	.5762840	.0361723
#2	.0126485	.4629973	1.527152	.0034521	.5803511	.0384333
#3	.0132672	.4613600	1.526967	.0040066	.5822380	.0379602

Elem	Sr4077
Units	ppm
Avg	.0364963
Stddev	.0002534
%RSD	.6943464

#1	.0363047
#2	.0364006
#3	.0367837

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2706.138	3002.099	58374.57	5768.454	4033.523
Stddev	11.045	7.124	164.96	23.578	9.415
%RSD	.4081296	.2372915	.2825813	.4087337	.2334185

#1	2694.646	2995.098	58185.61	5769.571	4026.148
#2	2707.094	3009.339	58448.26	5791.454	4044.128
#3	2716.673	3001.860	58489.82	5744.338	4030.293

Sample Name: J6178-17 Acquired: 12/5/2018 16:49:14 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0765585	.0171103	.4108003	-.035367	.0069052	135.2924	.9162339
Stddev	.0015321	.0027331	.0035739	.000915	.0007587	.3701	.0021859
%RSD	2.001149	15.97317	.8699969	2.587542	10.98673	.2735832	.2385756

#1	.0748255	.0201845	.4141719	-.034361	.0075007	135.7001	.9186518
#2	.0771172	.0149554	.4111755	-.035591	.0060510	135.1997	.9143977
#3	.0777328	.0161910	.4070536	-.036150	.0071638	134.9774	.9156521

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078452	.0015018	25.72099	.2675115	.2715856	.1156295	295.6845
Stddev	.0000672	.0000409	.01459	.0012000	.0002473	.0048707	1.3117
%RSD	.8561715	2.724001	.0567245	.4485602	.0910738	4.212358	.4436173

#1	.0079222	.0014923	25.73784	.2663395	.2717793	.1164720	297.1780
#2	.0078147	.0015467	25.71261	.2674574	.2716706	.1200240	295.1559
#3	.0077988	.0014665	25.71253	.2687376	.2713070	.1103925	294.7195

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.825435	17.69461	.2003135	-.024698	-.195205	.4421458	.2615608
Stddev	.011159	.10124	.0001878	.000534	.061142	.0031296	.0011010
%RSD	.2916964	.5721277	.0937285	2.162926	31.32206	.7078161	.4209485

#1	3.817420	17.81128	.2001104	-.024992	-.265759	.4448961	.2613389
#2	3.820706	17.62997	.2004807	-.025021	-.157689	.4387406	.2605876
#3	3.838180	17.64258	.2003494	-.024082	-.162168	.4428007	.2627559

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.707014	1.660514	.1125865	.0070031	.9593896	1.479613	.0044134
Stddev	.028481	.003512	.0119825	.0003266	.0038306	.005103	.0011120
%RSD	.4990506	.2114857	10.64290	4.663089	.3992701	.3449102	25.19644

#1	5.677445	1.657674	.1257695	.0068885	.9583213	1.478831	.0035138
#2	5.709330	1.664441	.1096330	.0067493	.9562067	1.485063	.0040697
#3	5.734265	1.659427	.1023569	.0073715	.9636410	1.474947	.0056567

Sample Name: J6178-17 Acquired: 12/5/2018 16:49:14 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADL5 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3184484	.0599968	.0541366
Stddev	.0010003	.0018941	.0002372
%RSD	.3141083	3.156965	.4380951

#1	.3182323	.0621310	.0543734
#2	.3175739	.0593439	.0541374
#3	.3195391	.0585156	.0538991

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2387.723	2662.679	51615.08	5130.442	3991.145
Stddev	2.857	5.541	125.40	36.840	10.927
%RSD	.1196499	.2081154	.2429454	.7180667	.2737793

#1	2390.981	2659.689	51753.87	5169.106	3982.566
#2	2385.645	2659.275	51581.42	5095.747	3987.423
#3	2386.543	2669.073	51509.95	5126.475	4003.447

Sample Name: J6178-18 Acquired: 12/5/2018 16:53:15 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1269772	.0177111	2.239337	-.051426	.0075885	89.18548
Stddev	.0023328	.0021438	.008818	.004290	.0015048	.36181
%RSD	1.837183	12.10416	.3937580	8.342733	19.82978	.4056876

#1	.1261245	.0193361	2.249517	-.053592	.0063729	89.17276
#2	.1296163	.0185159	2.234405	-.054201	.0071211	89.55348
#3	.1251907	.0152814	2.234090	-.046484	.0092715	88.83019

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.432076	.0131772	.0060132	23.29556	.2458518	.5102978
Stddev	.002959	.0001494	.0001682	.08507	.0007911	.0012438
%RSD	.2066581	1.133758	2.797770	.3651870	.3217720	.2437302

#1	1.431491	.0132277	.0059342	23.20769	.2449408	.5113922
#2	1.435285	.0132948	.0058991	23.37753	.2463660	.5089452
#3	1.429453	.0130091	.0062064	23.30145	.2462485	.5105559

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2958491	364.4549	F 31.77187	12.25960	.5141822	-.025707
Stddev	.0040057	2.7232	.11881	.08108	.0010714	.000749
%RSD	1.353966	.7472044	.3739507	.6613667	.2083650	2.913110

#1	.2993035	364.2822	31.76009	12.31744	.5154104	-.024937
#2	.2967856	367.2604	31.65939	12.29444	.5136966	-.025749
#3	.2914581	361.8222	31.89614	12.16692	.5134396	-.026433

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057365	.5020811	.7460117	4.118391	1.683749	.1321556
Stddev	.1470764	.0050651	.0221442	.064627	.004534	.0069912
%RSD	2563.878	1.008822	2.968344	1.569225	.2692858	5.290162

#1	.1260792	.5056209	.7701777	4.049363	1.687917	.1265704
#2	-.158212	.5043433	.7411655	4.128350	1.684410	.1399961
#3	.049342	.4962792	.7266920	4.177461	1.678921	.1299002

Sample Name: J6178-18 Acquired: 12/5/2018 16:53:15 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091047	.9924993	2.962550	.0083916	.5457566	.0377941
Stddev	.0002158	.0037250	.018472	.0005895	.0031295	.0010652
%RSD	2.370367	.3753192	.6235313	7.024964	.5734261	2.818447

#1	.0089074	.9888616	2.969317	.0079070	.5474246	.0385523
#2	.0093352	.9963060	2.941648	.0082200	.5476987	.0382537
#3	.0090716	.9923304	2.976684	.0090479	.5421464	.0365762

Elem	Sr4077
Units	ppm
Avg	.0602874
Stddev	.0001407
%RSD	.2334518

#1	.0601593
#2	.0602649
#3	.0604381

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2601.730	2863.736	55964.66	5509.191	3995.290
Stddev	11.119	8.234	190.30	31.648	8.176
%RSD	.4273832	.2875167	.3400317	.5744505	.2046396

#1	2593.731	2854.580	55951.61	5500.369	3986.585
#2	2614.427	2866.096	55781.22	5544.313	3996.476
#3	2597.031	2870.532	56161.14	5482.890	4002.808

Sample Name: J6178-19 Acquired: 12/5/2018 16:57:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1411373	.0177494	1.721632	-.054058	.0065210	91.64603	1.183211
Stddev	.0031974	.0010983	.005496	.000473	.0007018	.15148	.001249
%RSD	2.265463	6.187666	.3192438	.8753766	10.76187	.1652888	.1055457

