

NY samples + ~~8/10/02~~

2/5/02 IT

2/5/02

BIR	555	1389	
5 STD	556	1390	✓
IPC+CB old NYC	557	1391	Sf
307 + Lab Dup + ^{sample + old report} Sf	IPC+CB	1283	1 → 10 Nk ↑
308	LFB+CB	1284	" "
309	966 + Lab Dup + <u>Sf</u>	IPC+CB	27
320	1854		27
327	1167		27
328	1168		
364	1169		✓
365	1170		Sf
462	1171		
463	1172		Dup
IPC+CB	1173		
464 + Lab Dup + <u>Sf</u>	1174		27
466	IPC+CB		276
467	1175		276
468	1176 - Lab Dup + <u>Sf</u>		276
470	1295		
471	1296		CCO
472	1297		

Reviewed by
JB 5/7/02

Standardization Rpt.

02/05/02 09:35:57 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 02/05/02 09:34:14

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.627	4.615	.4200	.3050	.1825	.2270	4.812
SDev	.005	.012	.0135	.0066	.0010	.0020	.024
%RSD	.3234	.2511	3.206	2.175	.5479	.8811	.4941
#1	1.622	4.618	.4120	.3060	.1820	.2240	4.784
#2	1.630	4.628	.4160	.3120	.1840	.2280	4.840
#3	1.622	4.616	.4400	.3060	.1820	.2280	4.804
#4	1.632	4.600	.4120	.2960	.1820	.2280	4.820
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2985	2.879	1.148	.7095	.0355	6.595	1.535
SDev	.0050	.021	.011	.0019	.0041	.010	.011
%RSD	1.675	.7406	.9898	.2699	11.61	.1454	.6845
#1	.2960	2.882	1.138	.7080	.0300	6.582	1.520
#2	.3060	2.864	1.144	.7120	.0400	6.604	1.540
#3	.2960	2.862	1.144	.7080	.0360	6.600	1.534
#4	.2960	2.908	1.164	.7100	.0360	6.594	1.544
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1065	.1290	2.547	.5310	.8140	.1480	.1175
SDev	.0019	.0011	.013	.0087	.0028	.0057	.0060
%RSD	1.798	.8951	.5189	1.642	.3475	3.822	5.083
#1	.1060	.1300	2.532	.5280	.8180	.1520	.1200
#2	.1080	.1280	2.564	.5260	.8120	.1520	.1100
#3	.1040	.1280	2.544	.5260	.8140	.1480	.1160
#4	.1080	.1300	2.548	.5440	.8120	.1400	.1240
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.163	.1450	.8155	.1660			
SDev	.009	.0089	.0010	.0023			
%RSD	.7350	6.117	.1226	1.391			
#1	1.150	.1320	.8160	.1680			
#2	1.168	.1480	.8160	.1640			
#3	1.164	.1520	.8140	.1640			
#4	1.168	.1480	.8160	.1680			

Standardization Rpt.

02/05/02 09:38:30 AM

page .

Method: IECW Standard: STD6
Run Time: 02/05/02 09:37:08

Elem Ag3280
Avge 41.70
SDev .09
%RSD .2218

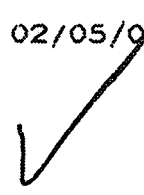
#1 41.68
#2 41.75
#3 41.80
#4 41.59

Standardization Rpt.

02/05/02 10:07:51 AM

page 1

Method: IECW Standard: STD3
Run Time: 02/05/02 10:06:08



Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	22.57	222.1	14.17	5.354	12.23	17.28	1.329
SDev	.07	.6	.05	.018	.05	.04	.009
%RSD	.3042	.2839	.3836	.3443	.3717	.2292	.6548

#1	22.67	223.0	14.24	5.352	12.21	17.33	1.336
#2	22.52	221.9	14.18	5.342	12.29	17.25	1.336
#3	22.58	221.7	14.14	5.340	12.23	17.28	1.322
#4	22.53	221.8	14.11	5.380	12.18	17.25	1.320

Elem	Tl1908
Avge	1.002
SDev	.019
%RSD	1.883

#1	.9880
#2	.9840
#3	1.024
#4	1.010

Standardization Rpt.

02/05/02 10:11:14 AM

page 1

Method: IECW Standard: STD4

Run Time: 02/05/02 10:09:51

Elem.	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	4.260	31.07	47.61	.7610	5.195
SDev	.125	.06	.10	.0155	.007
%RSD	2.941	.1959	.2076	2.030	.1315
#1	4.244	31.12	47.60	.7680	5.204
#2	4.216	30.98	47.48	.7400	5.188
#3	4.142	31.09	47.65	.7600	5.196
#4	4.436	31.10	47.72	.7760	5.192

Standardization Rpt.

02/05/02 10:13:48 AM

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Method: IECW Standard: STD2

Run Time: 02/05/02 10:12:26



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	26.34	109.7	36.72	133.0	23.94	12.19	8.252
SDev	.05	.4	.12	.6	.05	.03	.015
%RSD	.2027	.4006	.3271	.4700	.2160	.2202	.1781

#1	26.40	110.2	36.77	133.6	23.99	12.22	8.264
#2	26.37	109.9	36.86	133.4	23.97	12.21	8.262
#3	26.28	109.5	36.68	132.6	23.87	12.18	8.250
#4	26.32	109.2	36.58	132.3	23.91	12.16	8.232

Elem	Mn2576	Pb2203	Zn2138
Avge	29.07	6.263	26.38
SDev	.11	.052	.06
%RSD	.3635	.8256	.2247

#1	29.18	6.340	26.45
#2	29.14	6.234	26.39
#3	29.02	6.232	26.33
#4	28.95	6.246	26.33

Standardization Rpt.

02/05/02 10:26:17 AM

page 1

Method: IECW Standard: STD5

Run Time: 02/05/02 10:24:55

Elem	V_2924
Avge	31.60
SDev	.05
%RSD	.1605

#1	31.57
#2	31.54
#3	31.62
#4	31.66

Analysis Report

02/05/02 10:33:09 AM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 02/05/02 10:31:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5070	1.041	.0464	.9842	1.006	.9790	1.021
SDev	.0017	.006	.0746	.0086	.005	.0022	.002
%RSD	.3411	.6136	160.7	.8743	.4577	.2201	.2349

#1	.5065	1.050	.0698	.9797	.9997	.9768	1.020
#2	.5055	1.035	.1327	.9927	1.008	.9793	1.021
#3	.5065	1.037	.0282	.9901	1.006	.9781	1.018
#4	.5095	1.041	<.0000	.9745	1.010	.9818	1.024

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.005	1.009	.9926	.9792	1.003	.6987	.9923
SDev	.005	.002	.0017	.0029	.005	.4310	.0137
%RSD	.5172	.2175	.1674	.2907	.4509	61.68	1.376

#1	.9996	1.009	.9916	.9755	1.001	1.236	.9960
#2	1.012	1.010	.9921	.9799	1.001	.2687	.9721
#3	1.005	1.006	.9951	.9790	1.000	.4479	.9990
#4	1.005	1.012	.9916	.9824	1.010	.8421	1.002

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.003	1.000	.9951	1.006	1.007	.9489	<.0000
SDev	.004	.012	.0049	.006	.009	.0379	.0299
%RSD	.3934	1.192	.4925	.6160	.9189	3.992	228.9

#1	.9995	.9868	1.002	1.009	1.005	.9361	.0260
#2	1.003	.9945	.9915	1.009	.9975	.9019	<.0000
#3	1.001	1.006	.9915	.9971	1.005	.9874	<.0000
#4	1.009	1.014	.9957	1.010	1.020	.9703	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.016	1.027	1.011	1.013
SDev	.010	.107	.002	.002
%RSD	1.008	10.44	.1700	.1895

#1	1.027	1.079	1.010	1.014
#2	1.007	1.103	1.011	1.011
#3	1.022	1.056	1.009	1.015
#4	1.007	.8684	1.013	1.014

Analysis Report

02/05/02 10:38:13 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 02/05/02 10:36:27

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0015	<.0000	<.0000	<.0000	<.0000
SDev	.0024	.0090	.0490	.0011	.0004	.0001	.0014
%RSD	127.7	64.50	3265.	19.48	57.81	11.11	37.37

#1	.0002	<.0000	.0537	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0224	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0021	.0020	.0013	.0016	.6309	.0131
%RSD	199.5	57.24	106.1	42.86	51.31	234.8	60.65

#1	.0008	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	.0008	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0002	<.0000	<.0000	.1971	<.0000
#4	.0008	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0079
SDev	.0003	.0073	.0162	.0051	.0074	.0441	.0694
%RSD	50.07	192.0	142.0	67.96	22.25	129.2	880.5

