

9/24/09

10:15 AM

BIR

FT

23258

22865 spk

~~22866~~

5 STD

23259

23322

IPC+CB

260

323

LFB+CRB

261

324

23079+spk

IPC+CB

325

23080

LFB+CRB

326

23081

23262

IPC+CB

23082

23263+spk

Soil BIR

23083

23264

LCSS F=99.5

23084

23270

23207 F=394.2

23085

23271

22843 F=836.6

22717

23272

22843 dup F=782.2

22718

23318

return. 23144 F=160.3 Cat

22720

319

23177 F=253.5

IPC+CB

320

2307

22722+spk

321

23177 spk

22724

IPC+CB

23178 F=189.3

22725

22862

22338 F=202.8 + 1 → 10 Cat

23123

863

CCV+CCB

23124

864

865

Analysis Report

09/24/01 10:48:44 AM

page

Method: IECW

Sample Name: ipc = 1.00 ✓

Operator: it .

Run Time: 09/24/01 10:47:00

Comment:

Mode: CONC Corr. Factor: 1

9/24/01

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5069	1.028	<.0000	.9936	.9857	.9720	1.021
SDev	.0025	.026	.0250	.0062	.0031	.0048	.010
%RSD	.4886	2.495	249.8	.6221	.3111	.4921	.9534

#1	.5045	1.017	<.0000	.9920	.9881	.9743	1.017
#2	.5052	.9964	<.0000	.9895	.9817	.9650	1.010
#3	.5097	1.052	.0233	1.003	.9881	.9755	1.033
#4	.5084	1.045	<.0000	.9902	.9849	.9733	1.023

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.002	1.005	1.005	.9653	1.011	<.0000	.9767
SDev	.007	.007	.007	.0040	.010	.8134	.0241
%RSD	.6582	.7064	.6869	.4149	.9420	143.0	2.468

#1	.9994	1.004	1.004	.9692	1.009	<.0000	.9736
#2	.9943	.9960	.9959	.9598	1.003	<.0000	.9674
#3	1.008	1.013	1.010	.9671	1.025	.5535	1.011
#4	1.008	1.005	1.011	.9650	1.009	<.0000	.9549

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9933	.9853	.9895	1.007	.9518	.9281	.0501
SDev	.0049	.0142	.0209	.015	.0282	.0395	.0281
%RSD	.4912	1.442	2.117	1.498	2.966	4.253	56.12

#1	.9937	.9747	.9594	1.017	.9292	.9122	.0734
#2	.9878	.9726	1.006	.9874	.9259	.8804	.0163
#3	.9996	1.002	1.000	1.021	.9795	.9519	.0732
#4	.9922	.9917	.9917	1.004	.9728	.9679	.0376

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.049	.9875	1.005	1.014
SDev	.017	.0586	.007	.004
%RSD	1.613	5.937	.6475	.3923

#1	1.039	1.027	1.012	1.015
#2	1.034	.9277	.9980	1.008
#3	1.072	1.047	1.010	1.015
#4	1.053	.9476	1.002	1.017

Method: IECW Sample Name: cb

Operator: it

Run Time: 09/24/01 10:58:54

Comment:

Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0001	<.0000	<.0000	<.0000
SDev	.0041	.0160	.0149	.0007	.0013	.0000	.0046
%RSD	101.2	86.59	159.2	744.1	327.5	76.98	99.53

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0006	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0014
#4	<.0000	.0046	.0095	.0006	.0012	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0014	<.0000	<.0000	<.0000	.0019	<.0000	<.0000
SDev	.0033	.0017	.0021	.0027	.0039	1.012	.0269
%RSD	236.8	36.76	87.54	103.3	209.3	94.07	123.5

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0022	<.0000	.0007	<.0000	.0052	<.0000	<.0000
#4	.0056	<.0000	<.0000	.0005	.0052	.1845	.0031

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0036
SDev	.0000	.0044	.0266	.0050	.0251	.0294	.0343
%RSD	.5001	417.6	117.0	962.4	130.2	148.1	942.0

#1	<.0000	.0048	<.0000	<.0000	<.0000	<.0000	.0358
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0216
#3	<.0000	<.0000	<.0000	.0068	.0076	<.0000	<.0000
#4	<.0000	<.0000	.0029	<.0000	<.0000	.0159	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0168	.0221	.0021	.0009
%RSD	142.7	38.52	90.87	72.06

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0000
#3	.0071	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

Analysis Report

09/24/01 11:07:55 AM

page

Method: IECW Sample Name: 1fb

Operator: it

Run Time: 09/24/01 11:05:53

Comment:

Mode: CONC Corr. Factor: 1

		0.25	0.25	0.25	0.25	0.05	
Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0054	.2408	.2749	.2502	.2447	.0477	.0121
SDev	.0029	.0236	.0281	.0018	.0023	.0003	.0052
%RSD	53.05	9.812	10.24	.7068	.9255	.6445	42.85

#1	.0032	.2283	.2637	.2482	.2415	.0473	.0086
#2	.0038	.2348	.2445	.2511	.2447	.0476	.0131
#3	.0051	.2243	.2804	.2493	.2463	.0480	.0077
#4	.0096	.2756	.3108	.2522	.2463	.0480	.0190

	0.10	0.10	0.25	0.25	0.25		
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1028	.0997	.2552	.2646	.2548	<.0000	<.0000
SDev	.0042	.0020	.0054	.0027	.0019	.9219	.0305
%RSD	4.127	1.985	2.123	1.011	.7526	72.13	770.4

#1	.1014	.1015	.2528	.2615	.2541	<.0000	<.0000
#2	.0997	.0985	.2510	.2635	.2556	<.0000	<.0000
#3	.1010	.0974	.2538	.2656	.2571	<.0000	<.0000
#4	.1090	.1012	.2631	.2677	.2526	.0301	.0409

	0.25	0.10		0.25	0.25	0.25	0.25
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2478	.0929	.0291	.2457	.2265	.2734	.2643
SDev	.0016	.0011	.0348	.0036	.0207	.0313	.0420
%RSD	.6607	1.138	119.6	1.457	9.146	11.46	15.91

#1	.2457	.0935	.0379	.2420	.2165	.2476	.2697
#2	.2472	.0935	.0145	.2442	.2098	.2476	.2768
#3	.2494	.0913	<.0000	.2462	.2232	.2874	.2056
#4	.2487	.0934	.0729	.2504	.2565	.3111	.3052

		0.25	0.10	0.25	
Elem	Si2881	Tl1908	V_2924	Zn2138	
Avge	.2166	.2986	.0944	.2541	
SDev	.0133	.0317	.0016	.0041	
%RSD	6.126	10.62	1.676	1.599	

#1	.2072	.2863	.0932	.2493
#2	.2166	.2863	.0932	.2522
#3	.2072	.3456	.0948	.2581
#4	.2354	.2762	.0965	.2567

Method: IECW Sample Name: Jrb

Operator: it

Run Time: 09/24/01 11:08:34

Comment:

Mode: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0074	.0391	.0321	<.0000	.0008	.0001	.0064
SDev	.0022	.0205	.0189	.0014	.0008	.0000	.0010
%RSD	29.70	52.44	58.89	174.3	100.3	46.19	16.06

#1	.0096	.0693	.0054	.0004	.0012	.0001	.0049
#2	.0083	.0338	.0321	<.0000	.0012	.0001	.0066
#3	.0045	.0245	.0466	<.0000	.0012	.0001	.0069
#4	.0070	.0286	.0441	<.0000	<.0000	.0001	.0071

Elem	Cd2288	Ce2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0046	.0064	.0047	<.0000	1.504	.0341
SDev	.0004	.0031	.0019	.0018	.0021	.284	.0089
%RSD	76.31	67.59	29.43	37.96	62.64	18.90	26.12

#1	.0000	.0006	.0076	.0065	<.0000	1.895	.0286
#2	<.0000	.0037	.0081	.0044	<.0000	1.293	.0472
#3	<.0000	.0074	.0062	.0023	<.0000	1.293	.0317
#4	<.0000	.0067	.0038	.0054	<.0000	1.534	.0286

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0004	<.0000	.0810	.0039	.0333	.0237	.0907
SDev	.0007	.0092	.0335	.0043	.0280	.0040	.0600
%RSD	192.6	1662.	41.34	110.0	84.10	16.63	66.12

#1	.0006	.0127	.1254	.0047	.0166	.0256	.1209
#2	<.0000	<.0000	.0846	<.0000	.0500	.0257	.0640
#3	<.0000	<.0000	.0467	.0037	.0033	.0178	.0213
#4	.0013	<.0000	.0671	.0089	.0633	.0257	.1567

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.0164	.0296	.0041	.0008
SDev	.0047	.0745	.0012	.0006
%RSD	28.64	251.6	30.02	76.27

#1	.0094	.1186	.0056	.0007
#2	.0187	.0098	.0031	<.0000
#3	.0188	<.0000	.0048	.0015
#4	.0188	.0494	.0031	.0011

Analysis Report

09/24/01 11:14:41 AM

page

Method: IECW Sample Name: 23079

Operator: it

Run Time: 09/24/01 11:12:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0050	.0351	.0534	.0052	.0175	.0001	5.643
SDev	.0022	.0108	.0318	.0019	.0009	.0000	.026
%RSD	44.08	30.80	59.56	36.16	5.297	50.00	.4689

#1	.0057	.0318	.0959	.0034	.0183	.0001	5.614
#2	.0057	.0450	.0192	.0025	.0167	.0001	5.632
#3	.0070	.0423	.0527	.0061	.0183	.0001	5.675
#4	.0018	.0213	.0458	.0069	.0167	.0001	5.652

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0014	.0034	.0057	.0045	.0113	1.564	1.222
SDev	.0015	.0020	.0008	.0013	.0039	.397	.004
%RSD	108.7	58.52	14.25	28.83	34.47	25.42	.3186

#1	.0023	.0053	.0064	.0063	.0062	2.075	1.223
#2	<.0000	.0006	.0059	.0043	.0150	1.594	1.223
#3	.0031	.0042	.0045	.0032	.0136	1.474	1.226
#4	.0006	.0037	.0059	.0043	.0106	1.113	1.217

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0224	.0004	7.570	.0049	.0283	.0176	.0046
SDev	.0007	.0093	.077	.0082	.0192	.0531	.0488
%RSD	3.153	2144.	1.014	165.0	67.63	302.0	1051.