#1	.1393117	.0183367	1.716053	-.054484	.0057276	91.82092	1.181793
#2	.1392709	.0164824	1.721802	-.053549	.0070604	91.56078	1.183690
#3	.1448293	.0184292	1.727042	-.054140	.0067751	91.55638	1.184149

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0144423	.0046519	24.57546	.4339805	.7450364	.3986526	387.0114
Stddev	.0000620	.0001535	.03450	.0003139	.0017042	.0027308	2.2278
%RSD	.4292479	3.300389	.1403975	.0723361	.2287441	.6850131	.5756439

#1	.0145131	.0045364	24.55449	.4336240	.7454498	.4014819	388.6797
#2	.0143978	.0045932	24.61528	.4341017	.7431635	.3960322	387.8731
#3	.0144160	.0048261	24.55660	.4342156	.7464959	.3984436	384.4815

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.07895	11.07624	.8297174	-.031179	-.463756	.5218437	1.057182
Stddev	.06961	.15310	.0018489	.000273	.156123	.0040496	.013709
%RSD	.4075773	1.382229	.2228297	.8744424	33.66490	.7760261	1.296795

#1	17.01352	11.11313	.8296976	-.031133	-.567008	.5230397	1.046315
#2	17.07125	11.20752	.8278785	-.030933	-.540109	.5173307	1.052647
#3	17.15210	10.90807	.8315761	-.031472	-.284151	.5251606	1.072585

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.658990	1.411255	.1559190	.0109673	.6052326	1.366155	.0079875
Stddev	.039900	.004861	.0027624	.0000639	.0071319	.004270	.0008274
%RSD	1.090468	.3444548	1.771675	.5828589	1.178377	.3125410	10.35814

#1	3.626541	1.416719	.1551335	.0109156	.6041629	1.365679	.0087194
#2	3.646890	1.407411	.1589890	.0110388	.6128389	1.362143	.0081532
#3	3.703540	1.409634	.1536344	.0109476	.5986959	1.370643	.0070898

Sample Name: J6178-19 Acquired: 12/5/2018 16:57:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5475851	.0366384	.0495671
Stddev	.0020625	.0009938	.0002382
%RSD	.3766576	2.712455	.4804963

#1	.5461712	.0355415	.0492951
#2	.5499517	.0368948	.0497384
#3	.5466322	.0374789	.0496677

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.368	2840.081	55324.98	5484.943	4004.869
Stddev	13.381	9.072	421.01	25.638	7.634
%RSD	.5230374	.3194246	.7609768	.4674215	.1906204

#1	2561.602	2829.987	55640.17	5458.899	3996.793
#2	2569.836	2847.555	55487.93	5510.154	4011.968
#3	2543.666	2842.701	54846.86	5485.777	4005.845

Sample Name: J6178-20 Acquired: 12/5/2018 17:01:19 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1403280	.0184981	1.610021	-.051898	.0061805	98.92051	1.166513
Stddev	.0019191	.0017766	.002950	.006775	.0009294	.33047	.003800
%RSD	1.367547	9.604054	.1832061	13.05521	15.03831	.3340722	.3257533

#1	.1382649	.0194612	1.610883	-.049733	.0062532	98.90457	1.168719
#2	.1420599	.0164479	1.606737	-.059491	.0052168	98.59830	1.162125
#3	.1406593	.0195852	1.612444	-.046470	.0070714	99.25865	1.168694

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0122688	.0033935	27.51642	.3785082	.3388502	.3038163	377.9560
Stddev	.0000841	.0002703	.10652	.0016802	.0008057	.0034369	1.4552
%RSD	.6853259	7.964393	.3871264	.4439006	.2377817	1.131248	.3850251

#1	.0122368	.0036023	27.63589	.3792628	.3384482	.3068482	378.2360
#2	.0122054	.0034900	27.43134	.3796787	.3383245	.3000826	376.3811
#3	.0123642	.0030882	27.48202	.3765830	.3397778	.3045179	379.2509

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.39684	12.97391	.2745761	-.029562	-.390109	.5358542	.4126752
Stddev	.02360	.07224	.0008312	.000075	.156913	.0034031	.0075017
%RSD	.1356833	.5568294	.3027216	.2546677	40.22283	.6350717	1.817825

#1	17.40081	12.89110	.2746185	-.029508	-.262738	.5351698	.4200397
#2	17.37151	13.00661	.2737245	-.029530	-.342196	.5328453	.4050434
#3	17.41822	13.02402	.2753853	-.029648	-.565392	.5395474	.4129424

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.617068	1.476273	.1407047	.0121976	1.311266	1.718849	.0058334
Stddev	.008460	.001528	.0079556	.0003362	.007651	.004595	.0006392
%RSD	.2339031	.1034955	5.654084	2.755901	.5835106	.2673576	10.95755

#1	3.624150	1.474563	.1319721	.0120945	1.312564	1.720694	.0065161
#2	3.619355	1.477504	.1475402	.0125732	1.303048	1.713618	.0052492
#3	3.607699	1.476752	.1426020	.0119251	1.318185	1.722236	.0057348

Sample Name: J6178-20 Acquired: 12/5/2018 17:01:19 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADL8 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5845002	.0400418	.0395933
Stddev	.0024621	.0020000	.0002024
%RSD	.4212256	4.994725	.5112300

#1	.5825359	.0420312	.0395947
#2	.5837025	.0400628	.0393902
#3	.5872622	.0380314	.0397950

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2412.613	2674.575	52041.42	5153.768	3916.225
Stddev	8.043	1.344	25.03	25.299	2.075
%RSD	.3333825	.0502427	.0481027	.4908759	.0529821

#1	2407.546	2673.097	52043.56	5148.944	3917.566
#2	2408.407	2674.903	52065.32	5181.131	3917.274
#3	2421.888	2675.724	52015.39	5131.229	3913.835

Sample Name: J6178-21 Acquired: 12/5/2018 17:05:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2648299	.0565975	1.338713	-.109327	.0166759	98.90820
Stddev	.0023597	.0054601	.003448	.003626	.0014856	.12330
%RSD	.8910194	9.647194	.2575845	3.316760	8.908701	.1246600

#1	.2644616	.0626762	1.336881	-.106271	.0176163	98.83775
#2	.2626760	.0521093	1.336567	-.108376	.0149632	99.05057
#3	.2673521	.0550069	1.342690	-.113334	.0174481	98.83628

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.658456	.0258337	.0208701	27.43798	.3682303	.6299284
Stddev	.002979	.0000960	.0002180	.10466	.0008754	.0020742
%RSD	.0308456	.3714264	1.044506	.3814384	.2377247	.3292799

#1	9.661874	.0257834	.0207346	27.50703	.3683397	.6277993
#2	9.657083	.0259444	.0207542	27.48935	.3673053	.6300429
#3	9.656410	.0257735	.0211216	27.31756	.3690458	.6319431

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7910208	686.2730	F 107.8740	8.181217	.5909407	-.041638
Stddev	.0023001	3.6034	.7209	.038474	.0003826	.000399
%RSD	.2907807	.5250638	.6682731	.4702767	.0647516	.9583495

#1	.7934079	687.7160	107.0852	8.218991	.5908354	-.041942
#2	.7908355	688.9312	108.4987	8.182581	.5906217	-.041786
#3	.7888188	682.1717	108.0380	8.142079	.5913649	-.041186

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.542293	.8356698	1.187022	3.682338	2.177732	.1988545
Stddev	.095532	.0065327	.009108	.016114	.011675	.0196545
%RSD	17.61639	.7817356	.7673201	.4375996	.5361122	9.883878