#1	<.0000	<.0000	<.0000	<.0000	<.0000	.0171	<.0000
#2	<.0000	.0019	<.0000	<.0000	<.0000	<.0000	.0627
#3	<.0000	.0019	.0088	<.0000	<.0000	<.0000	.0313
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0314

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0586	<.0000	<.0000
SDev	.0208	.0842	.0014	.0010
%RSD	62.15	143.6	78.60	100.8

#1	<.0000	.0762	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0996	<.0000	.0004
#4	<.0000	.1230	<.0000	<.0000

Analysis Report

02/05/02 10:40:22 AM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 02/05/02 10:38:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0166	.2476	.1768	.2515	.2552	.0484	.0125
SDev	.0013	.0075	.0262	.0016	.0004	.0001	.0013
%RSD	7.519	3.023	14.80	.6337	.1498	.2343	10.15

#1	.0162	.2423	.2017	.2495	.2550	.0484	.0107
#2	.0167	.2546	.1598	.2508	.2550	.0484	.0135
#3	.0182	.2535	.1493	.2528	.2558	.0485	.0126
#4	.0152	.2401	.1965	.2528	.2550	.0482	.0131

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1071	.1037	.2523	.2527	.2551	<.0000	<.0000
SDev	.0023	.0017	.0036	.0010	.0041	.0463	.0099
%RSD	2.115	1.670	1.438	.3937	1.592	6.795	48.93

#1	.1090	.1037	.2486	.2518	.2555	<.0000	<.0000
#2	.1057	.1021	.2542	.2535	.2555	<.0000	<.0000
#3	.1090	.1061	.2564	.2535	.2597	<.0000	<.0000
#4	.1046	.1029	.2499	.2518	.2498	<.0000	<.0000

Elem	Mn2576	Mo2020	Nb5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2588	.0919	.0446	.2485	.2411	.2213	.1866
SDev	.0011	.0066	.0069	.0137	.0129	.0279	.0808
%RSD	.4358	7.227	15.38	5.502	5.345	12.60	43.29

#1	.2588	.0938	.0399	.2578	.2457	.2213	.2180
#2	.2574	.0976	.0440	.2351	.2273	.2554	.2805
#3	.2601	.0938	.0544	.2626	.2347	.2213	.1553
#4	.2588	.0823	.0399	.2387	.2568	.1871	.0928

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2149	.3273	.1007	.2606
SDev	.0025	.0842	.0006	.0037
%RSD	1.160	25.72	.6181	1.415

#1	.2137	.2629	.1015	.2659
#2	.2137	.4503	.1009	.2598
#3	.2187	.3098	.1002	.2575
#4	.2137	.2863	.1002	.2590

Analysis Report

02/05/02 10:44:32 AM

page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 02/05/02 10:42:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0067	<.0000	<.0000	<.0000	<.0000
SDev	.0011	.0075	.0425	.0023	.0004	.0000	.0007
%RSD	52.17	52.58	632.0	82.58	66.79	.0000	23.81

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0695	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0026	.0008	.0013	.0008	.0018	.2097	.0075
%RSD	637.2	43.97	65.49	31.92	36.01	70.94	62.51

#1	.0041	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0003	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0000	.0019	.0204	.0025	.0228	.0221	.0745
%RSD	.2553	22.28	123.1	41.27	95.35	51.70	95.26

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0005	<.0000	.0074	<.0000	.0313
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0047	.0907	.0006	.0015
%RSD	42.60	310.2	38.33	402.0

#1	<.0000	.0996	<.0000	.0004
#2	<.0000	<.0000	<.0000	.0004
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	.0004

Analysis Report

02/05/02 11:11:08 AM

page 1

Method: IECW Sample Name: 307

Operator: it

Run Time: 02/05/02 11:09:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0129	<.0000	6.262
SDev	.0007	.0054	.0364	.0017	.0004	.0001	.023
%RSD	13.22	22.62	242.2	143.4	2.941	17.41	.3657
#1	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.274
#2	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.258
#3	<.0000	<.0000	.0267	.0003	.0135	<.0000	6.285
#4	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.232
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	<.0000	<.0000	<.0000	.0238	<.0000	1.349
SDev	.0021	.0009	.0015	.0004	.0014	.0896	.006
%RSD	614.4	26.59	29.61	8.091	5.680	8.130	.4234
#1	<.0000	<.0000	<.0000	<.0000	.0227	<.0000	1.354
#2	<.0000	<.0000	<.0000	<.0000	.0241	<.0000	1.348
#3	<.0000	<.0000	<.0000	<.0000	.0256	<.0000	1.354
#4	.0035	<.0000	<.0000	<.0000	.0227	<.0000	1.342
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0353	<.0000	4.538	<.0000	<.0000	<.0000	.0542
SDev	.0007	.0037	.042	.0059	.0087	.0171	.0783
%RSD	1.959	42.18	.9184	54.60	36.66	28.51	144.4
#1	.0356	<.0000	4.581	<.0000	<.0000	<.0000	.1559
#2	.0356	<.0000	4.485	<.0000	<.0000	<.0000	.0620
#3	.0342	<.0000	4.560	<.0000	<.0000	<.0000	<.0000
#4	.0356	<.0000	4.527	<.0000	<.0000	<.0000	.0307
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.7143	.0680	<.0000	<.0000			
SDev	.0227	.0483	.0000	.0008			
%RSD	3.182	70.97	.0118	89.13			
#1	.7379	.1207	<.0000	.0003			
#2	.6882	.0270	<.0000	<.0000			
#3	.7031	.0973	<.0000	<.0000			
#4	.7280	.0270	<.0000	<.0000			

Analysis Report

02/05/02 11:13:20 AM

page 1

Method: IECW Sample Name: 307lab dup

Operator: it

Run Time: 02/05/02 11:11:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0129 ✓	<.0000	6.242 <i>6.262</i>
SDev	.0025	.0090	.0281	.0009	.0004	.0001	.042
%RSD	46.41	40.98	104.7	54.78	2.929	9.091	.6762

#1	<.0000	<.0000	<.0000	<.0000	.0135	<.0000	6.279
#2	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.226
#3	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.275
#4	<.0000	<.0000	.0058	<.0000	.0128	<.0000	6.190

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0238	<.0000	1.363 <i>1.349</i>
SDev	.0009	.0016	.0030	.0016	.0018	.6430	.022
%RSD	1413.	36.16	65.51	28.34	7.471	92.02	1.620

#1	.0008	<.0000	<.0000	<.0000	.0241	.1971	1.390
#2	.0008	<.0000	<.0000	<.0000	.0241	<.0000	1.366
#3	<.0000	<.0000	<.0000	<.0000	.0213	<.0000	1.336
#4	<.0000	<.0000	<.0000	<.0000	.0256	<.0000	1.360

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0358	<.0000	4.514 ✓	<.0000	<.0000	<.0000	.0229
SDev	.0009	.0037	.067 <i>4.7</i>	.0011	.0186	.0197	.0394
%RSD	2.425	29.31	1.490 <i>4.7</i>	121.5	44.13	57.44	172.2

#1	.0370	<.0000	4.595	.0005	<.0000	<.0000	.0306
#2	.0356	<.0000	4.431	<.0000	<.0000	<.0000	<.0000
#3	.0356	<.0000	4.506	<.0000	<.0000	<.0000	.0620
#4	.0349	<.0000	4.523	<.0000	<.0000	<.0000	.0307

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6994	<.0000	<.0000	.0001
SDev	.0216	.1457	.0008	.0010
%RSD	3.088	336.8	22.45	983.0

#1	.7279	<.0000	<.0000	.0003
#2	.6782	<.0000	<.0000	.0011
#3	.7031	.1676	<.0000	<.0000
#4	.6882	<.0000	<.0000	.0003

Analysis Report

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page 1

Method: IECW Sample Name: 307spk

Operator: it

Run Time: 02/05/02 11:17:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0148	.2740	.2435	.2618	.2682	.0486	6.079
SDev	.0013	.0089	.0664	.0047	.0011	.0003	.036
%RSD	8.900	3.245	27.26	1.785	.4024	.5245	.5910

#1	.0146	.2862	.1741	.2576	.2697	.0490	6.126
#2	.0166	.2717	.2892	.2589	.2682	.0484	6.049
#3	.0136	.2728	.2004	.2680	.2674	.0486	6.087
#4	.0141	.2650	.3102	.2628	.2674	.0484	6.053

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1073	.1019	.2512	.2510	.2818	<.0000	1.324
SDev	.0019	.0012	.0037	.0013	.0035	.4951	.007
%RSD	1.822	1.165	1.464	.5145	1.253	149.4	.5210