#1	.0219	.0127	7.600	.0149	.0433	.0891	.0421
#2	.0219	<.0000	7.550	<.0000	.0233	.0255	.0349
#3	.0233	<.0000	7.656	.0013	.0033	<.0000	.0064
#4	.0226	.0020	7.475	.0076	.0433	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9630	.0424	.0024	.0011
SDev	.0094	.0520	.0014	.0006
%RSD	.9774	122.6	58.24	49.73

#1	.9583	<.0000	.0006	.0014
#2	.9583	.0671	.0030	.0006
#3	.9771	.0474	.0039	.0018
#4	.9583	.0870	.0022	.0007

analysis report

Method: IECW Sample Name: 23079spk

Operator: it

Run Time: 09/24/01 11:23:28

Comment:

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0163	.3465	.2890	.2656	.2666	.0487	5.552
SDev	.0012	.0151	.0096	.0030	.0013	.0002	.012
%RSD	7.551	4.333	3.336	1.118	.4912	.3807	.2122

#1	.0147	.3288	.2782	.2676	.2682	.0489	5.557
#2	.0172	.3603	.2932	.2637	.2666	.0485	5.535
#3	.0159	.3603	.2850	.2626	.2666	.0486	5.552
#4	.0172	.3445	.3007	.2687	.2650	.0488	5.562

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1065	.1096	.2633	.2813	.2784	2.256	1.233
SDev	.0019	.0019	.0023	.0020	.0021	.547	.025
%RSD	1.826	1.743	.8723	.6975	.7501	24.25	2.023

#1	.1085	.1071	.2633	.2810	.2769	1.774	1.198
#2	.1077	.1102	.2633	.2800	.2813	2.977	1.248
#3	.1043	.1093	.2661	.2800	.2769	1.895	1.232
#4	.1056	.1117	.2605	.2841	.2784	2.376	1.254

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2768	.1093	7.444	.2609	.2989	.2769	.2687
SDev	.0013	.0061	.018	.0090	.0321	.0487	.0363
%RSD	.4556	5.617	.2448	3.451	10.75	17.59	13.51

#1	.2774	.1018	7.448	.2501	.2931	.2153	.2331
#2	.2781	.1082	7.440	.2606	.2564	.3027	.3185
#3	.2752	.1103	7.466	.2722	.3164	.2629	.2544
#4	.2766	.1167	7.422	.2606	.3297	.3266	.2687

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	1.184	.3310	.1067	.2575
SDev	.013	.0373	.0016	.0019
%RSD	1.125	11.27	1.482	.7540

#1	1.184	.2940	.1063	.2603
#2	1.165	.3236	.1080	.2558
#3	1.194	.3236	.1047	.2573
#4	1.194	.3829	.1080	.2566

Analysis Report

09/24/01 11:28:20 AM

page

Method: IECW Sample Name: 23080
 Run Time: 09/24/01 11:26:36
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0071	.0525	.0487	.0040	.0151	.0001	5.630
SDev	.0021	.0161	.0193	.0015	.0000	.0001	.020
%RSD	29.74	30.61	39.60	38.98	.0193	46.66	.3623

#1	.0095	.0765	.0427	.0040	.0151	.0002	5.652
#2	.0076	.0463	.0646	.0025	.0151	.0001	5.639
#3	.0070	.0450	.0634	.0061	.0151	.0001	5.625
#4	.0044	.0423	.0240	.0033	.0151	.0001	5.604

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0006	.0044	.0063	.0063	.0165	1.308	1.230
SDev	.0033	.0024	.0028	.0019	.0048	.539	.022
%RSD	567.6	55.04	45.23	29.84	29.25	41.19	1.796

#1	.0027	.0074	.0097	.0084	.0165	1.895	1.242
#2	<.0000	.0045	.0031	.0053	.0106	.6917	1.248
#3	<.0000	.0039	.0073	.0074	.0224	1.594	1.232
#4	.0036	.0016	.0050	.0043	.0165	1.053	1.198

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0209	.0025	7.112	.0081	.0391	.0394	.0473
SDev	.0004	.0053	.049	.0043	.0191	.0237	.0249
%RSD	1.757	208.4	.6914	53.44	48.85	60.27	52.59

#1	.0211	.0084	7.136	.0128	.0533	.0334	.0775
#2	.0211	.0020	7.160	.0086	.0566	.0176	.0563
#3	.0211	.0041	7.107	.0086	.0166	.0732	.0349
#4	.0204	<.0000	7.046	.0023	.0300	.0335	.0207

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.9442	.0523	.0049	.0007
SDev	.0121	.0384	.0012	.0006
%RSD	1.287	73.33	25.28	84.87

#1	.9583	.0473	.0055	.0010
#2	.9300	.0177	.0055	.0014
#3	.9489	.0374	.0055	.0006
#4	.9395	.1068	.0030	<.0000

Method: IECW Sample Name: 23081

Run Time: 09/24/01 11:29:07

Comment:

Operator: it

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0050	.0348	.0689	.0059	.0159	.0001	5.659
SDev	.0037	.0275	.0243	.0012	.0016	.0001	.009
%RSD	72.73	78.96	35.19	20.85	10.10	108.9	.1609

#1	.0050	.0437	.0599	.0054	.0151	.0001	5.662
#2	.0050	.0423	.0575	.0069	.0151	.0001	5.646
#3	.0095	.0581	.1051	.0043	.0183	.0001	5.666
#4	.0006	<.0000	.0533	.0068	.0151	<.0000	5.663

Elem	Cd2286	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0012	.0033	.0045	.0180	.0121	1.068	1.192
SDev	.0017	.0017	.0010	.0026	.0036	.424	.007
%RSD	141.2	52.04	22.22	14.39	29.96	39.67	.5611

#1	<.0000	.0031	.0041	.0177	.0077	1.173	1.192
#2	.0010	.0023	.0045	.0188	.0121	1.053	1.183
#3	.0023	.0059	.0059	.0209	.0121	1.534	1.198
#4	.0027	.0021	.0036	.0146	.0165	.5113	1.195

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0189	<.0000	6.995	.0073	.0200	.0176	.0439
SDev	.0006	.0035	.026	.0121	.0226	.0159	.0147
%RSD	3.190	79.90	.3751	165.5	113.1	90.44	33.43

#1	.0189	<.0000	6.976	.0013	.0100	<.0000	.0278
#2	.0189	<.0000	7.005	.0002	.0533	.0255	.0420
#3	.0182	<.0000	7.028	.0254	.0133	.0255	.0634
#4	.0196	<.0000	6.973	.0023	.0033	.0257	.0422

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9231	.0450	.0022	.0077
SDev	.0205	.0817	.0012	.0009
%RSD	2.222	181.8	52.75	12.41

#1	.9348	.1661	.0030	.0080
#2	.8925	<.0000	.0022	.0073
#3	.9348	.0078	.0030	.0088
#4	.9301	.0178	.0006	.0066

Analysis Report

09/24/01 11:33:00 AM

page

Method: IECW Sample Name: 23082

Operator: it

Run Time: 09/24/01 11:31:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0054	.0426	.0566	.0057	.0162	.0001	5.794
SDev	.0015	.0059	.0232	.0023	.0008	.0000	.013
%RSD	28.49	13.87	40.98	40.44	4.923	50.00	.2213

#1	.0050	.0423	.0850	.0076	.0166	.0001	5.800
#2	.0044	.0344	.0647	.0072	.0166	.0001	5.802
#3	.0044	.0463	.0323	.0025	.0166	.0001	5.800
#4	.0076	.0476	.0443	.0054	.0150	.0001	5.775

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0019	.0038	.0057	.0136	.0125	1.594	1.207
SDev	.0016	.0030	.0021	.0017	.0022	.203	.011
%RSD	85.79	80.20	36.41	12.45	17.81	12.70	.9125

#1	.0019	.0075	.0050	.0115	.0150	1.835	1.217
#2	.0023	.0044	.0031	.0136	.0136	1.654	1.201
#3	.0036	.0003	.0069	.0157	.0106	1.534	1.217
#4	<.0000	.0028	.0078	.0136	.0106	1.353	1.195

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0195	<.0000	7.190	<.0000	.0200	<.0000	.0688
SDev	.0004	.0020	.042	.0040	.0223	.0150	.1100
%RSD	1.894	73.68	.5857	137.3	111.5	4787.	160.0

#1	.0196	<.0000	7.157	<.0000	.0500	<.0000	.2131
#2	.0196	<.0000	7.250	<.0000	.0233	.0096	.0349
#3	.0196	<.0000	7.165	.0023	.0066	.0017	<.0000
#4	.0189	<.0000	7.189	<.0000	<.0000	.0096	.0777

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9595	.0004	.0035	.0025
SDev	.0081	.1010	.0011	.0009
%RSD	.8399	25070.	30.89	38.18

#1	.9583	.0078	.0030	.0036
#2	.9631	<.0000	.0039	.0021
#3	.9489	<.0000	.0022	.0029
#4	.9678	.1364	.0047	.0014

Method: IECW Sample Name: 23083

Run Time: 09/24/01 11:33:38

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0049	.0459	.0634	.0060	.0171	.0001	5.707
SDev	.0017	.0148	.0111	.0013	.0015	.0000	.021
%RSD	34.57	32.32	17.54	21.87	8.998	50.00	.3677

#1	.0050	.0581	.0596	.0061	.0183	.0001	5.686
#2	.0025	.0318	.0504	.0061	.0150	.0001	5.701
#3	.0063	.0344	.0767	.0043	.0183	.0001	5.706
#4	.0057	.0594	.0668	.0075	.0166	.0001	5.736

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0017	.0031	.0050	.1261	.0224, 024	1.489	1.238
SDev	.0013	.0008	.0008	.0010	.0036	.193	.022
%RSD	72.67	24.05	15.16	.8220	16.12	12.94	1.756

#1	.0023	.0042	.0059	.1266	.0254 +	1.654	1.260
#2	.0002	.0025	.0050	.1245	.0210 +	1.353	1.223
#3	.0014	.0031	.0041	.1266	.0180 —	1.293	1.217
#4	.0031	.0027	.0050	.1266	.0254 T	1.654	1.254

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0318	.0010	7.534	.0005	.0375	<.0000	.0456
SDev	.0009	.0044	.036	.0040	.0185	.0237	.0352
%RSD	2.993	463.1	.4736	829.0	49.45	7131.	77.29

#1	.0329	<.0000	7.515	.0013	.0566	<.0000	.0277
#2	.0307	<.0000	7.539	.0044	.0200	.0096	.0848
#3	.0322	.0020	7.501	<.0000	.0500	<.0000	.0634
#4	.0315	.0063	7.583	.0013	.0233	.0255	.0063

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9865	.0251	.0026	.0069
SDev	.0133	.0687	.0017	.0011
%RSD	1.346	274.0	65.49	15.69

#1	1.005	<.0000	.0022	.0058
#2	.9771	.0078	.0006	.0069
#3	.9772	<.0000	.0030	.0066
#4	.9865	.1264	.0047	.0084

Analysis Report

09/24/01 11:39:00 AM

page

Method: IECW Sample Name: 23084

Operator: it

Run Time: 09/24/01 11:37:16

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0036	.0334	.0648	.0042	.0178	.0000	6.112
SDev	.0012	.0097	.0257	.0011	.0008	.0000	.021
%RSD	33.81	29.14	39.72	26.95	4.502	100.0	.3376

#1	.0044	.0423	.0360	.0033	.0182	.0001	6.102
#2	.0018	.0200	.0984	.0033	.0182	<.0000	6.088
#3	.0037	.0331	.0648	.0054	.0166	.0001	6.134
#4	.0044	.0383	.0599	.0050	.0182	.0001	6.123

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0029	.0024	.0070	.0110	.0113	1.083	1.148
SDev	.0029	.0014	.0014	.0018	.0055	.601	.016
%RSD	99.81	56.20	19.21	16.32	48.25	55.46	1.434

#1	.0040	.0044	.0078	.0094	.0076	1.714	1.167
#2	.0010	.0017	.0074	.0094	.0062	.2707	1.130
#3	.0002	.0013	.0078	.0125	.0136	1.233	1.139
#4	.0065	.0023	.0050	.0125	.0180	1.113	1.155

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0156	<.0000	7.037	<.0000	.0358	.0136	.0065
SDev	.0004	.0027	.067	.0031	.0232	.0103	.0354
%RSD	2.729	236.8	.9502	118.2	64.65	75.39	547.8

#1	.0160	<.0000	6.990	<.0000	.0233	.0176	.0278
#2	.0152	<.0000	7.008	<.0000	.0500	.0256	.0422
#3	.0152	<.0000	7.013	<.0000	.0600	.0017	<.0000
#4	.0160	.0020	7.136	.0002	.0100	.0096	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9714	.0030	.0006	.0069
SDev	.0169	.0607	.0014	.0005
%RSD	1.740	2045.	238.3	7.545

#1	.9820	.0870	.0006	.0065
#2	.9491	<.0000	<.0000	.0069
#3	.9867	.0079	.0022	.0077
#4	.9679	<.0000	.0006	.0065