#1	-.638390	.8380597	1.177725	3.699972	2.174561	.2207369
#2	-.541152	.8406710	1.195929	3.678664	2.167971	.1931262
#3	-.447336	.8282787	1.187412	3.668378	2.190666	.1827005

Sample Name: J6178-21 Acquired: 12/5/2018 17:05:17 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADL9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206086	.8915888	2.535815	.0102123	.7990101	.1012527
Stddev	.0004077	.0028696	.016514	.0008877	.0012893	.0015386
%RSD	1.978224	.3218537	.6512245	8.692636	.1613643	1.519544

#1	.0208647	.8945859	2.516994	.0091875	.7975750	.1001952
#2	.0201385	.8888664	2.542573	.0107416	.7993843	.1030178
#3	.0208227	.8913142	2.547878	.0107079	.8000709	.1005451

Elem	Sr4077
Units	ppm
Avg	.0937605
Stddev	.0004306
%RSD	.4592956

#1	.0932855
#2	.0941253
#3	.0938709

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2686.282	2979.141	58155.52	5701.015	3897.889
Stddev	13.218	3.134	95.99	36.039	6.151
%RSD	.4920477	.1052002	.1650634	.6321421	.1578117

#1	2675.887	2976.143	58047.05	5741.630	3901.779
#2	2681.800	2982.395	58229.52	5672.861	3901.091
#3	2701.157	2978.884	58189.98	5688.553	3890.797

Sample Name: J6180-01 Acquired: 12/5/2018 17:09:13 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1889726	.0323005	1.747988	-.083059	.0119616	127.1868
Stddev	.0076135	.0029828	.003914	.002876	.0014125	.3039
%RSD	4.028890	9.234518	.2239042	3.462475	11.80819	.2389710

#1	.1825078	.0300486	1.751062	-.079895	.0104705	127.2400
#2	.1973645	.0311694	1.743582	-.085515	.0132794	126.8597
#3	.1870455	.0356834	1.749319	-.083767	.0121350	127.4606

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.286329	.0166587	.0054874	36.65401	.4642806	.4334633
Stddev	.004629	.0000641	.0001391	.04650	.0021790	.0016169
%RSD	.2024541	.3846839	2.535034	.1268639	.4693211	.3730265

#1	2.281001	.0167212	.0056149	36.62503	.4617864	.4344329
#2	2.288635	.0165931	.0055084	36.70765	.4652412	.4343603
#3	2.289353	.0166617	.0053390	36.62935	.4658142	.4315967

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3353214	561.0877	F 32.98685	18.15354	.2231246	-.043702
Stddev	.0013762	1.4479	.22034	.23960	.0001250	.000416
%RSD	.4103971	.2580485	.6679717	1.319863	.0560320	.9526613

#1	.3367169	562.4095	32.89064	18.10798	.2229836	-.043848
#2	.3352819	559.5402	33.23894	17.94000	.2232219	-.044026
#3	.3339654	561.3134	32.83098	18.41266	.2231683	-.043233

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.702210	.7322106	.4706417	5.361291	2.584334	.1676738
Stddev	.211811	.0066721	.0078926	.045337	.007764	.0069292
%RSD	30.16355	.9112274	1.676996	.8456318	.3004107	4.132580

#1	-.502953	.7340714	.4618345	5.407089	2.579628	.1700701
#2	-.679011	.7248056	.4770747	5.360354	2.593295	.1730868
#3	-.924666	.7377548	.4730158	5.316430	2.580080	.1598644

Sample Name: J6180-01 Acquired: 12/5/2018 17:09:13 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0178252	1.318835	7.843292	.0112233	1.036473	.0575054
Stddev	.0000264	.007489	.122232	.0015600	.007415	.0007756
%RSD	.1479238	.5678538	1.558422	13.89928	.7154111	1.348786

#1	.0177961	1.311912	7.964344	.0113970	1.029625	.0583171
#2	.0178475	1.326784	7.719914	.0095837	1.044348	.0574272
#3	.0178320	1.317810	7.845619	.0126891	1.035444	.0567718

Elem	Sr4077
Units	ppm
Avg	.0737283
Stddev	.0004402
%RSD	.5970765

#1	.0735839
#2	.0742226
#3	.0733784

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2510.662	2766.398	53999.66	5247.391	3991.752
Stddev	17.271	2.025	170.30	36.666	4.963
%RSD	.6879063	.0732007	.3153734	.6987414	.1243374

#1	2495.959	2767.764	54120.09	5205.452	3987.924
#2	2506.346	2767.358	53804.82	5263.342	3997.360
#3	2529.682	2764.071	54074.08	5273.379	3989.973

Sample Name: J6180-02 Acquired: 12/5/2018 17:13:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0789209	.0139228	.5509334	-.031054	.0035845	115.7286	1.280475
Stddev	.0032692	.0015454	.0025273	.002446	.0021928	.6884	.003174
%RSD	4.142346	11.09983	.4587270	7.877031	61.17443	.5948803	.2478896

#1	.0776854	.0121519	.5480557	-.033870	.0013151	115.4169	1.281263
#2	.0764495	.0146179	.5527918	-.029458	.0037466	116.5178	1.283180
#3	.0826277	.0149986	.5519529	-.029833	.0056917	115.2511	1.276981

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0102252	.0015526	25.03948	.2021398	.8155717	.1249472	248.2163
Stddev	.0000999	.0002096	.18484	.0011013	.0012801	.0013404	3.0185
%RSD	.9771720	13.50045	.7381935	.5448197	.1569566	1.072738	1.216081

#1	.0102105	.0013913	25.05665	.2030410	.8143271	.1245336	247.0613
#2	.0103316	.0014770	25.21514	.2024662	.8155035	.1238624	251.6417
#3	.0101334	.0017896	24.84666	.2009122	.8168845	.1264456	245.9458

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.731065	16.16864	.8009536	-.019700	-.116869	.4196900	.2570406
Stddev	.018840	.26542	.0013175	.000497	.107625	.0029436	.0021138
%RSD	.1936099	1.641577	.1644866	2.522903	92.08985	.7013709	.8223498

#1	9.731830	16.07295	.8023086	-.020223	-.160387	.4210302	.2592025
#2	9.749511	16.46864	.7996772	-.019235	-.195921	.4217250	.2549785
#3	9.711854	15.96433	.8008749	-.019641	.005700	.4163148	.2569406

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.242948	2.015587	.0871419	.0064385	1.443064	5.966016	.0030636
Stddev	.068921	.007779	.0019512	.0002350	.004901	.139739	.0012010
%RSD	1.314550	.3859579	2.239153	3.650715	.3396105	2.342243	39.20245

#1	5.316924	2.008627	.0851854	.0065456	1.448607	5.983733	.0038623
#2	5.231371	2.014149	.0890878	.0061689	1.441282	6.096051	.0036461
#3	5.180548	2.023985	.0871525	.0066009	1.439304	5.818264	.0016824

Sample Name: J6180-02 Acquired: 12/5/2018 17:13:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5924421	.0461125	.0468448
Stddev	.0072686	.0012823	.0001875
%RSD	1.226879	2.780730	.4003104

#1	.5961948	.0471866	.0466291
#2	.5970672	.0446929	.0469690
#3	.5840642	.0464580	.0469363

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.577	2828.327	54635.63	5366.940	4085.413
Stddev	2.034	1.232	145.64	42.915	6.458
%RSD	.0795020	.0435591	.2665591	.7996250	.1580721

#1	2556.789	2829.749	54618.69	5358.605	4078.086
#2	2558.152	2827.636	54788.99	5328.804	4090.277
#3	2560.790	2827.596	54499.20	5413.412	4087.875