#1	.1073	.1024	.2534	.2525	.2828	<.0000	1.318
#2	.1084	.1033	.2530	.2499	.2772	.0537	1.318
#3	.1089	.1012	.2526	.2517	.2857	<.0000	1.330
#4	.1045	.1007	.2457	.2499	.2814	<.0000	1.330

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2921	.0918	4.418	.2559	.2263	.1783	.2015
SDev	.0027	.0038	.024	.0050	.0122	.0327	.0788
%RSD	.9154	4.179	.5387	1.958	5.375	18.36	39.10

#1	.2959	.0937	4.417	.2562	.2088	.1526	.0920
#2	.2911	.0937	4.388	.2574	.2346	.1527	.2798
#3	.2918	.0860	4.446	.2491	.2346	.1868	.2172
#4	.2897	.0937	4.421	.2610	.2273	.2210	.2172

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9702	.3777	.1001	.2599
SDev	.0137	.1254	.0014	.0022
%RSD	1.412	33.20	1.402	.8430

#1	.9864	.4012	.1021	.2628
#2	.9764	.5183	.0988	.2574
#3	.9566	.3777	.0995	.2597
#4	.9615	.2138	.1001	.2597

Analysis Report

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page 1

Method: IECW Sample Name: 308

Operator: it

Run Time: 02/05/02 11:19:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0126	<.0000	6.228
SDev	.0024	.0065	.0813	.0005	.0004	.0001	.013
%RSD	37.49	22.53	595.9	12.33	3.046	11.00	.2155

#1	<.0000	<.0000	.0843	<.0000	.0128	<.0000	6.241
#2	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.228
#3	<.0000	<.0000	<.0000	<.0000	.0120	<.0000	6.235
#4	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.210

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	<.0000	<.0000	<.0000	.0220	<.0000	1.338
SDev	.0020	.0006	.0007	.0011	.0034	.2097	.004
%RSD	220.5	14.25	17.50	20.37	15.27	16.14	.2805

#1	.0013	<.0000	<.0000	<.0000	.0213	<.0000	1.339
#2	.0035	<.0000	<.0000	<.0000	.0270	<.0000	1.342
#3	<.0000	<.0000	<.0000	<.0000	.0199	<.0000	1.339
#4	<.0000	<.0000	<.0000	<.0000	.0199	<.0000	1.333

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0411	<.0000	4.441	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0073	.006	.0053	.0150	.0356	.0443
%RSD	1.370	68.36	.1396	218.5	81.93	59.34	139.0

#1	.0411	<.0000	4.444	<.0000	<.0000	<.0000	<.0000
#2	.0411	<.0000	4.433	.0030	.0037	<.0000	<.0000
#3	.0418	<.0000	4.440	<.0000	<.0000	<.0000	<.0000
#4	.0405	<.0000	4.448	.0006	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7255	.0622	<.0000	.0003
SDev	.0217	.1536	.0014	.0000
%RSD	2.985	247.0	32.77	.2961

#1	.7578	<.0000	<.0000	.0003
#2	.7180	<.0000	<.0000	.0003
#3	.7131	.2613	<.0000	.0003
#4	.7131	.0974	<.0000	.0003

Analysis Report

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page 1

Method: IECW Sample Name: 309

Operator: it

Run Time: 02/05/02 11:23:57

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0298	.0075	.0291	<.0000	25.42
SDev	.0009	.0090	.0313	.0011	.0000	.0001	.05
%RSD	19.79	45.68	105.0	15.02	.0169	14.20	.1895

#1	<.0000	<.0000	.0429	.0072	.0291	<.0000	25.36
#2	<.0000	<.0000	.0219	.0065	.0291	<.0000	25.48
#3	<.0000	<.0000	.0639	.0072	.0291	<.0000	25.41
#4	<.0000	<.0000	<.0000	.0091	.0291	<.0000	25.43

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0543	.6808	8.477
SDev	.0008	.0014	.0017	.0007	.0020	.2689	.012
%RSD	112.3	32.07	131.6	32.53	3.670	39.50	.1359

#1	<.0000	<.0000	.0012	<.0000	.0529	.4837	8.469
#2	.0004	<.0000	<.0000	<.0000	.0571	1.021	8.490
#3	<.0000	<.0000	<.0000	<.0000	.0529	.4479	8.466
#4	<.0000	<.0000	<.0000	<.0000	.0543	.7704	8.484

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1440	<.0000	28.24	<.0000	<.0000	<.0000	<.0000
SDev	.0012	.0048	.07	.0060	.0106	.0256	.0788
%RSD	.8187	90.48	.2473	219.6	37.12	64.56	154.7

#1	.1442	.0014	28.31	<.0000	<.0000	<.0000	<.0000
#2	.1435	<.0000	28.17	<.0000	<.0000	<.0000	<.0000
#3	.1428	<.0000	28.29	.0059	<.0000	<.0000	.0274
#4	.1456	<.0000	28.19	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.634	.1327	<.0000	<.0000
SDev	.017	.0975	.0011	.0010
%RSD	1.052	73.48	41.61	68.62

#1	1.629	.1562	<.0000	<.0000
#2	1.659	.0156	<.0000	<.0000
#3	1.619	.1093	<.0000	<.0000
#4	1.629	.2498	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 320

Operator: it

Run Time: 02/05/02 11:36:22

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0017	.0202	<.0000	13.04
SDev	.0004	.0077	.0604	.0024	.0004	.0001	.08
%RSD	6.855	22.71	218.3	145.0	1.900	9.238	.5804

#1	<.0000	<.0000	<.0000	.0009	.0196	<.0000	13.07
#2	<.0000	<.0000	<.0000	.0048	.0204	<.0000	13.12
#3	<.0000	<.0000	.0193	.0022	.0204	<.0000	12.94
#4	<.0000	<.0000	<.0000	<.0000	.0204	<.0000	13.03

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0005	.0278	<.0000	4.933
SDev	.0014	.0013	.0010	.0008	.0014	.5450	.035
%RSD	220.7	34.48	21.76	159.0	4.855	46.80	.7045

#1	<.0000	<.0000	<.0000	<.0000	.0267	<.0000	4.939
#2	.0006	<.0000	<.0000	<.0000	.0281	<.0000	4.977
#3	<.0000	<.0000	<.0000	.0016	.0267	<.0000	4.894
#4	.0000	<.0000	<.0000	.0007	.0296	<.0000	4.924

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0197	<.0000	23.23	<.0000	<.0000	<.0000	<.0000
SDev	.0007	.0037	.17	.0041	.0175	.0419	.0740
%RSD	3.353	41.10	.7363	112.4	43.35	80.61	178.8

#1	.0195	<.0000	23.29	<.0000	<.0000	<.0000	<.0000
#2	.0202	<.0000	23.40	<.0000	<.0000	<.0000	<.0000
#3	.0188	<.0000	22.99	<.0000	<.0000	<.0000	.0604
#4	.0202	<.0000	23.23	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	4.166	.0858	<.0000	.0083
SDev	.020	.0750	.0010	.0011
%RSD	.4890	87.42	21.88	13.72

#1	4.170	.0214	<.0000	.0070
#2	4.190	.0213	<.0000	.0078
#3	4.140	.1386	<.0000	.0093
#4	4.165	.1620	<.0000	.0093

Analysis Report

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page 1

Method: IECW Sample Name: 327

Operator: it

Run Time: 02/05/02 11:38:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0131	<.0000	6.348
SDev	.0011	.0166	.0577	.0014	.0004	.0001	.014
%RSD	17.81	55.01	132.1	28.47	3.358	14.20	.2154

#1	<.0000	<.0000	<.0000	<.0000	.0127	<.0000	6.359
#2	<.0000	<.0000	.0214	<.0000	.0135	<.0000	6.336
#3	<.0000	<.0000	<.0000	<.0000	.0135	<.0000	6.361
#4	<.0000	<.0000	<.0000	<.0000	.0127	<.0000	6.336

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	<.0000	<.0000	.0273	<.0000	1.361
SDev	.0008	.0009	.0018	.0009	.0024	.3808	.013
%RSD	1176.	20.03	31.74	11.86	8.853	22.02	.9726

#1	<.0000	<.0000	<.0000	<.0000	.0284	<.0000	1.366
#2	<.0000	<.0000	<.0000	<.0000	.0270	<.0000	1.366
#3	.0008	<.0000	<.0000	<.0000	.0241	<.0000	1.372
#4	.0008	<.0000	<.0000	<.0000	.0298	<.0000	1.342

