

WTC samples.
1/16/02

Blk	31218	231	11
5 STD	31250	223 172	✓
IPC + CB	31251	228	SG
LFB + LRB	31252	224	Phy
31020 + Lab Dup + spl	IPC + CB	620	
31021	LFB + LRB	229 172	119
31022	STAT 1188 + Dup + spl	IPC + CB	120
31023	957	LFB SG only	120
31073	31567		120
31074	31569		120
31075	31571		120
31129	31573		120
31130	31582		120
31131	31596		120
IPC + CB	31678		120
31132 + Lab Dup + spl	31679		120
31133	IDC + CB		120
31134	AE00132 + Lab Dup + spl		120
21	125		CC
	126 Diss + Diss Blk		120
	230 + Diss		120

Reviewed by,
CB 3/15/02

Standardization Rpt.

01/16/02 09:19:16 AM

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Method: IECW Standard: STD1-Blank

Run Time: 01/16/02 09:17:33



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.225	3.510	.3625	.2400	.1375	.1800	3.592
SDev	.003	.005	.0076	.0028	.0010	.0000	.005
%RSD	.2448	.1471	2.083	1.179	.7273	.0000	.1464

#1	1.228	3.508	.3680	.2400	.1380	.1800	3.588
#2	1.224	3.516	.3620	.2380	.1380	.1800	3.596
#3	1.222	3.504	.3520	.2440	.1360	.1800	3.588
#4	1.228	3.512	.3680	.2380	.1380	.1800	3.598

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2420	2.218	.8445	.5350	-.0010	5.148	1.158
SDev	.0033	.006	.0077	.0020	.0038	.011	.006
%RSD	1.350	.2851	.9147	.3738	383.0	.2220	.5155

#1	.2460	2.222	.8560	.5380	-.0040	5.162	1.160
#2	.2420	2.216	.8400	.5340	.0000	5.142	1.152
#3	.2380	2.210	.8400	.5340	.0040	5.136	1.156
#4	.2420	2.224	.8420	.5340	-.0040	5.152	1.166

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0815	.1070	1.760	.4465	.6325	.1240	.1070
SDev	.0010	.0026	.018	.0081	.0076	.0043	.0038
%RSD	1.227	2.413	1.022	1.806	1.194	3.484	3.579

#1	.0820	.1100	1.754	.4580	.6400	.1220	.1040
#2	.0820	.1040	1.752	.4400	.6220	.1200	.1120
#3	.0820	.1080	1.786	.4460	.6340	.1240	.1080
#4	.0800	.1060	1.746	.4420	.6340	.1300	.1040

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.213	.1185	.6190	.1335
SDev	.006	.0072	.0011	.0030
%RSD	.4946	6.066	.1865	2.247

#1	1.216	.1240	.6200	.1360
#2	1.216	.1080	.6180	.1320
#3	1.216	.1220	.6200	.1360
#4	1.204	.1200	.6180	.1300

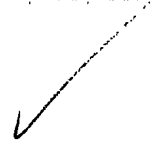
Standardization Rpt.

01/16/02 09:41:53 AM

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Method: IECW Standard: STD6

Run Time: 01/16/02 09:40:29



Elem	Ag3280
Avge	40.59
SDev	.18
%RSD	.4456

#1	40.49
#2	40.86
#3	40.54
#4	40.48

Standardization Rpt.

01/16/02 09:45:41 AM

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Method: IECW Standard: STD3

Run Time: 01/16/02 09:43:58

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	21.34	202.4	11.91	4.727	12.34	13.74	1.228
SDev	.13	2.0	.12	.064	.14	.10	.021
%RSD	.6132	.9812	.9873	1.354	1.135	.7206	1.718

#1	21.20	200.6	11.80	4.652	12.18	13.66	1.200
#2	21.33	202.5	11.94	4.706	12.33	13.77	1.250
#3	21.52	205.1	12.06	4.804	12.52	13.86	1.236
#4	21.30	201.3	11.85	4.744	12.34	13.66	1.226

Elem	Tl1908
Avge	.8845
SDev	.0324
%RSD	3.666

#1	.8500
#2	.8640
#3	.9080
#4	.9160

Standardization Rpt.

01/16/02 09:49:32 AM

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Method: IECW Standard: STD4

Run Time: 01/16/02 09:48:10

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	4.298	33.75	39.69	.7620	4.919
SDev	.027	.09	.13	.0124	.019
%RSD	.6346	.2774	.3201	1.632	.3848
#1	4.322	33.83	39.82	.7520	4.946
#2	4.316	33.73	39.78	.7800	4.920
#3	4.262	33.62	39.56	.7560	4.908
#4	4.292	33.80	39.60	.7600	4.904

Standardization Rpt.

01/16/02 09:52:08 AM

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Method: IECW Standard: STD2

Run Time: 01/16/02 09:50:46



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	27.97	77.89	31.40	106.4	25.37	10.56	6.772
SDev	.03	.17	.12	.3	.04	.02	.019
%RSD	.1128	.2143	.3731	.2807	.1669	.1625	.2878

#1	27.93	77.77	31.37	106.1	25.32	10.56	6.750
#2	28.00	78.13	31.56	106.8	25.42	10.58	6.788
#3	27.95	77.79	31.28	106.3	25.37	10.54	6.788
#4	27.98	77.86	31.39	106.6	25.36	10.55	6.760

Elem	Mn2576	Pb2203	Zn2138
Avge	24.62	4.554	24.00
SDev	.07	.008	.03
%RSD	.2952	.1863	.1097

#1	24.54	4.542	23.97
#2	24.71	4.556	24.03
#3	24.61	4.556	23.98
#4	24.63	4.562	24.02

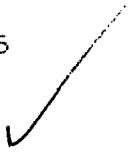
Standardization Rpt.

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Method: IECW Standard: STD5

Run Time: 01/16/02 09:53:41



Elem	V_2924
Avge	28.63
SDev	.03
%RSD	.1217

#1	28.64
#2	28.67
#3	28.62
#4	28.59

Analysis Report

01/16/02 09:58:58 AM

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/16/02 09:57:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5009	1.037	.0117	.9877	1.023	1.001	1.038
SDev	.0025	.010	.0499	.0071	.007	.005	.005
%RSD	.4925	.9694	426.1	.7172	.6472	.5380	.4908

#1	.4995	1.040	<.0000	.9917	1.029	1.003	1.037
#2	.4985	1.033	.0854	.9774	1.014	.9940	1.032
#3	.5016	1.026	<.0000	.9887	1.023	1.001	1.043
#4	.5041	1.050	<.0000	.9929	1.028	1.007	1.042

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.027	1.030	.9912	1.008	1.039	<.0000	.9840
SDev	.003	.004	.0034	.006	.004	.1979	.0178
%RSD	.2860	.3565	.3440	.5740	.3369	23.28	1.811

#1	1.028	1.033	.9909	1.011	1.040	<.0000	.9786
#2	1.023	1.027	.9868	1.001	1.035	<.0000	1.007
#3	1.030	1.027	.9920	1.005	1.038	<.0000	.9857
#4	1.025	1.034	.9951	1.014	1.043	<.0000	.9644

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.024	1.050	1.059	1.043	1.013	.9779	.0481
SDev	.004	.014	.012	.003	.013	.0535	.1256
%RSD	.4283	1.347	1.179	.2980	1.269	5.474	260.9

#1	1.023	1.050	1.043	1.042	1.016	.9779	.0405
#2	1.018	1.050	1.058	1.039	1.016	1.032	<.0000
#3	1.029	1.033	1.062	1.042	1.026	.9961	.1932
#4	1.025	1.067	1.073	1.047	.9956	.9052	.0710

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.065	1.174	.9990	1.036
SDev	.009	.092	.0048	.006
%RSD	.8634	7.807	.4777	.5582

#1	1.075	1.141	.9990	1.032
#2	1.069	1.062	.9940	1.031
#3	1.064	1.272	.9976	1.037
#4	1.053	1.220	1.005	1.043

Analysis Report

01/16/02 10:02:57 AM

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Method: IECW Sample Name: cb

Operator: it

Run Time: 01/16/02 10:01:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0411	.0022	.0002	.0001	<.0000
SDev	.0015	.0051	.0280	.0012	.0006	.0002	.0022
%RSD	51.20	14.78	68.06	54.81	322.5	115.5	38.53

#1	<.0000	<.0000	.0347	.0024	.0009	.0004	<.0000
#2	<.0000	<.0000	.0805	.0006	.0002	.0001	<.0000
#3	<.0000	<.0000	.0144	.0038	.0002	.0001	<.0000
#4	<.0000	<.0000	.0348	.0024	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0022	.0013	<.0000	<.0000
SDev	.0006	.0010	.0008	.0008	.0040	.3112	.0189
%RSD	76.67	26.47	50.58	34.80	312.7	26.95	70.89

#1	.0000	<.0000	<.0000	.0028	.0042	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0020	.0009	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0028	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	.0012	.0042	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0000	.0195	<.0000	.0008	.0014	.0092	<.0000
SDev	.0004	.0106	.0225	.0075	.0029	.0348	.0578
%RSD	22660.	54.36	136.2	989.4	216.9	378.8	253.7