Method: IECW Sample Name: 23085

Operator: it

Run Time: 09/24/01 11:40:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0058	.0363	.0791	.0043	.0178	.0000	6.317
SDev	.0013	.0049	.0198	.0009	.0008	.0000	.020
%RSD	22.68	13.36	25.04	21.43	4.507	100.0	.3194

#1	.0076	.0396	.1017	.0054	.0182	.0001	6.296
#2	.0057	.0409	.0551	.0047	.0182	.0001	6.337
#3	.0044	.0304	.0863	.0040	.0182	<.0000	6.304
#4	.0057	.0344	.0731	.0032	.0166	.0001	6.331

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0022	.0039	.0182	.0109	1.399	1.199
SDev	.0033	.0007	.0020	.0010	.0030	.242	.022
%RSD	1219.	31.40	51.71	5.678	27.86	17.34	1.819

#1	.0023	.0024	.0050	.0188	.0135	1.113	1.217
#2	.0027	.0014	.0059	.0188	.0091	1.654	1.204
#3	<.0000	.0031	.0036	.0167	.0076	1.293	1.167
#4	<.0000	.0020	.0012	.0188	.0135	1.534	1.207

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0154	.0010	7.299	.0023	.0166	.0255	.0670
SDev	.0009	.0051	.020	.0063	.0348	.0373	.0730
%RSD	6.029	525.4	.2739	273.2	209.3	146.0	109.0

#1	.0152	<.0000	7.299	.0065	<.0000	.0096	.1347
#2	.0152	<.0000	7.311	.0044	.0500	.0335	<.0000
#3	.0145	.0042	7.314	<.0000	<.0000	<.0000	.0777
#4	.0167	.0063	7.270	.0055	.0433	.0732	.0919

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.025	<.0000	.0022	.0033
SDev	.010	.0498	.0012	.0006
%RSD	.9469	2412.	52.66	16.68

#1	1.015	.0078	.0030	.0036
#2	1.024	.0474	.0022	.0025
#3	1.024	.0079	.0006	.0036
#4	1.038	<.0000	.0030	.0036

Analysis Report

09/24/01 12:06:05 PM

Page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 09/24/01 12:04:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4954	.9980	.0230	.9768	.9562	.9587	.9722
SD	.0021	.0160	.0384	.0096	.0046	.0018	.0028
%RSD	.4279	1.601	166.9	.9843	.4839	.1862	.2843

#1	.4952	1.000	.0089	.9724	.9570	.9568	.9761
#2	.4927	.9868	.0713	.9735	.9618	.9588	.9698
#3	.4978	.9855	<.0000	.9911	.9554	.9611	.9707
#4	.4959	1.020	.0314	.9702	.9506	.9582	.9721

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.9725	.9775	.9801	.9428	.9855	<.0000	.9583
SD	.0039	.0045	.0049	.0025	.0026	.5079	.0115
%RSD	.3959	.4575	.4954	.2619	.2596	89.31	1.198

#1	.9674	.9809	.9842	.9412	.9862	<.0000	.9575
#2	.9755	.9715	.9785	.9423	.9818	<.0000	.9451
#3	.9755	.9809	.9739	.9464	.9862	<.0000	.9575
#4	.9714	.9769	.9837	.9412	.9877	.0307	.9731

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.9699	.9518	.9618	.9832	.9669	.8965	<.0000
SD	.0025	.0113	.0285	.0052	.0310	.0484	.0353
%RSD	.2565	1.183	2.961	.5263	3.204	5.400	182.0

#1	.9706	.9369	.9522	.9756	.9786	.8547	.0074
#2	.9713	.9497	.9315	.9851	.9418	.8866	<.0000
#3	.9713	.9582	.9640	.9850	.9418	.9663	<.0000
#4	.9662	.9624	.9995	.9871	1.005	.8785	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	1.011	1.014	.9752	.9908
SD	.011	.033	.0043	.0037
%RSD	1.105	3.295	.4408	.3736

#1	1.012	1.034	.9773	.9875
#2	1.003	.9648	.9740	.9930
#3	1.026	1.034	.9798	.9949
#4	1.003	1.024	.9698	.9879

Analysis Report

09/24/01 12:51:12 PM

page 1

Method: IECW Sample Name: cb
 Run Time: 09/24/01 12:49:27
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0229	<.0000	<.0000	<.0000	<.0000
SDev	.0033	.0176	.0093	.0014	.0008	.0001	.0036
%RSD	28.07	22.53	40.74	91.94	33.43	95.74	17.96

#1	<.0000	<.0000	.0183	<.0000	<.0000	.0000	<.0000
#2	<.0000	<.0000	.0223	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0361	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0149	.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0017	.0016	.0015	.0018	.0035	.5129	.0059
%RSD	135.1	16.14	19.60	24.75	495.0	14.83	7.503

#1	<.0000	<.0000	<.0000	<.0000	.0015	<.0000	<.0000
#2	.0011	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0015	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0004	.0072	.0156	.0058	.0132	.0263	.0255
%RSD	33.51	43.99	27.15	106.3	22.25	111.1	110.9

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	.0141	<.0000
#4	<.0000	<.0000	<.0000	.0016	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0101	<.0000	<.0000
SDev	.0139	.0128	.0017	.0003
%RSD	28.14	126.7	20.62	48.17

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0251	<.0000	<.0000
#3	<.0000	.0052	<.0000	<.0000
#4	<.0000	.0151	<.0000	<.0000

Analysis Report

09/24/01 01:12:14 PM

page 1

Method: IECW Sample Name: 23123

Operator: it

Run Time: 09/24/01 13:10:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0468	.0034	.0139	<.0000	5.507
SDev	.0007	.0147	.0394	.0019	.0015	.0000	.006
%RSD	18.81	46.27	84.13	54.09	11.05	46.19	.1137

#1	<.0000	<.0000	.0278	.0040	.0143	<.0000	5.502
#2	<.0000	<.0000	.0466	.0025	.0159	<.0000	5.515
#3	<.0000	<.0000	.1018	.0058	.0127	<.0000	5.508
#4	<.0000	<.0000	.0112	.0015	.0127	<.0000	5.502

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0162	<.0000	1.174
SDev	.0007	.0024	.0008	.0018	.0031	.5462	.017
%RSD	41.84	52.52	96.28	81.33	19.01	21.54	1.413

#1	<.0000	<.0000	<.0000	<.0000	.0125	<.0000	1.157
#2	<.0000	<.0000	<.0000	<.0000	.0154	<.0000	1.191
#3	<.0000	<.0000	<.0000	<.0000	.0199	<.0000	1.185
#4	<.0000	<.0000	<.0000	<.0000	.0169	<.0000	1.163

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0254	<.0000	3.694	.0013	<.0000	<.0000	.0156
SDev	.0007	.0061	.024	.0064	.0159	.0000	.0556
%RSD	2.788	76.00	.6579	496.0	50.12	.4419	355.5

#1	.0259	<.0000	3.678	<.0000	<.0000	<.0000	.0765
#2	.0259	<.0000	3.701	.0023	<.0000	<.0000	.0406
#3	.0245	<.0000	3.725	<.0000	<.0000	<.0000	<.0000
#4	.0252	<.0000	3.672	.0097	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6751	.0626	<.0000	.0029
SDev	.0097	.1036	.0017	.0006
%RSD	1.444	165.4	45.12	19.23

#1	.6857	.2117	<.0000	.0024
#2	.6762	<.0000	<.0000	.0031
#3	.6762	.0427	<.0000	.0035
#4	.6621	.0229	<.0000	.0024

Analysis Report

09/24/01 01:14:20 PM

page

Method: IECW Sample Name: 23124
 Run Time: 09/24/01 13:12:36
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0469	.0032	.0123	<.0000	5.568
SDev	.0024	.0154	.0262	.0017	.0008	.0000	.014
%RSD	31.75	45.05	55.90	53.81	6.529	46.19	.2594
#1	<.0000	<.0000	.0735	.0008	.0127	<.0000	5.570
#2	<.0000	<.0000	.0493	.0040	.0111	<.0000	5.550
#3	<.0000	<.0000	.0109	.0033	.0127	<.0000	5.566
#4	<.0000	<.0000	.0539	.0047	.0127	<.0000	5.585
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0006	<.0000	<.0000	<.0000	.0143	<.0000	1.128
SDev	.0000	.0017	.0023	.0020	.0014	.4304	.027
%RSD	.2319	184.8	81.97	61.16	9.844	17.07	2.423
#1	.0006	<.0000	<.0000	<.0000	.0125	<.0000	1.097
#2	.0006	<.0000	<.0000	<.0000	.0140	<.0000	1.157
#3	.0006	<.0000	<.0000	<.0000	.0155	<.0000	1.113
#4	.0006	.0014	.0000	<.0000	.0154	<.0000	1.144
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0224	<.0000	3.715	.0029	<.0000	<.0000	.0139
SDev	.0004	.0032	.039	.0056	.0234	.0238	.0617
%RSD	1.643	65.80	1.040	194.9	140.1	119.1	444.4
#1	.0222	<.0000	3.737	<.0000	<.0000	.0060	<.0000
#2	.0222	<.0000	3.678	<.0000	<.0000	<.0000	.1051
#3	.0222	<.0000	3.687	.0087	<.0000	<.0000	<.0000
#4	.0230	<.0000	3.757	.0065	.0117	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.6432	.0478	<.0000	.0024			
SDev	.0200	.0368	.0018	.0000			
%RSD	3.116	76.87	62.16	.0676			
#1	.6197	.0926	<.0000	.0024			
#2	.6337	.0428	<.0000	.0024			
#3	.6574	.0031	<.0000	.0024			
#4	.6621	.0527	<.0000	.0024			

Analysis Report

09/24/01 01:16:35 PM

page 1

Method: IECW Sample Name: 23125

Operator: it

Run Time: 09/24/01 13:14:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1524	.0099	.0230	<.0000	21.46
SDev	.0008	.0044	.0407	.0015	.0009	.0000	.09
%RSD	9.198	6.942	26.70	15.69	4.027	.0000	.4313

#1	<.0000	<.0000	.1078	.0120	.0238	<.0000	21.50
#2	<.0000	<.0000	.2011	.0084	.0222	<.0000	21.57
#3	<.0000	<.0000	.1330	.0092	.0222	<.0000	21.37
#4	<.0000	<.0000	.1677	.0099	.0238	<.0000	21.40

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0378	<.0000	7.162
SDev	.0014	.0006	.0020	.0018	.0037	.7446	.030
%RSD	86.62	10.93	110.3	38.24	9.824	38.45	.4238

#1	<.0000	<.0000	<.0000	<.0000	.0374	<.0000	7.183
#2	.0003	<.0000	<.0000	<.0000	.0330	<.0000	7.176
#3	<.0000	<.0000	<.0000	<.0000	.0419	<.0000	7.117
#4	<.0000	<.0000	.0010	<.0000	.0389	<.0000	7.173

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1084	<.0000	27.97	.0016	<.0000	<.0000	.0505
SDev	.0004	.0056	.12	.0051	.0151	.0471	.0411
%RSD	.3399	62.96	.4429	314.1	56.40	64.78	81.32

#1	.1090	<.0000	27.94	.0082	<.0000	<.0000	.0880
#2	.1082	<.0000	28.13	<.0000	<.0000	<.0000	.0737
#3	.1082	<.0000	28.00	.0030	<.0000	<.0000	<.0000
#4	.1082	<.0000	27.83	<.0000	<.0000	<.0000	.0451

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.645	.0655	<.0000	<.0000
SDev	.007	.0521	.0018	.0006
%RSD	.2664	79.59	29.96	25390.

