

WTC samples

1/23/02 cont'd

9.65

IPC + CB

31501

31249 + Lab Dup + Spk

31503

31404

IPC + CB

31405

30868 Cu Check

31406

xipe BIK

31407

Spk $3.793 \times 50 = 184.3$ 96.2

31432

$\cdot 1080 = 90.99$

31433

Dup $3.773 \times 50 = 174.9$

31456

1274L

31460

1275 $1.423 \times 50 = 121.98$

31461

$\cdot 5833$

IPC + CB

CCV + CCB

LPB + LRB

31462 + Lab Dup + Spk

31464

31465

31466

31457

31498

31499

31500

Reviewed by,
CB 3/15/02

Standardization Rpt.

01/23/02 09:23:53 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 01/23/02 09:22:10

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.373	3.911	.4105	.2675	.1520	.1970	4.041
SDev	.005	.025	.0076	.0019	.0000	.0011	.013
%RSD	.3854	.6339	1.839	.7158	.0000	.5861	.3245

#1	1.376	3.914	.4120	.2660	.1520	.1980	4.040
#2	1.372	3.900	.4080	.2700	.1520	.1960	4.040
#3	1.366	3.886	.4200	.2680	.1520	.1960	4.026
#4	1.378	3.944	.4020	.2660	.1520	.1980	4.058

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2665	2.467	.9715	.5990	.0120	5.610	1.291
SDev	.0060	.027	.0093	.0035	.0033	.014	.008
%RSD	2.241	1.079	.9564	.5783	27.22	.2521	.5865

#1	.2740	2.492	.9680	.6000	.0120	5.602	1.296
#2	.2680	2.434	.9720	.6000	.0160	5.614	1.292
#3	.2600	2.456	.9620	.5940	.0080	5.596	1.280
#4	.2640	2.484	.9840	.6020	.0120	5.628	1.296

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0905	.1205	2.020	.4735	.7090	.1355	.1145
SDev	.0019	.0010	.010	.0076	.0020	.0055	.0081
%RSD	2.116	.8299	.5138	1.594	.2821	4.065	7.041

#1	.0920	.1200	2.024	.4760	.7080	.1320	.1100
#2	.0920	.1220	2.004	.4820	.7080	.1380	.1080
#3	.0900	.1200	2.026	.4720	.7080	.1300	.1260
#4	.0880	.1200	2.024	.4640	.7120	.1420	.1140

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.533	.1310	.6905	.1450
SDev	.001	.0060	.0030	.0035
%RSD	.0652	4.580	.4345	2.389

#1	1.534	.1360	.6860	.1460
#2	1.532	.1280	.6920	.1480
#3	1.534	.1240	.6920	.1460
#4	1.534	.1360	.6920	.1400

Standardization Rpt.

01/23/02 09:29:46 AM

page 1

Method: IECW Standard: STD6

Run Time: 01/23/02 09:28:24



Elem	Ag3280
Avge	40.94
SDev	.18
%RSD	.4311

#1	40.72
#2	40.95
#3	41.15
#4	40.95

Standardization Rpt.

01/23/02 09:37:58 AM

page 1

Method: IECW Standard: STD3

Run Time: 01/23/02 09:36:15



Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	21.75	214.5	12.66	4.970	12.07	14.99	1.256
SDev	.06	.8	.04	.018	.05	.06	.004
%RSD	.2934	.3514	.3052	.3524	.4116	.3943	.3284

#1	21.76	214.9	12.64	4.958	12.03	15.07	1.260
#2	21.67	213.4	12.62	4.952	12.02	14.93	1.250
#3	21.83	215.1	12.71	4.986	12.09	14.98	1.256
#4	21.75	214.5	12.65	4.984	12.13	15.00	1.256

Elem	Tl1908
Avge	.9375
SDev	.0279
%RSD	2.978

#1	.9600
#2	.9620
#3	.9220
#4	.9060

Standardization Rpt.

01/23/02 09:40:32 AM

page 1

Method: IECW Standard: STD4

Run Time: 01/23/02 09:39:10

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	4.371	34.27	44.74	.8050	5.532
SDev	.082	.23	.19	.0084	.016
%RSD	1.865	.6795	.4232	1.044	.2937
#1	4.342	34.26	44.81	.8140	5.542
#2	4.492	34.15	44.50	.8080	5.512
#3	4.328	34.06	44.70	.7940	5.526
#4	4.320	34.59	44.95	.8040	5.548

Standardization Rpt.

01/23/02 09:43:19 AM

page 1

Method: IECW Standard: STD2

Run Time: 01/23/02 09:41:57

Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	27.30	88.43	33.00	115.5	24.57	11.10	7.164
SDev	.06	.26	.10	.3	.05	.01	.022
%RSD	.2141	.2943	.3071	.3026	.2062	.1191	.3050

#1	27.24	88.38	33.09	115.4	24.52	11.11	7.168
#2	27.26	88.10	32.87	115.0	24.54	11.09	7.178
#3	27.36	88.72	32.98	115.8	24.63	11.09	7.178
#4	27.34	88.53	33.07	115.6	24.59	11.11	7.132

Elem	Mn2576	Pb2203	Zn2138
Avge	26.20	5.056	24.84
SDev	.06	.014	.04
%RSD	.2203	.2760	.1774

#1	26.15	5.072	24.86
#2	26.15	5.040	24.79
#3	26.27	5.062	24.90
#4	26.24	5.050	24.84

Standardization Rpt.

01/23/02 09:52:10 AM

page 1

Method: IECW Standard: STD5

Run Time: 01/23/02 09:50:47



Elem	V_2924
Avge	30.13
SDev	.10
%RSD	.3424

#1	30.00
#2	30.18
#3	30.24
#4	30.12

Analysis Report

01/23/02 12:54:10 PM

page 1

Method: IECW Sample Name: ipc
 Run Time: 01/23/02 12:52:27
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4889	.9716	<.0000	.9872	1.026	1.001	1.042
SDev	.0025	.0075	.0152	.0105	.005	.004	.006
%RSD	.5107	.7712	30.65	1.068	.4517	.4475	.6193
#1	.4861	.9634	<.0000	.9828	1.022	.9959	1.038
#2	.4886	.9747	<.0000	.9758	1.023	.9985	1.035
#3	.4886	.9679	<.0000	1.000	1.032	1.005	1.047
#4	.4922	.9804	<.0000	.9899	1.029	1.004	1.048
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	1.029	1.018	.9680	1.002	1.038	<.0000	.9129
SDev	.009	.004	.0052	.003	.005	.2930	.0049
%RSD	.9132	.4333	.5349	.3219	.4402	5.613	.5323
#1	1.021	1.015	.9615	1.000	1.043	<.0000	.9129
#2	1.029	1.014	.9665	.9992	1.032	<.0000	.9095
#3	1.023	1.024	.9707	1.006	1.037	<.0000	.9095
#4	1.042	1.020	.9734	1.004	1.039	<.0000	.9198
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	1.032	.9525	1.045	1.027	.9568	.9502	.0386
SDev	.003	.0188	.046	.012	.0252	.0603	.0687
%RSD	.2572	1.973	4.379	1.178	2.632	6.345	178.1
#1	1.030	.9671	.9790	1.027	.9637	1.022	.0895
#2	1.030	.9255	1.057	1.015	.9221	.9681	.0895
#3	1.034	.9630	1.059	1.044	.9591	.8786	<.0000
#4	1.034	.9546	1.085	1.024	.9822	.9323	.0313
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.6008	.8336	.9843	1.023			
SDev	.0238	.0968	.0042	.005			
%RSD	3.954	11.61	.4234	.5147			
#1	.5658	.8729	.9791	1.015			
#2	.6125	.7682	.9831	1.023			
#3	.6177	.9515	.9865	1.027			
#4	.6073	.7420	.9886	1.025			

Analysis Report

01/23/02 12:56:59 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/23/02 12:55:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0033	.0324	.0021	.0000	.0002	.0009
%RSD	6.177	3.330	51.23	42.18	.0240	170.8	3.778

#1	<.0000	<.0000	<.0000	<.0000	<.0000	.0001	<.0000
#2	<.0000	<.0000	<.0000	<.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	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0012	.0016	.0007	.0033	.2646	.0114
%RSD	15.43	13.29	15.36	8.375	167.7	5.540	11.80

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0024	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0084	<.0000	<.0000	<.0000	<.0000	.0076
SDev	.0006	.0092	.0108	.0024	.0173	.0179	.0582
%RSD	46.85	110.0	9.325	116.9	22.08	23.62	761.7

#1	<.0000	.0178	<.0000	.0000	<.0000	<.0000	.0367
#2	<.0000	.0053	<.0000	<.0000	<.0000	<.0000	.0367
#3	<.0000	.0136	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0367