#1	.0002	.0282	.0118	.0117	<.0000	.0001	.0154
#2	.0002	.0065	<.0000	<.0000	<.0000	.0365	<.0000
#3	.0002	.0282	<.0000	<.0000	.0039	<.0000	<.0000
#4	<.0000	.0152	<.0000	<.0000	.0039	.0365	.0154

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.0027	<.0000	<.0000	<.0000
SDev	.0140	.0302	.0006	.0010
%RSD	508.0	467.5	18.12	253.3

#1	<.0000	<.0000	<.0000	.0010
#2	.0190	.0198	<.0000	<.0000
#3	<.0000	.0197	<.0000	<.0000
#4	.0081	<.0000	<.0000	<.0000

Analysis Report

01/16/02 10:09:52 AM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 01/16/02 10:08:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0152	.2258	.1934	.2359	.2436	.0465	.0035
SDev	.0008	.0087	.0739	.0033	.0021	.0003	.0026
%RSD	5.000	3.842	38.20	1.392	.8684	.7572	75.21

#1	.0159	.2381	.0873	.2338	.2415	.0462	.0071
#2	.0159	.2179	.2509	.2374	.2451	.0467	.0012
#3	.0149	.2224	.2356	.2398	.2458	.0469	.0036
#4	.0143	.2246	.1998	.2326	.2422	.0462	.0020

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0998	.0982	.2332	.2414	.2510	<.0000	<.0000
SDev	.0035	.0019	.0044	.0021	.0022	.1726	.0118
%RSD	3.497	1.891	1.883	.8614	.8624	8.917	42.51

#1	.0977	.0989	.2305	.2406	.2502	<.0000	<.0000
#2	.1048	.0979	.2372	.2423	.2536	<.0000	<.0000
#3	.0997	.1002	.2367	.2439	.2519	<.0000	<.0000
#4	.0971	.0958	.2284	.2390	.2485	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2457	.1006	.0141	.2509	.2549	.2172	.2279
SDev	.0018	.0074	.0078	.0143	.0213	.0348	.0899
%RSD	.7353	7.359	55.13	5.678	8.368	16.01	39.44

#1	.2443	.0974	.0226	.2532	.2332	.2262	.1363
#2	.2451	.1104	.0188	.2486	.2485	.1899	.1974
#3	.2483	.1017	.0075	.2682	.2536	.1899	.2279
#4	.2451	.0930	.0075	.2336	.2841	.2626	.3501

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1382	.2297	.0911	.2438
SDev	.0081	.0645	.0016	.0036
%RSD	5.879	28.06	1.736	1.458

#1	.1477	.1770	.0902	.2388
#2	.1314	.1770	.0917	.2446
#3	.1422	.3086	.0931	.2471
#4	.1314	.2560	.0895	.2446

Analysis Report

01/16/02 10:12:12 AM

page 1

Method: IECW Sample Name: lrb
 Run Time: 01/16/02 10:10:26
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	<.0000	.0002	<.0000	.0016
SDev	.0008	.0119	.0348	.0010	.0004	.0000	.0026
%RSD	300.0	136.8	275.1	345.1	199.2	.0000	165.9

#1	<.0000	<.0000	<.0000	.0001	<.0000	<.0000	.0012
#2	.0006	.0053	<.0000	<.0000	.0007	<.0000	.0053
#3	.0001	<.0000	.0346	.0008	.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	.0004

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0021	.0001	<.0000	.0000	<.0000	<.0000
SDev	.0016	.0012	.0016	.0014	.0027	.3826	.0102
%RSD	140.1	56.51	1197.	231.0	75550.	174.5	88.38

#1	<.0000	.0034	<.0000	<.0000	<.0000	<.0000	.0018
#2	.0008	.0016	.0014	.0014	.0000	.2740	<.0000
#3	<.0000	.0026	.0009	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0007	.0004	<.0000	.0034	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0004	<.0000	<.0000	.0023	.0280	.0318	<.0000
SDev	.0004	.0022	.0113	.0069	.0188	.0174	.0353
%RSD	99.69	40.08	120.0	304.6	67.17	54.59	46.21

#1	.0006	<.0000	<.0000	<.0000	.0509	.0454	<.0000
#2	.0006	<.0000	.0075	.0004	.0102	.0454	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0356	.0091	<.0000
#4	.0006	<.0000	<.0000	.0124	.0153	.0273	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.0095	<.0000	<.0000	.0002
SDev	.0070	.0456	.0013	.0016
%RSD	73.68	99.05	365.6	753.7

#1	.0014	<.0000	.0004	.0000
#2	.0176	<.0000	.0011	.0025
#3	.0122	<.0000	<.0000	<.0000
#4	.0068	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 31020

Operator: it

Run Time: 01/16/02 10:37:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0068	<.0000	.0063	.0150	<.0000	7.913
SDev	.0013	.0054	.0470	.0013	.0000	.0000	.085
%RSD	210.5	79.92	243.8	20.88	.0560	.0000	1.074
#1	<.0000	<.0000	<.0000	.0068	.0150	<.0000	7.864
#2	.0005	.0099	.0330	.0050	.0150	<.0000	7.850
#3	<.0000	.0054	.0075	.0056	.0150	<.0000	8.036
#4	<.0000	.0121	<.0000	.0080	.0150	<.0000	7.902
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0001	<.0000	.0058	.0361	<.0000	1.880
SDev	.0016	.0007	.0018	.0010	.0021	.3048	.022
%RSD	1728.	1112.	2354.	17.32	5.879	51.33	1.160
#1	.0001	<.0000	<.0000	.0044	.0357	<.0000	1.889
#2	<.0000	.0010	<.0000	.0060	.0391	<.0000	1.864
#3	.0020	.0003	.0013	.0068	.0340	<.0000	1.907
#4	<.0000	<.0000	.0014	.0060	.0357	<.0000	1.861
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0275	<.0000	8.944	.0033	.0229	<.0000	.0677
SDev	.0004	.0035	.033	.0014	.0158	.0148	.1069
%RSD	1.482	154.0	.3702	43.88	69.19	157.5	157.8
#1	.0273	<.0000	8.956	.0014	.0254	<.0000	.1059
#2	.0273	<.0000	8.905	.0044	.0305	<.0000	.0143
#3	.0273	.0020	8.982	.0029	.0356	<.0000	<.0000
#4	.0282	<.0000	8.931	.0044	<.0000	.0087	.1975
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.043	.0561	.0006	.0024			
SDev	.026	.0663	.0004	.0000			
%RSD	2.472	118.2	66.27	.0436			
#1	1.016	.0692	.0003	.0024			
#2	1.027	.0692	.0003	.0024			
#3	1.060	<.0000	.0010	.0024			
#4	1.071	.1219	.0010	.0024			

Analysis Report

01/16/02 10:43:16 AM

page 1

Method: IECW Sample Name: 31020lab dup

Operator: it

Run Time: 01/16/02 10:41:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avg	.0008	.0222 ⁰⁰⁶⁰	.0481	.0059	.0154 ¹⁵⁰	<.0000	8.082 ⁷⁹¹³
SD	.0015	.0103	.0451	.0011	.0004	.0000	.023
%RSD	200.6	46.46	93.78	19.43	2.704	.0000	.2799
#1	<.0000	.0076	.0891	.0056	.0150	<.0000	8.078
#2	.0020	.0300	.0736	.0068	.0157	<.0000	8.107
#3	.0020	.0289	.0429	.0044	.0157	<.0000	8.053
#4	<.0000	.0222	<.0000	.0068	.0150	<.0000	8.089
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0020	.0026	.0062	.0361 ³⁶¹	<.0000	1.937 ¹⁹⁸⁰
SD	.0008	.0020	.0018	.0004	.0025	.4568	.005
%RSD	845.0	99.16	67.71	6.456	6.983	250.1	.2372
#1	<.0000	<.0000	.0008	.0060	.0373	<.0000	1.942
#2	.0007	.0028	.0029	.0060	.0323	<.0000	1.932
#3	.0001	.0045	.0018	.0068	.0373	.3471	1.935
#4	.0001	.0010	.0049	.0060	.0373	<.0000	1.939
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0280 ²⁷⁵	.0020	8.968 ⁸⁹⁴⁴	.0025	.0304	.0314	.0753
SD	.0004	.0000	.081	.0045	.0000	.0272	.1028
%RSD	1.458	.2707	.9038	178.0	.0841	86.75	136.5
#1	.0282	.0020	9.033	.0014	.0305	.0451	<.0000
#2	.0282	.0020	9.005	.0089	.0304	.0450	.1058
#3	.0273	.0020	8.850	.0014	.0304	.0450	.1974
#4	.0282	.0020	8.982	<.0000	.0304	<.0000	.0448
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	1.077	.0099	.0010	.0030			
SD	.008	.0449	.0015	.0008			
%RSD	.7536	454.0	157.9	26.61			
#1	1.087	<.0000	.0017	.0024			
#2	1.070	<.0000	.0010	.0024			
#3	1.070	.0165	.0024	.0032			
#4	1.081	.0691	<.0000	.0041			