Sample Name: J6180-06 Acquired: 12/5/2018 17:17:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0524802	.0104498	.6167828	-.019614	.0001224	71.43597	1.585021
Stddev	.0019265	.0011763	.0026381	.002326	.0004752	.40454	.003375
%RSD	3.670859	11.25694	.4277147	11.85809	388.0974	.5663021	.2129511

#1	.0514315	.0091944	.6148965	-.022284	.0005622	71.60323	1.588367
#2	.0547036	.0106283	.6156546	-.018034	-.000382	70.97462	1.581617
#3	.0513057	.0115266	.6197974	-.018522	.000187	71.73006	1.585078

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092832	.0014564	18.30855	.1234647	.2778702	.0817214	134.3691
Stddev	.0000370	.0000710	.06784	.0007077	.0001451	.0025039	1.0866
%RSD	.3981512	4.874245	.3705426	.5731682	.0522010	3.063910	.8086436

#1	.0092980	.0014434	18.33694	.1229168	.2777214	.0794515	134.8954
#2	.0092412	.0015329	18.23112	.1232137	.2780111	.0844072	133.1196
#3	.0093105	.0013928	18.35758	.1242637	.2778781	.0813056	135.0924

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.21737	8.978873	.1900033	-.008221	.0087089	.2543823	.2122618
Stddev	.06930	.092470	.0006425	.000066	.1578538	.0074686	.0088592
%RSD	.2984975	1.029864	.3381801	.7978993	1812.558	2.935969	4.173720

#1	23.16772	9.084118	.1893142	-.008175	.1285267	.2460082	.2089926
#2	23.29655	8.910649	.1905860	-.008296	.0677563	.2567846	.2222911
#3	23.18786	8.941852	.1901098	-.008193	-.170156	.2603541	.2055019

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.036234	1.521903	.0525368	.0045564	.7280958	8.088281	.0014438
Stddev	.044175	.004850	.0021062	.0002651	.0030941	.118146	.0010525
%RSD	.8771344	.3187028	4.008983	5.818783	.4249619	1.460703	72.89934

#1	5.041128	1.516730	.0501824	.0048596	.7255126	8.192769	.0025512
#2	4.989816	1.522632	.0542419	.0044411	.7272498	7.960076	.0013237
#3	5.077758	1.526348	.0531861	.0043684	.7315249	8.111998	.0004565

Sample Name: J6180-06 Acquired: 12/5/2018 17:17:10 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADM3 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6436216	.0299326	.0827711
Stddev	.0095205	.0009207	.0003595
%RSD	1.479207	3.075786	.4343680

#1	.6329333	.0307681	.0824110
#2	.6511928	.0289456	.0827722
#3	.6467387	.0300840	.0831300

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2718.144	3013.843	58098.54	5676.233	4143.460
Stddev	23.235	4.462	272.82	60.972	6.496
%RSD	.8548221	.1480635	.4695891	1.074162	.1567851

#1	2724.035	3013.826	57883.32	5648.044	4145.913
#2	2692.530	3009.389	58006.92	5746.199	4136.094
#3	2737.867	3018.314	58405.38	5634.456	4148.372

Sample Name: J6180-07 Acquired: 12/5/2018 17:21:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1682081	.0251880	2.057204	-.065801	.0086092	76.26454
Stddev	.0034779	.0038572	.002047	.003356	.0010655	.77695
%RSD	2.067611	15.31345	.0994883	5.100510	12.37632	1.018752

#1	.1658223	.0209813	2.055088	-.069555	.0093683	75.36911
#2	.1666033	.0285585	2.059173	-.063091	.0090682	76.76025
#3	.1721986	.0260243	2.057352	-.064755	.0073911	76.66425

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.577207	.0198096	.0084315	24.22946	.4639311	.3689328
Stddev	.007504	.0002632	.0001486	.20743	.0018796	.0011155
%RSD	.4757908	1.328389	1.762340	.8561207	.4051451	.3023567

#1	1.569007	.0195058	.0085703	23.99181	.4629611	.3680743
#2	1.583733	.0199694	.0084496	24.37413	.4660975	.3685305
#3	1.578883	.0199535	.0082748	24.32245	.4627346	.3701937

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2725231	433.3871	F 37.92343	8.946242	.3315689	-.032135
Stddev	.0033591	6.0662	.07749	.135483	.0011357	.000696
%RSD	1.232578	1.399718	.2043345	1.514410	.3425255	2.165815

#1	.2686790	426.4003	37.89160	8.790088	.3324518	-.032853
#2	.2739975	436.4473	37.86692	9.032541	.3302877	-.031463
#3	.2748929	437.3136	38.01177	9.016096	.3319671	-.032087

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.340870	.5575776	.5534372	3.000065	2.692973	.1375990
Stddev	.030430	.0073445	.0164409	.025425	.003252	.0142381
%RSD	8.927302	1.317223	2.970694	.8474683	.1207428	10.34752

#1	-.314757	.5491272	.5604582	2.971220	2.695123	.1447837
#2	-.333565	.5611812	.5652020	3.019218	2.694565	.1212000
#3	-.374288	.5624242	.5346515	3.009757	2.689233	.1468131

Sample Name: J6180-07 Acquired: 12/5/2018 17:21:10 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0143572	.7499658	4.799783	.0054799	.8855654	.0378657
Stddev	.0001164	.0023022	.093399	.0005773	.0143749	.0003440
%RSD	.8105535	.3069717	1.945901	10.53417	1.623244	.9085093

#1	.0144902	.7526241	4.697458	.0048180	.8690201	.0382083
#2	.0142738	.7486234	4.880451	.0057431	.8926863	.0375203
#3	.0143077	.7486499	4.821440	.0058788	.8949898	.0378686

Elem	Sr4077
Units	ppm
Avg	.0511361
Stddev	.0002460
%RSD	.4811614

#1	.0509560
#2	.0514164
#3	.0510357

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2982.111	3291.603	64029.20	6243.945	4020.941
Stddev	16.740	1.634	359.32	68.303	1.592
%RSD	.5613340	.0496273	.5611881	1.093907	.0395879

#1	2962.782	3292.772	63616.53	6321.042	4021.709
#2	2991.655	3289.737	64198.26	6190.998	4022.003
#3	2991.896	3292.302	64272.82	6219.795	4019.111

Sample Name: J6180-08 Acquired: 12/5/2018 17:25:05 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1579100	.0192823	4.077723	-.051666	.0077095	73.32548	1.139998
Stddev	.0075983	.0014892	.003315	.002283	.0003369	.35081	.001220
%RSD	4.811763	7.723329	.0812931	4.417869	4.370574	.4784348	.1070371

#1	.1532344	.0176862	4.074039	-.054266	.0074509	72.92302	1.139857
#2	.1538183	.0206346	4.080466	-.049994	.0075870	73.48689	1.138855
#3	.1666772	.0195262	4.078663	-.050737	.0080905	73.56654	1.141283

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0163553	.0057246	15.87935	.3434216	.4660659	.5951002	349.5158
Stddev	.0002328	.0000686	.10765	.0006272	.0001135	.0017777	2.4417
%RSD	1.423555	1.198441	.6779243	.1826273	.0243457	.2987239	.6986041

#1	.0161884	.0057570	15.76232	.3437194	.4659943	.5971035	346.7617
#2	.0162561	.0056458	15.90159	.3427010	.4661967	.5944865	350.3702
#3	.0166213	.0057710	15.97414	.3438444	.4660066	.5937107	351.4156