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0252	.0654	.0008	.0017
%RSD	5.305	32.29	8.830	76.01

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

Analysis Report

01/23/02 01:04:27 PM

page 1

Method: IECW Sample Name: 31249

Operator: it

Run Time: 01/23/02 13:02:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	6.128
SDev	.0006	.0063	.0064	.0011	.0000	.0000	.022
%RSD	5.869	10.51	15.22	1454.	.0251	.0000	.3587

#1	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	6.159
#2	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	6.130
#3	<.0000	<.0000	<.0000	.0005	.0119	<.0000	6.114
#4	<.0000	<.0000	<.0000	.0011	.0119	<.0000	6.110

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0311	<.0000	1.251
SDev	.0023	.0014	.0012	.0012	.0035	.4383	.031
%RSD	142.2	23.77	20.02	14.25	11.29	10.91	2.503

#1	<.0000	<.0000	<.0000	<.0000	.0268	<.0000	1.284
#2	<.0000	<.0000	<.0000	<.0000	.0347	<.0000	1.267
#3	<.0000	<.0000	<.0000	<.0000	.0300	<.0000	1.242
#4	.0018	<.0000	<.0000	<.0000	.0331	<.0000	1.212

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0294	<.0000	7.681	.0018	<.0000	<.0000	.0214
SDev	.0004	.0021	.038	.0046	.0196	.0179	.0504
%RSD	1.308	11.09	.4996	260.0	35.48	23.53	235.6

#1	.0292	<.0000	7.730	.0025	<.0000	<.0000	<.0000
#2	.0292	<.0000	7.693	.0025	<.0000	<.0000	.0359
#3	.0292	<.0000	7.650	.0066	<.0000	<.0000	.0650
#4	.0300	<.0000	7.650	<.0000	<.0000	<.0000	.0359

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6470	<.0000	<.0000	<.0000
SDev	.0241	.1138	.0006	.0017
%RSD	3.730	100.5	7.040	72.84

#1	.6222	<.0000	<.0000	<.0000
#2	.6794	<.0000	<.0000	<.0000
#3	.6483	<.0000	<.0000	<.0000
#4	.6379	<.0000	<.0000	<.0000

Analysis Report

01/23/02 01:08:51 PM

page 1

Method: IECW Sample Name: 31249lab dup

Operator: it

Run Time: 01/23/02 13:07:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0121 ¹¹⁹	<.0000	6.122 ⁶¹²⁸
SDev	.0010	.0133	.0332	.0012	.0004	.0001	.018
%RSD	9.843	22.83	43.53	127.3	3.053	9.091	.2952
#1	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	6.126
#2	<.0000	<.0000	<.0000	.0005	.0127	<.0000	6.108
#3	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	6.145
#4	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	6.108

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0319 ³¹¹	<.0000	1.263 ¹²⁵¹
SDev	.0003	.0018	.0018	.0013	.0047	.13135	.018
%RSD	36.03	31.88	26.83	16.34	14.81	8.124	1.423
#1	<.0000	<.0000	<.0000	<.0000	.0331	<.0000	1.246
#2	<.0000	<.0000	<.0000	<.0000	.0363	<.0000	1.249
#3	<.0000	<.0000	<.0000	<.0000	.0331	<.0000	1.277
#4	<.0000	<.0000	<.0000	<.0000	.0252	<.0000	1.280

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0292 ²⁹⁴	<.0000	7.641 ⁷⁶⁹¹	.0007 ¹⁹	<.0000	<.0000	.0432
SDev	.0006	.0079	.036	.0087	.0175	.0171	.1124
%RSD	2.145	37.73	.4657	1205.	36.94	31.86	260.3
#1	.0300	<.0000	7.673	.0025	<.0000	<.0000	.1523
#2	.0292	<.0000	7.591	.0094	<.0000	<.0000	.0359
#3	.0292	<.0000	7.659	.0025	<.0000	<.0000	<.0000
#4	.0284	<.0000	7.642	<.0000	<.0000	<.0000	.0941

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.6482	<.0000	<.0000	<.0000
SDev	.0236	.1283	.0006	.0017
%RSD	3.644	74.46	8.076	79.06
#1	.6483	<.0000	<.0000	<.0000
#2	.6535	<.0000	<.0000	<.0000
#3	.6742	<.0000	<.0000	<.0000
#4	.6170	<.0000	<.0000	<.0000

Analysis Report

01/23/02 01:38:19 PM

page 1

Method: IECW Sample Name: 31249spk

Operator: it

Run Time: 01/23/02 13:36:22

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0181	.2832	.2614	.2405	.2383	.0431	6.036
SDev	.0014	.0037	.0539	.0071	.0013	.0002	.019
%RSD	8.020	1.312	20.62	2.968	.5353	.4465	.3230

#1	.0172	.2790	.2514	.2478	.2372	.0429	6.013
#2	.0177	.2835	.1961	.2330	.2379	.0430	6.028
#3	.0202	.2880	.3266	.2360	.2379	.0433	6.058
#4	.0172	.2824	.2714	.2454	.2402	.0433	6.045

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0890	.0927	.2131	.2249	.2578	1.102	1.298
SDev	.0026	.0013	.0019	.0017	.0047	.393	.013
%RSD	2.886	1.345	.8988	.7417	1.806	35.67	.9846

#1	.0881	.0923	.2129	.2241	.2530	1.120	1.294
#2	.0863	.0946	.2138	.2241	.2625	.9756	1.298
#3	.0924	.0919	.2151	.2274	.2609	1.626	1.315
#4	.0893	.0921	.2106	.2241	.2546	.6865	1.284

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2549	.0892	7.604	.2285	.2144	.2300	.1507
SDev	.0009	.0086	.035	.0129	.0168	.0605	.0146
%RSD	.3474	9.616	.4556	5.638	7.834	26.31	9.656

#1	.2557	.0881	7.628	.2323	.2052	.2878	.1580
#2	.2542	.0881	7.563	.2213	.2236	.2523	.1580
#3	.2542	.1006	7.589	.2157	.2328	.2345	.1289
#4	.2557	.0798	7.638	.2448	.1960	.1456	.1580

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.343	.3387	.0870	.2266
SDev	.017	.0531	.0023	.0015
%RSD	1.259	15.69	2.656	.6521

#1	1.363	.3967	.0862	.2250
#2	1.322	.3451	.0848	.2258
#3	1.348	.3451	.0902	.2282
#4	1.338	.2678	.0868	.2274

Analysis Report

01/23/02 01:41:12 PM

page 1

Method: IECW Sample Name: 31404

Run Time: 01/23/02 13:39:28

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0002	.0127	.0046	.0066	.0159	.0000	8.461
SDev	.0006	.0083	.0868	.0025	.0000	.0000	.061
%RSD	267.4	65.46	1893.	38.38	.0359	.0000	.7228

#1	.0005	.0163	<.0000	.0031	.0159	.0000	8.428
#2	<.0000	.0028	.1290	.0066	.0159	.0000	8.438
#3	.0010	.0096	<.0000	.0078	.0159	.0000	8.553
#4	<.0000	.0220	<.0000	.0090	.0159	.0000	8.426

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0011	.0009	.0108	.0405	.9304	2.174
SDev	.0022	.0010	.0014	.0005	.0022	.1364	.008
%RSD	90.66	89.72	148.9	4.436	5.516	14.66	.3739

#1	<.0000	.0004	<.0000	.0104	.0437	1.084	2.179
#2	<.0000	.0004	.0022	.0104	.0390	.7588	2.175
#3	<.0000	.0025	.0013	.0113	.0405	.9756	2.179
#4	<.0000	.0011	.0013	.0113	.0390	.9033	2.162

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0278	<.0000	9.845	.0050	.0103	.0307	<.0000
SDev	.0008	.0072	.072	.0101	.0157	.0230	.0551
%RSD	2.756	134.7	.7322	201.6	152.4	74.69	67.91

#1	.0274	<.0000	9.779	.0144	.0034	.0040	<.0000
#2	.0274	.0009	9.858	<.0000	.0311	.0219	<.0000
#3	.0289	<.0000	9.941	.0088	<.0000	.0396	<.0000
#4	.0274	<.0000	9.801	.0060	.0126	.0574	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.027	<.0000	.0006	.0039
SDev	.015	.0880	.0018	.0015
%RSD	1.466	299.4	320.7	37.79

#1	1.035	<.0000	.0019	.0047
#2	1.014	<.0000	<.0000	.0023
#3	1.045	<.0000	.0013	.0031
#4	1.014	.0866	.0013	.0055