Analysis Report

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Method: IECW Sample Name: 31020spk

Operator: it

Run Time: 01/16/02 10:50:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag ³²⁸⁰	Al ³⁰⁸²	As ¹⁹³⁶	B ²⁴⁹⁶	Ba ⁴⁹³⁴	Be ³¹³⁰	Ca ³¹⁷⁹
Avg	.0213	.2827	.2743	.2625	.2723	.0504	7.892
SDev	.0008	.0033	.0506	.0044	.0015	.0004	.053
%RSD	3.889	1.181	18.44	1.672	.5682	.7057	.6676
#1	.0213	.2818	.3100	.2619	.2737	.0505	7.925
#2	.0213	.2785	.3254	.2655	.2702	.0498	7.815
#3	.0203	.2863	.2283	.2661	.2730	.0506	7.927
#4	.0223	.2841	.2334	.2566	.2723	.0504	7.903
Elem	Cd ²²⁸⁸	Co ²²⁸⁶	Cr ²⁶⁷⁷	Cu ³²⁴⁷	Fe ²⁵⁹⁹	K ⁷⁶⁶⁴	Mn ²⁷⁹⁰
Avg	.1081	.1100	.2545	.2610	.2989	.0913	1.889
SDev	.0012	.0011	.0032	.0020	.0035	.2212	.017
%RSD	1.124	.9762	1.248	.7763	1.157	242.2	.8960
#1	.1073	.1109	.2541	.2614	.3027	.3105	1.900
#2	.1073	.1084	.2510	.2582	.2960	<.0000	1.871
#3	.1098	.1101	.2587	.2630	.2960	<.0000	1.907
#4	.1079	.1103	.2541	.2614	.3010	.2375	1.878
Elem	Mn ²⁵⁷⁶	Mo ²⁰²⁰	Na ⁵⁸⁸⁹	Ni ²³¹⁶	Pb ²²⁰³	Sp ²⁰⁶⁸	Se ¹⁹⁶⁰
Avg	.2908	.1026	8.791	.2692	.2929	.2439	.2039
SDev	.0024	.0054	.044	.0025	.0178	.0210	.0521
%RSD	.8366	5.314	.5019	.9123	6.075	8.597	25.57
#1	.2914	.1102	8.841	.2662	.2992	.2258	.2573
#2	.2873	.1015	8.735	.2692	.2738	.2621	.1352
#3	.2930	.1015	8.784	.2722	.2839	.2621	.2268
#4	.2914	.0972	8.805	.2692	.3145	.2258	.1962
Elem	Si ²⁸⁸¹	Tl ¹⁹⁰⁸	V ²⁹²⁴	Zn ²¹³⁸			
Avg	1.209	.2396	.1030	.2671			
SDev	.010	.0456	.0008	.0014			
%RSD	.8558	19.02	.8010	.5119			
#1	1.211	.2790	.1023	.2671			
#2	1.201	.2527	.1037	.2654			
#3	1.222	.2527	.1023	.2688			
#4	1.200	.1738	.1037	.2671			

Analysis Report

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Method: IECW Sample Name: 31021
 Run Time: 01/16/02 10:52:58
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0076	.0589	.0076	.0089	.0186	.0001	9.874
SDev	.0011	.0083	.0592	.0013	.0004	.0001	.027
%RSD	14.46	14.14	778.1	14.93	1.930	40.00	.2776

#1	.0086	.0600	.0880	.0084	.0184	.0001	9.847
#2	.0061	.0477	<.0000	.0102	.0184	.0001	9.857
#3	.0081	.0600	.0012	.0072	.0191	.0001	9.884
#4	.0076	.0678	<.0000	.0096	.0184	.0002	9.908

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0083	.0069	.0159	.0450	1.498	2.638
SDev	.0006	.0015	.0017	.0004	.0016	.141	.018
%RSD	322.1	18.43	24.79	2.542	3.591	9.446	.6992

#1	.0007	.0098	.0045	.0165	.0454	1.699	2.621
#2	<.0000	.0068	.0066	.0157	.0471	1.443	2.625
#3	.0007	.0072	.0081	.0157	.0437	1.370	2.646
#4	.0000	.0093	.0081	.0157	.0437	1.480	2.660

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0403	.0074	11.19	.0129	.0647	.0448	.1359
SDev	.0007	.0042	.03	.0072	.0355	.0210	.0498
%RSD	1.653	56.24	.2772	55.95	54.97	46.81	36.67

#1	.0411	.0106	11.16	.0223	.1117	.0266	.0748
#2	.0403	.0063	11.24	.0148	.0304	.0630	.1360
#3	.0403	.0020	11.19	.0072	.0456	.0266	.1359
#4	.0395	.0106	11.20	.0072	.0710	.0629	.1969

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.344	.1074	.0061	.0036
SDev	.019	.0818	.0007	.0011
%RSD	1.448	76.18	11.18	30.01

#1	1.329	.2258	.0067	.0023
#2	1.340	.0680	.0067	.0049
#3	1.372	.0416	.0052	.0032
#4	1.334	.0942	.0059	.0040

Analysis Report

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Method: IECW Sample Name: 31022

Run Time: 01/16/02 10:55:10

Operator: it

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0054	.0496	<.0000	.0053	.0152	.0000	6.481
SDev	.0009	.0036	.0421	.0020	.0000	.0001	.032
%RSD	16.43	7.229	86.14	38.66	.0203	200.0	.4863

#1	.0066	.0470	<.0000	.0045	.0152	<.0000	6.446
#2	.0051	.0526	<.0000	.0027	.0152	<.0000	6.522
#3	.0046	.0459	<.0000	.0069	.0152	<.0000	6.479
#4	.0051	.0526	<.0000	.0069	.0152	.0001	6.475

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0012	.0061	.0033	.0125	.0326	.5845	1.390
SDev	.0010	.0007	.0017	.0000	.0041	.3005	.005
%RSD	79.25	10.72	51.92	.0058	12.62	51.41	.3834

#1	.0007	.0053	.0057	.0125	.0376	.9681	1.384
#2	.0001	.0068	.0031	.0125	.0326	.3105	1.395
#3	.0020	.0064	.0021	.0125	.0276	.3836	1.388
#4	.0020	.0060	.0021	.0125	.0326	.6759	1.395

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0260	.0042	7.127	.0102	.0533	.0223	.0907
SDev	.0004	.0025	.073	.0036	.0240	.0174	.1043
%RSD	1.569	59.42	1.023	34.92	45.11	77.85	114.9

#1	.0258	.0020	7.045	.0151	.0711	.0269	.1976
#2	.0266	.0064	7.192	.0076	.0710	.0087	.0755
#3	.0258	.0064	7.184	.0076	.0202	.0087	<.0000
#4	.0258	.0020	7.086	.0106	.0507	.0450	.1365

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.123	.0700	.0035	.0049
SDev	.026	.0859	.0009	.0007
%RSD	2.280	122.8	26.32	13.90

#1	1.158	.0700	.0046	.0041
#2	1.126	.1752	.0039	.0049
#3	1.104	<.0000	.0031	.0058
#4	1.104	.0699	.0024	.0049

Analysis Report

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Method: IECW Sample Name: 31023

Operator: it

Run Time: 01/16/02 11:03:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0064	.0456	.0150	.0069	.0153	.0001	6.577
SDev	.0011	.0075	.0207	.0010	.0004	.0000	.010
%RSD	16.60	16.32	138.0	14.09	2.348	.0000	.1456

#1	.0066	.0560	<.0000	.0069	.0152	.0001	6.592
#2	.0061	.0414	.0329	.0057	.0152	.0001	6.572
#3	.0051	.0392	.0279	.0081	.0152	.0001	6.572
#4	.0076	.0459	.0125	.0069	.0159	.0001	6.573

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0027	.0062	.0056	.0772	.0259	.7946	1.384
SDev	.0005	.0009	.0019	.0008	.0014	.1774	.012
%RSD	19.72	15.34	34.73	.9993	5.301	22.33	.8900

#1	.0027	.0058	.0031	.0778	.0259	.8951	1.388
#2	.0027	.0072	.0078	.0762	.0242	.8951	1.395
#3	.0020	.0068	.0052	.0770	.0276	.5297	1.388
#4	.0033	.0051	.0062	.0778	.0259	.8585	1.366

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0211	.0064	7.476	.0087	.0672	.0360	<.0000
SDev	.0008	.0035	.080	.0086	.0163	.0105	.0808
%RSD	3.706	55.45	1.069	99.45	24.18	29.17	9691.