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.49345	7.410813	.2791527	-.026059	-.424116	.4605918	.4677755
Stddev	.06772	.015313	.0005690	.000389	.196932	.0056345	.0235600
%RSD	.2376861	.2066324	.2038272	1.494610	46.43341	1.223316	5.036605

#1	28.47861	7.395320	.2796952	-.026438	-.650019	.4663483	.4686021
#2	28.43437	7.411181	.2785605	-.025660	-.333701	.4550878	.4909113
#3	28.56736	7.425940	.2792026	-.026079	-.288628	.4603394	.4438131

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.961247	2.253756	.1250974	.0118579	.6500547	5.048815	.0037391
Stddev	.017176	.003856	.0023551	.0002447	.0048729	.065979	.0008539
%RSD	.5800226	.1711034	1.882582	2.063258	.7496138	1.306817	22.83809

#1	2.952083	2.252658	.1254339	.0120958	.6556365	4.972988	.0027600
#2	2.981062	2.250567	.1272661	.0118710	.6466489	5.080341	.0043296
#3	2.950597	2.258042	.1225922	.0116070	.6478789	5.093118	.0041277

Sample Name: J6180-08 Acquired: 12/5/2018 17:25:05 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM5 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7379480	.0283230	.0376559
Stddev	.0070802	.0009611	.0001490
%RSD	.9594427	3.393207	.3956315

#1	.7354161	.0278458	.0375969
#2	.7324818	.0276940	.0375455
#3	.7459460	.0294293	.0378254

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2777.071	3078.965	59020.42	5888.292	4041.305
Stddev	10.210	5.198	15.28	48.336	7.283
%RSD	.3676605	.1688134	.0258889	.8208853	.1802208

#1	2787.518	3076.912	59026.92	5930.166	4036.248
#2	2776.581	3075.107	59002.97	5899.312	4038.013
#3	2767.115	3084.875	59031.38	5835.397	4049.653

Sample Name: J6180-09 Acquired: 12/5/2018 17:29:05 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0994641	.0139013	.3782571	-.030251	.0053188	110.4219	1.032767
Stddev	.0021339	.0019345	.0006044	.000121	.0023575	.5261	.001362
%RSD	2.145451	13.91617	.1597938	.4006392	44.32271	.4764584	.1318553

#1	.0982354	.0146235	.3788785	-.030341	.0055060	109.9427	1.034305
#2	.1019282	.0117096	.3776712	-.030298	.0028734	110.9849	1.031713
#3	.0982288	.0153708	.3782218	-.030113	.0075771	110.3380	1.032284

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095071	.0018013	21.81934	.2158578	.2054068	.1337234	261.9384
Stddev	.0000922	.0000519	.02222	.0005070	.0001284	.0027352	2.2774
%RSD	.9693077	2.879819	.1018194	.2348725	.0625241	2.045396	.8694407

#1	.0094741	.0017556	21.80729	.2153810	.2053889	.1306200	259.6133
#2	.0096113	.0017906	21.80575	.2163904	.2052882	.1357828	264.1649
#3	.0094360	.0018577	21.84498	.2158020	.2055432	.1347674	262.0371

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.321927	17.37417	.2931817	-.021492	-.204400	.4119119	.2745436
Stddev	.019264	.17870	.0017233	.000510	.172412	.0117834	.0158635
%RSD	.3047123	1.028525	.5877802	2.373578	84.35018	2.860662	5.778138

#1	6.330562	17.23562	.2928286	-.022017	-.227712	.3987550	.2588043
#2	6.299856	17.57587	.2950542	-.020998	-.021518	.4214937	.2742981
#3	6.335362	17.31103	.2916623	-.021461	-.363970	.4154871	.2905284

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.153861	2.202795	.0907130	.0088551	.6946811	5.031406	.0046315
Stddev	.035136	.004332	.0028605	.0001896	.0051398	.058451	.0010527
%RSD	.6817486	.1966364	3.153316	2.141348	.7398809	1.161732	22.72982

#1	5.153955	2.204402	.0926144	.0087688	.6951606	5.084605	.0045905
#2	5.188950	2.206094	.0874233	.0090726	.6995644	5.040777	.0057041
#3	5.118678	2.197890	.0921012	.0087241	.6893184	4.968835	.0035999

Sample Name: J6180-09 Acquired: 12/5/2018 17:29:05 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADM6 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.7289096	.0505574	.0437907
Stddev	.0023425	.0007566	.0003483
%RSD	.3213672	1.496594	.7954262

#1	.7302653	.0499047	.0439156
#2	.7302589	.0503809	.0433971
#3	.7262048	.0513867	.0440593

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2506.140	2759.860	53096.81	5238.476	4039.028
Stddev	10.464	6.208	279.83	37.803	8.962
%RSD	.4175374	.2249472	.5270244	.7216351	.2218949

#1	2516.061	2765.468	53357.54	5246.865	4049.189
#2	2495.207	2760.924	52801.15	5197.183	4035.646
#3	2507.151	2753.189	53131.73	5271.379	4032.249

Sample Name: J6180-10 Acquired: 12/5/2018 17:33:06 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1138373	.0171198	.3555977	-.039717	.0059331	142.6376	.9320276
Stddev	.0008690	.0018118	.0015781	.003804	.0009858	.4582	.0011875
%RSD	.7634079	10.58307	.4437876	9.578720	16.61446	.3212438	.1274062

#1	.1135276	.0186948	.3565012	-.039556	.0068057	142.4370	.9324767
#2	.1131655	.0151398	.3565164	-.035996	.0048639	143.1619	.9329250
#3	.1148187	.0175250	.3537755	-.043599	.0061298	142.3140	.9306811

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085654	.0024684	20.24185	.2188907	.1194644	.2321390	305.8692
Stddev	.0001176	.0002437	.04823	.0004749	.0001054	.0012451	1.8277
%RSD	1.372360	9.871248	.2382665	.2169755	.0882056	.5363601	.5975420

#1	.0085325	.0026666	20.28110	.2188179	.1194454	.2312395	304.9571
#2	.0086959	.0021964	20.25644	.2193978	.1195779	.2316174	307.9734
#3	.0084678	.0025422	20.18801	.2184563	.1193698	.2335601	304.6770

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.764887	28.12420	.1325006	-.026089	-.198265	.4064421	.4058857
Stddev	.005882	.26419	.0005055	.000453	.125447	.0060774	.0051824
%RSD	.1234544	.9393529	.3815020	1.738033	63.27275	1.495279	1.276806

#1	4.758851	27.99531	.1319656	-.026049	-.341755	.4034792	.4092045
#2	4.770603	28.42808	.1325660	-.025656	-.109347	.4134328	.3999140
#3	4.765207	27.94919	.1329702	-.026561	-.143691	.4024144	.4085388

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.894892	1.441822	.1188741	.0112245	1.625013	3.868158	.0105309
Stddev	.079212	.005692	.0065329	.0002808	.007221	.030164	.0008594
%RSD	1.343737	.3948083	5.495631	2.501988	.4443836	.7797927	8.160620

#1	5.931843	1.445136	.1117098	.0114913	1.628007	3.890327	.0096457
#2	5.948876	1.435249	.1245016	.0112507	1.630255	3.880338	.0113619
#3	5.803956	1.445081	.1204110	.0109315	1.616776	3.833809	.0105852

Sample Name: J6180-10 Acquired: 12/5/2018 17:33:06 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADM7 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.8297553	.0693992	.0934558
Stddev	.0055787	.0007372	.0001752
%RSD	.6723355	1.062222	.1874110