Analysis Report

01/23/02 01:43:42 PM

page 1

Method: IECW Sample Name: 31405

Operator: it

Run Time: 01/23/02 13:41:58

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0103	.0845	.0149	.0303	.0000	25.45
SDev	.0013	.0069	.0217	.0003	.0000	.0001	.13
%RSD	4765.	66.70	25.73	2.274	.0444	200.0	.5231

#1	.0017	.0162	.0845	.0152	.0303	.0000	25.33
#2	<.0000	.0049	.0745	.0146	.0303	<.0000	25.35
#3	<.0000	.0038	.1147	.0146	.0303	.0000	25.58
#4	.0002	.0162	.0643	.0152	.0303	.0000	25.55

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0020	.0217	.0898	1.825	8.483
SDev	.0006	.0010	.0010	.0007	.0015	.181	.034
%RSD	51.63	101.4	49.64	3.135	1.699	9.901	.3977

#1	<.0000	<.0000	.0020	.0208	.0910	1.843	8.447
#2	<.0000	<.0000	.0015	.0217	.0894	1.626	8.464
#3	<.0000	<.0000	.0011	.0217	.0878	1.771	8.522
#4	<.0000	<.0000	.0034	.0225	.0910	2.060	8.498

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1072	<.0000	28.25	.0048	<.0000	.0120	.0758
SDev	.0016	.0052	.20	.0087	.0121	.0471	.1242
%RSD	1.472	110.8	.6947	181.2	260.6	393.7	163.9

#1	.1051	<.0000	28.06	.0114	.0034	.0031	.1557
#2	.1074	<.0000	28.12	<.0000	<.0000	.0564	.1558
#3	.1074	<.0000	28.49	.0072	<.0000	.0386	.0976
#4	.1089	.0005	28.32	.0086	.0080	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.742	.0442	.0004	.0018
SDev	.039	.0851	.0003	.0008
%RSD	2.248	192.5	75.68	43.68

#1	1.711	<.0000	.0003	.0012
#2	1.716	.0507	.0010	.0028
#3	1.746	.1022	.0003	.0012
#4	1.796	.1022	.0003	.0020

Analysis Report

01/23/02 01:46:42 PM

page 1

Method: IECW Sample Name: 31406

Operator: it

Run Time: 01/23/02 13:44:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0001	.0050	.0505	.0043	.0146	.0000	6.890
SDev	.0013	.0103	.0348	.0012	.0000	.0001	.019
%RSD	932.7	204.1	68.94	28.26	.0147	200.0	.2815

#1	<.0000	.0019	.0091	.0044	.0146	<.0000	6.891
#2	.0020	.0200	.0942	.0027	.0146	.0000	6.916
#3	<.0000	.0019	.0492	.0045	.0146	.0000	6.882
#4	.0000	<.0000	.0493	.0056	.0146	.0000	6.870

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0014	.0011	.0059	.0350	.6052	1.294
SDev	.0016	.0005	.0008	.0005	.0015	.0801	.007
%RSD	302.0	36.09	69.00	8.184	4.325	13.24	.5700

#1	.0001	.0017	.0008	.0055	.0346	.5781	1.301
#2	<.0000	.0018	.0003	.0063	.0362	.7227	1.298
#3	<.0000	.0008	.0013	.0063	.0362	.5781	1.284
#4	.0013	.0011	.0022	.0055	.0330	.5420	1.294

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0211	<.0000	7.956	.0000	<.0000	<.0000	.1011
SDev	.0007	.0021	.011	.0054	.0115	.0223	.0531
%RSD	3.471	48.90	.1443	23170.	55.41	9705.	52.52

#1	.0213	<.0000	7.965	.0049	<.0000	.0042	.1592
#2	.0206	<.0000	7.955	<.0000	<.0000	.0220	.0719
#3	.0206	<.0000	7.941	.0021	<.0000	.0042	.0429
#4	.0221	<.0000	7.965	.0007	<.0000	<.0000	.1302

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9244	.0364	.0006	.0017
SDev	.0132	.0631	.0006	.0010
%RSD	1.430	173.3	90.36	59.20

#1	.9056	.0364	.0006	.0031
#2	.9257	.1137	<.0000	.0015
#3	.9357	<.0000	.0013	.0015
#4	.9307	.0364	.0006	.0007

Analysis Report

01/23/02 01:49:08 PM

page 1

Method: IECW Sample Name: 31407

Operator: it

Run Time: 01/23/02 13:47:24

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0005	.0085	.0580	.0049	.0141	.0000	6.401
SDev	.0013	.0099	.0376	.0009	.0004	.0001	.036
%RSD	246.6	117.0	64.88	17.96	2.608	14e6	.5647

#1	.0020	.0031	.0794	.0039	.0139	.0000	6.348
#2	<.0000	.0088	.0090	.0057	.0147	<.0000	6.415
#3	.0000	<.0000	.0493	.0045	.0139	.0000	6.409
#4	.0010	.0223	.0942	.0056	.0139	<.0000	6.431

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0006	<.0000	.0078	.0275	.4246	1.289
SDev	.0026	.0015	.0002	.0008	.0027	.3407	.008
%RSD	148.7	226.3	104.6	10.29	9.951	80.25	.6303

#1	.0001	.0001	<.0000	.0088	.0283	.9033	1.284
#2	.0001	<.0000	<.0000	.0071	.0236	.2891	1.284
#3	<.0000	.0027	<.0000	.0071	.0299	.1084	1.288
#4	<.0000	.0004	<.0000	.0080	.0283	.3975	1.301

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0179	<.0000	7.522	<.0000	<.0000	.0309	<.0000
SDev	.0004	.0048	.034	.0046	.0046	.0230	.0769
%RSD	2.469	65.23	.4503	451.2	36.29	74.42	258.5

#1	.0175	<.0000	7.482	<.0000	<.0000	.0398	<.0000
#2	.0175	<.0000	7.520	.0049	<.0000	.0220	<.0000
#3	.0183	<.0000	7.565	<.0000	<.0000	.0576	<.0000
#4	.0183	<.0000	7.520	<.0000	<.0000	.0042	.0720

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9144	<.0000	.0001	.0066
SDev	.0166	.0678	.0006	.0004
%RSD	1.816	784.4	611.4	6.152

#1	.9056	<.0000	.0006	.0064
#2	.9257	.0622	<.0000	.0064
#3	.9307	.0365	<.0000	.0072
#4	.8955	<.0000	.0006	.0064

Analysis Report

01/23/02 01:51:09 PM

page 1

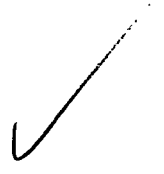
Method: IECW Sample Name: 31432

Operator: it

Run Time: 01/23/02 13:49:26

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0004	.0113	.0767	.0056	.0139	<.0000	6.165
SDev	.0011	.0034	.0912	.0014	.0006	.0001	.013
%RSD	275.5	29.72	118.9	24.09	4.311	200.0	.2114

#1	.0020	.0122	<.0000	.0068	.0132	.0000	6.157
#2	.0000	.0122	.0240	.0045	.0147	<.0000	6.178
#3	.0000	.0144	.0893	.0045	.0139	<.0000	6.174
#4	<.0000	.0065	.1998	.0068	.0139	<.0000	6.151

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0016	.0003	.0005	.0291	.4607	1.333
SDev	.0014	.0013	.0014	.0000	.0016	.0745	.008
%RSD	71.36	85.54	422.8	.0712	5.425	16.17	.6056

#1	<.0000	.0017	<.0000	.0005	.0283	.3613	1.332
#2	<.0000	.0008	.0013	.0005	.0315	.4697	1.339
#3	<.0000	.0004	<.0000	.0005	.0283	.4697	1.322
#4	<.0000	.0034	.0017	.0005	.0283	.5420	1.339

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0326	<.0000	7.853	.0014	<.0000	<.0000	.0138
SDev	.0007	.0052	.035	.0062	.0146	.0251	.0712
%RSD	2.247	123.0	.4481	439.3	97.15	185.1	514.7

#1	.0321	<.0000	7.807	.0035	<.0000	<.0000	<.0000
#2	.0336	<.0000	7.850	<.0000	<.0000	.0042	.1010
#3	.0328	.0009	7.892	.0090	<.0000	<.0000	.0429
#4	.0321	<.0000	7.862	<.0000	.0034	.0042	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9168	.0171	.0010	.0007
SDev	.0194	.0387	.0004	.0007
%RSD	2.115	226.5	41.09	92.46

#1	.9256	.0364	.0006	<.0000
#2	.9155	.0364	.0013	.0007
#3	.8904	.0364	.0006	.0007
#4	.9356	<.0000	.0013	.0015

Analysis Report

01/23/02 01:53:30 PM

page 1

Method: IECW Sample Name: 31433

Operator: it

Run Time: 01/23/02 13:51:47

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0003	.0096	.0429	.0062	.0138	.0000	6.157
SDev	.0012	.0096	.0496	.0007	.0007	.0000	.018
%RSD	428.9	99.88	115.8	10.94	5.117	.0000	.2899

#1	.0015	.0133	.0692	.0068	.0132	.0000	6.148
#2	<.0000	<.0000	<.0000	.0068	.0132	.0000	6.139
#3	<.0000	.0155	.0742	.0056	.0147	.0000	6.180
#4	.0010	.0144	.0591	.0056	.0139	.0000	6.160

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0006	.0007	.0307	.4788	1.329
SDev	.0015	.0008	.0012	.0008	.0030	.2422	.012
%RSD	411.5	1228.	210.5	117.0	9.855	50.58	.8904

#1	<.0000	.0011	.0013	.0013	.0315	.7227	1.339
#2	.0001	<.0000	<.0000	.0005	.0283	.2529	1.311
#3	.0013	<.0000	.0003	<.0000	.0347	.2891	1.332
#4	<.0000	<.0000	.0017	.0013	.0283	.6504	1.332

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0319	<.0000	7.500	.0035	<.0000	.0220	<.0000
SDev	.0007	.0021	.032	.0054	.0069	.0145	.0800
%RSD	2.300	95.94	.4297	155.9	27.20	66.05	1005.