#1	2.651	.1127	<.0000	.0006
#2	2.651	.0928	<.0000	<.0000
#3	2.637	<.0000	<.0000	.0003
#4	2.641	.0630	<.0000	<.0000

Analysis Report

09/24/01 01:18:41 PM

page

Method: IECW Sample Name: 23258

Operator: it.

Run Time: 09/24/01 13:16:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0289	.0023	.0127	<.0000	5.492
SDev	.0017	.0094	.0322	.0014	.0000	.0000	.014
%RSD	18.27	17.60	111.6	59.29	.0137	25.66	.2544

#1	<.0000	<.0000	.0446	.0036	.0127	<.0000	5.475
#2	<.0000	<.0000	.0377	.0004	.0127	<.0000	5.508
#3	<.0000	<.0000	<.0000	.0026	.0127	<.0000	5.487
#4	<.0000	<.0000	.0520	.0026	.0127	<.0000	5.496

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	<.0000	<.0000	<.0000	.0155	<.0000	1.136
SDev	.0023	.0023	.0008	.0010	.0027	.1693	.028
%RSD	889.2	35.11	21.78	19.50	17.46	5.480	2.468

#1	.0023	<.0000	<.0000	<.0000	.0184	<.0000	1.138
#2	<.0000	<.0000	<.0000	<.0000	.0140	<.0000	1.169
#3	.0019	<.0000	<.0000	<.0000	.0169	<.0000	1.138
#4	<.0000	<.0000	<.0000	<.0000	.0125	<.0000	1.100

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0191	<.0000	7.377	<.0000	<.0000	<.0000	<.0000
SDev	.0016	.0047	.066	.0027	.0138	.0445	.0504
%RSD	8.579	51.92	.8897	334.6	36.57	89.45	198.2

#1	.0185	<.0000	7.354	.0023	<.0000	.0139	<.0000
#2	.0171	<.0000	7.300	.0002	<.0000	<.0000	<.0000
#3	.0208	<.0000	7.401	<.0000	<.0000	<.0000	.0408
#4	.0200	<.0000	7.454	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9174	.1199	<.0000	<.0000
SDev	.0095	.0565	.0011	.0006
%RSD	1.035	47.11	18.94	713.8

#1	.9221	.0826	<.0000	<.0000
#2	.9032	.0627	<.0000	.0002
#3	.9221	.1522	<.0000	<.0000
#4	.9222	.1820	<.0000	.0006

Method: IECW Sample Name: 23259

Operator: it

Run Time: 09/24/01 13:19:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0493	.0037	.0127	<.0000	5.523
SDev	.0010	.0101	.0161	.0006	.0000	.0000	.013
%RSD	16.88	29.04	32.73	16.47	.0124	.0000	.2384

#1	<.0000	<.0000	.0444	.0029	.0127	<.0000	5.532
#2	<.0000	<.0000	.0731	.0043	.0127	<.0000	5.516
#3	<.0000	<.0000	.0375	.0040	.0127	<.0000	5.508
#4	<.0000	<.0000	.0421	.0036	.0127	<.0000	5.536

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0155	<.0000	1.144
SDev	.0007	.0015	.0015	.0000	.0021	.5079	.012
%RSD	34.98	54.29	1433.	.0152	13.55	18.67	1.019

#1	<.0000	<.0000	.0009	<.0000	.0154	<.0000	1.147
#2	<.0000	<.0000	<.0000	<.0000	.0169	<.0000	1.157
#3	<.0000	<.0000	.0010	<.0000	.0169	<.0000	1.129
#4	<.0000	<.0000	.0000	<.0000	.0125	<.0000	1.144

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0158	<.0000	6.998	.0002	<.0000	.0039	<.0000
SDev	.0004	.0064	.070	.0048	.0124	.0271	.0148
%RSD	2.345	69.83	1.001	1995.	52.84	694.8	67.37

#1	.0156	<.0000	6.913	.0002	<.0000	.0059	<.0000
#2	.0156	<.0000	7.085	.0065	<.0000	.0298	<.0000
#3	.0163	<.0000	7.002	<.0000	<.0000	<.0000	<.0000
#4	.0156	<.0000	6.993	<.0000	<.0000	.0139	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9044	<.0000	<.0000	.0003
SDev	.0156	.0774	.0010	.0006
%RSD	1.725	1129.	30.94	218.0

#1	.8938	.0428	<.0000	.0002
#2	.9221	<.0000	<.0000	<.0000
#3	.8891	<.0000	<.0000	.0009
#4	.9127	.0528	<.0000	.0006

Analysis Report

09/24/01 01:23:32 PM

page

Method: IECW Sample Name: 23260
 Run Time: 09/24/01 13:21:47
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0720	.0026	.0147	<.0000	5.719
SDev	.0029	.0176	.0254	.0012	.0008	.0000	.009
%RSD	46.76	54.64	35.30	45.17	5.470	33.33	.1620

#1	<.0000	<.0000	.0350	.0040	.0143	<.0000	5.712
#2	<.0000	<.0000	.0756	.0033	.0143	<.0000	5.723
#3	<.0000	<.0000	.0872	.0015	.0143	<.0000	5.730
#4	<.0000	<.0000	.0900	.0018	.0159	<.0000	5.711

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	.0050	.0151	<.0000	1.151
SDev	.0014	.0030	.0028	.0020	.0033	.5776	.031
%RSD	67.73	61.56	98.05	39.34	21.81	23.34	2.710

#1	<.0000	<.0000	<.0000	.0035	.0184	<.0000	1.113
#2	<.0000	<.0000	<.0000	.0035	.0110	<.0000	1.144
#3	<.0000	<.0000	<.0000	.0076	.0139	<.0000	1.188
#4	<.0000	<.0000	<.0000	.0056	.0169	<.0000	1.160

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0221	<.0000	7.707	<.0000	<.0000	<.0000	.0121
SDev	.0007	.0032	.060	.0103	.0149	.0200	.0254
%RSD	3.212	54.06	.7823	276.7	63.38	142.8	210.7

#1	.0230	<.0000	7.673	.0066	<.0000	<.0000	<.0000
#2	.0215	<.0000	7.699	.0034	<.0000	<.0000	<.0000
#3	.0215	<.0000	7.794	<.0000	<.0000	<.0000	.0334
#4	.0222	<.0000	7.661	<.0000	<.0000	.0059	.0336

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.9339	<.0000	<.0000	.0011
SDev	.0081	.0256	.0008	.0005
%RSD	.8727	372.7	20.78	42.58

#1	.9222	<.0000	<.0000	.0006
#2	.9410	.0230	<.0000	.0017
#3	.9362	.0030	<.0000	.0013
#4	.9363	<.0000	<.0000	.0009

Method: IECW Sample Name: 23261

Operator: it

Run Time: 09/24/01 13:23:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0640	.0023	.0135	<.0000	5.598
SDev	.0036	.0267	.0498	.0016	.0016	.0001	.014
%RSD	50.25	70.05	77.84	72.62	11.89	63.83	.2471

#1	<.0000	<.0000	<.0000	.0025	.0127	<.0000	5.588
#2	<.0000	<.0000	.1021	.0000	.0127	<.0000	5.617
#3	<.0000	<.0000	.0615	.0040	.0127	<.0000	5.599
#4	<.0000	.0019	.0978	.0025	.0159	<.0000	5.588

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0123	.0339	31.7<.0000	1.121
SDev	.0018	.0015	.0037	.0027	.0046	.5690	.036
%RSD	309.1	25.80	189.3	22.29	13.52	21.04	3.218

#1	<.0000	<.0000	<.0000	.0097	.0302	<.0000	1.107
#2	<.0000	<.0000	<.0000	.0128	.0332	<.0000	1.107
#3	<.0000	<.0000	<.0000	.0108	.0317	<.0000	1.097
#4	.0019	<.0000	.0028	.0159	.0406	<.0000	1.175

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0200	<.0000	6.931	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0037	.048	.0060	.0255	.0171	.0222
%RSD	5.210	52.36	.6954	227.9	55.50	50.56	110.5

#1	.0185	<.0000	6.969	<.0000	<.0000	<.0000	<.0000
#2	.0208	<.0000	6.863	.0045	<.0000	<.0000	<.0000
#3	.0200	<.0000	6.961	<.0000	<.0000	<.0000	<.0000
#4	.0208	<.0000	6.931	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9115	.0428	<.0000	.0016
SDev	.0024	.0292	.0035	.0003
%RSD	.2574	68.24	84.23	22.47

#1	.9080	.0031	<.0000	.0020
#2	.9127	.0727	<.0000	.0017
#3	.9128	.0429	<.0000	.0013
#4	.9126	.0526	<.0000	.0013

Analysis Report

09/24/01 01:30:12 PM

page

Method: IECW Sample Name: ipc
 Run Time: 09/24/01 13:28:04
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4999	1.009	<.0000	.9827	.9657	.9653	.9919
SDev	.0040	.020	.0296	.0045	.0000	.0031	.0063
%RSD	.7932	2.006	599.6	.4597	.0002	.3235	.6307

#1	.4975	.9978	<.0000	.9761	.9657	.9625	.9936
#2	.4982	.9872	.0074	.9861	.9657	.9646	.9834
#3	.4982	1.019	<.0000	.9847	.9657	.9643	.9922
#4	.5059	1.032	.0283	.9839	.9657	.9698	.9984

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9790	.9830	.9834	.9516	.9914	<.0000	.9679
SDev	.0049	.0056	.0041	.0031	.0064	.7305	.0251
%RSD	.5038	.5655	.4133	.3268	.6478	151.9	2.596

#1	.9768	.9792	.9855	.9501	.9881	<.0000	.9523
#2	.9751	.9773	.9780	.9501	.9851	<.0000	.9461
#3	.9777	.9873	.9827	.9501	.9925	<.0000	.9710
#4	.9862	.9882	.9873	.9563	.9999	.1503	1.002

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9740	.9550	.9545	.9781	.9490	.9036	<.0000
SDev	.0011	.0239	.0161	.0036	.0257	.0293	.0271
%RSD	.1136	2.508	1.688	.3673	2.708	3.241	44.72

#1	.9731	.9289	.9383	.9744	.9156	.8838	<.0000
#2	.9746	.9438	.9767	.9828	.9423	.8758	<.0000
#3	.9731	.9630	.9501	.9786	.9723	.9154	<.0000
#4	.9753	.9842	.9530	.9765	.9657	.9392	<.0000

Elem	Si2881	Tl1908	v_2924	Zn2138
Avge	1.007	1.025	.9782	.9980
SDev	.023	.077	.0027	.0027
%RSD	2.244	7.468	.2704	.2730

#1	1.019	.9799	.9763	.9962
#2	.9763	.9899	.9771	.9969
#3	1.005	1.139	.9771	.9969
#4	1.028	.9897	.9821	1.002

Analysis Report

09/24/01 01:34:07 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 09/24/01 13:32:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0010	.0007	<.0000	.0020	<.0000	.0001	<.0000
SDev	.0033	.0358	.0116	.0020	.0019	.0000	.0047
%RSD	346.4	5409.	242.5	102.7	462.4	76.98	119.5

#1	<.0000	<.0000	<.0000	.0031	.0012	.0001	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0000	<.0000
#3	.0051	.0475	.0090	.0042	.0012	.0001	.0023
#4	.0019	<.0000	<.0000	.0006	<.0000	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	.0001	.0012	<.0000	.0004	<.0000	<.0000
SDev	.0007	.0022	.0038	.0015	.0037	.3907	.0245
%RSD	688.8	1569.	319.9	300.0	987.4	866.9	185.6

#1	.0007	.0005	.0028	.0003	<.0000	<.0000	.0078
#2	.0007	<.0000	<.0000	<.0000	.0008	.1503	<.0000
#3	<.0000	.0028	.0056	.0013	.0052	.3306	.0078
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0004	.0069	<.0000	.0008	.0234	.0437	<.0000
SDev	.0004	.0056	.0462	.0058	.0355	.0163	.0395
%RSD	99.47	80.91	260.2	730.6	151.8	37.25	550.7

#1	.0006	.0064	<.0000	.0076	<.0000	.0457	.0323
#2	<.0000	.0022	<.0000	<.0000	.0217	.0220	<.0000
#3	.0006	.0042	.0488	.0034	.0684	.0614	<.0000
#4	.0006	.0149	<.0000	<.0000	.0217	.0457	.0180

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0036	<.0000	.0010	<.0000
SDev	.0081	.0732	.0021	.0012
%RSD	228.5	117.6	199.8	330.0

#1	.0012	.0274	<.0000	<.0000
#2	<.0000	<.0000	.0000	<.0000
#3	.0153	<.0000	.0041	.0008
#4	.0012	<.0000	.0000	.0005

Analysis Report

09/24/01 01:36:35 PM

page

Method: IECW Sample Name: lfb
 Run Time: 09/24/01 13:34:44
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it.