#1	.8240416	.0694559	.0932536
#2	.8300356	.0701064	.0935539
#3	.8351885	.0686353	.0935599

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2597.315	2892.259	55458.34	5536.098	3948.465
Stddev	6.183	2.967	114.11	15.981	1.973
%RSD	.2380352	.1025674	.2057497	.2886756	.0499624

#1	2603.523	2893.056	55477.33	5527.740	3948.356
#2	2597.264	2894.745	55561.75	5526.029	3946.550
#3	2591.158	2888.975	55335.92	5554.526	3950.491

Sample Name: J6180-11 Acquired: 12/5/2018 17:37:08 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0835259	.0198879	.4530958	-.044904	.0075158	109.0197	1.378292
Stddev	.0030810	.0011753	.0051841	.000305	.0013600	.3599	.002743
%RSD	3.688636	5.909712	1.144155	.6782134	18.09457	.3300841	.1990083

#1	.0829776	.0195165	.4545464	-.044758	.0059578	109.4007	1.381114
#2	.0868442	.0189431	.4574000	-.045254	.0084650	108.6857	1.378124
#3	.0807559	.0212040	.4473408	-.044701	.0081245	108.9726	1.375636

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0098585	.0022146	27.56713	.3735932	.2645318	.1352692	347.5136
Stddev	.0000285	.0000094	.05945	.0006628	.0004285	.0020757	1.4505
%RSD	.2896348	.4221324	.2156516	.1774024	.1620023	1.534504	.4173830

#1	.0098728	.0022039	27.62733	.3743584	.2644423	.1354138	349.1226
#2	.0098256	.0022192	27.56559	.3732168	.2641551	.1372688	346.3065
#3	.0098771	.0022208	27.50846	.3732042	.2649981	.1331249	347.1118

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.51640	14.28991	.0968740	-.026514	-.192372	.6056448	.1836654
Stddev	.03915	.15095	.0002874	.000646	.234312	.0049218	.0083508
%RSD	.1908025	1.056359	.2966221	2.438049	121.8011	.8126608	4.546744

#1	20.51296	14.41406	.0971796	-.025830	.015304	.6103993	.1927646
#2	20.55715	14.33380	.0968330	-.027115	-.446394	.6005712	.1763518
#3	20.47909	14.12188	.0966093	-.026596	-.146027	.6059640	.1818798

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.125245	1.752987	.1280145	.0067866	1.382030	4.464999	.0110364
Stddev	.028006	.004136	.0083378	.0005866	.002521	.048742	.0010723
%RSD	.6788991	.2359468	6.513153	8.643889	.1824204	1.091645	9.716081

#1	4.157099	1.756450	.1210349	.0074368	1.383017	4.513789	.0105140
#2	4.104485	1.748407	.1372473	.0062969	1.379165	4.416306	.0122698
#3	4.114152	1.754104	.1257612	.0066262	1.383908	4.464902	.0103254

Sample Name: J6180-11 Acquired: 12/5/2018 17:37:08 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADM8 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3738107	.0375073	.0720524
Stddev	.0071417	.0008818	.0003134
%RSD	1.910527	2.351101	.4349474

#1	.3777398	.0373702	.0720707
#2	.3655672	.0384497	.0723562
#3	.3781252	.0367021	.0717302

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2486.267	2745.021	52960.00	5196.064	3947.811
Stddev	2.178	2.475	62.44	42.064	5.986
%RSD	.0875931	.0901785	.1179072	.8095355	.1516390

#1	2486.047	2743.364	52889.18	5167.511	3943.097
#2	2484.207	2747.866	53007.14	5244.369	3954.547
#3	2488.546	2743.831	52983.68	5176.313	3945.789

Sample Name: J6180-12 Acquired: 12/5/2018 17:41:11 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0496844	.0102151	.2682333	-.026580	.0031135	110.7308	1.307671
Stddev	.0009663	.0028015	.0013726	.001040	.0006033	.1228	.003063
%RSD	1.944811	27.42549	.5117213	3.913810	19.37624	.1108808	.2342634

#1	.0497266	.0111352	.2678350	-.027533	.0024849	110.7135	1.304645
#2	.0506289	.0070692	.2671039	-.026738	.0036878	110.6176	1.310771
#3	.0486978	.0124409	.2697610	-.025470	.0031677	110.8613	1.307596

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080094	.0009970	20.38527	.2504064	.1642067	.0840777	203.9795
Stddev	.0001560	.0000879	.05237	.0010342	.0006201	.0039807	.7352
%RSD	1.947034	8.811971	.2569088	.4130093	.3776442	4.734564	.3604044

#1	.0079613	.0009999	20.32525	.2510592	.1634926	.0794822	203.9611
#2	.0078831	.0010834	20.42165	.2509460	.1646095	.0864577	203.2538
#3	.0081837	.0009078	20.40892	.2492140	.1645180	.0862933	204.7237

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.54461	11.92533	.0788423	-.015510	-.058235	.3882927	.1854081
Stddev	.05569	.02210	.0010339	.000355	.017051	.0081340	.0037138
%RSD	.5281362	.1853051	1.311374	2.290188	29.27898	2.094806	2.003045

#1	10.50297	11.95069	.0776834	-.015427	-.044497	.3933406	.1842643
#2	10.60787	11.91019	.0796701	-.015204	-.077318	.3926280	.1824008
#3	10.52300	11.91511	.0791734	-.015900	-.052892	.3789094	.1895593

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.210605	1.584404	.0844091	.0047142	3.194253	6.695337	.0028312
Stddev	.084308	.004298	.0009974	.0000748	.005093	.028270	.0008875
%RSD	1.618013	.2712969	1.181584	1.585652	.1594341	.4222299	31.34772

#1	5.123236	1.588782	.0844233	.0047381	3.196478	6.727900	.0018902
#2	5.217103	1.580190	.0834047	.0046305	3.188427	6.677082	.0029501
#3	5.291477	1.584240	.0853993	.0047741	3.197856	6.681028	.0036532

Sample Name: J6180-12 Acquired: 12/5/2018 17:41:11 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: MGADM9 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4485515	.0461653	.0585987
Stddev	.0071489	.0011846	.0003423
%RSD	1.593766	2.566006	.5841771

#1	.4525004	.0449957	.0582850
#2	.4402992	.0461358	.0589638
#3	.4528548	.0473644	.0585472

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2466.642	2730.519	52610.79	5210.327	3999.328
Stddev	6.459	6.124	62.26	13.039	3.928
%RSD	.2618713	.2242868	.1183450	.2502491	.0982287

#1	2473.839	2729.336	52677.82	5196.917	3999.839
#2	2464.742	2737.149	52554.76	5211.103	4002.977
#3	2461.346	2725.073	52599.81	5222.960	3995.170

Sample Name: J6180-13 Acquired: 12/5/2018 17:45:13 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADN0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1907488	.0251494	4.055089	-.057046	.0054196	69.45876
Stddev	.0071962	.0021476	.008727	.001277	.0007112	.15471
%RSD	3.772596	8.539205	.2152223	2.238932	13.12198	.2227409

#1	.1847077	.0240580	4.050280	-.057723	.0053029	69.43156
#2	.1987104	.0237667	4.049822	-.055573	.0047740	69.62527
#3	.1888282	.0276235	4.065163	-.057842	.0061819	69.31945

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.636666	.0204072	.0068883	24.83411	.5731910	.4423584
Stddev	.002346	.0003260	.0002413	.03778	.0023849	.0004285
%RSD	.1433575	1.597430	3.503395	.1521184	.4160825	.0968638