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0356	<.0000	8.129	<.0000	<.0000	<.0000	.0229
SDev	.0006	.0083	.052	.0060	.0074	.0292	.0394
%RSD	1.585	85.78	.6370	123.9	18.30	35.87	171.9

#1	.0356	<.0000	8.191	<.0000	<.0000	<.0000	<.0000
#2	.0356	<.0000	8.145	<.0000	<.0000	<.0000	.0307
#3	.0349	<.0000	8.112	.0029	<.0000	<.0000	.0307
#4	.0363	.0018	8.069	<.0000	<.0000	<.0000	.0620

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9341	<.0000	<.0000	<.0000
SDev	.0029	.0789	.0013	.0011
%RSD	.3081	397.6	29.19	80.11

#1	.9316	.0739	<.0000	<.0000
#2	.9316	<.0000	<.0000	<.0000
#3	.9366	.0036	<.0000	<.0000
#4	.9367	<.0000	<.0000	.0003

Analysis Report

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page 1

Method: IECW Sample Name: 328

Operator: it

Run Time: 02/05/02 11:41:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0071	<.0000	.0129	<.0000	6.385
SDev	.0008	.0076	.0215	.0013	.0004	.0001	.012
%RSD	14.91	40.53	303.3	38.60	2.955	8.333	.1802

#1	<.0000	<.0000	.0214	<.0000	.0127	<.0000	6.401
#2	<.0000	<.0000	.0005	<.0000	.0135	<.0000	6.383
#3	<.0000	<.0000	<.0000	<.0000	.0127	<.0000	6.377
#4	<.0000	<.0000	.0268	<.0000	.0127	<.0000	6.377

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	<.0000	<.0000	.0294	<.0000	1.369
SDev	.0007	.0017	.0016	.0004	.0027	.1444	.017
%RSD	991.3	37.97	36.79	6.506	9.101	9.892	1.221

#1	.0002	<.0000	<.0000	<.0000	.0255	<.0000	1.372
#2	.0008	<.0000	<.0000	<.0000	.0312	<.0000	1.375
#3	.0002	<.0000	<.0000	<.0000	.0298	<.0000	1.384
#4	<.0000	<.0000	<.0000	<.0000	.0312	<.0000	1.345

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0373	<.0000	7.677	<.0000	<.0000	<.0000	<.0000
SDev	.0013	.0037	.040	.0057	.0081	.0419	.0534
%RSD	3.543	34.55	.5168	105.0	23.99	81.42	221.7

#1	.0370	<.0000	7.722	<.0000	<.0000	<.0000	.0307
#2	.0384	<.0000	7.639	<.0000	<.0000	<.0000	<.0000
#3	.0356	<.0000	7.649	<.0000	<.0000	<.0000	<.0000
#4	.0384	<.0000	7.699	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9552	<.0000	<.0000	<.0000
SDev	.0241	.1039	.0011	.0008
%RSD	2.526	1274.	27.88	88.96

#1	.9913	<.0000	<.0000	<.0000
#2	.9465	.1441	<.0000	<.0000
#3	.9415	<.0000	<.0000	<.0000
#4	.9416	<.0000	<.0000	.0003

Analysis Report

02/05/02 11:44:59 AM

page 1

Method: IECW Sample Name: 364

Run Time: 02/05/02 11:43:15

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0070	<.0000	.0127	<.0000	6.326
SDev	.0008	.0066	.0462	.0027	.0000	.0001	.023
%RSD	15.59	46.26	656.1	125.1	.0186	11.00	.3572
#1	<.0000	<.0000	<.0000	<.0000	.0127	<.0000	6.345
#2	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.311
#3	<.0000	<.0000	.0631	<.0000	.0128	<.0000	6.302
#4	<.0000	<.0000	.0267	<.0000	.0127	<.0000	6.346
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	<.0000	.0294	<.0000	1.361
SDev	.0011	.0011	.0016	.0004	.0021	.1384	.018
%RSD	237.1	32.13	34.89	6.505	7.220	12.36	1.358
#1	.0002	<.0000	<.0000	<.0000	.0312	<.0000	1.360
#2	<.0000	<.0000	<.0000	<.0000	.0312	<.0000	1.336
#3	.0019	<.0000	<.0000	<.0000	.0284	<.0000	1.372
#4	.0008	<.0000	<.0000	<.0000	.0270	<.0000	1.378
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0375	<.0000	8.116	.0009	<.0000	<.0000	<.0000
SDev	.0007	.0031	.039	.0050	.0139	.0279	.0599
%RSD	1.761	32.40	.4818	586.5	33.60	54.24	126.0
#1	.0384	<.0000	8.143	.0077	<.0000	<.0000	<.0000
#2	.0370	<.0000	8.108	.0006	<.0000	<.0000	.0307
#3	.0370	<.0000	8.064	<.0000	<.0000	<.0000	<.0000
#4	.0377	<.0000	8.149	<.0000	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9726	<.0000	<.0000	<.0000			
SDev	.0047	.0982	.0006	.0011			
%RSD	.4873	161.4	22.95	171.6			
#1	.9664	<.0000	<.0000	<.0000			
#2	.9715	<.0000	<.0000	.0003			
#3	.9764	.0036	<.0000	<.0000			
#4	.9763	<.0000	<.0000	.0003			

Analysis Report

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page 1

Method: IECW Sample Name: 365

Operator: it

Run Time: 02/05/02 11:55:50

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0045	<.0000	.0128	<.0000	6.299
SDev	.0006	.0024	.0423	.0022	.0000	.0001	.019
%RSD	11.53	10.44	929.7	73.41	.0188	9.091	.2972

#1	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.289
#2	<.0000	<.0000	.0111	<.0000	.0128	<.0000	6.304
#3	<.0000	<.0000	.0267	<.0000	.0128	<.0000	6.280
#4	<.0000	<.0000	.0372	<.0000	.0127	<.0000	6.323

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0256	<.0000	1.357
SDev	.0014	.0018	.0021	.0011	.0020	.1589	.019
%RSD	110.8	40.26	43.64	17.37	7.826	10.31	1.368

#1	<.0000	<.0000	<.0000	<.0000	.0284	<.0000	1.348
#2	<.0000	<.0000	<.0000	<.0000	.0241	<.0000	1.366
#3	<.0000	<.0000	<.0000	<.0000	.0241	<.0000	1.336
#4	.0002	<.0000	<.0000	<.0000	.0255	<.0000	1.378

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0370	<.0000	7.557	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0063	.048	.0089	.0136	.0296	.0676
%RSD	1.526	107.4	.6330	164.0	82.44	114.8	212.0

#1	.0370	<.0000	7.498	<.0000	<.0000	<.0000	.0307
#2	.0363	<.0000	7.600	<.0000	<.0000	<.0000	<.0000
#3	.0377	.0018	7.537	<.0000	<.0000	<.0000	<.0000
#4	.0370	<.0000	7.591	.0029	.0037	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9491	.0153	<.0000	<.0000
SDev	.0064	.0728	.0011	.0011
%RSD	.6756	475.7	27.27	171.8

#1	.9416	<.0000	<.0000	<.0000
#2	.9565	<.0000	<.0000	.0003
#3	.9516	.0036	<.0000	<.0000
#4	.9465	.1207	<.0000	.0003

Analysis Report

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page 1

Method: IECW Sample Name: 462

Operator: it

Run Time: 02/05/02 11:58:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0873	.0082	.0287	<.0000	25.08
SDev	.0017	.0067	.0131	.0011	.0004	.0001	.03
%RSD	40.53	37.25	15.03	13.75	1.529	11.00	.1332

#1	<.0000	<.0000	.0691	.0085	.0284	<.0000	25.04
#2	<.0000	<.0000	.0898	.0085	.0291	<.0000	25.11
#3	<.0000	<.0000	.0899	.0092	.0291	<.0000	25.07
#4	<.0000	<.0000	.1005	.0066	.0283	<.0000	25.09

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0025	<.0000	<.0000	<.0000	.0480	.5644	8.383
SDev	.0014	.0012	.0018	.0004	.0018	.2077	.010
%RSD	55.54	31.30	107.9	7.988	3.793	36.79	.1140

#1	.0004	<.0000	<.0000	<.0000	.0459	.3404	8.376
#2	.0032	<.0000	<.0000	<.0000	.0501	.8421	8.391
#3	.0032	<.0000	<.0000	<.0000	.0487	.5196	8.391
#4	.0032	<.0000	<.0000	<.0000	.0473	.5554	8.373

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1164	<.0000	27.68	.0006	<.0000	<.0000	<.0000
SDev	.0007	.0080	.06	.0037	.0063	.0369	.0935
%RSD	.5678	97.28	.2014	627.2	22.05	53.03	794.4