#1	.0209	.0064	7.454	<.0000	.0812	.0269	<.0000
#2	.0200	.0107	7.581	.0136	.0507	.0451	.0450
#3	.0217	.0064	7.388	.0076	.0558	.0269	<.0000
#4	.0217	.0020	7.481	.0166	.0812	.0450	.0755

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.158	.0239	.0049	.0030
SDev	.020	.0583	.0007	.0017
%RSD	1.749	243.8	14.48	56.80

#1	1.163	.0436	.0053	.0049
#2	1.158	.0963	.0039	.0032
#3	1.180	<.0000	.0053	.0032
#4	1.131	<.0000	.0053	.0007

Analysis Report

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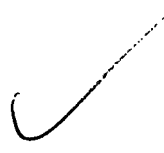
Method: IECW Sample Name: 31073

Operator: it

Run Time: 01/16/02 11:20:16

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0073	.0554	.0085	.0062	.0152	.0001	6.414
SDev	.0013	.0067	.0528	.0009	.0000	.0000	.023
%RSD	18.39	12.06	621.8	14.50	.0191	.0000	.3622

#1	.0061	.0538	<.0000	.0057	.0152	.0001	6.395
#2	.0092	.0537	<.0000	.0069	.0152	.0001	6.447
#3	.0066	.0493	.0737	.0051	.0152	.0001	6.402
#4	.0071	.0650	.0173	.0069	.0152	.0001	6.412

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	.0061	.0053	.0033	.0334	.6850	1.402
SDev	.0008	.0010	.0011	.0005	.0017	.2882	.023
%RSD	90.28	17.09	19.85	14.22	5.024	42.08	1.657

#1	.0007	.0049	.0062	.0029	.0360	.3471	1.402
#2	.0020	.0058	.0047	.0037	.0326	.8220	1.430
#3	.0001	.0064	.0042	.0029	.0326	.5663	1.374
#4	.0007	.0074	.0062	.0037	.0326	1.005	1.402

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0280	.0053	4.425	.0170	.0558	.0541	.0602
SDev	.0004	.0042	.053	.0066	.0181	.0234	.0529
%RSD	1.456	78.46	1.204	38.62	32.42	43.33	87.88

#1	.0282	.0020	4.402	.0226	.0710	.0450	.0449
#2	.0282	.0020	4.413	.0121	.0456	.0268	.1365
#3	.0282	.0107	4.502	.0226	.0355	.0632	.0450
#4	.0274	.0064	4.381	.0106	.0710	.0813	.0144

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9413	.0897	.0049	.0030
SDev	.0089	.0786	.0007	.0008
%RSD	.9420	87.62	14.47	26.39

#1	.9413	.1752	.0053	.0024
#2	.9305	.1225	.0053	.0024
#3	.9414	.0700	.0039	.0033
#4	.9522	<.0000	.0053	.0041

Analysis Report

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Method: IECW Sample Name: 31074

Operator: it

Run Time: 01/16/02 11:28:23

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0156	.0305	<.0000	26.62
SDev	.0011	.0025	.0249	.0011	.0003	.0001	.08
%RSD	16.53	8.617	575.9	7.255	1.163	40.00	.2928

#1	<.0000	<.0000	<.0000	.0163	.0303	<.0000	26.66
#2	<.0000	<.0000	.0200	.0139	.0310	<.0000	26.71
#3	<.0000	<.0000	.0098	.0157	.0303	<.0000	26.53
#4	<.0000	<.0000	<.0000	.0163	.0303	<.0000	26.59

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0761	<.0000	8.826
SDev	.0017	.0013	.0009	.0010	.0008	.1752	.010
%RSD	62.99	29.91	58.49	28.94	1.100	78.18	.1168

#1	<.0000	<.0000	<.0000	<.0000	.0773	<.0000	8.829
#2	<.0000	<.0000	<.0000	<.0000	.0757	<.0000	8.818
#3	<.0000	<.0000	<.0000	<.0000	.0757	<.0000	8.818
#4	<.0000	<.0000	<.0000	<.0000	.0757	.0000	8.840

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0713	.0059	29.11	.0023	<.0000	.0123	.0112
SDev	.0008	.0056	.16	.0060	.0121	.0257	.0923
%RSD	1.094	94.17	.5458	257.0	59.27	208.7	821.9

#1	.0719	<.0000	29.22	<.0000	<.0000	.0123	.0574
#2	.0711	.0124	28.95	.0004	<.0000	.0305	<.0000
#3	.0702	.0038	29.27	.0004	<.0000	<.0000	.0574
#4	.0719	.0081	29.00	.0110	<.0000	.0305	.0574

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.582	.1461	<.0000	<.0000
SDev	.028	.0961	.0007	.0013
%RSD	1.785	65.74	19.84	96.46

#1	1.568	.1929	<.0000	<.0000
#2	1.562	.0058	<.0000	<.0000
#3	1.573	.2197	<.0000	<.0000
#4	1.624	.1662	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 31075

Operator: it

Run Time: 01/16/02 11:30:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0054	<.0000	.0065	.0141	<.0000	6.447
SDev	.0015	.0063	.0519	.0013	.0004	.0000	.029
%RSD	110.4	116.5	107.0	20.39	2.930	.0000	.4502

#1	<.0000	<.0000	<.0000	.0048	.0137	<.0000	6.409
#2	<.0000	.0028	<.0000	.0060	.0137	<.0000	6.449
#3	.0003	.0141	<.0000	.0072	.0144	<.0000	6.479
#4	<.0000	.0051	<.0000	.0078	.0145	<.0000	6.452

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0025	.0006	.0004	.0305	<.0000	1.367
SDev	.0019	.0016	.0011	.0008	.0029	.4108	.017
%RSD	213.0	65.00	180.7	180.3	9.392	61.95	1.249

#1	<.0000	.0017	<.0000	.0000	.0276	<.0000	1.350
#2	<.0000	.0019	.0019	.0000	.0293	<.0000	1.378
#3	<.0000	.0050	.0003	.0017	.0309	<.0000	1.385
#4	.0014	.0015	.0009	.0000	.0343	<.0000	1.357

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0280	.0053	4.400	.0102	<.0000	.0407	.0608
SDev	.0005	.0022	.023	.0088	.0059	.0182	.1151
%RSD	1.680	40.77	.5168	86.39	91.99	44.66	189.2

#1	.0276	.0086	4.424	.0144	<.0000	.0316	.0609
#2	.0284	.0042	4.414	.0053	<.0000	.0316	<.0000
#3	.0276	.0042	4.376	.0204	<.0000	.0679	.2146
#4	.0284	.0042	4.386	.0008	<.0000	.0316	.0301

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8746	<.0000	.0001	.0009
SDev	.0379	.1036	.0009	.0011
%RSD	4.336	66.37	808.9	114.0

#1	.8342	<.0000	<.0000	.0014
#2	.8509	<.0000	.0010	<.0000
#3	.9122	<.0000	.0003	.0005
#4	.9011	<.0000	.0003	.0022

Analysis Report

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Method: IECW Sample Name: 31129

Run Time: 01/16/02 11:33:13

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0056	.0139	<.0000	6.418
SDev	.0009	.0074	.0406	.0019	.0004	.0001	.015
%RSD	29.95	533.2	69.30	34.29	2.583	115.5	.2379
#1	<.0000	<.0000	<.0000	.0042	.0137	<.0000	6.418
#2	<.0000	<.0000	<.0000	.0048	.0137	<.0000	6.437
#3	<.0000	.0096	<.0000	.0084	.0145	<.0000	6.416
#4	<.0000	<.0000	<.0000	.0048	.0137	<.0000	6.400
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0003	<.0000	<.0000	.0297	<.0000	1.358
SDev	.0014	.0017	.0018	.0012	.0025	.3894	.006
%RSD	200.8	635.7	3690.	125.5	8.479	41.70	.4512
#1	.0007	<.0000	.0014	<.0000	.0276	<.0000	1.350
#2	<.0000	.0011	.0014	.0000	.0326	<.0000	1.364
#3	<.0000	.0004	<.0000	.0000	.0276	<.0000	1.357
#4	.0001	.0017	<.0000	<.0000	.0309	<.0000	1.360
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0304	.0075	7.886	.0046	.0026	.0316	<.0000
SDev	.0008	.0022	.060	.0050	.0193	.0257	.0754
%RSD	2.676	28.88	.7601	109.6	755.1	81.36	121.1
#1	.0292	.0042	7.939	<.0000	.0295	<.0000	<.0000
#2	.0309	.0086	7.883	.0113	<.0000	.0498	<.0000
#3	.0309	.0086	7.803	.0038	.0038	.0316	.0301
#4	.0309	.0086	7.919	.0038	<.0000	.0498	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.123	<.0000	<.0000	<.0000			
SDev	.005	.0673	.0008	.0004			
%RSD	.4758	137.1	194.4	432.6			
#1	1.124	<.0000	<.0000	<.0000			
#2	1.119	.0445	.0003	<.0000			
#3	1.119	<.0000	.0003	.0005			
#4	1.130	<.0000	<.0000	<.0000			

Analysis Report

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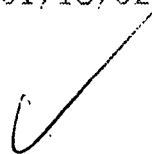
Method: IECW Sample Name: 31130

Run Time: 01/16/02 11:36:25

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0053	.0139	<.0000	6.397
SDev	.0007	.0046	.0260	.0012	.0004	.0001	.007
%RSD	26.07	858.7	114.2	23.30	2.582	115.5	.1155

#1	<.0000	.0028	<.0000	.0042	.0145	<.0000	6.396
#2	<.0000	.0040	<.0000	.0042	.0137	<.0000	6.403
#3	<.0000	<.0000	<.0000	.0060	.0137	<.0000	6.387
#4	<.0000	<.0000	.0094	.0066	.0137	<.0000	6.402