#1	1.637754	.0207213	.0071327	24.87687	.5758329	.4422851
#2	1.638270	.0204300	.0066501	24.80525	.5711969	.4419712
#3	1.633973	.0200705	.0068822	24.82021	.5725431	.4428187

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4458571	397.8901	F 38.43396	9.810251	.3688394	-.028556
Stddev	.0022296	2.0036	.06458	.069156	.0011115	.000163
%RSD	.5000616	.5035630	.1680259	.7049336	.3013466	.5701393

#1	.4484160	400.1199	38.50700	9.829356	.3688453	-.028549
#2	.4448222	397.3097	38.41046	9.867846	.3677250	-.028396
#3	.4443331	396.2408	38.38442	9.733551	.3699479	-.028722

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.487237	.6026300	.5526997	2.919697	2.397200	.1454071
Stddev	.223399	.0110651	.0239859	.023987	.009365	.0055378
%RSD	45.85016	1.836134	4.339771	.8215485	.3906638	3.808479

#1	-.261604	.6038396	.5405144	2.931284	2.392115	.1471270
#2	-.491775	.5910098	.5372526	2.935690	2.391478	.1392134
#3	-.708334	.6130406	.5803321	2.892117	2.408008	.1498809

Sample Name: J6180-13 Acquired: 12/5/2018 17:45:13 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADN0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174189	.7774823	5.227047	.0051971	.9148806	.0284843
Stddev	.0002437	.0118808	.075805	.0011360	.0012423	.0021152
%RSD	1.398974	1.528107	1.450242	21.85844	.1357888	7.425732

#1	.0176088	.7699457	5.314531	.0045853	.9134526	.0309266
#2	.0171441	.7713233	5.180794	.0065078	.9154763	.0272796
#3	.0175037	.7911779	5.185816	.0044981	.9157127	.0272467

Elem	Sr4077
Units	ppm
Avg	.0523094
Stddev	.0002079
%RSD	.3973744

#1	.0525487
#2	.0521737
#3	.0522058

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2759.763	3056.232	59116.60	5804.121	3979.553
Stddev	7.097	4.417	116.95	45.584	9.808
%RSD	.2571598	.1445334	.1978284	.7853711	.2464615

#1	2767.147	3051.483	59115.55	5793.629	3970.950
#2	2759.151	3060.217	59000.17	5764.697	3990.233
#3	2752.992	3056.997	59234.07	5854.036	3977.476

Sample Name: J6178-06LX5 Acquired: 12/5/2018 17:49:11 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0140869	.0000564	.0937794	-.005208	-.000552	18.88580	.2498913
Stddev	.0007201	.0013404	.0014555	.003345	.000934	.12978	.0012005
%RSD	5.112144	2376.080	1.552014	64.22826	169.2961	.6871627	.4804030

#1	.0148755	-.001429	.0953592	-.007166	-.000552	18.78848	.2490791
#2	.0134642	.000423	.0934861	-.007111	-.001486	19.03315	.2512702
#3	.0139211	.001176	.0924930	-.001346	.000383	18.83578	.2493246

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019165	.0000981	3.472777	.0363135	.1397889	.0260446	38.85842
Stddev	.0000583	.0001380	.015833	.0001907	.0002536	.0037225	.22615
%RSD	3.043704	140.6350	.4559208	.5251880	.1814047	14.29294	.5819768

#1	.0019286	.0001634	3.454929	.0364803	.1395523	.0237544	38.69749
#2	.0019678	.0001914	3.485130	.0363546	.1400566	.0303399	39.11699
#3	.0018530	-.000060	3.478273	.0361056	.1397580	.0240397	38.76080

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.072083	2.398933	.1199549	-.003176	-.113358	.0684208	.0523939
Stddev	.014074	.065394	.0002139	.000007	.228894	.0086732	.0103600
%RSD	.6792355	2.725978	.1783249	.2175185	201.9217	12.67629	19.77323

#1	2.066835	2.385566	.1200648	-.003168	-.194016	.0635479	.0563765
#2	2.061387	2.341255	.1200915	-.003178	.144946	.0784346	.0406336
#3	2.088028	2.469978	.1197083	-.003181	-.291004	.0632800	.0601715

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9650627	.3301598	.0130972	.0011786	.1350309	.3635438	-.002533
Stddev	.0819005	.0015770	.0004444	.0000788	.0015281	.0102691	.001220
%RSD	8.486548	.4776484	3.393306	6.684221	1.131685	2.824727	48.17332

#1	.9356157	.3318616	.0135107	.0012679	.1346824	.3537080	-.003713
#2	.9019572	.3287478	.0131537	.0011488	.1367032	.3741973	-.002609
#3	1.057615	.3298700	.0126273	.0011190	.1337072	.3627259	-.001276

Sample Name: J6178-06LX5 Acquired: 12/5/2018 17:49:11 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADK6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0987903	.0051276	.0084776
Stddev	.0025396	.0007059	.0000639
%RSD	2.570702	13.76580	.7536246

#1	.1011263	.0058372	.0085513
#2	.0960871	.0051202	.0084427
#3	.0991574	.0044255	.0084388

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2322.535	2594.275	49227.09	4839.700	4062.741
Stddev	13.332	6.707	186.94	33.192	15.620
%RSD	.5740341	.2585367	.3797547	.6858178	.3844636

#1	2317.181	2586.846	49060.76	4861.280	4045.203
#2	2337.712	2599.886	49429.41	4801.480	4067.864
#3	2312.712	2596.092	49191.08	4856.340	4075.156

Sample Name: J6180-03A Acquired: 12/5/2018 17:53:16 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2112022	.0103333	1.419588	-.027966	.0035325	84.53784	.7963130
Stddev	.0066013	.0009131	.005623	.000387	.0004676	.03116	.0036263
%RSD	3.125582	8.836191	.3960928	1.383093	13.23621	.0368627	.4553816

#1	.2186619	.0097145	1.425615	-.028399	.0030127	84.52732	.8000557
#2	.2061151	.0113819	1.418668	-.027655	.0039188	84.51329	.7928157
#3	.2088297	.0099033	1.414483	-.027845	.0036661	84.57290	.7960676

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062090	.0011109	25.71480	.2062533	.2008677	.1349981	218.2816
Stddev	.0000589	.0001341	.06932	.0006469	.0002780	.0022024	.3055
%RSD	.9488046	12.07462	.2695842	.3136169	.1384151	1.631404	.1399757

#1	.0061724	.0011755	25.77664	.2062407	.2011666	.1324621	217.9814
#2	.0061778	.0009567	25.63986	.2056128	.2008198	.1364303	218.2712
#3	.0062770	.0012006	25.72789	.2069063	.2006167	.1361019	218.5922

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.410756	14.08887	.2127910	-.017561	-.249602	.3804895	.1701451
Stddev	.004152	.08880	.0013229	.000409	.133768	.0068929	.0109959
%RSD	.2942866	.6302946	.6216846	2.328203	53.59267	1.811582	6.462658

#1	1.412160	14.06458	.2140213	-.017178	-.177344	.3726046	.1765009
#2	1.406084	14.01474	.2113918	-.017514	-.403960	.3853717	.1574482
#3	1.414023	14.18728	.2129598	-.017992	-.167502	.3834922	.1764863

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.569617	.9022289	.0842949	.0056469	1.151646	5.394879	.0019037
Stddev	.007902	.0016470	.0018596	.0002067	.006143	.098319	.0010283
%RSD	.3075009	.1825483	2.206065	3.660286	.5333796	1.822451	54.01496