#1	.1159	<.0000	27.62	.0036	<.0000	<.0000	<.0000
#2	.1159	<.0000	27.65	.0024	<.0000	<.0000	.0273
#3	.1173	.0014	27.74	<.0000	<.0000	<.0000	<.0000
#4	.1166	<.0000	27.71	.0012	<.0000	<.0000	.0900

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.509	.1446	<.0000	<.0000
SDev	.019	.0947	.0003	.0008
%RSD	1.271	65.46	12.19	63.48

#1	1.490	.1563	<.0000	<.0000
#2	1.535	.0860	<.0000	<.0000
#3	1.500	.2734	<.0000	<.0000
#4	1.510	.0626	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 463

Operator: it

Run Time: 02/05/02 12:00:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0176	<.0000	.0131	<.0000	6.297
SDev	.0020	.0116	.0319	.0022	.0004	.0001	.010
%RSD	42.08	51.15	181.3	45.04	3.357	11.00	.1646

#1	<.0000	<.0000	.0475	<.0000	.0128	<.0000	6.292
#2	<.0000	<.0000	.0424	<.0000	.0135	<.0000	6.310
#3	<.0000	<.0000	<.0000	<.0000	.0128	<.0000	6.287
#4	<.0000	<.0000	<.0000	<.0000	.0135	<.0000	6.299

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0020	<.0000	<.0000	<.0000	.0227	<.0000	1.356
SDev	.0012	.0009	.0008	.0011	.0016	.1548	.016
%RSD	61.09	28.47	17.63	18.84	7.169	11.52	1.156

#1	.0024	<.0000	<.0000	<.0000	.0241	<.0000	1.360
#2	.0035	<.0000	<.0000	<.0000	.0241	<.0000	1.366
#3	.0013	<.0000	<.0000	<.0000	.0213	<.0000	1.366
#4	.0008	<.0000	<.0000	<.0000	.0213	<.0000	1.333

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0358	<.0000	4.546	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0044	.034	.0027	.0134	.0296	.0156
%RSD	.9634	45.77	.7549	172.6	60.90	49.40	185.5

#1	.0356	<.0000	4.537	<.0000	<.0000	<.0000	<.0000
#2	.0363	<.0000	4.574	<.0000	<.0000	<.0000	<.0000
#3	.0356	<.0000	4.502	.0017	<.0000	<.0000	<.0000
#4	.0356	<.0000	4.572	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6509	.0680	<.0000	<.0000
SDev	.0104	.1410	.0008	.0011
%RSD	1.593	207.4	23.83	87.23

#1	.6534	<.0000	<.0000	<.0000
#2	.6385	.0739	<.0000	<.0000
#3	.6484	.2613	<.0000	.0003
#4	.6634	.0036	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 02/05/02 12:03:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5047	1.012	.0755	.9867	1.015	.9885	1.020
SDev	.0012	.017	.0576	.0032	.005	.0043	.004
%RSD	.2355	1.721	76.28	.3198	.4883	.4348	.3559

#1	.5055	.9959	.1123	.9849	1.020	.9916	1.024
#2	.5035	1.012	.1330	.9836	1.008	.9821	1.016
#3	.5040	1.004	.0077	.9907	1.017	.9899	1.017
#4	.5060	1.036	.0491	.9875	1.015	.9903	1.022

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.014	1.011	.9932	.9842	1.010	<.0000	.9743
SDev	.005	.005	.0035	.0046	.005	.3565	.0066
%RSD	.5130	.5136	.3546	.4688	.4898	29.26	.6798

#1	1.014	1.018	.9964	.9859	1.009	<.0000	.9811
#2	1.007	1.006	.9890	.9773	1.004	<.0000	.9781
#3	1.013	1.010	.9916	.9868	1.013	<.0000	.9721
#4	1.020	1.010	.9959	.9868	1.016	<.0000	.9661

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.010	1.003	1.001	1.007	.9920	.9063	.0105
SDev	.004	.011	.005	.010	.0048	.0215	.0745
%RSD	.4079	1.141	.4895	1.032	.4827	2.375	710.4

#1	1.011	1.006	.9977	1.002	.9976	.9362	<.0000
#2	1.004	.9868	1.002	.9971	.9902	.8849	.0261
#3	1.012	1.006	.9977	1.009	.9939	.9020	.0575
#4	1.013	1.014	1.008	1.021	.9864	.9019	.0573

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9398	1.144	1.014	1.011
SDev	.0220	.153	.005	.005
%RSD	2.345	13.42	.5166	.4890

#1	.9472	1.196	1.017	1.010
#2	.9174	.9153	1.007	1.005
#3	.9671	1.220	1.014	1.017
#4	.9274	1.243	1.018	1.014

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 02/05/02 12:05:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	.0002	<.0000
SDev	.0017	.0115	.0387	.0012	.0006	.0003	.0012
%RSD	43.92	35.75	74.76	24.49	164.4	189.5	18.85

#1	<.0000	<.0000	<.0000	<.0000	.0004	.0006	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0002	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0015	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0022	.0009	.0016	.0011	.0031	.3032	.0071
%RSD	146.4	40.35	38.64	35.96	34.60	20.03	22.15

#1	.0025	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	.0041	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0003	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0000	.0019	.0104	<.0000	<.0000	<.0000	<.0000
SDev	.0009	.0054	.0093	.0045	.0129	.0164	.0599
%RSD	28650.	279.8	89.90	509.3	202.4	392.4	386.2

#1	.0012	.0019	.0213	<.0000	.0000	<.0000	.0314
#2	<.0000	.0058	.0026	.0057	.0001	<.0000	.0315
#3	<.0000	.0058	.0026	<.0000	<.0000	.0172	<.0000
#4	<.0000	<.0000	.0151	<.0000	.0001	.0001	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0074	.0917	.0014	.0016
%RSD	6.892	142.6	45.50	165.5

#1	<.0000	<.0000	<.0000	.0004
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0294	<.0000	.0004

Analysis Report

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page 1

Method: IECW Sample Name: 464

Operator: it

Run Time: 02/05/02 12:51:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0003	.0153	.0027	.0081	.0141	<.0000	6.299
SDev	.0003	.0055	.0432	.0014	.0000	.0001	.018
%RSD	91.25	35.75	1576.	17.89	.0106	14e6	.2866

#1	.0001	.0151	.0393	.0089	.0141	<.0000	6.305
#2	.0006	.0162	<.0000	.0095	.0141	.0000	6.295
#3	.0001	.0084	.0394	.0076	.0141	<.0000	6.276
#4	.0001	.0217	<.0000	.0063	.0141	.0000	6.319

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	.0018	.0308	.3316	1.370
SDev	.0014	.0013	.0017	.0008	.0018	.4536	.018
%RSD	702.1	128.3	610.2	46.23	5.774	136.8	1.308

#1	<.0000	.0002	<.0000	.0016	.0326	.6195	1.347
#2	.0021	<.0000	<.0000	.0024	.0312	.7941	1.386
#3	.0005	<.0000	<.0000	.0007	.0283	.0960	1.383
#4	<.0000	<.0000	.0021	.0024	.0312	<.0000	1.365

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0391	<.0000	4.542	.0009	.0055	<.0000	<.0000
SDev	.0003	.0080	.019	.0043	.0175	.0311	.0600
%RSD	.8823	268.2	.4289	499.3	321.5	120.5	8158.

#1	.0389	.0066	4.517	.0044	.0247	.0083	.0149
#2	.0396	<.0000	4.542	.0008	<.0000	<.0000	<.0000
#3	.0389	<.0000	4.565	<.0000	<.0000	<.0000	.0777
#4	.0389	<.0000	4.544	.0032	.0137	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.7309	.0503	.0007	.0005
SDev	.0123	.0117	.0014	.0004
%RSD	1.677	23.25	188.5	92.74

#1	.7175	.0445	.0014	.0001
#2	.7321	.0444	.0020	.0001
#3	.7272	.0444	<.0000	.0009
#4	.7469	.0678	.0007	.0009