#1	.0313	<.0000	7.476	.0063	<.0000	.0397	<.0000
#2	.0313	.0010	7.474	<.0000	<.0000	.0220	<.0000
#3	.0328	<.0000	7.543	.0090	<.0000	.0220	.0720
#4	.0321	<.0000	7.506	.0021	<.0000	.0042	.0429

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8829	<.0000	<.0000	.0009
SDev	.0105	.0905	.0014	.0004
%RSD	1.185	4008.	594.0	44.08

#1	.8703	.0622	<.0000	.0015
#2	.8804	<.0000	<.0000	.0007
#3	.8954	.0879	<.0000	.0007
#4	.8854	<.0000	.0013	.0007

Analysis Report

01/23/02 01:56:00 PM

page 1

Method: IECW Sample Name: 31456

Operator: it

Run Time: 01/23/02 13:54:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0002	.0078	.0695	.0138	.0300	.0000	25.09
SDev	.0009	.0101	.0688	.0010	.0004	.0000	.10
%RSD	400.4	129.6	98.99	7.378	1.411	.0000	.3973

#1	.0007	.0140	.1498	.0129	.0303	.0000	25.23
#2	<.0000	<.0000	<.0000	.0135	.0296	.0000	25.07
#3	<.0000	.0174	.0995	.0153	.0296	.0000	25.05
#4	.0012	.0050	.0345	.0135	.0304	.0000	25.00

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0005	.0026	.0037	.0657	2.078	8.421
SDev	.0029	.0008	.0010	.0005	.0013	.334	.065
%RSD	216.7	140.1	38.59	12.85	1.990	16.10	.7733

#1	<.0000	.0016	.0034	.0041	.0641	2.132	8.488
#2	.0028	<.0000	.0011	.0033	.0673	1.807	8.406
#3	<.0000	<.0000	.0029	.0042	.0657	2.529	8.454
#4	<.0000	.0007	.0030	.0033	.0658	1.843	8.338

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0940	<.0000	28.06	.0021	<.0000	.0075	.0468
SDev	.0008	.0102	.08	.0048	.0214	.0303	.1581
%RSD	.8116	277.3	.2725	235.7	154.7	402.6	337.9

#1	.0943	.0088	28.14	.0045	<.0000	.0386	<.0000
#2	.0943	.0005	28.08	<.0000	<.0000	<.0000	.2721
#3	.0943	<.0000	27.95	.0072	<.0000	.0208	.0395
#4	.0928	<.0000	28.06	.0003	.0126	.0031	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.488	.1603	.0010	.0024
SDev	.027	.0532	.0006	.0014
%RSD	1.791	33.19	57.11	58.76

#1	1.505	.1538	.0016	.0004
#2	1.460	.1539	.0010	.0028
#3	1.515	.1023	.0010	.0028
#4	1.470	.2313	.0003	.0036

Analysis Report

01/23/02 01:58:24 PM

page 1

Method: IECW Sample Name: 31460

Operator: it

Run Time: 01/23/02 13:56:40

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0010	.0154	.1234	.0151	.0303	.0000	25.28
SDev	.0006	.0101	.0633	.0022	.0000	.0000	.04
%RSD	66.23	65.70	51.29	14.68	.0131	.0000	.1579

#1	.0017	.0264	.1647	.0147	.0303	.0000	25.25
#2	.0002	.0027	.1549	.0147	.0303	.0000	25.31
#3	.0012	.0128	.0292	.0129	.0303	.0000	25.33
#4	.0007	.0196	.1447	.0182	.0303	.0000	25.24

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0026	.0008	.0661	2.087	8.473
SDev	.0015	.0018	.0004	.0007	.0035	.297	.016
%RSD	567.7	290.7	17.30	84.36	5.306	14.24	.1876

#1	.0010	.0010	.0029	.0016	.0625	2.421	8.457
#2	<.0000	.0003	.0029	.0008	.0641	2.132	8.467
#3	.0010	<.0000	.0020	<.0000	.0673	1.698	8.495
#4	<.0000	<.0000	.0025	.0008	.0704	2.096	8.471

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0997	.0005	28.18	.0055	<.0000	.0119	<.0000
SDev	.0009	.0059	.17	.0029	.0197	.0370	.1126
%RSD	.8874	1230.	.6067	51.89	42590.	309.8	2734.

#1	.0989	.0005	28.01	.0086	.0264	.0208	<.0000
#2	.1005	<.0000	28.18	.0031	.0034	.0031	<.0000
#3	.0989	<.0000	28.41	.0072	<.0000	.0564	<.0000
#4	.1005	.0088	28.10	.0031	<.0000	<.0000	.1557

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.493	.1731	.0015	.0004
SDev	.010	.1354	.0009	.0007
%RSD	.6439	78.18	58.07	182.2

#1	1.485	.1796	.0023	.0004
#2	1.505	.1023	.0016	.0004
#3	1.495	.0507	.0003	<.0000
#4	1.485	.3600	.0016	.0012

Analysis Report

01/23/02 02:00:31 PM

page 1

Method: IECW Sample Name: 31461

Operator: it

Run Time: 01/23/02 13:58:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0009	.0493	.0037	.0138	.0000	6.099
SDev	.0004	.0057	.0478	.0016	.0004	.0001	.026
%RSD	42.04	626.2	97.02	43.36	2.667	200.0	.4305

#1	<.0000	.0020	.0191	.0027	.0132	.0000	6.069
#2	<.0000	.0020	.0191	.0045	.0139	.0000	6.133
#3	<.0000	.0065	.1195	.0057	.0139	.0000	6.101
#4	<.0000	<.0000	.0393	.0021	.0139	<.0000	6.094

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0005	.0003	.0303	.2981	1.311
SDev	.0008	.0010	.0013	.0008	.0008	.2215	.021
%RSD	27.34	100.7	269.2	298.6	2.617	74.31	1.577

#1	<.0000	<.0000	<.0000	.0005	.0299	.3613	1.325
#2	<.0000	.0002	.0013	<.0000	.0299	.5781	1.332
#3	<.0000	<.0000	<.0000	.0013	.0299	.0723	1.288
#4	<.0000	<.0000	.0017	<.0000	.0315	.1807	1.301

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0319	<.0000	4.385	<.0000	<.0000	.0087	<.0000
SDev	.0007	.0000	.035	.0079	.0143	.0089	.0687
%RSD	2.303	.1046	.7968	1175.	82.84	102.4	133.3

#1	.0313	<.0000	4.341	.0021	<.0000	.0042	.0429
#2	.0321	<.0000	4.423	<.0000	<.0000	.0042	<.0000
#3	.0328	<.0000	4.377	<.0000	.0034	.0220	<.0000
#4	.0313	<.0000	4.397	.0090	<.0000	.0042	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6393	.0493	.0011	.0015
SDev	.0239	.0953	.0006	.0013
%RSD	3.739	193.2	57.82	86.62

#1	.6443	.0880	.0020	<.0000
#2	.6543	<.0000	.0013	.0015
#3	.6544	<.0000	.0006	.0031
#4	.6042	.1653	.0006	.0015

Analysis Report

01/23/02 02:04:01 PM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/23/02 14:02:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5012	1.068	.0549	.9873	1.021	1.002	1.065
SDev	.0010	.006	.0184	.0061	.003	.002	.003
%RSD	.1909	.5668	33.52	.6163	.2500	.1609	.2916