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0071	.2459	.2216	.2495	.2396	.0476	.0130
SDev	.0043	.0157	.0323	.0023	.0008	.0001	.0042
%RSD	61.21	6.384	14.57	.9225	.3344	.3101	32.14

#1	.0135	.2676	.2627	.2481	.2400	.0475	.0176
#2	.0058	.2452	.1850	.2521	.2400	.0478	.0154
#3	.0045	.2307	.2260	.2506	.2384	.0475	.0105
#4	.0045	.2399	.2127	.2470	.2400	.0475	.0086

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1013	.1005	.2457	.2590	.2602	<.0000	<.0000
SDev	.0022	.0028	.0021	.0010	.0057	.8619	.0220
%RSD	2.126	2.760	.8399	.4003	2.202	36.53	104.6

#1	.1041	.1030	.2477	.2595	.2625	<.0000	<.0000
#2	.0998	.1026	.2435	.2595	.2610	<.0000	<.0000
#3	.0994	.0973	.2472	.2595	.2521	<.0000	<.0000
#4	.1019	.0990	.2444	.2574	.2654	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2439	.0993	<.0000	.2425	.2277	.2691	.2462
SDev	.0014	.0061	.0484	.0065	.0135	.0076	.0422
%RSD	.5802	6.146	181.4	2.681	5.908	2.832	17.13

#1	.2428	.1062	<.0000	.2515	.2418	.2671	.2891
#2	.2457	.0998	<.0000	.2389	.2218	.2592	.2175
#3	.2428	.0913	.0251	.2431	.2352	.2751	.2032
#4	.2443	.0998	<.0000	.2368	.2118	.2751	.2749

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1982	.2584	.0965	.2511
SDev	.0141	.0729	.0021	.0014
%RSD	7.093	28.21	2.142	.5560

#1	.2183	.3057	.0967	.2520
#2	.1947	.1962	.0992	.2520
#3	.1947	.3356	.0959	.2512
#4	.1853	.1962	.0942	.2490

Method: IECW Sample Name: lrb

Operator: it

Run Time: 09/24/01 13:37:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0010	.0069	<.0000	.0022	<.0000	.0000	<.0000
SDev	.0035	.0134	.0142	.0019	.0000	.0000	.0019
%RSD	363.1	193.2	102.0	84.21	.1563	100.0	66.55

#1	<.0000	<.0000	<.0000	.0013	<.0000	.0000	<.0000
#2	.0000	.0013	<.0000	.0021	<.0000	.0000	<.0000
#3	.0051	.0198	.0021	.0049	<.0000	.0001	<.0000
#4	.0019	.0158	<.0000	.0006	<.0000	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0013	.0003	.0015	<.0000	<.0000
SDev	.0004	.0015	.0023	.0022	.0008	.7113	.0080
%RSD	63.82	311.1	181.1	863.9	57.65	2367.	103.2

#1	<.0000	<.0000	.0028	<.0000	.0007	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0003	.0022	<.0000	<.0000
#3	<.0000	<.0000	.0037	.0034	.0007	.9919	<.0000
#4	<.0000	.0010	<.0000	<.0000	.0022	<.0000	.0016

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0004	.0016	<.0000	<.0000	.0225	.0337	<.0000
SDev	.0007	.0027	.0375	.0022	.0160	.0293	.0477
%RSD	191.2	167.9	187.9	45.82	70.91	86.93	177.2

#1	<.0000	<.0000	<.0000	<.0000	.0017	.0060	.0036
#2	<.0000	.0043	<.0000	<.0000	.0184	.0139	<.0000
#3	.0006	.0021	<.0000	<.0000	.0350	.0456	.0035
#4	.0013	.0021	.0281	<.0000	.0350	.0694	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0000	<.0000	.0010	.0003
SDev	.0222	.0326	.0030	.0006
%RSD	156900.	145.2	287.5	231.0

#1	.0059	.0175	<.0000	<.0000
#2	<.0000	<.0000	.0025	.0005
#3	.0059	<.0000	.0033	.0008
#4	.0201	<.0000	.0017	.0005

Analysis Report

09/24/01 01:41:45 PM

page

Method: IECW Sample Name: 23262

Operator: itf

Run Time: 09/24/01 13:40:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0347	.0059	.0143	<.0000	5.664
SDev	.0010	.0025	.0380	.0011	.0016	.0001	.023
%RSD	25.46	19.07	109.5	18.99	11.24	80.00	.4036

#1	<.0000	<.0000	.0402	.0057	.0135	<.0000	5.638
#2	<.0000	<.0000	.0737	.0050	.0135	.0000	5.688
#3	<.0000	<.0000	.0426	.0075	.0135	<.0000	5.679
#4	<.0000	<.0000	<.0000	.0053	.0167	<.0000	5.653

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0004	<.0000	<.0000	.0100	.0191	<.0000	1.164
SDev	.0013	.0009	.0017	.0013	.0036	.2960	.011
%RSD	345.2	43.72	73.60	13.43	18.92	22.13	.9595

#1	<.0000	<.0000	<.0000	.0115	.0162	<.0000	1.148
#2	.0020	<.0000	<.0000	.0084	.0206	<.0000	1.170
#3	<.0000	<.0000	<.0000	.0095	.0236	<.0000	1.173
#4	.0007	<.0000	<.0000	.0105	.0162	<.0000	1.166

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0208	<.0000	7.700	<.0000	<.0000	.0118	<.0000
SDev	.0009	.0047	.062	.0070	.0110	.0254	.0403
%RSD	4.598	784.3	.8000	377.0	88.12	216.2	199.0

#1	.0219	.0042	7.623	<.0000	<.0000	.0217	.0031
#2	.0197	<.0000	7.774	.0052	<.0000	<.0000	.0246
#3	.0204	<.0000	7.703	<.0000	<.0000	.0296	<.0000
#4	.0211	.0021	7.700	<.0000	<.0000	.0217	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.9252	.0130	<.0000	.0006
SDev	.0161	.0738	.0004	.0004
%RSD	1.737	568.4	11.57	65.71

#1	.9382	.0554	<.0000	.0011
#2	.9051	<.0000	<.0000	.0004
#3	.9193	<.0000	<.0000	.0004
#4	.9382	.0952	<.0000	.0004

Method: IECW Sample Name: 23263

Operator: it

Run Time: 09/24/01 13:52:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0052	.0135	<.0000	5.586
SDev	.0019	.0208	.0292	.0007	.0000	.0000	.009
%RSD	36.17	89.91	245.4	13.22	.0144	33.33	.1541

#1	<.0000	<.0000	.0263	.0046	.0135	<.0000	5.584
#2	<.0000	<.0000	<.0000	.0053	.0135	<.0000	5.596
#3	<.0000	<.0000	<.0000	.0046	.0135	<.0000	5.576
#4	<.0000	<.0000	<.0000	.0060	.0135	<.0000	5.590

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0110	.0225 <i>24</i>	<.0000	1.104
SDev	.0019	.0013	.0013	.0018	.0031	.3162	.033
%RSD	146.3	39.40	167.8	16.30	13.56	25.05	3.005

#1	.0015	<.0000	<.0000	.0095	.0192	<.0000	1.076
#2	<.0000	<.0000	.0003	.0105	.0265 <i>+</i>	<.0000	1.086
#3	<.0000	<.0000	<.0000	.0105	.0221 <i>+</i>	<.0000	1.104
#4	<.0000	<.0000	.0002	.0136	.0221 <i>+</i>	<.0000	1.151

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0173	.0005	6.753	<.0000	.0025	<.0000	<.0000
SDev	.0007	.0020	.094	.0076	.0088	.0300	.0206
%RSD	4.108	432.6	1.388	321.6	349.9	734.6	86.53

#1	.0182	.0021	6.686	<.0000	<.0000	.0297	<.0000
#2	.0174	<.0000	6.831	.0031	.0017	.0058	<.0000
#3	.0167	<.0000	6.659	.0052	.0150	<.0000	<.0000
#4	.0167	.0021	6.837	<.0000	<.0000	<.0000	.0030

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9182	<.0000	<.0000	.0020
SDev	.0081	.0206	.0015	.0005
%RSD	.8803	33.37	88.31	23.29

#1	.9289	<.0000	<.0000	.0019
#2	.9100	<.0000	<.0000	.0015
#3	.9194	<.0000	<.0000	.0022
#4	.9146	<.0000	<.0000	.0026

Analysis Report

09/24/01 01:59:38 PM

page

Method: IECW Sample Name: 23263spk

Operator: it

Run Time: 09/24/01 13:57:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0017	.2458	.2529	.2591	.2570	.0477	5.498
SDev	.0017	.0075	.0376	.0020	.0000	.0001	.007
%RSD	100.7	3.035	14.88	.7636	.0002	.2449	.1277

#1	<.0000	.2353	.2395	.2578	.2570	.0478	5.491
#2	.0031	.2511	.3053	.2600	.2570	.0478	5.498
#3	.0018	.2458	.2166	.2614	.2570	.0478	5.508
#4	.0025	.2511	.2501	.2571	.2570	.0475	5.495

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1021	.0977	.2479	.2824	.2835	<.0000	1.079
SDev	.0022	.0023	.0038	.0013	.0033	.2660	.023
%RSD	2.192	2.382	1.526	.4620	1.158	15.66	2.143

#1	.1010	.0995	.2456	.2822	.2794	<.0000	1.086
#2	.1019	.0956	.2531	.2842	.2824	<.0000	1.095
#3	.1053	.0956	.2484	.2811	.2868	<.0000	1.045
#4	.1002	.0998	.2446	.2822	.2853	<.0000	1.092

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2645	.0950	6.702	.2470	.2243	.2471	.1990
SDev	.0009	.0096	.027	.0033	.0137	.0238	.0488
%RSD	.3607	10.09	.4037	1.345	6.119	9.635	24.51

#1	.2634	.1061	6.718	.2428	.2252	.2273	.2170
#2	.2641	.0955	6.730	.2502	.2085	.2749	.2456
#3	.2656	.0955	6.689	.2460	.2218	.2590	.1309
#4	.2648	.0827	6.671	.2491	.2418	.2272	.2026

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.109	.2815	.0937	.2531
SDev	.014	.0393	.0011	.0008
%RSD	1.219	13.96	1.138	.3233

#1	1.099	.2640	.0933	.2541
#2	1.127	.3138	.0950	.2534
#3	1.099	.2342	.0925	.2523
#4	1.113	.3138	.0942	.2526

Method: IECW Sample Name: 23264

Operator: it

Run Time: 09/24/01 14:00:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0199	.0051	.0154	<.0000	5.998
SDev	.0019	.0086	.0236	.0004	.0008	.0000	.024
%RSD	33.38	39.12	118.8	7.015	5.181	50.00	.3941