Analysis Report

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page 1

Method: IECW Sample Name: 464lab dup

Operator: it

Run Time: 02/05/02 12:53:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0062	.0394	.0066	.0139	<.0000	6.288
SDev	.0011	.0125	.0272	.0022	.0004	.0001	.053
%RSD	307.8	203.2	69.10	32.73	2.719	200.0	.8358
#1	<.0000	<.0000	.0188	.0063	.0141	<.0000	6.278
#2	<.0000	.0195	.0445	.0043	.0141	<.0000	6.349
#3	<.0000	.0095	.0185	.0095	.0133	<.0000	6.223
#4	.0011	.0061	.0760	.0063	.0141	.0000	6.301
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0000	.0008	.0009	.0291	.0611	1.369
SDev	.0009	.0010	.0013	.0004	.0036	.2333	.023
%RSD	195.4	6328.	158.9	46.73	12.21	381.9	1.678
#1	<.0000	<.0000	<.0000	.0016	.0255	<.0000	1.368
#2	<.0000	.0007	.0017	.0007	.0283	.3403	1.359
#3	<.0000	<.0000	<.0000	.0007	.0284	<.0000	1.347
#4	.0005	.0010	.0021	.0007	.0340	.1658	1.401
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0387	.0047	4.498	.0038	<.0000	<.0000	<.0000
SDev	.0003	.0066	.036	.0037	.0105	.0241	.0863
%RSD	.8906	141.3	.8025	96.62	56140.	93.35	84.12
#1	.0382	.0028	4.523	.0056	<.0000	<.0000	<.0000
#2	.0389	.0143	4.534	<.0000	<.0000	<.0000	<.0000
#3	.0389	<.0000	4.459	.0021	<.0000	.0083	<.0000
#4	.0389	.0028	4.476	.0080	.0137	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.7457	.0912	.0012	.0010			
SDev	.0321	.0764	.0006	.0010			
%RSD	4.306	83.71	50.45	91.70			
#1	.7567	<.0000	.0007	.0024			
#2	.7616	.1848	.0020	.0009			
#3	.6979	.0912	.0007	.0009			
#4	.7665	.0912	.0014	.0001			

Analysis Report

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page 1

Method: IECW Sample Name: 464spk

Operator: it

Run Time: 02/05/02 13:12:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0140	.2806	.2996	.2724	.2729	.0499	6.134
SDev	.0008	.0112	.0287	.0024	.0013	.0002	.023
%RSD	5.346	4.003	9.583	.8711	.4846	.3299	.3745

#1	.0146	.2767	.3284	.2711	.2741	.0500	6.141
#2	.0146	.2689	.2658	.2750	.2733	.0501	6.154
#3	.0131	.2811	.2865	.2737	.2733	.0498	6.140
#4	.0136	.2956	.3177	.2698	.2710	.0497	6.101

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1041	.1053	.2575	.2564	.2907	.0000	1.320
SDev	.0007	.0022	.0013	.0010	.0018	.3541	.024
%RSD	.6628	2.101	.4838	.3876	.6123	289.8	1.822

#1	.1043	.1066	.2590	.2556	.2911	<.0000	1.299
#2	.1043	.1064	.2576	.2573	.2882	<.0000	1.323
#3	.1048	.1061	.2559	.2573	.2911	.3054	1.353
#4	.1032	.1020	.2577	.2556	.2925	.0262	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2980	.1051	4.434	.2625	.2530	.2076	.2645
SDev	.0009	.0048	.023	.0043	.0125	.0546	.1330
%RSD	.2912	4.594	.5126	1.618	4.946	26.29	50.29

#1	.2978	.1060	4.455	.2601	.2695	.2630	.2018
#2	.2978	.1098	4.414	.2589	.2475	.2460	.3586
#3	.2992	.1060	4.416	.2685	.2402	.1608	.3899
#4	.2971	.0983	4.453	.2625	.2548	.1607	.1077

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.083	.2894	.1027	.2602
SDev	.012	.0233	.0009	.0011
%RSD	1.082	8.069	.8937	.4145

#1	1.095	.2777	.1020	.2602
#2	1.076	.2777	.1020	.2595
#3	1.071	.3244	.1040	.2595
#4	1.090	.2777	.1027	.2617

Analysis Report

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page 1

Method: IECW Sample Name: 466

Operator: it

Run Time: 02/05/02 13:15:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1067	.0201	.0302	<.0000	25.83
SDev	.0011	.0055	.0967	.0014	.0004	.0001	.03
%RSD	64.88	62.54	90.66	7.135	1.259	66.67	.1323

#1	<.0000	<.0000	.0767	.0216	.0304	<.0000	25.83
#2	<.0000	<.0000	.2124	.0184	.0296	<.0000	25.79
#3	<.0000	<.0000	.1497	.0197	.0304	<.0000	25.81
#4	<.0000	<.0000	<.0000	.0209	.0304	<.0000	25.87

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0018	<.0000	.0552	1.021	8.586
SDev	.0014	.0006	.0017	.0011	.0044	.323	.010
%RSD	208.7	72.00	98.75	475.7	7.911	31.64	.1145

#1	.0007	<.0000	.0008	<.0000	.0556	.7941	8.581
#2	.0001	<.0000	.0038	.0002	.0528	.8290	8.575
#3	<.0000	<.0000	.0025	.0011	.0513	1.492	8.593
#4	<.0000	<.0000	<.0000	<.0000	.0612	.9686	8.596

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1038	.0042	28.28	<.0000	<.0000	<.0000	.0351
SDev	.0007	.0066	.09	.0076	.0182	.0341	.1339
%RSD	.6367	156.7	.3006	2140.	2016.	345.9	381.5

#1	.1046	<.0000	28.33	<.0000	<.0000	.0072	.1997
#2	.1033	.0023	28.18	<.0000	<.0000	.0072	.0743
#3	.1033	.0138	28.26	.0002	.0211	.0072	<.0000
#4	.1039	.0023	28.37	.0098	.0064	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.554	.2141	<.0000	.0005
SDev	.024	.0399	.0011	.0011
%RSD	1.532	18.65	153.7	214.9

#1	1.523	.2667	<.0000	.0005
#2	1.548	.1732	<.0000	<.0000
#3	1.568	.1966	.0004	<.0000
#4	1.577	.2199	<.0000	.0020

Analysis Report

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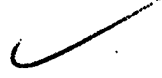
Method: IECW Sample Name: 467

Operator: it

Run Time: 02/05/02 13:18:12

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0081	.0141	<.0000	6.345
SDev	.0013	.0080	.0314	.0010	.0000	.0001	.017
%RSD	50.47	260.9	128.4	12.08	.0127	57.73	.2700

#1	<.0000	<.0000	.0186	.0069	.0141	<.0000	6.360
#2	<.0000	<.0000	<.0000	.0089	.0141	<.0000	6.347
#3	<.0000	<.0000	<.0000	.0076	.0141	<.0000	6.321
#4	<.0000	.0061	<.0000	.0089	.0141	<.0000	6.353

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0001	<.0000	.0326	<.0000	1.381
SDev	.0005	.0012	.0016	.0011	.0028	.1290	.009
%RSD	69.67	194.4	1136.	135.2	8.663	19.72	.6437

#1	<.0000	.0001	<.0000	<.0000	.0340	<.0000	1.371
#2	<.0000	<.0000	.0021	.0007	.0340	<.0000	1.392
#3	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.377
#4	<.0000	.0004	.0004	<.0000	.0340	<.0000	1.383

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0368	.0028	4.533	<.0000	.0055	<.0000	.0150
SDev	.0006	.0054	.038	.0032	.0097	.0563	.1280
%RSD	1.529	194.6	.8383	55.28	175.4	433.3	853.8

#1	.0368	.0066	4.552	<.0000	.0137	<.0000	.0777
#2	.0375	.0028	4.567	<.0000	<.0000	<.0000	<.0000
#3	.0361	<.0000	4.480	<.0000	.0138	.0595	.1091
#4	.0368	.0066	4.532	<.0000	<.0000	<.0000	.0463

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7076	<.0000	<.0000	.0012
SDev	.0212	.1281	.0003	.0008
%RSD	2.994	498.0	31.09	61.59

#1	.7076	<.0000	<.0000	.0009
#2	.7272	.0678	<.0000	.0024
#3	.6782	<.0000	<.0000	.0009
#4	.7174	.0444	<.0000	.0009

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Method: IECW Sample Name: 468

Operator: it

Run Time: 02/05/02 13:20:30

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0082	.0069	.0141	<.0000	6.358
SDev	.0003	.0051	.0204	.0025	.0000	.0000	.011
%RSD	13.74	87.39	247.6	36.01	.0082	.0000	.1745

#1	<.0000	<.0000	.0030	.0089	.0141	<.0000	6.372
#2	<.0000	<.0000	.0291	.0089	.0141	<.0000	6.361
#3	<.0000	<.0000	.0186	.0063	.0141	<.0000	6.353
#4	<.0000	<.0000	<.0000	.0037	.0141	<.0000	6.346

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0003	.0322	<.0000	1.356
SDev	.0008	.0012	.0019	.0005	.0031	.2367	.008
%RSD	63.22	89.61	115.4	180.9	9.724	27.97	.5666