#1	.5026	1.068	.0650	.9835	1.022	1.002	1.063
#2	.5006	1.077	.0347	.9888	1.022	1.001	1.062
#3	.5006	1.062	.0751	.9817	1.017	.9999	1.068
#4	.5011	1.068	.0449	.9952	1.023	1.004	1.067

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.039	1.024	.9742	1.004	1.038	.8311	1.028
SDev	.006	.004	.0029	.004	.003	.2876	.005
%RSD	.5377	.3700	.3028	.3980	.2488	34.60	.4986

#1	1.031	1.025	.9777	1.005	1.035	.7949	1.032
#2	1.044	1.023	.9731	1.002	1.042	.7588	1.032
#3	1.041	1.029	.9708	.9994	1.038	1.229	1.025
#4	1.041	1.020	.9754	1.009	1.038	.5420	1.022

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.031	.9551	1.172	1.051	1.033	1.059	.0382
SDev	.002	.0080	.021	.008	.035	.018	.0712
%RSD	.2218	.8339	1.784	.7920	3.363	1.681	186.5

#1	1.031	.9530	1.183	1.044	.9994	1.068	.0382
#2	1.032	.9613	1.183	1.060	1.009	1.032	<.0000
#3	1.029	.9447	1.181	1.044	1.050	1.068	.1254
#4	1.034	.9613	1.141	1.055	1.073	1.068	.0382

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9814	1.091	.9944	1.026
SDev	.0221	.096	.0027	.003
%RSD	2.251	8.837	.2697	.3050

#1	.9914	1.091	.9922	1.024
#2	.9563	1.220	.9935	1.022
#3	1.007	1.065	.9935	1.026
#4	.9714	.9880	.9983	1.030

Analysis Report

01/23/02 02:06:43 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/23/02 14:04:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0019	.0070	.0476	.0029	.0004	.0006	<.0000
SDev	.0015	.0088	.0717	.0006	.0004	.0001	.0022
%RSD	80.00	125.5	150.6	18.97	99.92	21.52	231.6

#1	.0011	<.0000	<.0000	.0037	.0006	.0007	<.0000
#2	.0042	.0186	.0600	.0031	.0006	.0006	.0017
#3	.0011	.0051	.0753	.0025	<.0000	.0005	<.0000
#4	.0011	.0073	.1104	.0025	.0006	.0004	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0003	.0006	.0050	.0016	.0632	<.0000
SDev	.0008	.0009	.0007	.0013	.0047	.2578	.0043
%RSD	50.34	285.3	119.1	25.00	299.4	407.8	41.94

#1	<.0000	<.0000	.0002	.0040	.0055	<.0000	<.0000
#2	<.0000	.0015	.0002	.0065	.0055	.3613	<.0000
#3	<.0000	.0003	.0016	.0040	<.0000	<.0000	<.0000
#4	<.0000	.0001	.0002	.0056	<.0000	.1445	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	.0250	.0116	.0056	.0115	.0089	<.0000
SDev	.0004	.0120	.0163	.0056	.0161	.0089	.0238
%RSD	199.4	47.87	139.8	100.8	140.3	100.3	23.35

#1	<.0000	.0343	<.0000	.0010	.0173	.0045	<.0000
#2	.0008	.0343	.0238	.0024	<.0000	.0044	<.0000
#3	.0000	.0094	.0258	.0052	.0034	.0222	<.0000
#4	.0000	.0218	.0056	.0135	.0310	.0044	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.0000	.0014	.0008
SDev	.0167	.1143	.0015	.0007
%RSD	49.18	1984000.	108.0	81.69

#1	<.0000	<.0000	<.0000	.0016
#2	<.0000	<.0000	.0027	.0008
#3	<.0000	.1418	.0014	.0008
#4	<.0000	.0387	.0020	<.0000

Analysis Report

01/23/02 02:08:58 PM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 01/23/02 14:07:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0183	.2598	.3266	.2482	.2586	.0498	.0125
SDev	.0015	.0126	.0624	.0025	.0009	.0001	.0021
%RSD	8.121	4.847	19.12	.9954	.3587	.2810	16.98

#1	.0198	.2708	.3980	.2493	.2577	.0497	.0154
#2	.0193	.2696	.3177	.2493	.2584	.0499	.0128
#3	.0173	.2448	.3431	.2498	.2599	.0500	.0110
#4	.0168	.2539	.2476	.2445	.2584	.0497	.0109

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	R_7664	Mg2790
Avge	.1065	.1077	.2472	.2616	.2587	.1174	<.0000
SDev	.0022	.0030	.0023	.0008	.0050	.1038	.0081
%RSD	2.096	2.803	.9356	.3055	1.935	88.38	104.5

#1	.1089	.1116	.2452	.2618	.2524	<.0000	<.0000
#2	.1077	.1084	.2502	.2610	.2571	.2529	<.0000
#3	.1053	.1065	.2456	.2626	.2619	.1084	<.0000
#4	.1040	.1045	.2479	.2610	.2634	.1084	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2625	.1049	.0475	.2663	.2398	.2481	.2750
SDev	.0017	.0076	.0112	.0040	.0158	.0468	.1035
%RSD	.6468	7.241	23.59	1.495	6.568	18.85	37.64

#1	.2604	.1090	.0520	.2687	.2329	.2881	.1296
#2	.2642	.1007	.0439	.2687	.2237	.1992	.2749
#3	.2619	.0966	.0601	.2604	.2605	.2881	.3622
#4	.2635	.1132	.0338	.2673	.2421	.2170	.3331

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1469	.3537	.1007	.2627
SDev	.0096	.1121	.0013	.0045
%RSD	6.545	31.69	1.278	1.716

#1	.1545	.4504	.1025	.2583
#2	.1344	.2699	.1005	.2688
#3	.1445	.2442	.0998	.2631
#4	.1545	.4504	.0998	.2607

Analysis Report

01/23/02 02:20:16 PM

page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 01/23/02 14:18:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0003	.0008	.0615	<.0000	<.0000	.0001	<.0000
SDev	.0010	.0072	.0423	.0018	.0004	.0001	.0009
%RSD	412.3	850.8	68.83	200.4	100.2	66.67	71.41
#1	.0001	.0107	.0149	<.0000	<.0000	.0000	<.0000
#2	<.0000	.0017	.1105	<.0000	<.0000	.0000	<.0000
#3	.0016	<.0000	.0402	.0007	<.0000	.0001	<.0000
#4	.0001	<.0000	.0804	<.0000	<.0000	.0000	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0022	.0013	.0002	<.0000	<.0000	<.0000
SDev	.0014	.0007	.0009	.0005	.0047	.4051	.0170
%RSD	919.3	31.53	74.46	230.6	1209.	2242.	110.9
#1	.0014	.0019	.0002	.0006	.0055	<.0000	<.0000
#2	.0014	.0015	.0007	<.0000	.0008	<.0000	<.0000
#3	<.0000	.0031	.0021	.0006	<.0000	.5781	<.0000
#4	<.0000	.0022	.0021	<.0000	<.0000	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0000	<.0000	.0212	<.0000	<.0000	<.0000	<.0000
SDev	.0000	.0042	.0135	.0074	.0138	.0224	.0839
%RSD	125.7	79.98	63.81	2166.	597.3	83.91	288.7
#1	<.0000	<.0000	.0399	<.0000	<.0000	<.0000	.0436
#2	.0000	<.0000	.0197	<.0000	.0034	<.0000	<.0000
#3	.0000	<.0000	.0177	.0094	<.0000	.0045	<.0000
#4	.0000	<.0000	.0076	<.0000	.0127	<.0000	.0436
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	<.0000	.0010	.0012			
SDev	.0179	.0614	.0004	.0010			
%RSD	26.90	238.2	38.56	86.01			
#1	<.0000	<.0000	.0007	.0016			
#2	<.0000	<.0000	.0014	.0024			
#3	<.0000	.0644	.0007	.0008			
#4	<.0000	<.0000	.0014	.0000			

Analysis Report

01/23/02 02:35:45 PM

page 1

Method: IECW Sample Name: 31462

Operator: it

Run Time: 01/23/02 14:34:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0381	.0055	.0134	.0000	6.083
SDev	.0010	.0034	.0218	.0014	.0004	.0000	.010
%RSD	45.14	44.81	57.31	25.24	2.753	.0000	.1660

#1	<.0000	<.0000	.0594	.0045	.0132	.0000	6.090
#2	<.0000	<.0000	.0093	.0057	.0139	.0000	6.086
#3	<.0000	<.0000	.0343	.0045	.0132	.0000	6.068
#4	<.0000	<.0000	.0493	.0074	.0132	.0000	6.087

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0009	<.0000	.0295	<.0000	1.312
SDev	.0033	.0009	.0013	.0013	.0024	.2572	.012
%RSD	162.3	192.2	136.1	221.0	8.040	101.7	.9109