#1	<.0000	<.0000	.0092	.0046	.0150	<.0000	6.003
#2	<.0000	<.0000	<.0000	.0053	.0150	<.0000	6.002
#3	<.0000	<.0000	.0210	.0053	.0150	<.0000	5.966
#4	<.0000	<.0000	.0522	.0053	.0166	<.0000	6.023

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0048	.0176	<.0000	1.093
SDev	.0010	.0026	.0015	.0018	.0047	.4373	.008
%RSD	178.0	160.7	94.00	37.56	26.51	37.79	.7114

#1	.0007	<.0000	<.0000	.0053	.0206	<.0000	1.092
#2	<.0000	<.0000	<.0000	.0022	.0117	<.0000	1.082
#3	<.0000	<.0000	.0002	.0053	.0221	<.0000	1.101
#4	<.0000	.0023	<.0000	.0063	.0162	<.0000	1.095

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0171	<.0000	7.201	<.0000	<.0000	<.0000	<.0000
SDev	.0013	.0074	.009	.0045	.0230	.0290	.0385
%RSD	7.491	12290.	.1227	189.1	145.3	288.8	54.76

#1	.0167	.0021	7.188	<.0000	<.0000	.0217	<.0000
#2	.0160	.0021	7.209	.0010	<.0000	<.0000	<.0000
#3	.0189	<.0000	7.203	.0010	.0150	.0058	<.0000
#4	.0167	.0063	7.203	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9501	<.0000	<.0000	.0031
SDev	.0091	.0442	.0017	.0012
%RSD	.9522	112.7	47.76	38.94

#1	.9477	<.0000	<.0000	.0022
#2	.9572	<.0000	<.0000	.0048
#3	.9383	<.0000	<.0000	.0022
#4	.9572	.0156	<.0000	.0033

Analysis Report

09/24/01 02:04:40 PM

page

Method: IECW Sample Name: 23270

Operator: it

Run Time: 09/24/01 14:02:56

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0965	.0124	.0230	<.0000	21.03
SDev	.0019	.0071	.0090	.0012	.0018	.0000	.09
%RSD	34.54	22.43	9.359	9.834	8.000	33.33	.4289

#1	<.0000	<.0000	.0844	.0134	.0246	<.0000	21.02
#2	<.0000	<.0000	.0966	.0134	.0214	<.0000	20.99
#3	<.0000	<.0000	.1061	.0120	.0246	<.0000	21.16
#4	<.0000	<.0000	.0990	.0109	.0214	<.0000	20.95

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0353	<.0000	6.984
SDev	.0009	.0018	.0039	.0015	.0021	.3453	.023
%RSD	62.34	49.93	243.2	42.55	5.921	191.5	.3349

#1	<.0000	<.0000	<.0000	<.0000	.0367	.2705	7.005
#2	<.0000	<.0000	<.0000	<.0000	.0323	<.0000	6.965
#3	<.0000	<.0000	.0037	<.0000	.0353	<.0000	7.002
#4	<.0000	<.0000	<.0000	<.0000	.0368	<.0000	6.962

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1001	<.0000	27.09	<.0000	<.0000	.0069	<.0000
SDev	.0007	.0047	.10	.0065	.0298	.0228	.0843
%RSD	.7367	90.37	.3675	441.0	108.2	328.8	979.9

#1	.1005	<.0000	27.03	<.0000	.0083	.0049	.0147
#2	.1005	<.0000	27.11	.0080	<.0000	.0050	<.0000
#3	.1005	<.0000	27.23	<.0000	<.0000	.0367	.1007
#4	.0990	<.0000	27.01	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.451	.0012	<.0000	<.0000
SDev	.024	.0251	.0018	.0006
%RSD	.9850	2063.	49.23	151.1

#1	2.466	.0261	<.0000	.0001
#2	2.438	.0062	<.0000	<.0000
#3	2.475	<.0000	<.0000	.0001
#4	2.423	.0062	<.0000	<.0000

Method: IECW Sample Name: 23271

Operator: it

Run Time: 09/24/01 14:05:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0319	.0052	.0135	<.0000	5.412
SDev	.0017	.0105	.0411	.0009	.0000	.0000	.014
%RSD	24.16	41.73	128.6	16.65	.0121	25.00	.2619

#1	<.0000	<.0000	.0549	.0064	.0135	<.0000	5.395
#2	<.0000	<.0000	<.0000	.0050	.0135	<.0000	5.410
#3	<.0000	<.0000	.0355	.0046	.0135	<.0000	5.429
#4	<.0000	<.0000	.0643	.0046	.0135	<.0000	5.416

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0184	<.0000	1.111
SDev	.0016	.0009	.0006	.0013	.0035	.4538	.009
%RSD	79.39	19.77	16.33	30.48	19.11	24.35	.8240

#1	<.0000	<.0000	<.0000	<.0000	.0162	<.0000	1.104
#2	<.0000	<.0000	<.0000	<.0000	.0147	<.0000	1.120
#3	<.0000	<.0000	<.0000	<.0000	.0206	<.0000	1.117
#4	<.0000	<.0000	<.0000	<.0000	.0221	<.0000	1.101

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0246	<.0000	3.660	<.0000	<.0000	.0039	<.0000
SDev	.0007	.0025	.036	.0014	.0169	.0188	.0317
%RSD	2.869	57.06	.9840	28.62	96.37	486.3	64.95

#1	.0241	.0000	3.643	<.0000	<.0000	.0059	<.0000
#2	.0241	<.0000	3.640	<.0000	<.0000	<.0000	<.0000
#3	.0248	<.0000	3.643	<.0000	.0017	.0297	<.0000
#4	.0256	<.0000	3.714	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6752	<.0000	<.0000	.0013
SDev	.0097	.0355	.0017	.0009
%RSD	1.441	80.25	27.51	67.26

#1	.6881	<.0000	<.0000	.0008
#2	.6740	<.0000	<.0000	.0008
#3	.6740	<.0000	<.0000	.0011
#4	.6646	<.0000	<.0000	.0026

Analysis Report

09/24/01 02:08:55 PM

page

Method: IECW Sample Name: 23272

Run Time: 09/24/01 14:07:11

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0101	.0035	.0119	<.0000	5.461
SDev	.0018	.0126	.0301	.0012	.0013	.0000	.007
%RSD	22.29	22.47	297.1	34.29	11.02	20.00	.1363

#1	<.0000	<.0000	.0312	.0021	.0119	<.0000	5.459
#2	<.0000	<.0000	<.0000	.0050	.0135	<.0000	5.463
#3	<.0000	<.0000	<.0000	.0032	.0119	<.0000	5.452
#4	<.0000	<.0000	.0409	.0036	.0103	<.0000	5.470

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0166	<.0000	1.065
SDev	.0019	.0022	.0020	.0005	.0046	.1041	.012
%RSD	109.1	31.57	45.87	8.882	27.62	4.224	1.128

#1	<.0000	<.0000	<.0000	<.0000	.0207	<.0000	1.064
#2	.0007	<.0000	<.0000	<.0000	.0162	<.0000	1.070
#3	<.0000	<.0000	<.0000	<.0000	.0192	<.0000	1.048
#4	<.0000	<.0000	<.0000	<.0000	.0103	<.0000	1.076

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0217	<.0000	3.620	<.0000	<.0000	.0119	<.0000
SDev	.0007	.0080	.014	.0045	.0114	.0363	.0179
%RSD	3.260	88.50	.3918	431.0	22.77	305.1	89.30

#1	.0211	<.0000	3.634	<.0000	<.0000	.0377	.0032
#2	.0226	<.0000	3.628	<.0000	<.0000	.0297	<.0000
#3	.0219	<.0000	3.619	.0053	<.0000	<.0000	<.0000
#4	.0211	<.0000	3.601	<.0000	<.0000	.0218	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6139	.0032	<.0000	.0004
SDev	.0097	.0425	.0014	.0008
%RSD	1.583	1315.	18.11	206.7

#1	.6033	<.0000	<.0000	.0004
#2	.6127	.0655	<.0000	.0008
#3	.6127	<.0000	<.0000	<.0000
#4	.6269	<.0000	<.0000	.0011

Method: IECW Sample Name: 23318
 Run Time: 09/24/01 14:12:21
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0059	.0025	.0135	<.0000	5.478
SDev	.0015	.0106	.0199	.0017	.0000	.0000	.004
%RSD	16.26	18.52	335.1	68.16	.0056	20.00	.0710

#1	<.0000	<.0000	.0262	.0046	.0135	<.0000	5.472
#2	<.0000	<.0000	<.0000	.0028	.0135	<.0000	5.479
#3	<.0000	<.0000	.0168	.0018	.0135	<.0000	5.479
#4	<.0000	<.0000	<.0000	.0007	.0135	<.0000	5.481

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0147	<.0000	1.094
SDev	.0013	.0021	.0019	.0020	.0032	.1869	.014
%RSD	58.22	25.61	31.25	30.02	21.67	7.583	1.320

#1	<.0000	.0000	<.0000	<.0000	.0147	<.0000	1.107
#2	<.0000	<.0000	<.0000	<.0000	.0118	<.0000	1.076
#3	<.0000	<.0000	<.0000	<.0000	.0132	<.0000	1.089
#4	<.0000	<.0000	<.0000	<.0000	.0192	<.0000	1.104

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0197	<.0000	7.399	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0036	.044	.0042	.0212	.0228	.0358
%RSD	3.066	35.76	.5911	76.69	36.79	95.79	56.76

#1	.0197	<.0000	7.357	<.0000	<.0000	<.0000	<.0000
#2	.0189	<.0000	7.416	<.0000	<.0000	.0060	<.0000
#3	.0204	<.0000	7.369	.0000	<.0000	<.0000	<.0000
#4	.0197	<.0000	7.452	<.0000	<.0000	<.0000	<.0000

Elem	Si2581	Ti1908	V_2924	Zn2138
Avge	.9111	<.0000	<.0000	<.0000
SDev	.0097	.0619	.0017	.0003
%RSD	1.066	114.5	22.12	22.81

#1	.9194	<.0000	<.0000	<.0000
#2	.9006	<.0000	<.0000	<.0000
#3	.9194	<.0000	<.0000	<.0000
#4	.9052	<.0000	<.0000	<.0000

Analysis Report

09/24/01 02:16:01 PM

page

Method: IECW Sample Name: 23319

Operator: it-

Run time: 09/24/01 14:14:17

Comment:

Mode: CUM Corr Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0030	.0115	<.0000	5.476
SDev	.0017	.0078	.0238	.0011	.0008	.0000	.013
%RSD	15.00	12.24	90.17	36.99	6.992	.0000	.2390

#1	<.0000	<.0000	.0001	.0021	.0119	<.0000	5.470
#2	<.0000	<.0000	<.0000	.0028	.0103	<.0000	5.494
#3	<.0000	<.0000	<.0000	.0025	.0119	<.0000	5.464
#4	<.0000	<.0000	<.0000	.0046	.0119	<.0000	5.476

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0166	<.0000	1.060
SDev	.0022	.0013	.0018	.0012	.0025	.6549	.006
%RSD	61.67	13.78	20.21	13.01	15.21	22.46	.5549

#1	<.0000	<.0000	<.0000	<.0000	.0177	<.0000	1.061
#2	<.0000	<.0000	<.0000	<.0000	.0192	<.0000	1.064
#3	<.0000	<.0000	<.0000	<.0000	.0133	<.0000	1.051
#4	<.0000	<.0000	<.0000	<.0000	.0162	<.0000	1.064

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0174	<.0000	6.920	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0089	.051	.0064	.0092	.0137	.0428
%RSD	4.886	93.04	.7378	86.47	14.69	46.18	118.5