#1	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.365
#2	<.0000	.0004	<.0000	.0007	.0340	<.0000	1.347
#3	<.0000	<.0000	.0008	.0007	.0312	<.0000	1.359
#4	<.0000	<.0000	<.0000	<.0000	.0354	<.0000	1.353

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0366	<.0000	4.555	<.0000	.0156	<.0000	<.0000
SDev	.0003	.0019	.052	.0044	.0070	.0403	.0512
%RSD	.9416	2181.	1.149	111.2	45.02	187.3	107.3

#1	.0368	<.0000	4.598	<.0000	.0064	.0083	<.0000
#2	.0361	<.0000	4.490	<.0000	.0211	<.0000	<.0000
#3	.0368	<.0000	4.598	.0009	.0137	<.0000	.0150
#4	.0368	.0028	4.536	<.0000	.0211	.0083	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7126	.0152	<.0000	.0016
SDev	.0098	.0351	.0011	.0009
%RSD	1.378	230.1	154.7	54.36

#1	.7077	.0445	<.0000	.0024
#2	.7077	.0445	<.0000	.0024
#3	.7077	<.0000	.0007	.0009
#4	.7273	<.0000	<.0000	.0009

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Method: IECW Sample Name: 470

Operator: it

Run Time: 02/05/02 13:22:51

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0766	.0187	.0304	<.0000	25.83
SDev	.0016	.0119	.0192	.0012	.0000	.0001	.13
%RSD	128.2	116.1	25.03	6.665	.0417	127.7	.4847

#1	<.0000	<.0000	.0976	.0177	.0304	<.0000	25.69
#2	.0003	.0067	.0659	.0177	.0304	.0000	25.94
#3	<.0000	<.0000	.0557	.0203	.0304	<.0000	25.75
#4	<.0000	<.0000	.0872	.0190	.0304	<.0000	25.93

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0016	<.0000	.0566	1.257	8.603
SDev	.0020	.0018	.0022	.0019	.0021	.403	.029
%RSD	462.6	214.4	134.0	424.8	3.723	32.11	.3321

#1	.0007	.0016	.0047	.0002	.0542	1.667	8.569
#2	<.0000	<.0000	.0016	.0019	.0584	1.527	8.638
#3	<.0000	<.0000	.0008	<.0000	.0584	1.003	8.596
#4	.0018	<.0000	<.0000	<.0000	.0556	.8290	8.611

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1069	.0052	28.31	.0038	.0073	<.0000	<.0000
SDev	.0009	.0057	.11	.0067	.0113	.0351	.1523
%RSD	.8117	110.7	.3989	175.1	154.2	112.7	1278.

#1	.1060	.0023	28.15	.0122	.0174	<.0000	.0743
#2	.1067	.0023	28.33	<.0000	.0137	<.0000	<.0000
#3	.1067	.0138	28.31	.0062	.0064	.0072	<.0000
#4	.1081	.0023	28.43	<.0000	<.0000	<.0000	.1370

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.586	.2316	.0001	.0005
SDev	.006	.1185	.0019	.0013
%RSD	.3899	51.14	2110.	248.4

#1	1.592	.3135	.0017	.0005
#2	1.587	.3368	.0017	.0005
#3	1.577	.1966	<.0000	<.0000
#4	1.587	.0796	<.0000	.0020

Analysis Report

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page 1

Method: IECW Sample Name: 471

Operator: it

Run Time: 02/05/02 13:24:57

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0077	.0137	<.0000	6.374
SDev	.0009	.0096	.0651	.0015	.0004	.0001	.016
%RSD	77.13	99.08	467.3	19.85	3.216	66.67	.2461

#1	<.0000	<.0000	<.0000	.0076	.0141	<.0000	6.394
#2	<.0000	<.0000	.0605	.0056	.0133	<.0000	6.359
#3	.0001	.0028	<.0000	.0089	.0133	<.0000	6.364
#4	<.0000	<.0000	.0188	.0089	.0141	<.0000	6.379

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0294	<.0000	1.380
SDev	.0006	.0028	.0008	.0015	.0014	.2581	.010
%RSD	102.7	352.6	71.45	119.3	4.594	28.17	.7470

#1	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.377
#2	<.0000	<.0000	<.0000	.0007	.0298	<.0000	1.371
#3	<.0000	.0025	<.0000	<.0000	.0312	<.0000	1.395
#4	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.377

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0356	.0066	4.582	<.0000	<.0000	<.0000	<.0000
SDev	.0009	.0054	.025	.0060	.0147	.0291	.0600
%RSD	2.438	81.80	.5472	926.6	1638.	97.02	9127.

#1	.0347	.0028	4.598	<.0000	.0064	.0083	.0150
#2	.0354	.0028	4.575	<.0000	<.0000	<.0000	<.0000
#3	.0368	.0143	4.550	.0008	.0064	<.0000	.0777
#4	.0354	.0066	4.606	.0056	.0065	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7334	.0444	<.0000	.0003
SDev	.0167	.0382	.0006	.0007
%RSD	2.278	85.91	45.45	256.2

#1	.7174	.0445	<.0000	.0009
#2	.7567	.0912	<.0000	<.0000
#3	.7321	.0444	<.0000	.0001
#4	.7273	<.0000	<.0000	.0009

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Method: IECW Sample Name: 472

Operator: it

Run Time: 02/05/02 13:27:07

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0292	.0048	.0135	<.0000	6.351
SDev	.0010	.0130	.0488	.0011	.0007	.0000	.018
%RSD	30.87	137.8	167.3	22.96	5.408	.0000	.2757

#1	<.0000	<.0000	.1024	.0037	.0133	<.0000	6.355
#2	<.0000	.0039	.0081	.0063	.0141	<.0000	6.373
#3	<.0000	<.0000	.0030	.0050	.0141	<.0000	6.337
#4	<.0000	<.0000	.0033	.0043	.0126	<.0000	6.337

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	<.0000	.0266	<.0000	1.365
SDev	.0018	.0015	.0019	.0011	.0021	.3806	.019
%RSD	879.3	207.4	121.0	135.2	7.950	43.62	1.413

#1	.0005	<.0000	<.0000	<.0000	.0255	<.0000	1.341
#2	<.0000	<.0000	<.0000	.0007	.0283	<.0000	1.386
#3	.0021	.0011	.0012	<.0000	.0283	<.0000	1.374
#4	.0005	<.0000	<.0000	<.0000	.0241	<.0000	1.359

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0363	<.0000	4.521	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0057	.009	.0011	.0125	.0163	.0395
%RSD	.9481	287.2	.1881	37.87	459.4	42.41	465.3

#1	.0361	.0028	4.532	<.0000	.0138	<.0000	<.0000
#2	.0368	<.0000	4.523	<.0000	<.0000	<.0000	<.0000
#3	.0361	.0028	4.513	<.0000	<.0000	<.0000	<.0000
#4	.0361	<.0000	4.515	<.0000	<.0000	<.0000	.0464

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7248	.0152	<.0000	.0016
SDev	.0094	.1198	.0015	.0009
%RSD	1.295	785.7	70.99	54.39

#1	.7175	<.0000	<.0000	.0009
#2	.7174	<.0000	<.0000	.0009
#3	.7371	.1848	<.0000	.0024
#4	.7273	<.0000	<.0000	.0024

Analysis Report

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Method: IECW Sample Name: 555

Operator: it

Run Time: 02/05/02 13:29:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0077	.0139	<.0000	6.347
SDev	.0003	.0046	.0488	.0030	.0004	.0001	.014
%RSD	13.74	164.3	157.4	38.45	2.744	200.0	.2255

#1	<.0000	<.0000	.0029	.0108	.0141	.0000	6.352
#2	<.0000	.0006	<.0000	.0063	.0133	<.0000	6.327
#3	<.0000	<.0000	.0187	.0095	.0141	<.0000	6.348
#4	<.0000	<.0000	<.0000	.0043	.0141	<.0000	6.361

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0012	<.0000	.0001	.0326	<.0000	1.368
SDev	.0011	.0005	.0015	.0008	.0035	.2934	.014
%RSD	128.2	38.20	204.8	1383.	10.61	58.99	1.036

#1	<.0000	.0007	<.0000	.0007	.0368	<.0000	1.377
#2	<.0000	.0016	<.0000	<.0000	.0340	<.0000	1.371
#3	<.0000	.0010	<.0000	<.0000	.0298	<.0000	1.347
#4	.0005	.0016	.0012	.0007	.0298	<.0000	1.377

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0358	.0057	8.049	.0015	<.0000	<.0000	<.0000
SDev	.0004	.0065	.027	.0074	.0237	.0163	.1040
%RSD	1.112	115.7	.3293	510.0	2600.	34.66	324.7