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	.0006	<.0000	<.0000	.0301	<.0000	1.339
SDev	.0026	.0023	.0015	.0007	.0017	.2804	.015
%RSD	2722.	383.7	908.0	86.48	5.588	42.89	1.116

#1	.0014	<.0000	<.0000	<.0000	.0293	<.0000	1.342
#2	.0014	.0021	.0019	.0000	.0293	<.0000	1.335
#3	.0014	<.0000	<.0000	<.0000	.0293	<.0000	1.357
#4	<.0000	.0031	<.0000	<.0000	.0326	<.0000	1.321

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0290	.0053	7.457	.0023	<.0000	.0225	.0455
SDev	.0004	.0042	.030	.0064	.0256	.0105	.1165
%RSD	1.404	77.83	.4015	277.6	249.5	46.65	256.1

#1	.0292	.0086	7.435	.0068	.0090	.0316	.1224
#2	.0284	.0086	7.486	<.0000	<.0000	.0134	.1224
#3	.0292	.0042	7.429	.0068	<.0000	.0134	.0609
#4	.0292	<.0000	7.480	.0023	.0039	.0316	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.106	<.0000	<.0000	.0003
SDev	.012	.1033	.0004	.0013
%RSD	1.118	107.8	146.0	389.4

#1	1.102	<.0000	<.0000	.0022
#2	1.124	<.0000	.0003	<.0000
#3	1.102	<.0000	<.0000	<.0000
#4	1.096	.0445	<.0000	<.0000

Analysis Report

01/16/02 11:42:35 AM

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Method: IECW Sample Name: 31131

Run Time: 01/16/02 11:40:52

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0057	.0139	<.0000	6.511
SDev	.0021	.0136	.0076	.0006	.0004	.0001	.036
%RSD	57.09	322.4	16.62	10.37	2.567	66.67	.5577
#1	<.0000	<.0000	<.0000	.0060	.0137	<.0000	6.460
#2	<.0000	.0062	<.0000	.0060	.0144	<.0000	6.547
#3	<.0000	<.0000	<.0000	.0048	.0137	<.0000	6.517
#4	<.0000	.0051	<.0000	.0060	.0137	<.0000	6.519
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0021	.0268	<.0000	1.324
SDev	.0005	.0019	.0012	.0010	.0010	.3538	.007
%RSD	95.85	86.83	69.68	50.53	3.627	29.14	.5416
#1	<.0000	<.0000	<.0000	.0008	.0276	<.0000	1.328
#2	.0001	<.0000	<.0000	.0025	.0259	<.0000	1.328
#3	<.0000	<.0000	<.0000	.0017	.0259	<.0000	1.314
#4	<.0000	<.0000	<.0000	.0033	.0276	<.0000	1.328
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0243	.0064	8.338	.0064	<.0000	<.0000	.0147
SDev	.0007	.0043	.057	.0067	.0273	.0332	.0178
%RSD	2.736	67.68	.6842	103.4	212.9	698.9	120.7
#1	.0251	.0042	8.299	.0113	<.0000	<.0000	<.0000
#2	.0235	.0042	8.280	.0023	<.0000	<.0000	<.0000
#3	.0243	.0129	8.401	<.0000	.0193	.0135	.0302
#4	.0243	.0042	8.370	.0129	<.0000	.0316	.0301
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.050	<.0000	<.0000	.0005			
SDev	.016	.0900	.0011	.0012			
%RSD	1.525	101.0	52.78	222.6			
#1	1.046	<.0000	<.0000	<.0000			
#2	1.041	.0178	<.0000	.0005			
#3	1.041	<.0000	<.0000	<.0000			
#4	1.074	<.0000	<.0000	.0022			

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/16/02 11:43:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5138	1.095	.0509	1.004	1.032	1.040	1.073
SDev	.0029	.006	.0590	.011	.004	.004	.005
%RSD	.5620	.5081	115.9	1.050	.3618	.4165	.4839
#1	.5119	1.089	<.0000	.9958	1.030	1.037	1.067
#2	.5119	1.102	.0919	.9958	1.030	1.039	1.075
#3	.5134	1.098	.0816	1.009	1.032	1.039	1.070
#4	.5180	1.092	.0663	1.017	1.038	1.047	1.079
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.051	1.063	1.021	1.010	1.055	.1588	1.047
SDev	.009	.006	.002	.005	.011	.2884	.011
%RSD	.8502	.5707	.1667	.5275	1.067	181.6	1.028
#1	1.045	1.058	1.019	1.006	1.046	<.0000	1.056
#2	1.044	1.070	1.020	1.006	1.053	.5604	1.034
#3	1.051	1.058	1.022	1.009	1.049	.1494	1.056
#4	1.064	1.067	1.022	1.017	1.071	.0374	1.041
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.053	1.051	1.066	1.063	1.088	1.055	.0714
SDev	.004	.019	.020	.010	.025	.043	.0957
%RSD	.4265	1.793	1.832	.8966	2.276	4.101	134.0
#1	1.048	1.035	1.043	1.057	1.067	1.028	.1176
#2	1.055	1.035	1.081	1.075	1.083	1.028	.1791
#3	1.050	1.065	1.083	1.054	1.077	1.046	.0252
#4	1.058	1.070	1.056	1.066	1.124	1.119	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.243	1.052	1.023	1.058			
SDev	.011	.167	.005	.002			
%RSD	.8486	15.86	.4573	.2096			
#1	1.259	.8712	1.017	1.057			
#2	1.242	.9514	1.023	1.060			
#3	1.236	1.165	1.022	1.055			
#4	1.236	1.219	1.029	1.059			

Analysis Report

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Method: IECW Sample Name: cb
 Run Time: 01/16/02 11:45:32
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0025	.0118	<.0000	.0043	.0013	.0007	<.0000
SDev	.0015	.0061	.0348	.0015	.0009	.0002	.0025
%RSD	59.72	51.23	223.8	34.73	71.85	25.30	17.99

#1	.0039	.0127	<.0000	.0064	.0022	.0009	<.0000
#2	.0029	.0183	<.0000	.0040	.0014	.0007	<.0000
#3	.0029	.0037	<.0000	.0040	.0014	.0006	<.0000
#4	.0004	.0127	.0255	.0028	.0000	.0005	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0029	.0021	.0046	<.0000	.0934	.0036
SDev	.0011	.0005	.0022	.0010	.0041	.3692	.0123
%RSD	691.7	16.41	105.1	22.45	1284000.	395.3	341.6

#1	<.0000	.0035	.0027	.0058	<.0000	.1868	.0018
#2	<.0000	.0031	.0043	.0050	<.0000	.2815	<.0000
#3	.0008	.0023	.0022	.0042	.0050	.3736	.0161
#4	.0008	.0029	<.0000	.0034	<.0000	<.0000	.0090

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0004	.0347	<.0000	.0060	<.0000	.0409	.0153
SDev	.0005	.0079	.0095	.0026	.0087	.0235	.0397
%RSD	115.4	22.82	152.9	42.73	337.1	57.42	258.8

#1	.0008	.0433	.0072	.0056	<.0000	.0136	.0307
#2	.0000	.0390	<.0000	.0087	.0089	.0681	<.0000
#3	.0008	.0303	<.0000	.0072	<.0000	.0500	<.0000
#4	<.0000	.0260	<.0000	.0026	<.0000	.0318	.0615

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1534	<.0000	.0027	.0010
SDev	.0211	.0736	.0004	.0008
%RSD	13.76	61.19	13.34	80.07

#1	.1394	<.0000	.0032	.0015
#2	.1395	<.0000	.0025	.0015
#3	.1506	<.0000	.0025	<.0000
#4	.1841	<.0000	.0025	.0015

Analysis Report

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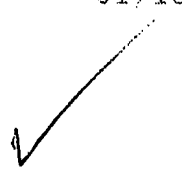
Method: IECW Sample Name: 31132

Operator: it

Run Time: 01/16/02 12:29:54

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0055	.0053	.0144	<.0000	7.347
SDev	.0011	.0030	.0452	.0015	.0000	.0000	.020
%RSD	17.31	12.92	823.5	27.33	.0142	.0000	.2697

#1	<.0000	<.0000	.0299	.0042	.0144	<.0000	7.323
#2	<.0000	<.0000	<.0000	.0041	.0144	<.0000	7.343
#3	<.0000	<.0000	.0452	.0071	.0144	<.0000	7.371
#4	<.0000	<.0000	.0041	.0059	.0144	<.0000	7.351

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0034	.0387	<.0000	1.705
SDev	.0007	.0010	.0018	.0004	.0016	.1330	.009
%RSD	131.0	37.27	52.99	11.70	4.147	6.136	.5257

#1	<.0000	<.0000	<.0000	.0032	.0375	<.0000	1.694
#2	.0001	<.0000	<.0000	.0040	.0375	<.0000	1.715
#3	.0001	<.0000	<.0000	.0032	.0392	<.0000	1.704
#4	<.0000	<.0000	<.0000	.0032	.0408	<.0000	1.708