#1	2.564588	.9003271	.0823959	.0056489	1.158398	5.349571	.0023479
#2	2.578725	.9031746	.0861124	.0054392	1.146390	5.327384	.0007280
#3	2.565539	.9031851	.0843763	.0058525	1.150149	5.507683	.0026351

Sample Name: J6180-03A Acquired: 12/5/2018 17:53:16 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: MGADM2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4558020	.0304077	.0473784
Stddev	.0060043	.0015092	.0003677
%RSD	1.317306	4.963130	.7761708

#1	.4548213	.0308994	.0477542
#2	.4622363	.0287139	.0470192
#3	.4503484	.0316096	.0473616

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2482.952	2728.910	52379.06	5147.098	3984.898
Stddev	19.908	5.635	274.72	12.137	.590
%RSD	.8017754	.2064989	.5244878	.2358016	.0148035

#1	2502.149	2734.033	52685.08	5159.060	3985.505
#2	2462.403	2722.874	52153.69	5147.441	3984.326
#3	2484.303	2729.823	52298.41	5134.793	3984.865

Sample Name: CCV034 Acquired: 12/5/2018 17:58:11 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV034 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.913564	4.912341	24.61746	4.720875	4.881598	417.1796
Stddev	.016794	.009131	.02952	.004527	.011295	3.4448
%RSD	.3417929	.1858767	.1199265	.0958859	.2313745	.8257266

#1	4.902516	4.917275	24.62648	4.722552	4.874318	420.6269
#2	4.905287	4.901805	24.58448	4.715749	4.875866	417.1745
#3	4.932891	4.917943	24.64142	4.724324	4.894609	413.7373

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.981381	.5066402	2.467869	402.1356	15.25725	2.518004
Stddev	.067399	.0055894	.002883	2.0623	.03130	.001948
%RSD	.6752500	1.103226	.1168151	.5128300	.2051484	.0773648

#1	10.05762	.5120766	2.470662	404.4574	15.28690	2.517397
#2	9.95680	.5069344	2.464904	400.5167	15.22453	2.516431
#3	9.92972	.5009095	2.468042	401.4325	15.26033	2.520183

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.17995	427.0019	14.82532	418.6064	2.492636	1.228267
Stddev	.11279	4.1557	.07453	4.6697	.002998	.003044
%RSD	.7430342	.9732365	.5026905	1.115527	.1202578	.2478009

#1	15.30918	430.9098	14.88993	421.9263	2.495554	1.224767
#2	15.12934	427.4597	14.74379	420.6261	2.489565	1.229743
#3	15.10132	422.6363	14.84223	413.2669	2.492789	1.230291

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	412.8171	2.513018	15.05186	152.5102	F 4.332757	5.160853
Stddev	4.3149	.030214	.04598	1.4538	.001656	.044749
%RSD	1.045226	1.202297	.3054567	.9532517	.0382207	.8670806

#1	416.4722	2.537313	15.10493	153.9081	4.332941	5.203275
#2	413.9218	2.522555	15.02407	152.6161	4.331017	5.165191
#3	408.0572	2.479187	15.02659	151.0063	4.334313	5.114093

Sample Name: CCV034 Acquired: 12/5/2018 17:58:11 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCV034 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.795077	F 4.186635	4.999624	4.979529	4.985229	5.206500
Stddev	.007316	.001925	.059898	.012697	.053235	.039876
%RSD	.1525632	.0459891	1.198045	.2549814	1.067851	.7658959

#1	4.792887	4.188202	5.055524	4.983763	5.040879	5.247303
#2	4.789107	4.184486	5.006945	4.965257	4.980016	5.204579
#3	4.803238	4.187216	4.936402	4.989568	4.934793	5.167619

Elem	Sr4077
Units	ppm
Avg	4.930974
Stddev	.036521
%RSD	.7406406

#1	4.970909
#2	4.899273
#3	4.922740

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1990.737	2150.856	45334.53	4520.811	3248.797
Stddev	2.665	3.544	192.96	47.687	4.810
%RSD	.1338908	.1647877	.4256376	1.054835	.1480646

#1	1992.800	2152.285	45222.33	4469.176	3244.171
#2	1991.683	2153.463	45557.34	4530.066	3253.773
#3	1987.728	2146.820	45223.93	4563.193	3248.448

Sample Name: CCB034 Acquired: 12/5/2018 18:01:57 Type: Unk
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
User: BIN Custom ID1: CCB034 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003602	-.001813	.0000262	-.000024	-.001124	-.015769	.0004465
Stddev	.0022364	.002458	.0012866	.000912	.001508	.005262	.0000927
%RSD	620.8482	135.6202	4910.060	3734.499	134.1623	33.36773	20.75949

#1	.0005682	-.000526	.0013825	.000746	-.000289	-.014223	.0004171
#2	.0024854	-.000264	-.000127	.000213	-.000218	-.011453	.0005503
#3	-.001973	-.004647	-.001177	-.001032	-.002866	-.021630	.0003721

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000006	-.000008	-.020728	.0002611	-.000027	.0010664	.0104829
Stddev	.0000370	.000018	.031594	.0006543	.000051	.0015642	.0113910
%RSD	6302.969	211.8820	152.4195	250.5675	187.4332	146.6910	108.6634

#1	.0000231	-.000025	-.015139	-.000033	.000014	.0007708	.0121174
#2	-.000042	.000011	.007698	.001011	-.000011	.0027573	-.001637
#3	.000021	-.000011	-.054744	-.000194	-.000085	-.000329	.020968

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019635	.0042710	.0000115	-.000226	-.105190	-.001808	.0005229
Stddev	.0011677	.0333454	.0000921	.000441	.249754	.001358	.0058784
%RSD	59.47205	780.7455	802.1994	194.5973	237.4325	75.10615	1124.113

#1	.0031232	.0418348	-.000022	.000280	-.282494	-.003353	-.005321
#2	.0007879	-.007187	-.000059	-.000518	-.213513	-.000803	.006436
#3	.0019793	-.021835	.000116	-.000441	.180439	-.001268	.000454

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0557128	-.001553	.0063587	-.000249	-.003566	.0028559	-.002931
Stddev	.0158100	.001346	.0017984	.000296	.001936	.0007191	.000367
%RSD	28.37761	86.63826	28.28262	119.2996	54.29968	25.18053	12.52645

#1	.0384221	.000000	.0083847	-.000053	-.001470	.0022495	-.002535
#2	.0694306	-.002299	.0057404	-.000103	-.005288	.0036505	-.003260
#3	.0592857	-.002361	.0049510	-.000590	-.003940	.0026679	-.002997

Sample Name: CCB034 Acquired: 12/5/2018 18:01:57 Type: Unk
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v739) Mode: CONC Corr. Factor: 1.000000
 User: BIN Custom ID1: CCB034 Custom ID2: Custom ID3:
 Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0016932	.0028116	-.000304
Stddev	.0019626	.0004250	.000113
%RSD	115.9078	15.11525	37.12152

#1	.0001803	.0032146	-.000252
#2	.0039109	.0028526	-.000433
#3	.0009885	.0023676	-.000226

Int. Std.	Y_ 2243	Y_ 2243	Y_ 3600	Y_ 3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2272.437	2546.484	48108.19	4725.147	4050.530
Stddev	9.383	3.312	228.63	13.362	7.184
%RSD	.4129113	.1300663	.4752498	.2827833	.1773715

#1	2263.595	2542.918	48179.63	4712.040	4042.257
#2	2271.436	2549.463	47852.37	4738.750	4054.131
#3	2282.281	2547.070	48292.57	4724.650	4055.201