#1	.0167	<.0000	6.872	<.0000	<.0000	<.0000	<.0000
#2	.0182	<.0000	6.988	<.0000	<.0000	<.0000	<.0000
#3	.0167	<.0000	6.890	<.0000	<.0000	<.0000	.0176
#4	.0182	.0021	6.928	.0021	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8794	.0207	<.0000	<.0000
SDev	.0061	.0549	.0010	.0009
%RSD	.6936	265.3	10.65	36.85

#1	.8723	.0556	<.0000	<.0000
#2	.8770	<.0000	<.0000	<.0000
#3	.8865	.0755	<.0000	<.0000
#4	.8817	<.0000	<.0000	<.0000

Method: IECW Sample Name: 23320

Operator: it

Run Time: 09/24/01 14:16:14

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0158	.0035	.0119	<.0000	5.616
SDev	.0035	.0297	.0305	.0009	.0000	.0000	.026
%RSD	28.30	40.91	193.5	25.93	.0259	20.00	.4609

#1	<.0000	<.0000	.0158	.0046	.0119	<.0000	5.577
#2	<.0000	<.0000	<.0000	.0032	.0119	<.0000	5.625
#3	<.0000	<.0000	.0536	.0035	.0119	<.0000	5.632
#4	<.0000	<.0000	.0148	.0025	.0119	<.0000	5.629

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0188	<.0000	1.046
SDev	.0032	.0036	.0021	.0024	.0042	.7484	.021
%RSD	135.7	33.19	26.05	1818.	22.56	24.90	1.976

#1	<.0000	<.0000	<.0000	.0001	.0162	<.0000	1.042
#2	<.0000	<.0000	<.0000	<.0000	.0162	<.0000	1.033
#3	.0024	<.0000	<.0000	.0032	.0251	<.0000	1.076
#4	<.0000	<.0000	<.0000	<.0000	.0177	<.0000	1.033

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0104	<.0000	6.954	<.0000	<.0000	<.0000	<.0000
SDev	.0013	.0070	.043	.0052	.0306	.0436	.0549
%RSD	12.27	73.47	.6175	45.80	45.92	122.2	216.2

#1	.0123	<.0000	6.890	<.0000	<.0000	<.0000	<.0000
#2	.0093	<.0000	6.976	<.0000	<.0000	<.0000	<.0000
#3	.0101	<.0000	6.973	<.0000	<.0000	.0059	.0175
#4	.0101	<.0000	6.979	<.0000	<.0000	<.0000	.0177

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8782	<.0000	<.0000	.0005
SDev	.0160	.0862	.0029	.0008
%RSD	1.825	152.6	26.28	158.7

#1	.8629	.0257	<.0000	.0004
#2	.8770	<.0000	<.0000	.0004
#3	.9006	<.0000	<.0000	.0015
#4	.8723	<.0000	<.0000	<.0000

Analysis Report

09/24/01 02:38:00 PM

page

Method: IECW Sample Name: 23321

Operator: it

Run Time: 09/24/01 14:36:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0024	.0107	<.0000	5.470
SDev	.0010	.0101	.0374	.0013	.0008	.0000	.018
%RSD	6.854	13.44	3754.	53.71	7.506	20.00	.3280

#1	<.0000	<.0000	<.0000	.0007	.0103	<.0000	5.465
#2	<.0000	<.0000	<.0000	.0021	.0103	<.0000	5.451
#3	<.0000	<.0000	.0121	.0032	.0119	<.0000	5.469
#4	<.0000	<.0000	.0458	.0036	.0103	<.0000	5.494

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0166	<.0000	1.040
SDev	.0013	.0008	.0013	.0013	.0037	.2479	.018
%RSD	42.90	7.458	14.58	34.69	22.25	5.975	1.750

#1	<.0000	<.0000	<.0000	<.0000	.0118	<.0000	1.017
#2	<.0000	<.0000	<.0000	<.0000	.0177	<.0000	1.055
#3	<.0000	<.0000	<.0000	<.0000	.0162	<.0000	1.033
#4	<.0000	<.0000	<.0000	<.0000	.0207	<.0000	1.055

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0112	<.0000	6.957	<.0000	<.0000	<.0000	<.0000
SDev	.0013	.0063	.031	.0036	.0064	.0200	.0608
%RSD	11.46	58.74	.4436	35.95	8.707	43.83	153.2

#1	.0115	<.0000	6.917	<.0000	<.0000	<.0000	.0463
#2	.0093	<.0000	6.967	<.0000	<.0000	<.0000	<.0000
#3	.0115	<.0000	6.955	<.0000	<.0000	<.0000	<.0000
#4	.0123	<.0000	6.990	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8534	.0157	<.0000	<.0000
SDev	.0172	.0586	.0016	.0005
%RSD	2.017	372.4	14.11	179.7

#1	.8346	<.0000	<.0000	<.0000
#2	.8440	.0556	<.0000	<.0000
#3	.8629	<.0000	<.0000	.0004
#4	.8723	.0755	<.0000	<.0000

Analysis Report

09/24/01 02:51:12 PM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 09/24/01 14:48:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4955	1.001	.0125	.9625	.9570	.9418	.9794
SDev	.0017	.008	.0276	.0029	.0021	.0008	.0027
%RSD	.3420	.7648	220.9	.2963	.2161	.0847	.2712

#1	.4939	.9991	.0517	.9655	.9578	.9414	.9784
#2	.4945	1.003	.0002	.9590	.9562	.9415	.9809
#3	.4978	1.011	.0097	.9640	.9594	.9430	.9761
#4	.4958	.9926	<.0000	.9615	.9546	.9413	.9821

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9695	.9586	.9664	.9386	.9760	<.0000	.9560
SDev	.0026	.0045	.0033	.0010	.0015	.5377	.0254
%RSD	.2712	.4665	.3420	.1104	.1515	56.29	2.659

#1	.9711	.9602	.9707	.9391	.9753	<.0000	.9221
#2	.9706	.9540	.9627	.9391	.9753	<.0000	.9838
#3	.9706	.9641	.9665	.9391	.9753	<.0000	.9591
#4	.9655	.9562	.9655	.9371	.9782	<.0000	.9591

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9569	.9597	.9392	.9614	.9667	.9076	<.0000
SDev	.0029	.0122	.0201	.0049	.0298	.0300	.0524
%RSD	.2981	1.272	2.141	.5048	3.082	3.303	197.5

#1	.9586	.9608	.9671	.9572	.9774	.8640	.0289
#2	.9586	.9438	.9231	.9571	1.004	.9274	<.0000
#3	.9578	.9608	.9407	.9656	.9443	.9273	<.0000
#4	.9527	.9735	.9260	.9656	.9410	.9116	.0075

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.007	.9597	.9599	.9823
SDev	.012	.0583	.0017	.0037
%RSD	1.204	6.077	.1775	.3753

#1	1.011	.8804	.9618	.9782
#2	1.021	.9596	.9601	.9827
#3	.9926	.9795	.9601	.9871
#4	1.002	1.019	.9576	.9812

Analysis Report

09/24/01 02:53:44 PM

page

Method: IECW Sample Name: cb
 Run Time: 09/24/01 14:52:00
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0087	.0003	.0004	.0002	<.0000
SDev	.0018	.0154	.0154	.0018	.0008	.0001	.0014
%RSD	377.2	68.01	177.5	645.8	199.3	47.87	27.33

#1	.0008	<.0000	.0111	.0002	.0016	.0003	<.0000
#2	.0008	<.0000	<.0000	.0023	.0000	.0002	<.0000
#3	<.0000	<.0000	.0198	<.0000	.0000	.0001	<.0000
#4	<.0000	<.0000	.0175	.0005	.0000	.0001	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0004	.0010	.0034	.0013	.0022	.3268	.0067
%RSD	44.43	45.20	227.2	100.7	150.4	55.60	123.6

#1	.0003	<.0000	.0025	.0005	<.0000	<.0000	<.0000
#2	.0012	<.0000	<.0000	<.0000	<.0000	<.0000	.0039
#3	.0012	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0012	<.0000	<.0000	<.0000	.0011	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0138	<.0000	<.0000	.0008	.0119	<.0000
SDev	.0007	.0069	.0371	.0063	.0206	.0194	.0215
%RSD	401.7	50.18	180.7	62.89	2465.	162.1	38.81

#1	.0002	.0138	.0029	<.0000	<.0000	.0277	<.0000
#2	<.0000	.0138	<.0000	<.0000	<.0000	.0040	<.0000
#3	.0002	.0223	.0147	<.0000	<.0000	.0278	<.0000
#4	.0002	.0053	<.0000	<.0000	.0306	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0035	<.0000	<.0000	<.0000
SDev	.0094	.0647	.0019	.0015
%RSD	265.7	137.6	135.1	269.5

#1	.0082	<.0000	.0012	.0012
#2	.0082	<.0000	<.0000	<.0000
#3	<.0000	.0323	<.0000	.0001
#4	.0082	<.0000	<.0000	<.0000

Analysis Report

09/24/01 03:17:41 PM

page

Method: IECW Sample Name: 23322

Run Time: 09/24/01 15:15:57

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0015	.0131	<.0000	5.530
SDev	.0033	.0172	.0350	.0011	.0009	.0001	.015
%RSD	21.68	20.30	285.8	74.79	7.082	29.69	.2752

#1	<.0000	<.0000	<.0000	.0010	.0139	<.0000	5.538
#2	<.0000	<.0000	.0199	.0031	.0123	<.0000	5.548
#3	<.0000	<.0000	<.0000	.0006	.0139	<.0000	5.517
#4	<.0000	<.0000	<.0000	.0013	.0123	<.0000	5.519

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0022	.0203	.0000	1.047
SDev	.0022	.0028	.0010	.0010	.0031	.2919	.017
%RSD	82.62	30.13	14.74	45.12	15.17	6.471	1.622

#1	<.0000	<.0000	<.0000	.0035	.0166	<.0000	1.039
#2	<.0000	<.0000	<.0000	.0014	.0240	<.0000	1.064
#3	<.0000	<.0000	<.0000	.0014	.0210	<.0000	1.027
#4	<.0000	<.0000	<.0000	.0025	.0195	<.0000	1.057

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0187	<.0000	7.310	<.0000	<.0000	<.0000	<.0000
SDev	.0024	.0092	.048	.0027	.0125	.0158	.0764
%RSD	12.62	344.9	.6506	21.06	21.58	36.41	1360.