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0339	.0064	8.574	.0030	<.0000	<.0000	.0377
SDev	.0014	.0043	.064	.0078	.0211	.0273	.0985
%RSD	4.107	67.72	.7419	264.2	61.17	293.1	261.4

#1	.0325	.0042	8.526	.0128	<.0000	<.0000	.1223
#2	.0333	.0042	8.543	<.0000	<.0000	.0316	<.0000
#3	.0357	.0129	8.560	.0052	<.0000	<.0000	<.0000
#4	.0341	.0042	8.667	<.0000	<.0000	<.0000	.1223

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.039	<.0000	<.0000	.0001
SDev	.011	.1203	.0014	.0005
%RSD	1.107	88.13	37.42	501.6

#1	1.029	<.0000	<.0000	<.0000
#2	1.029	<.0000	<.0000	.0005
#3	1.046	<.0000	<.0000	.0005
#4	1.051	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 31132lab dup

Operator: it

Run Time: 01/16/02 12:33:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	.0050	.0144 ¹⁴⁴	<.0000	7.375 ⁷³⁴⁷
SDev	.0008	.0043	.0678	.0014	.0000	.0001	.039
%RSD	15.41	39.18	598.4	28.23	.0323	66.67	.5292

#1	<.0000	<.0000	.0246	.0065	.0144	<.0000	7.324
#2	<.0000	<.0000	<.0000	.0059	.0143	<.0000	7.392
#3	<.0000	<.0000	.0656	.0035	.0143	<.0000	7.415
#4	<.0000	<.0000	<.0000	.0042	.0144	<.0000	7.368

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0010	<.0000	<.0000	.0047 ³⁴	.0392 ³⁸⁷	<.0000	1.706 ¹⁷⁰⁵
SDev	.0015	.0010	.0007	.0010	.0024	.0009	.027
%RSD	147.0	59.76	20.88	21.77	6.069	10.39	1.559

#1	<.0000	<.0000	<.0000	.0032	.0409	<.0000	1.669
#2	.0020	<.0000	<.0000	.0057	.0392	<.0000	1.719
#3	.0001	<.0000	<.0000	.0049	.0408	<.0000	1.730
#4	.0026	<.0000	<.0000	.0049	.0358	<.0000	1.708

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0347 ³³⁹	.0064 ⁶⁴	8.539 ⁸⁵⁷⁴	.0048 ³⁰	<.0000	.0361	.0069
SDev	.0004	.0043	.054	.0042	.0266	.0273	.1017
%RSD	1.170	67.80	.6370	85.59	346.8	75.55	1479.

#1	.0341	.0042	8.578	.0022	<.0000	.0680	<.0000
#2	.0349	.0042	8.547	.0067	.0244	.0134	<.0000
#3	.0349	.0042	8.570	.0007	.0039	.0498	.1530
#4	.0349	.0129	8.459	.0097	<.0000	.0134	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	1.104	<.0000	<.0000	.0003
SDev	.021	.0768	.0000	.0008
%RSD	1.912	92.42	.0469	263.6

#1	1.107	<.0000	<.0000	.0014
#2	1.118	<.0000	<.0000	<.0000
#3	1.118	<.0000	<.0000	<.0000
#4	1.073	.0172	<.0000	.0005

Analysis Report

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Method: IECW Sample Name: 31132spk

Operator: it

Run Time: 01/16/02 12:40:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0184	.2716	.2348	.2714	.2749	.0517	7.302
SDev	.0021	.0185	.0670	.0018	.0021	.0004	.061
%RSD	11.11	6.800	28.53	.6570	.7539	.7075	.8338
#1	.0155	.2451	.2262	.2718	.2746	.0513	7.219
#2	.0186	.2755	.1437	.2718	.2774	.0521	7.350
#3	.0201	.2778	.2770	.2730	.2753	.0518	7.345
#4	.0196	.2879	.2922	.2688	.2724	.0514	7.295
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1086	.1088	.2581	.2650	.3028	<.0000	1.709
SDev	.0015	.0019	.0043	.0015	.0019	.6373	.026
%RSD	1.365	1.720	1.653	.5751	.6381	57.83	1.517
#1	.1073	.1080	.2526	.2628	.3012	<.0000	1.672
#2	.1099	.1107	.2593	.2660	.3045	<.0000	1.715
#3	.1073	.1098	.2629	.2660	.3045	<.0000	1.715
#4	.1099	.1065	.2577	.2652	.3012	<.0000	1.733
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3012	.1145	8.420	.2779	.2620	.2489	.2748
SDev	.0023	.0025	.065	.0079	.0098	.0257	.0435
%RSD	.7770	2.191	.7764	2.833	3.738	10.31	15.82
#1	.2998	.1167	8.406	.2674	.2544	.2126	.2441
#2	.3047	.1124	8.505	.2840	.2748	.2488	.2440
#3	.2998	.1167	8.421	.2840	.2543	.2670	.2748
#4	.3006	.1124	8.347	.2764	.2645	.2670	.3363
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.344	.1769	.1025	.2720			
SDev	.055	.0900	.0026	.0014			
%RSD	4.084	50.88	2.502	.5039			
#1	1.263	.2037	.0988	.2737			
#2	1.363	.0432	.1031	.2703			
#3	1.363	.2304	.1045	.2720			
#4	1.386	.2303	.1038	.2720			

Analysis Report

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Method: IECW Sample Name: 31133

Run Time: 01/16/02 12:43:38

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0189	.0360	.0122	.0227	.0000	16.45
SDev	.0014	.0050	.0300	.0027	.0000	.0001	.02
%RSD	91.25	26.49	83.37	22.09	.0075	115.5	.1225

#1	.0001	.0172	.0680	.0153	.0227	.0001	16.45
#2	<.0000	.0240	.0526	.0087	.0227	<.0000	16.48
#3	<.0000	.0127	.0220	.0123	.0227	.0001	16.44
#4	<.0000	.0217	.0013	.0123	.0227	<.0000	16.43

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0002	.0004	.0155	.1054	<.0000	5.058
SDev	.0012	.0014	.0020	.0008	.0010	.2785	.021
%RSD	299.5	851.4	480.0	5.199	.9242	33.51	.4191

#1	<.0000	<.0000	.0019	.0159	.1045	<.0000	5.086
#2	<.0000	.0005	<.0000	.0159	.1062	<.0000	5.035
#3	.0012	.0016	.0020	.0143	.1062	<.0000	5.050
#4	<.0000	.0001	<.0000	.0159	.1046	<.0000	5.061

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0681	.0137	18.33	.0097	.0192	.0809	.0359
SDev	.0000	.0022	.14	.0029	.0145	.0273	.1017
%RSD	.0015	15.77	.7745	29.88	75.68	33.70	283.4

#1	.0681	.0127	18.48	.0104	.0192	.1037	.0282
#2	.0681	.0170	18.21	.0134	.0294	.0491	<.0000
#3	.0681	.0127	18.42	.0074	.0294	.0673	.1821
#4	.0681	.0126	18.20	.0074	<.0000	.1037	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.540	<.0000	<.0000	.0152
SDev	.019	.0787	.0014	.0008
%RSD	1.232	114.9	316.5	5.275

#1	1.564	<.0000	.0015	.0146
#2	1.547	.0117	<.0000	.0154
#3	1.525	<.0000	<.0000	.0163
#4	1.525	<.0000	<.0000	.0146

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Method: IECW Sample Name: 31134

Operator: it

Run Time: 01/16/02 12:45:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0009	.0220	<.0000	.0054	.0146	.0001	6.467
SDev	.0011	.0133	.0155	.0015	.0004	.0001	.015
%RSD	123.4	60.48	150.9	27.03	2.445	40.00	.2257

#1	.0023	.0333	<.0000	.0036	.0152	.0002	6.482
#2	<.0000	.0074	<.0000	.0048	.0144	.0001	6.468
#3	.0013	.0333	<.0000	.0066	.0145	.0001	6.447
#4	.0003	.0141	.0091	.0066	.0144	.0001	6.469

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	.0013	.0014	.0127	.0326	<.0000	1.357
SDev	.0027	.0012	.0019	.0010	.0024	.2290	.024
%RSD	250.6	94.13	140.7	7.960	7.288	32.70	1.767

#1	.0027	.0027	.0039	.0129	.0343	<.0000	1.378
#2	.0039	.0004	.0009	.0113	.0343	<.0000	1.324
#3	<.0000	.0002	.0014	.0129	.0326	<.0000	1.353
#4	<.0000	.0021	<.0000	.0137	.0293	<.0000	1.371

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0294	.0140	7.575	.0147	.0128	.0588	.0377
SDev	.0008	.0096	.021	.0059	.0113	.0545	.0682
%RSD	2.652	68.71	.2810	40.36	88.89	92.70	180.8

#1	.0300	.0259	7.576	.0128	.0191	.1042	.1223
#2	.0300	.0086	7.587	.0098	.0089	.0316	<.0000
#3	.0284	.0042	7.593	.0128	.0243	.1042	.0607
#4	.0292	.0172	7.545	.0234	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.163	<.0000	.0015	.0018
SDev	.018	.2086	.0007	.0005
%RSD	1.565	8971.	44.38	27.12