#1	.0361	<.0000	8.050	.0056	.0064	<.0000	.0463
#2	.0354	.0028	8.023	<.0000	.0284	<.0000	<.0000
#3	.0354	.0143	8.037	.0009	<.0000	<.0000	.0464
#4	.0361	.0066	8.085	.0080	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9591	<.0000	<.0000	.0009
SDev	.0101	.1281	.0006	.0011
%RSD	1.053	5537.	914.5	125.8

#1	.9529	.1380	<.0000	.0024
#2	.9677	<.0000	.0007	.0001
#3	.9481	<.0000	<.0000	.0009
#4	.9677	.0678	.0001	.0001

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Method: IECW Sample Name: 556

Operator: it

Run Time: 02/05/02 13:31:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0063	.0139	<.0000	6.424
SDev	.0016	.0096	.0117	.0009	.0004	.0001	.036
%RSD	42.37	107.4	43.14	14.70	2.734	57.73	.5556

#1	<.0000	.0017	<.0000	.0063	.0141	<.0000	6.396
#2	<.0000	<.0000	<.0000	.0069	.0141	<.0000	6.462
#3	<.0000	<.0000	<.0000	.0069	.0133	<.0000	6.391
#4	<.0000	<.0000	<.0000	.0050	.0141	<.0000	6.447

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0308	<.0000	1.390
SDev	.0005	.0008	.0020	.0008	.0024	.3076	.020
%RSD	51.06	46.51	61.65	102.6	7.816	26.91	1.414

#1	<.0000	<.0000	<.0000	<.0000	.0312	<.0000	1.377
#2	<.0000	<.0000	<.0000	<.0000	.0340	<.0000	1.401
#3	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.371
#4	<.0000	<.0000	<.0000	<.0000	.0297	<.0000	1.412

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0356	.0028	7.747	.0062	<.0000	<.0000	<.0000
SDev	.0009	.0031	.023	.0034	.0067	.0489	.0646
%RSD	2.440	112.2	.2917	55.41	56.33	127.0	54.69

#1	.0368	.0028	7.717	.0032	<.0000	<.0000	<.0000
#2	.0354	.0028	7.762	.0032	<.0000	.0253	<.0000
#3	.0347	<.0000	7.744	.0092	<.0000	<.0000	<.0000
#4	.0354	.0066	7.766	.0092	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9873	.0737	<.0000	.0007
SDev	.0305	.0882	.0008	.0013
%RSD	3.089	119.8	40.47	195.8

#1	.9628	<.0000	<.0000	<.0000
#2	1.031	.1613	<.0000	.0009
#3	.9824	<.0000	<.0000	.0024
#4	.9725	.1379	<.0000	.0001

Analysis Report

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page 1

Method: IECW Sample Name: 557

Operator: it

Run Time: 02/05/02 13:34:27

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0440	.0176	.0299	<.0000	25.22
SDev	.0015	.0110	.0569	.0025	.0007	.0001	.07
%RSD	97.62	462.2	129.2	14.27	2.477	163.3	.2884

#1	<.0000	<.0000	<.0000	.0210	.0297	<.0000	25.22
#2	<.0000	.0035	.1184	.0177	.0289	.0000	25.32
#3	.0003	.0102	.0556	.0151	.0304	<.0000	25.17
#4	<.0000	<.0000	.0141	.0164	.0304	<.0000	25.16

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	.0024	.0209	.0659	1.134	8.371
SDev	.0012	.0026	.0020	.0012	.0027	.419	.034
%RSD	172.7	651.7	83.10	5.828	4.074	36.96	.4047

#1	.0001	.0004	.0009	.0209	.0642	1.248	8.409
#2	.0023	.0012	.0043	.0217	.0642	1.422	8.388
#3	.0007	.0010	.0039	.0217	.0698	1.353	8.331
#4	<.0000	<.0000	.0005	.0192	.0656	.5148	8.358

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1105	.0023	27.54	.0060	.0165	.0072	.0587
SDev	.0014	.0044	.11	.0034	.0101	.0139	.1459
%RSD	1.302	190.0	.3877	57.38	61.27	193.0	248.7

#1	.1088	.0062	27.50	.0098	.0101	<.0000	.2311
#2	.1109	<.0000	27.66	.0063	.0211	.0242	.0116
#3	.1122	.0062	27.42	.0063	.0064	.0072	<.0000
#4	.1102	<.0000	27.60	.0015	.0284	.0072	.1057

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.818	.1560	.0001	.0022
SDev	.004	.0923	.0014	.0004
%RSD	.2192	59.18	1388.	17.12

#1	1.818	.1969	<.0000	.0028
#2	1.818	.0800	.0004	.0020
#3	1.813	.0800	.0017	.0020
#4	1.823	.2671	<.0000	.0020

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 02/05/02 13:37:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.5093	1.042	.0843	.9990	1.024	.9997	1.031
SDev	.0030	.013	.0673	.0080	.007	.0062	.008
%RSD	.5952	1.272	79.90	.7986	.6452	.6161	.7852
#1	.5136	1.057	<.0000	1.007	1.033	1.009	1.043
#2	.5067	1.026	.1093	.9885	1.021	.9960	1.026
#3	.5082	1.048	.1456	1.003	1.018	.9950	1.026
#4	.5087	1.035	.0935	.9976	1.024	.9993	1.029
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	1.007	1.012	1.002	.9925	1.018	<.0000	.9904
SDev	.004	.007	.004	.0054	.007	.2491	.0180
%RSD	.3711	.6815	.3762	.5412	.6641	62.05	1.819
#1	1.013	1.022	1.006	.9996	1.027	<.0000	.9993
#2	1.006	1.008	1.003	.9875	1.018	<.0000	.9726
#3	1.004	1.012	.9971	.9892	1.012	<.0000	1.011
#4	1.007	1.008	1.003	.9935	1.015	<.0000	.9785
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	1.013	1.025	1.025	1.016	1.014	.9294	.0966
SDev	.007	.008	.012	.011	.019	.0351	.0695
%RSD	.6544	.8074	1.135	1.082	1.917	3.776	71.99
#1	1.020	1.029	1.022	1.030	1.030	.9592	.0417
#2	1.008	1.032	1.036	1.021	.9893	.8911	.0731
#3	1.008	1.025	1.030	1.009	1.030	.9592	.0731
#4	1.018	1.013	1.010	1.006	1.008	.9081	.1985
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.9733	1.066	1.022	1.012			
SDev	.0179	.048	.006	.011			
%RSD	1.837	4.522	.6314	1.118			
#1	.9831	1.118	1.031	1.028			
#2	.9537	1.025	1.018	1.002			
#3	.9928	1.025	1.017	1.006			
#4	.9635	1.095	1.022	1.011			

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 02/05/02 13:40:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0026	<.0000	<.0000	.0047	.0008	.0006	.0004
SDev	.0016	.0099	.0284	.0005	.0004	.0002	.0026
%RSD	60.98	1184.	54.41	11.23	50.03	37.81	670.3

#1	.0042	.0047	<.0000	.0054	.0010	.0009	.0035
#2	.0012	<.0000	<.0000	.0047	.0010	.0006	<.0000
#3	.0012	<.0000	<.0000	.0047	.0010	.0004	<.0000
#4	.0037	.0092	<.0000	.0041	.0002	.0004	.0012

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0004	.0002	.0002	.0041	<.0000	<.0000	<.0000
SDev	.0007	.0021	.0017	.0015	.0018	.4470	.0057
%RSD	167.7	886.9	761.1	35.95	172.6	155.2	76.59

#1	.0005	.0032	.0025	.0060	.0011	.3752	<.0000
#2	.0011	<.0000	.0003	.0043	<.0000	<.0000	<.0000
#3	.0005	<.0000	<.0000	.0034	<.0000	<.0000	<.0000
#4	<.0000	.0001	<.0000	.0026	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0009	.0115	.0145	.0009	.0229	.0213	<.0000
SDev	.0007	.0057	.0052	.0052	.0070	.0085	.0313
%RSD	76.56	50.01	35.94	578.8	30.53	39.88	49.96

#1	.0017	.0029	.0134	.0084	.0284	.0255	<.0000
#2	.0010	.0144	.0134	<.0000	.0138	.0086	<.0000
#3	.0003	.0144	.0093	.0000	.0211	.0256	<.0000
#4	.0003	.0144	.0217	<.0000	.0284	.0255	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.0049	<.0000	.0013	.0006
SDev	.0214	.0573	.0015	.0004
%RSD	433.9	245.1	118.1	77.06

#1	.0233	.0234	.0034	.0002
#2	.0233	<.0000	.0015	.0010
#3	<.0000	<.0000	.0002	.0010
#4	<.0000	.0234	.0002	.0002