#1	.0222	.0095	7.368	<.0000	<.0000	<.0000	<.0000
#2	.0178	<.0000	7.285	<.0000	<.0000	<.0000	.0982
#3	.0178	<.0000	7.259	<.0000	<.0000	<.0000	<.0000
#4	.0171	<.0000	7.326	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8915	<.0000	<.0000	<.0000
SDev	.0135	.0773	.0016	.0008
%RSD	1.518	80.70	13.71	171.4

#1	.8938	<.0000	<.0000	.0004
#2	.8891	<.0000	<.0000	<.0000
#3	.8751	<.0000	<.0000	<.0000
#4	.9079	<.0000	<.0000	<.0000

Analysis Report

09/24/01 03:19:56 PM

page 1

Method: IECW Sample Name: 23323

Operator: it

Run Time: 09/24/01 15:18:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0253	.0025	.0131	<.0000	5.624
SDev	.0016	.0062	.0152	.0014	.0009	.0000	.020
%RSD	12.97	8.586	60.24	57.23	7.066	25.66	.3611

#1	<.0000	<.0000	.0411	.0013	.0123	<.0000	5.600
#2	<.0000	<.0000	.0352	.0031	.0139	<.0000	5.642
#3	<.0000	<.0000	.0148	.0042	.0139	<.0000	5.639
#4	<.0000	<.0000	.0100	.0013	.0123	<.0000	5.614

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	.0027	.0144	<.0000	1.027
SDev	.0019	.0014	.0015	.0005	.0039	.2607	.015
%RSD	60.03	18.55	18.52	19.08	27.26	7.011	1.491

#1	<.0000	<.0000	<.0000	.0025	.0166	<.0000	1.008
#2	<.0000	<.0000	<.0000	.0025	.0092	<.0000	1.042
#3	<.0000	<.0000	<.0000	.0035	.0136	<.0000	1.020
#4	<.0000	<.0000	<.0000	.0025	.0181	<.0000	1.036

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0097	<.0000	6.652	<.0000	<.0000	<.0000	<.0000
SDev	.0015	.0021	.078	.0067	.0308	.0293	.0376
%RSD	15.25	24.95	1.175	53.32	60.95	73.98	65.35

#1	.0104	<.0000	6.705	<.0000	<.0000	<.0000	<.0000
#2	.0104	<.0000	6.708	<.0000	<.0000	<.0000	<.0000
#3	.0104	<.0000	6.655	<.0000	<.0000	<.0000	<.0000
#4	.0075	<.0000	6.540	<.0000	<.0000	.0040	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.8892	<.0000	<.0000	.0037
SDev	.0054	.0583	.0016	.0007
%RSD	.6069	119.7	17.32	19.92

#1	.8845	<.0000	<.0000	.0048
#2	.8938	<.0000	<.0000	.0033
#3	.8845	.0107	<.0000	.0033
#4	.8938	<.0000	<.0000	.0033

Analysis Report

09/24/01 03:22:05 PM

page

Method: IECW Sample Name: 23324

Operator: it

Run Time: 09/24/01 15:20:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0227	.0019	.0135	<.0000	5.477
SDev	.0016	.0215	.0199	.0009	.0008	.0000	.009
%RSD	12.98	26.40	87.57	46.14	5.946	25.00	.1724

#1	<.0000	<.0000	.0272	.0031	.0139	<.0000	5.475
#2	<.0000	<.0000	.0459	.0010	.0139	<.0000	5.466
#3	<.0000	<.0000	.0198	.0020	.0123	<.0000	5.481
#4	<.0000	<.0000	<.0000	.0017	.0139	<.0000	5.488

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0004	.0181	<.0000	1.027
SDev	.0009	.0014	.0025	.0008	.0044	.7078	.023
%RSD	43.36	15.34	33.67	218.7	24.10	18.18	2.247

#1	<.0000	<.0000	<.0000	.0004	.0225	<.0000	.9958
#2	<.0000	<.0000	<.0000	.0004	.0122	<.0000	1.027
#3	<.0000	<.0000	<.0000	<.0000	.0181	<.0000	1.033
#4	<.0000	<.0000	<.0000	.0014	.0195	<.0000	1.051

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0110	<.0000	6.986	<.0000	<.0000	<.0000	<.0000
SDev	.0013	.0041	.050	.0075	.0119	.0305	.0778
%RSD	11.47	38.34	.7183	46.67	19.43	57.18	67.77

#1	.0104	<.0000	7.019	<.0000	<.0000	<.0000	<.0000
#2	.0097	<.0000	7.039	<.0000	<.0000	<.0000	<.0000
#3	.0112	<.0000	6.951	<.0000	<.0000	<.0000	<.0000
#4	.0126	<.0000	6.936	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8927	<.0000	<.0000	<.0000
SDev	.0150	.0431	.0008	.0005
%RSD	1.681	651.2	9.038	88.85

#1	.8798	<.0000	<.0000	<.0000
#2	.9032	.0504	<.0000	<.0000
#3	.8798	.0008	<.0000	<.0000
#4	.9079	<.0000	<.0000	.0000

Method: IECW Sample Name: 23325

Operator: it

Run Time: 09/24/01 15:22:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0143	.0024	.0135	<.0000	5.309
SDev	.0022	.0134	.0384	.0004	.0008	.0001	.019
%RSD	19.37	17.48	269.5	17.31	5.931	44.44	.3615

#1	<.0000	<.0000	<.0000	.0020	.0123	<.0000	5.303
#2	<.0000	<.0000	.0710	.0027	.0139	<.0000	5.301
#3	<.0000	<.0000	<.0000	.0020	.0139	<.0000	5.295
#4	<.0000	<.0000	.0016	.0028	.0139	<.0000	5.337

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0166	<.0000	1.078
SDev	.0030	.0022	.0005	.0012	.0043	.4461	.013
%RSD	98.17	28.86	6.378	13.39	26.23	11.59	1.176

#1	<.0000	<.0000	<.0000	<.0000	.0166	<.0000	1.064
#2	<.0000	<.0000	<.0000	<.0000	.0210	<.0000	1.094
#3	.0007	<.0000	<.0000	<.0000	.0181	<.0000	1.076
#4	<.0000	<.0000	<.0000	<.0000	.0107	<.0000	1.079

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0161	<.0000	7.161	<.0000	<.0000	<.0000	<.0000
SDev	.0007	.0053	.076	.0070	.0112	.0209	.0353
%RSD	4.375	58.66	1.054	94.91	26.42	62.02	54.53

#1	.0163	<.0000	7.145	<.0000	<.0000	<.0000	<.0000
#2	.0171	<.0000	7.189	<.0000	<.0000	<.0000	<.0000
#3	.0156	<.0000	7.066	<.0000	<.0000	<.0000	<.0000
#4	.0156	<.0000	7.244	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9055	<.0000	<.0000	<.0000
SDev	.0178	.0481	.0010	.0006
%RSD	1.961	289.8	12.19	53.34

#1	.8797	.0107	<.0000	<.0000
#2	.9172	.0007	<.0000	<.0000
#3	.9079	<.0000	<.0000	<.0000
#4	.9172	.0106	<.0000	<.0000

Analysis Report

09/24/01 03:26:44 PM

page

Method: IECW Sample Name: 23326

Operator: it

Run time: 09/24/01 15:25:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0034	.0123	<.0000	5.344
SDev	.0024	.0128	.0319	.0017	.0000	.0000	.016
%RSD	18.14	16.56	8809.	50.83	.0135	25.66	.2923

#1	<.0000	<.0000	.0101	.0020	.0123	<.0000	5.351
#2	<.0000	<.0000	<.0000	.0038	.0123	<.0000	5.330
#3	<.0000	<.0000	.0350	.0020	.0123	<.0000	5.333
#4	<.0000	<.0000	<.0000	.0056	.0123	<.0000	5.363

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0159	<.0000	1.050
SDev	.0011	.0018	.0019	.0023	.0015	.7533	.019
%RSD	48.04	19.74	26.53	24.99	9.315	20.67	1.834

#1	<.0000	<.0000	<.0000	<.0000	.0151	<.0000	1.030
#2	<.0000	<.0000	<.0000	<.0000	.0151	<.0000	1.039
#3	<.0000	<.0000	<.0000	<.0000	.0181	<.0000	1.057
#4	<.0000	<.0000	<.0000	<.0000	.0151	<.0000	1.073

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0149	<.0000	6.874	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0082	.058	.0026	.0149	.0440	.0343
%RSD	7.026	67.00	.8507	21.39	42.88	117.2	40.71

#1	.0141	<.0000	6.787	<.0000	<.0000	<.0000	<.0000
#2	.0149	<.0000	6.904	<.0000	<.0000	<.0000	<.0000
#3	.0163	<.0000	6.895	<.0000	<.0000	.0040	<.0000
#4	.0141	<.0000	6.910	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8680	.0181	<.0000	<.0000
SDev	.0047	.0248	.0012	.0012
%RSD	.5382	136.6	13.26	135.5

#1	.8610	.0206	<.0000	<.0000
#2	.8704	<.0000	<.0000	<.0000
#3	.8703	.0503	<.0000	.0000
#4	.8703	.0107	<.0000	.0000

Method: IECW Sample Name: ipc

Operator: it

Run Time: 09/24/01 15:37:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4905	.9881	.0099	.9517	.9532	.9259	.9618
SDev	.0024	.0113	.0090	.0026	.0028	.0009	.0027
%RSD	.4938	1.146	90.83	.2685	.2910	.0969	.2858

#1	.4889	1.002	.0115	.9553	.9540	.9262	.9657
#2	.4902	.9790	.0214	.9495	.9492	.9253	.9617
#3	.4940	.9920	.0069	.9503	.9556	.9271	.9595
#4	.4889	.9790	<.0000	.9517	.9540	.9251	.9603

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.9578	.9481	.9547	.9326	.9641	<.0000	.9264
SDev	.0021	.0033	.0050	.0017	.0031	.2609	.0116
%RSD	.2185	.3483	.5216	.1812	.3165	35.18	1.247

#1	.9605	.9502	.9554	.9347	.9623	<.0000	.9394
#2	.9579	.9432	.9507	.9306	.9667	<.0000	.9119
#3	.9554	.9497	.9615	.9326	.9608	<.0000	.9302
#4	.9575	.9493	.9512	.9326	.9667	<.0000	.9241

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.9454	.9183	.9313	.9494	.9456	.8261	.0410
SDev	.0016	.0192	.0494	.0079	.0198	.0347	.0148
%RSD	.1731	2.087	5.304	.8297	2.093	4.202	36.02

#1	.9474	.8896	.8943	.9407	.9448	.8656	.0233
#2	.9437	.9279	.9987	.9575	.9645	.7866	.0588
#3	.9460	.9279	.9378	.9449	.9547	.8103	.0375
#4	.9445	.9279	.8943	.9544	.9185	.8419	.0446

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.9889	1.111	.9489	.9682
SDev	.0038	.074	.0015	.0040
%RSD	.3849	6.696	.1588	.4082

#1	.9889	1.061	.9480	.9696
#2	.9843	1.101	.9472	.9688
#3	.9936	1.061	.9505	.9718
#4	.9889	1.219	.9497	.9626

Method: IECW Sample Name: cb

Operator: it

Run Time: 09/24/01 16:08:42

Comment:

Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be5130	Ca3179
Avg	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SD	.0027	.0218	.0428	.0011	.0008	.0000	.0037
%RSD	142.4	187.1	471.4	31.68	99.91	7.407	523.7

#1	<.0000	<.0000	.0381	<.0000	<.0000	<.0000	.0006
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0021	.0168	<.0000	<.0000	<.0000	<.0000	.0039
#4	<.0000	<.0000	.0117	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0008	<.0000	<.0000
SD	.0011	.0018	.0039	.0026	.0015	.2609	.0214
%RSD	176.5	397.6	210.2	503.4	199.0	29.51	1402.

#1	<.0000	.0021	<.0000	<.0000	<.0000	<.0000	.0061
#2	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	<.0000
#3	<.0000	<.0000	.0038	.0031	.0031	<.0000	.0245
#4	.0009	<.0000	<.0000	<.0000	.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	<.0000	<.0000	<.0000	.0003	.0206	<.0000	.0284
SD	.0004	.0018	.0118	.0048	.0140	.0144	.0306
%RSD	99.99	9.302	257.4	1726.	68.33	52.71	107.9

#1	.0002	<.0000	<.0000	.0048	.0115	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0025	.0115	<.0000	.0426
#3	<.0000	<.0000	.0114	.0003	.0181	<.0000	.0283
#4	<.0000	<.0000	<.0000	<.0000	.0411	<.0000	.0567

Elem	Si2851	Ti1908	V_2924	Zn2138
Avg	.0082	.0477	<.0000	<.0000
SD	.0000	.0238	.0022	.0006
%RSD	.4824	49.80	70.51	81.75

#1	.0082	.0652	<.0000	.0000
#2	.0082	.0452	<.0000	<.0000
#3	.0081	.0150	<.0000	<.0000
#4	.0082	.0653	<.0000	<.0000