#1	1.163	.2316	.0024	.0014
#2	1.163	<.0000	.0017	.0022
#3	1.141	.0177	.0010	.0022
#4	1.186	.0177	.0010	.0014

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Method: IECW Sample Name: 31135

Operator: it

Run Time: 01/16/02 12:48:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0019	.0216	.0368	.0099	.0178	.0001	21.14
SDev	.0012	.0112	.0335	.0008	.0000	.0001	.06
%RSD	61.64	51.65	91.03	7.586	.0387	40.00	.3049

#1	.0011	.0050	<.0000	.0110	.0178	.0001	21.10
#2	.0036	.0287	.0188	.0098	.0178	.0001	21.11
#3	.0021	.0253	.0650	.0092	.0178	.0002	21.13
#4	.0011	.0275	.0649	.0098	.0178	.0001	21.24

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0014	.0034	.0049	.0174	.0187	.0093	9.923
SDev	.0019	.0016	.0026	.0000	.0024	.2428	.028
%RSD	133.2	47.63	52.61	.0100	12.67	2599.	.2820

#1	.0035	.0025	.0063	.0174	.0204	.0374	9.899
#2	<.0000	.0056	.0069	.0174	.0154	.3362	9.899
#3	.0010	.0033	.0053	.0174	.0204	<.0000	9.945
#4	.0022	.0020	.0012	.0174	.0187	<.0000	9.949

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0170	.0091	12.58	.0201	.0371	.0529	.1645
SDev	.0004	.0022	.09	.0038	.0129	.0174	.0589
%RSD	2.401	23.78	.7060	18.72	34.77	32.83	35.80

#1	.0172	.0080	12.53	.0198	.0397	.0303	.1184
#2	.0172	.0080	12.60	.0213	.0499	.0666	.1183
#3	.0172	.0080	12.49	.0152	.0192	.0666	.1798
#4	.0164	.0123	12.69	.0243	.0397	.0484	.2414

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	4.620	.1180	.0024	.0012
SDev	.013	.1077	.0012	.0008
%RSD	.2880	91.33	51.44	64.68

#1	4.639	.0579	.0013	.0019
#2	4.612	.0044	.0042	.0019
#3	4.617	.1647	.0020	.0010
#4	4.611	.2449	.0020	.0002

Analysis Report

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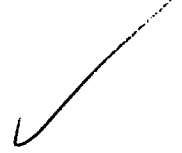
Method: IECW Sample Name: 31216

Operator: it

Run Time: 01/16/02 12:52:07

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0074	.0297	.0050	.0145	.0000	6.374
SDev	.0020	.0115	.0534	.0025	.0000	.0001	.016
%RSD	275.8	156.9	180.0	50.35	.0081	115.5	.2472

#1	<.0000	.0074	<.0000	.0066	.0145	.0001	6.381
#2	<.0000	.0085	<.0000	.0060	.0145	.0001	6.358
#3	<.0000	<.0000	.0555	.0012	.0145	<.0000	6.392
#4	.0023	.0209	.0911	.0060	.0145	<.0000	6.363

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0004	.0002	.0009	.0322	<.0000	1.377
SDev	.0020	.0013	.0015	.0009	.0016	.2262	.017
%RSD	2917.	309.6	732.9	109.4	4.979	19.53	1.247

#1	.0001	.0002	<.0000	.0000	.0309	<.0000	1.364
#2	.0027	<.0000	<.0000	.0017	.0343	<.0000	1.400
#3	<.0000	.0004	<.0000	.0000	.0326	<.0000	1.382
#4	<.0000	.0021	.0024	.0017	.0310	<.0000	1.364

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0319	.0086	4.441	.0151	.0077	.0316	.0454
SDev	.0008	.0050	.032	.0063	.0147	.0149	.1080
%RSD	2.451	58.33	.7307	41.97	191.9	47.09	237.7

#1	.0317	.0042	4.395	.0189	.0192	.0316	<.0000
#2	.0309	.0129	4.443	.0083	<.0000	.0134	.1531
#3	.0325	.0042	4.462	.0113	.0039	.0498	<.0000
#4	.0325	.0129	4.466	.0219	.0192	.0315	.1223

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9025	<.0000	.0014	.0014
SDev	.0106	.0736	.0004	.0007
%RSD	1.170	253.2	30.34	49.95

#1	.9011	.0177	.0010	.0014
#2	.8955	.0444	.0010	.0014
#3	.9178	<.0000	.0017	.0005
#4	.8955	<.0000	.0017	.0022

Analysis Report

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Method: IECW Sample Name: 31217

Run Time: 01/16/02 13:05:14

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0004	.0127	<.0000	.0053	.0143	.0001	6.407
SDev	.0013	.0099	.0210	.0009	.0004	.0000	.015
%RSD	329.4	78.15	96.83	16.95	2.508	.0000	.2403
#1	.0003	.0130	<.0000	.0042	.0145	.0001	6.398
#2	<.0000	.0074	.0092	.0048	.0137	.0001	6.391
#3	<.0000	.0040	<.0000	.0060	.0145	.0001	6.424
#4	.0023	.0265	<.0000	.0060	.0145	.0001	6.415
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0022	.0013	.0023	.0017	.0293	<.0000	1.376
SDev	.0012	.0009	.0021	.0007	.0041	.2994	.017
%RSD	55.79	68.94	91.74	39.73	14.07	26.07	1.213
#1	.0014	.0017	.0039	.0017	.0276	<.0000	1.371
#2	.0039	.0023	.0024	.0017	.0326	<.0000	1.360
#3	.0014	.0007	<.0000	.0008	.0326	<.0000	1.375
#4	.0020	.0004	.0034	.0025	.0242	<.0000	1.400
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0292	.0086	4.412	.0162	.0153	.0134	.0608
SDev	.0007	.0035	.024	.0057	.0231	.0446	.0664
%RSD	2.280	41.24	.5546	35.07	150.2	333.2	109.3
#1	.0300	.0086	4.397	.0219	.0141	<.0000	.1224
#2	.0292	.0042	4.428	.0174	.0141	.0316	<.0000
#3	.0292	.0086	4.437	.0174	<.0000	.0680	.0608
#4	.0284	.0129	4.386	.0083	.0448	<.0000	.0915
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9318	<.0000	.0017	.0020			
SDev	.0190	.0799	.0006	.0013			
%RSD	2.042	96.74	33.94	62.96			
#1	.9290	.0177	.0017	.0030			
#2	.9067	<.0000	.0010	.0030			
#3	.9402	<.0000	.0017	.0005			
#4	.9513	<.0000	.0024	.0014			

Analysis Report

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Method: IECW Sample Name: 31218

Operator: it

Run Time: 01/16/02 13:15:32

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0007	.0127	.0297	.0166	.0310	.0001	26.62
SDev	.0011	.0117	.0341	.0042	.0000	.0000	.13
%RSD	147.6	92.49	114.8	25.37	.0416	.0000	.4989

#1	.0020	.0293	<.0000	.0223	.0310	.0001	26.47
#2	<.0000	.0022	.0760	.0163	.0310	.0001	26.78
#3	.0010	.0079	.0246	.0121	.0310	.0001	26.66
#4	.0005	.0113	.0246	.0157	.0310	.0001	26.57

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0016	.0051	.0009	.0845	.9060	8.856
SDev	.0010	.0011	.0019	.0004	.0016	.3946	.039
%RSD	380.9	70.84	36.35	43.76	1.925	43.56	.4405

#1	<.0000	.0001	.0051	.0011	.0858	1.420	8.815
#2	.0010	.0027	.0040	.0003	.0840	.6351	8.858
#3	<.0000	.0020	.0035	.0011	.0824	.5604	8.908
#4	<.0000	.0016	.0077	.0011	.0857	1.009	8.843

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0837	.0102	29.10	.0178	.0256	.0713	.1341
SDev	.0005	.0043	.17	.0043	.0105	.0375	.0923
%RSD	.5637	42.25	.5955	24.53	41.19	52.57	68.81

#1	.0841	.0124	28.86	.0230	.0396	.1031	.1803
#2	.0841	.0038	29.10	.0125	.0141	.1031	.1803
#3	.0833	.0124	29.26	.0170	.0243	.0304	<.0000
#4	.0833	.0124	29.19	.0185	.0243	.0486	.1803

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.820	.0525	.0017	.0004
SDev	.003	.1639	.0009	.0011
%RSD	.1532	312.4	53.43	286.7

#1	1.819	.1394	.0028	.0002
#2	1.824	<.0000	.0007	<.0000
#3	1.819	.0056	.0014	.0002
#4	1.819	.2196	.0021	.0018

Analysis Report

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page 1

Method: IECW Sample Name: 31250

Operator: it

Run Time: 01/16/02 13:17:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0000	.0164	.0219	.0078	.0146	.0001	6.456
SDev	.0007	.0042	.0336	.0013	.0004	.0000	.029
%RSD	2753.	25.78	153.8	16.48	2.439	.0000	.4518

#1	<.0000	.0107	.0143	.0060	.0144	.0001	6.452
#2	.0003	.0209	<.0000	.0084	.0144	.0001	6.434
#3	<.0000	.0175	.0706	.0078	.0144	.0001	6.440
#4	.0008	.0164	.0090	.0090	.0152	.0001	6.498