#1	<.0000	<.0000	.0004	.0005	.0268	<.0000	1.308
#2	<.0000	<.0000	.0017	<.0000	.0315	<.0000	1.298
#3	<.0000	<.0000	<.0000	<.0000	.0315	<.0000	1.318
#4	.0019	.0008	.0022	.0005	.0283	.0361	1.325

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0319	<.0000	4.337	.0101	<.0000	.0043	<.0000
SDev	.0004	.0021	.021	.0035	.0079	.0290	.0599
%RSD	1.203	96.06	.4924	34.39	114.2	683.3	758.6

#1	.0321	<.0000	4.316	.0104	<.0000	.0043	<.0000
#2	.0321	<.0000	4.335	.0063	.0035	.0398	.0721
#3	.0313	<.0000	4.367	.0090	<.0000	.0042	<.0000
#4	.0321	.0010	4.331	.0146	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5903	<.0000	<.0000	.0013
SDev	.0171	.1479	.0008	.0012
%RSD	2.897	686.5	93.54	91.68

#1	.5841	.1911	<.0000	.0007
#2	.6042	<.0000	<.0000	.0031
#3	.5690	<.0000	<.0000	.0007
#4	.6041	<.0000	<.0000	.0007

Analysis Report

01/23/02 02:38:01 PM

page 1

Method: IECW Sample Name: 31462lab dup

Operator: it

Run Time: 01/23/02 14:36:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0082	.0605	.0040	.0139 ¹³⁴	.0000	6.076 ⁶⁰⁸³
SDev	.0009	.0074	.0334	.0015	.0000	.0000	.010
%RSD	77.91	90.43	55.30	36.53	.0109	.0000	.1626

#1	<.0000	<.0000	.0694	.0045	.0139	.0000	6.074
#2	<.0000	.0088	.0190	.0021	.0139	.0000	6.080
#3	.0000	.0065	.0994	.0039	.0139	.0000	6.063
#4	<.0000	.0178	.0541	.0057	.0139	.0000	6.086

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0005	<.0000	.0009	.0299 ²⁹⁵	.1716	1.314 ¹³¹²
SDev	.0005	.0017	.0008	.0005	.0026	.2215	.014
%RSD	28.57	362.7	174.2	53.85	8.639	129.1	1.069

#1	<.0000	.0011	<.0000	.0005	.0299	<.0000	1.305
#2	<.0000	.0013	<.0000	.0013	.0331	.3975	1.318
#3	<.0000	.0015	<.0000	.0005	.0299	.1084	1.301
#4	<.0000	<.0000	.0003	.0013	.0268	.2891	1.332

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0332 ³¹⁹	<.0000	4.343 ⁴³³⁷	.0059 ¹⁰¹	<.0000	<.0000	.0138
SDev	.0004	.0000	.031	.0044	.0217	.0324	.0411
%RSD	1.332	.1532	.7232	75.08	932.9	239.0	296.8

#1	.0336	<.0000	4.353	.0021	<.0000	<.0000	.0430
#2	.0336	<.0000	4.365	.0021	.0034	.0220	.0429
#3	.0328	<.0000	4.357	.0090	.0034	<.0000	<.0000
#4	.0328	<.0000	4.296	.0104	.0172	.0042	.0138

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6041	<.0000	.0006	.0011
SDev	.0142	.1552	.0000	.0005
%RSD	2.349	1789.	.1034	41.69

#1	.5941	.0365	.0006	.0007
#2	.5941	<.0000	.0006	.0015
#3	.6042	<.0000	.0006	.0015
#4	.6242	.1910	.0006	.0007

Analysis Report

01/23/02 02:53:12 PM

page 1

Method: IECW Sample Name: 31462spk

Operator: it

Run Time: 01/23/02 14:51:29

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0209	.2860	.2814	.2614	.2777	.0509	5.985
SDev	.0010	.0045	.0159	.0034	.0006	.0002	.017
%RSD	4.583	1.585	5.660	1.288	.2161	.3472	.2877

#1	.0208	.2925	.2712	.2659	.2777	.0510	5.999
#2	.0203	.2835	.3015	.2595	.2777	.0509	5.981
#3	.0203	.2857	.2663	.2618	.2785	.0510	5.998
#4	.0223	.2824	.2865	.2583	.2770	.0506	5.963

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1069	.1097	.2531	.2614	.2954	.2710	1.315
SDev	.0040	.0009	.0012	.0014	.0047	.1807	.019
%RSD	3.774	.8069	.4631	.5450	1.597	66.67	1.423

#1	.1113	.1093	.2544	.2617	.3021	.5420	1.342
#2	.1052	.1093	.2526	.2600	.2942	.1807	1.301
#3	.1089	.1110	.2535	.2633	.2942	.1807	1.311
#4	.1022	.1093	.2517	.2608	.2910	.1807	1.305

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2978	.1037	4.245	.2750	.2685	.2656	.3033
SDev	.0006	.0040	.041	.0077	.0095	.0267	.1627
%RSD	.2095	3.842	.9722	2.805	3.536	10.05	53.65

#1	.2986	.1006	4.227	.2698	.2604	.2522	.3614
#2	.2978	.1006	4.280	.2726	.2604	.2345	.0707
#3	.2978	.1089	4.273	.2712	.2789	.2878	.4486
#4	.2971	.1048	4.195	.2864	.2743	.2878	.3324

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7674	.2612	.1031	.2675
SDev	.0289	.1178	.0006	.0015
%RSD	3.759	45.11	.5376	.5796

#1	.7849	.3450	.1031	.2671
#2	.7850	.2935	.1038	.2687
#3	.7247	.3192	.1031	.2687
#4	.7749	.0873	.1025	.2655

Analysis Report

01/23/02 02:56:45 PM

page 1

Method: IECW Sample Name: 31464

Operator: it

Run Time: 01/23/02 14:55:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0012	.0145	.0568	.0151	.0303	.0001	25.48
SDev	.0017	.0118	.0261	.0013	.0000	.0001	.09
%RSD	137.8	81.34	45.87	8.606	.0321	66.67	.3590

#1	.0007	.0263	.0893	.0158	.0303	.0001	25.60
#2	<.0000	<.0000	.0645	.0135	.0303	.0000	25.43
#3	.0017	.0117	.0443	.0147	.0303	.0000	25.39
#4	.0033	.0207	.0291	.0164	.0303	.0000	25.48

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0009	.0032	.0023	.0712	1.662	8.537
SDev	.0014	.0010	.0016	.0008	.0016	.418	.029
%RSD	322.5	114.0	49.35	35.18	2.207	25.16	.3416

#1	.0010	.0008	.0038	.0033	.0720	1.951	8.573
#2	<.0000	<.0000	.0015	.0016	.0720	1.084	8.525
#3	<.0000	.0021	.0024	.0016	.0688	1.626	8.505
#4	.0003	.0010	.0052	.0025	.0720	1.987	8.546

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0941	.0057	28.00	.0117	.0092	.0208	.0758
SDev	.0004	.0071	.06	.0017	.0247	.0145	.0550
%RSD	.4090	125.2	.2039	14.86	270.0	69.76	72.55

#1	.0936	.0046	27.99	.0114	.0402	.0208	.1557
#2	.0943	.0130	28.08	.0100	<.0000	.0387	.0395
#3	.0943	<.0000	28.00	.0114	.0172	.0031	.0395
#4	.0943	.0088	27.94	.0142	<.0000	.0208	.0685

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.444	.1279	.0016	.0016
SDev	.045	.1171	.0015	.0008
%RSD	3.089	91.56	89.45	51.53

#1	1.470	.1536	.0037	.0012
#2	1.385	.0506	.0003	.0012
#3	1.435	.0249	.0016	.0028
#4	1.485	.2825	.0010	.0012

Analysis Report

01/23/02 03:01:21 PM

page 1

Method: IECW Sample Name: 31465

Operator: it

Run Time: 01/23/02 14:59:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0007	.0130	.0529	.0039	.0141	.0001	6.157
SDev	.0015	.0051	.0264	.0008	.0004	.0001	.014
%RSD	228.8	38.96	49.92	21.55	2.603	66.67	.2217

#1	<.0000	.0088	.0692	.0045	.0139	.0000	6.165
#2	.0010	.0099	.0692	.0039	.0139	.0000	6.140
#3	.0026	.0200	.0590	.0027	.0147	.0001	6.170
#4	.0000	.0133	.0139	.0045	.0139	.0000	6.152

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0010	.0005	.0017	.0303	<.0000	1.342
SDev	.0003	.0019	.0015	.0011	.0024	.3483	.007
%RSD	19.17	204.8	334.7	62.40	7.824	1285.	.5498

#1	<.0000	<.0000	<.0000	.0005	.0283	<.0000	1.339
#2	<.0000	.0018	<.0000	.0021	.0315	<.0000	1.352
#3	<.0000	.0033	.0022	.0030	.0331	.4336	1.342
#4	<.0000	<.0000	.0013	.0013	.0283	<.0000	1.335

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0324	<.0000	4.338	.0087	<.0000	.0131	.0066
SDev	.0004	.0021	.035	.0074	.0188	.0103	.0801
%RSD	1.363	95.55	.8075	84.95	1583.	78.54	1222.