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	.0005	.0016	.0017	.0343	<.0000	1.392
SDev	.0022	.0009	.0027	.0007	.0019	.2262	.010
%RSD	244.4	201.5	166.0	39.77	5.646	20.88	.7403

#1	.0007	<.0000	<.0000	.0008	.0326	<.0000	1.378
#2	.0001	<.0000	.0034	.0017	.0360	<.0000	1.403
#3	.0039	.0006	.0019	.0025	.0326	<.0000	1.393
#4	<.0000	.0017	.0034	.0017	.0360	<.0000	1.393

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0341	.0107	7.656	.0113	<.0000	.0361	.0146
SDev	.0007	.0025	.022	.0054	.0147	.0091	.0814
%RSD	1.952	23.30	.2822	47.35	564.6	25.23	556.6

#1	.0341	.0086	7.658	.0189	<.0000	.0497	.1223
#2	.0341	.0129	7.641	.0083	<.0000	.0315	<.0000
#3	.0349	.0086	7.641	.0068	<.0000	.0315	<.0000
#4	.0333	.0129	7.687	.0113	.0192	.0315	.0300

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.140	<.0000	.0017	<.0000
SDev	.028	.1183	.0006	.0004
%RSD	2.443	171.0	33.96	421.2

#1	1.119	.0177	.0017	.0005
#2	1.135	<.0000	.0017	<.0000
#3	1.124	.0444	.0010	<.0000
#4	1.180	<.0000	.0024	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 31251

Operator: it

Run Time: 01/16/02 13:20:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0002	.0116	.0155	.0079	.0143	.0001	6.468
SDev	.0003	.0069	.0260	.0016	.0004	.0001	.022
%RSD	168.6	59.76	167.4	20.69	2.509	66.67	.3345

#1	.0003	.0164	.0244	.0072	.0144	.0001	6.470
#2	<.0000	.0164	.0091	.0060	.0144	.0001	6.468
#3	.0003	.0017	.0451	.0090	.0144	<.0000	6.494
#4	.0003	.0119	<.0000	.0096	.0137	.0001	6.441

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0019	.0000	.0005	.0095	.0385	<.0000	1.368
SDev	.0003	.0006	.0020	.0004	.0022	.2091	.016
%RSD	17.29	2540.	432.7	4.240	5.639	19.30	1.199

#1	.0020	<.0000	.0034	.0097	.0410	<.0000	1.360
#2	.0020	.0007	<.0000	.0097	.0393	<.0000	1.350
#3	.0020	<.0000	<.0000	.0089	.0377	<.0000	1.385
#4	.0014	.0002	<.0000	.0097	.0360	<.0000	1.378

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0349	.0086	7.841	.0170	.0179	.0407	.0147
SDev	.0000	.0035	.037	.0057	.0106	.0457	.1020
%RSD	.0021	41.33	.4668	33.48	59.09	112.5	696.5

#1	.0349	.0086	7.786	.0219	.0192	.1043	.1531
#2	.0349	.0042	7.860	.0113	.0038	.0315	.0300
#3	.0349	.0129	7.858	.0128	.0295	<.0000	<.0000
#4	.0349	.0086	7.858	.0219	.0192	.0316	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.126	<.0000	.0014	.0053
SDev	.008	.0703	.0009	.0013
%RSD	.7456	51.69	67.82	23.51

#1	1.135	<.0000	.0024	.0047
#2	1.130	<.0000	.0003	.0039
#3	1.119	<.0000	.0010	.0064
#4	1.119	<.0000	.0017	.0064

Analysis Report

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page 1

Method: IECW Sample Name: 31252

Operator: it

Run Time: 01/16/02 13:25:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0011	.0261	.0112	.0068	.0156	.0001	7.731
SDev	.0006	.0093	.0377	.0010	.0004	.0000	.031
%RSD	55.75	35.76	337.1	15.17	2.311	.0000	.4052

#1	.0013	.0309	<.0000	.0065	.0158	.0001	7.685
#2	.0013	.0241	.0086	.0083	.0157	.0001	7.754
#3	.0018	.0354	<.0000	.0065	.0157	.0001	7.749
#4	.0003	.0139	.0652	.0059	.0150	.0001	7.736

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0022	.0028	.0021	.0087	.0429	<.0000	1.839
SDev	.0012	.0025	.0022	.0008	.0037	.2668	.016
%RSD	56.35	88.36	102.3	8.889	8.680	33.22	.8501

#1	.0014	.0042	.0016	.0081	.0391	<.0000	1.819
#2	.0039	.0007	.0001	.0089	.0441	<.0000	1.851
#3	.0020	.0057	.0052	.0097	.0475	<.0000	1.834
#4	.0014	.0007	.0016	.0081	.0408	<.0000	1.851

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0379	.0074	8.764	.0123	.0217	.0769	.0451
SDev	.0004	.0022	.068	.0062	.0154	.0348	.0957
%RSD	1.075	29.05	.7707	50.17	70.80	45.26	211.9

#1	.0382	.0085	8.715	.0067	.0294	.1042	.0913
#2	.0382	.0085	8.700	.0203	<.0000	.0314	<.0000
#3	.0382	.0085	8.841	.0142	.0294	.1042	.0605
#4	.0373	.0042	8.799	.0082	.0294	.0678	.1221

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.242	<.0000	.0021	.0009
SDev	.022	.0401	.0015	.0005
%RSD	1.734	48.11	72.45	52.27

#1	1.229	<.0000	.0017	.0005
#2	1.263	<.0000	.0038	.0013
#3	1.257	<.0000	.0024	.0013
#4	1.218	<.0000	.0003	.0005

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/16/02 13:27:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5095	1.091	.0061	1.012	1.018	1.034	1.083
SDev	.0009	.011	.0223	.007	.006	.006	.004
%RSD	.1704	.9934	367.0	.7368	.5604	.5765	.3231

#1	.5084	1.081	.0100	1.001	1.016	1.030	1.081
#2	.5094	1.083	.0151	1.014	1.013	1.029	1.082
#3	.5104	1.094	<.0000	1.015	1.017	1.035	1.082
#4	.5099	1.105	.0251	1.018	1.026	1.042	1.089

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.049	1.063	1.024	1.003	1.062	<.0000	1.054
SDev	.002	.004	.004	.006	.005	.1685	.009
%RSD	.2023	.3590	.3920	.5886	.4896	47.47	.8566

#1	1.050	1.060	1.019	.9995	1.058	<.0000	1.056
#2	1.047	1.061	1.022	.9987	1.059	<.0000	1.056
#3	1.047	1.068	1.027	1.003	1.063	<.0000	1.063
#4	1.051	1.061	1.027	1.012	1.069	<.0000	1.041

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.054	1.015	1.088	1.090	1.095	1.087	.0560
SDev	.006	.013	.010	.015	.027	.069	.0435
%RSD	.5731	1.326	.9118	1.422	2.432	6.312	77.75

#1	1.052	1.009	1.093	1.107	1.113	1.028	.0560
#2	1.049	1.005	1.075	1.069	1.098	1.155	.1176
#3	1.052	1.013	1.085	1.090	1.057	1.028	.0252
#4	1.063	1.035	1.098	1.092	1.113	1.137	.0252

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.274	.9848	1.022	1.037
SDev	.023	.1857	.004	.009
%RSD	1.801	18.86	.3488	.9152

#1	1.259	.8712	1.017	1.036
#2	1.303	1.085	1.022	1.029
#3	1.253	.7910	1.023	1.033
#4	1.281	1.192	1.026	1.051

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 01/16/02 13:37:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0015	.0054	.0206	.0006	.0004	.0001	.0007
%RSD	90.58	63.50	101.1	395.1	201.3	115.5	30.99
#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0006	.0004	<.0000	<.0000
#4	<.0000	<.0000	<.0000	.0000	<.0000	<.0000	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0022	.0022	.0011	.0048	.3784	.0112
%RSD	93.23	100.9	120.5	70.71	582.3	100.8	46.06
#1	.0024	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0000	.0657	<.0000
#3	.0011	<.0000	.0005	<.0000	.0050	<.0000	<.0000
#4	.0011	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0004	.0033	<.0000	.0000	<.0000	<.0000	.0078
SDev	.0000	.0061	.0146	.0101	.0142	.0530	.0888
%RSD	.2639	188.1	74.05	166900.	184.2	105.0	1143.
#1	.0004	.0033	<.0000	.0026	<.0000	<.0000	.1391
#2	.0004	.0119	.0010	.0011	<.0000	<.0000	<.0000
#3	.0004	<.0000	<.0000	<.0000	<.0000	.0138	<.0000
#4	.0004	<.0000	<.0000	.0102	.0090	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	.0067	<.0000	<.0000			
SDev	.0170	.0717	.0006	.0012			
%RSD	47.79	1076.	328.4	283.6			
#1	<.0000	<.0000	<.0000	<.0000			
#2	<.0000	.0331	<.0000	<.0000			
#3	<.0000	.0331	.0005	.0013			
#4	<.0000	.0597	<.0000	<.0000			