#1	.0328	<.0000	4.381	.0146	.0172	.0042	<.0000
#2	.0328	.0009	4.312	<.0000	<.0000	.0220	.0429
#3	.0321	<.0000	4.351	.0118	.0126	.0042	<.0000
#4	.0321	<.0000	4.306	.0104	<.0000	.0220	.1010

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6380	.0622	.0004	.0009
SDev	.0230	.1280	.0010	.0015
%RSD	3.600	206.0	229.8	167.1

#1	.6091	.2168	<.0000	<.0000
#2	.6442	<.0000	.0013	.0031
#3	.6644	.1137	.0013	.0007
#4	.6342	<.0000	<.0000	<.0000

Analysis Report

01/23/02 03:04:14 PM

page 1

Method: IECW Sample Name: 31466

Operator: it

Run Time: 01/23/02 15:02:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0007	.0136	.0667	.0046	.0139	.0000	6.178
SDev	.0029	.0136	.0546	.0021	.0006	.0001	.046
%RSD	439.7	100.4	81.88	45.78	4.292	163.3	.7518

#1	.0020	.0099	<.0000	.0033	.0132	.0000	6.174
#2	<.0000	.0077	.1094	.0051	.0139	<.0000	6.142
#3	.0041	.0335	.0990	.0074	.0147	.0001	6.245
#4	<.0000	.0031	.0693	.0027	.0139	.0000	6.152

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0010	.0014	.0011	.0343	<.0000	1.342
SDev	.0025	.0020	.0011	.0021	.0008	.4445	.032
%RSD	122.7	206.6	78.81	189.6	2.285	1230.	2.368

#1	<.0000	.0011	.0013	.0013	.0347	.0361	1.339
#2	<.0000	.0024	.0022	.0005	.0331	<.0000	1.311
#3	.0013	.0022	.0021	.0038	.0346	.5420	1.387
#4	<.0000	<.0000	<.0000	<.0000	.0347	<.0000	1.332

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0345	<.0000	4.357	.0049	<.0000	.0086	.0647
SDev	.0010	.0048	.008	.0086	.0176	.0304	.0279
%RSD	2.785	65.01	.1811	177.2	1480.	352.4	43.09

#1	.0344	<.0000	4.359	.0090	.0034	.0220	.0429
#2	.0344	<.0000	4.349	<.0000	<.0000	.0042	.0720
#3	.0359	<.0000	4.367	.0062	.0218	<.0000	.0428
#4	.0336	<.0000	4.353	.0118	<.0000	.0398	.1011

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6317	.0042	.0010	.0013
SDev	.0150	.1179	.0017	.0012
%RSD	2.377	2838.	179.5	91.97

#1	.6242	<.0000	.0006	.0007
#2	.6242	.1395	.0006	.0007
#3	.6542	<.0000	.0033	.0007
#4	.6242	.0364	<.0000	.0031

Analysis Report

01/23/02 03:09:31 PM

page 1

Method: IECW Sample Name: 31457

Operator: it

Run Time: 01/23/02 15:07:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0110	.0604	.0046	.0141	.0000	6.166
SDev	.0010	.0080	.0684	.0017	.0004	.0001	.037
%RSD	132.5	72.66	113.1	36.69	2.586	383.0	.5990

#1	<.0000	.0110	.1043	.0027	.0147	.0001	6.208
#2	.0000	.0155	.0390	.0068	.0139	.0000	6.182
#3	<.0000	.0178	<.0000	.0045	.0139	<.0000	6.124
#4	.0000	<.0000	.1246	.0045	.0139	<.0000	6.149

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0001	.0017	.0275	<.0000	1.328
SDev	.0016	.0014	.0009	.0008	.0020	.1544	.020
%RSD	2451.	2128.	766.8	48.33	7.397	51.78	1.520

#1	<.0000	.0001	<.0000	.0013	.0299	<.0000	1.352
#2	.0013	.0006	.0013	.0030	.0252	<.0000	1.308
#3	.0007	.0011	.0004	.0013	.0283	<.0000	1.315
#4	.0001	<.0000	<.0000	.0013	.0268	<.0000	1.335

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0328	<.0000	4.344	.0021	<.0000	.0175	.0138
SDev	.0009	.0072	.035	.0071	.0102	.0445	.0671
%RSD	2.694	136.0	.8060	337.5	146.9	253.5	485.1

#1	.0336	<.0000	4.304	.0021	<.0000	.0042	.0720
#2	.0336	<.0000	4.345	.0090	.0034	<.0000	.0720
#3	.0321	.0009	4.389	<.0000	<.0000	.0753	<.0000
#4	.0321	<.0000	4.337	.0049	<.0000	.0220	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6016	.0815	.0004	.0013
SDev	.0261	.1018	.0012	.0004
%RSD	4.335	124.8	261.3	30.60

#1	.6392	.0364	<.0000	.0015
#2	.5991	.1653	.0020	.0015
#3	.5840	.1653	.0006	.0007
#4	.5840	<.0000	<.0000	.0015

Analysis Report

01/23/02 03:11:53 PM

page 1

Method: IECW Sample Name: 31498

Operator: it

Run Time: 01/23/02 15:10:10

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0068	.0027	.0053	.0136	.0000	6.192
SDev	.0011	.0052	.0327	.0026	.0004	.0000	.019
%RSD	185.4	76.88	1205.	48.85	3.135	.0000	.3054

#1	<.0000	.0088	<.0000	.0068	.0132	.0000	6.214
#2	<.0000	.0020	<.0000	.0021	.0139	.0000	6.198
#3	.0010	.0133	<.0000	.0045	.0139	.0000	6.186
#4	<.0000	.0031	.0492	.0080	.0132	.0000	6.169

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0006	<.0000	.0007	.0331	<.0000	1.339
SDev	.0018	.0013	.0011	.0004	.0022	.1720	.010
%RSD	343.0	224.3	108.4	61.13	6.767	52.90	.7509

#1	.0013	.0015	<.0000	.0005	.0315	<.0000	1.346
#2	<.0000	<.0000	<.0000	.0013	.0331	<.0000	1.349
#3	.0001	.0015	<.0000	.0005	.0362	<.0000	1.332
#4	<.0000	.0008	<.0000	.0005	.0315	<.0000	1.329

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0330	<.0000	7.972	.0142	<.0000	<.0000	.0356
SDev	.0007	.0042	.060	.0106	.0137	.0467	.0599
%RSD	2.223	78.59	.7520	74.80	148.9	19370.	168.2

#1	.0336	<.0000	7.981	.0201	<.0000	.0220	.0720
#2	.0321	<.0000	8.026	.0257	.0034	.0042	<.0000
#3	.0328	<.0000	7.993	.0090	<.0000	.0397	<.0000
#4	.0336	<.0000	7.886	.0021	<.0000	<.0000	.1011

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8239	.0106	<.0000	.0001
SDev	.0211	.1280	.0003	.0008
%RSD	2.558	1206.	58.94	722.0

#1	.7950	.1652	<.0000	.0007
#2	.8301	.0364	<.0000	<.0000
#3	.8452	<.0000	<.0000	<.0000
#4	.8251	<.0000	<.0000	.0007

Analysis Report

01/23/02 03:14:09 PM

page 1

Method: IECW Sample Name: 31499
 Run Time: 01/23/02 15:12:25
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0136	.0441	.0045	.0139	.0000	6.204
SDev	.0010	.0058	.0377	.0013	.0000	.0001	.006
%RSD	429.0	43.08	85.63	28.55	.0071	14e6	.0980

#1	.0010	.0110	.0340	.0045	.0139	<.0000	6.212
#2	<.0000	.0189	.0892	.0027	.0139	.0000	6.205
#3	.0000	.0178	.0540	.0050	.0139	.0000	6.199
#4	<.0000	.0065	<.0000	.0056	.0139	<.0000	6.199

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0008	.0001	.0347	<.0000	1.345
SDev	.0012	.0014	.0008	.0005	.0039	.2135	.015
%RSD	533.5	928.7	105.5	858.5	11.17	81.50	1.105

#1	<.0000	.0011	.0017	.0005	.0378	<.0000	1.342
#2	<.0000	<.0000	<.0000	<.0000	.0331	<.0000	1.359
#3	.0013	.0008	.0012	.0005	.0378	<.0000	1.352
#4	.0001	<.0000	.0003	<.0000	.0299	<.0000	1.325

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0340	<.0000	7.337	.0069	<.0000	.0086	.0211
SDev	.0004	.0042	.006	.0076	.0165	.0303	.0644
%RSD	1.305	78.55	.0827	110.0	706.8	351.7	305.7

#1	.0343	<.0000	7.332	<.0000	.0126	.0042	.0429
#2	.0336	<.0000	7.340	.0021	.0080	.0219	.0429
#3	.0336	<.0000	7.332	.0160	<.0000	.0397	.0719
#4	.0344	<.0000	7.344	.0104	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8088	.0686	<.0000	.0015
SDev	.0111	.0877	.0006	.0013
%RSD	1.376	127.9	274.0	86.73

#1	.8000	.0621	.0006	.0015
#2	.8050	.1910	<.0000	.0015
#3	.8251	<.0000	<.0000	.0031
#4	.8050	.0364	<.0000	<.0000

Analysis Report

01/23/02 03:22:09 PM

page 1

Method: IECW Sample Name: 31500

Operator: it

Run Time: 01/23/02 15:20:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0002	.0043	.0505	.0064	.0136	.0000	6.196
SDev	.0009	.0087	.0679	.0009	.0004	.0000	.018
%RSD	561.9	203.0	134.5	13.79	3.124	.0000	.2852

#1	.0000	.0099	<.0000	.0056	.0139	.0000	6.207
#2	.0010	.0020	.0894	.0068	.0132	.0000	6.194
#3	<.0000	<.0000	.1046	.0056	.0132	.0000	6.171
#4	.0005	.0122	.0541	.0074	.0139	.0000	6.211

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0013	.0046	.0327	<.0000	1.315
SDev	.0016	.0005	.0022	.0010	.0008	.3143	.012
%RSD	64.04	415.0	170.0	20.73	2.413	116.0	.8997

#1	<.0000	<.0000	.0040	.0038	.0331	<.0000	1.305
#2	<.0000	<.0000	.0017	.0055	.0331	.0361	1.311
#3	<.0000	.0001	<.0000	.0038	.0315	<.0000	1.311
#4	<.0000	.0004	.0003	.0055	.0331	<.0000	1.332

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0315	<.0000	7.906	.0090	<.0000	<.0000	<.0000
SDev	.0004	.0052	.019	.0032	.0095	.0224	.0599
%RSD	1.218	123.2	.2371	35.47	205.6	9721.	266.6

#1	.0321	<.0000	7.925	.0063	<.0000	<.0000	<.0000
#2	.0313	.0010	7.880	.0118	<.0000	.0220	<.0000
#3	.0313	<.0000	7.911	.0118	.0035	.0042	<.0000
#4	.0313	<.0000	7.911	.0063	.0034	.0042	.0429

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7925	.0880	.0008	.0021
SDev	.0145	.1245	.0003	.0008
%RSD	1.827	141.5	43.28	36.34

#1	.7749	.0622	.0006	.0015
#2	.7900	.2684	.0006	.0031
#3	.7950	<.0000	.0006	.0015
#4	.8101	.0364	.0013	.0023

Analysis Report

01/23/02 03:25:25 PM

page 1

Method: IECW Sample Name: 31501

Operator: it

Run Time: 01/23/02 15:23:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0009	.0167	.0645	.0068	.0169	.0000	9.727
SDev	.0011	.0067	.0112	.0022	.0004	.0000	.048
%RSD	131.0	40.21	17.34	31.88	2.506	.0000	.4920

#1	<.0000	.0150	.0683	.0095	.0165	.0000	9.657
#2	.0020	.0195	.0481	.0077	.0172	.0000	9.761
#3	.0015	.0240	.0682	.0048	.0165	.0000	9.751
#4	.0005	.0083	.0734	.0054	.0172	.0000	9.741

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0012	.0010	.0119	.0387	.2800	2.637
SDev	.0011	.0010	.0018	.0004	.0039	.1364	.013
%RSD	374.4	84.03	172.7	3.510	9.998	48.71	.5113

#1	.0012	.0008	<.0000	.0112	.0340	.3252	2.643
#2	<.0000	.0000	.0033	.0121	.0435	.4336	2.653
#3	<.0000	.0016	<.0000	.0121	.0387	.2529	2.626
#4	<.0000	.0023	.0015	.0121	.0387	.1084	2.626

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0387	.0009	11.46	.0115	<.0000	.0129	.0641
SDev	.0004	.0059	.04	.0079	.0078	.0103	.0835
%RSD	.9901	686.9	.3359	69.09	168.9	79.78	130.3

#1	.0389	<.0000	11.41	.0018	.0034	.0218	.0713
#2	.0388	.0009	11.46	.0087	<.0000	.0217	.1585
#3	.0381	.0092	11.50	.0156	<.0000	.0040	.0713
#4	.0389	<.0000	11.46	.0198	<.0000	.0040	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9835	.0536	.0009	.0027
SDev	.0164	.0387	.0004	.0008
%RSD	1.670	72.10	43.87	30.30

#1	.9834	.1116	.0012	.0031
#2	.9633	.0343	.0012	.0031
#3	1.004	.0343	.0006	.0015
#4	.9835	.0343	.0006	.0031

Analysis Report

01/23/02 03:28:12 PM

page 1

Method: IECW Sample Name: 31503

Operator: it

Run Time: 01/23/02 15:26:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0003	.0048	.0655	.0053	.0143	.0000	6.297
SDev	.0005	.0085	.0383	.0006	.0004	.0001	.017
%RSD	181.6	176.3	58.38	11.01	2.969	200.0	.2707

#1	.0000	.0020	.0995	.0056	.0139	.0000	6.278
#2	.0010	.0065	.0492	.0056	.0147	.0000	6.304
#3	.0000	<.0000	.0192	.0056	.0147	<.0000	6.317
#4	.0000	.0155	.0943	.0045	.0139	.0000	6.289

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0010	<.0000	.0101	.0339	<.0000	1.315
SDev	.0027	.0018	.0007	.0005	.0009	.2572	.006
%RSD	393.1	188.4	100.1	4.787	2.699	142.4	.4744

#1	<.0000	.0004	<.0000	.0105	.0331	<.0000	1.318
#2	.0031	.0022	<.0000	.0105	.0347	<.0000	1.311
#3	<.0000	<.0000	<.0000	.0097	.0347	<.0000	1.308
#4	<.0000	.0025	<.0000	.0097	.0331	.1807	1.322

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0282	<.0000	7.431	.0094	<.0000	<.0000	.0357
SDev	.0000	.0052	.050	.0077	.0157	.0224	.0366
%RSD	.0010	123.1	.6726	82.21	135.9	9624.	102.7

#1	.0282	<.0000	7.470	.0118	<.0000	.0220	.0429
#2	.0282	<.0000	7.417	<.0000	.0034	.0042	.0429
#3	.0282	<.0000	7.472	.0132	<.0000	<.0000	.0720
#4	.0282	.0009	7.367	.0146	<.0000	.0042	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8051	.0944	.0001	.0023
SDev	.0148	.0531	.0010	.0011
%RSD	1.838	56.28	980.1	49.08

#1	.8000	.0364	<.0000	.0015
#2	.8051	.0622	.0013	.0023
#3	.8252	.1395	<.0000	.0040
#4	.7900	.1395	.0006	.0015

Analysis Report

01/23/02 03:30:46 PM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/23/02 15:29:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4985	1.059	.0475	.9822	1.015	.9996	1.064
SDev	.0021	.003	.0661	.0074	.004	.0039	.005
%RSD	.4302	.3009	139.2	.7529	.3679	.3875	.4419

#1	.4996	1.061	.0550	.9747	1.012	.9983	1.067
#2	.4970	1.054	<.0000	.9876	1.014	.9999	1.063
#3	.4965	1.059	.0350	.9770	1.013	.9955	1.057
#4	.5011	1.061	.1303	.9894	1.020	1.005	1.067

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.036	1.023	.9700	.9921	1.031	.1987	1.011
SDev	.010	.003	.0035	.0060	.006	.1084	.008
%RSD	.9206	.3027	.3633	.6080	.5941	54.55	.7799

#1	1.023	1.025	.9685	.9886	1.029	.3252	1.004
#2	1.040	1.021	.9736	.9902	1.030	.2529	1.018
#3	1.038	1.020	.9658	.9886	1.026	.1084	1.004
#4	1.045	1.027	.9722	1.001	1.040	.1084	1.018

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.030	.9197	1.174	1.050	1.018	1.050	.1036
SDev	.002	.0207	.004	.017	.031	.025	.0436
%RSD	.1605	2.247	.3586	1.652	3.022	2.395	42.07

#1	1.029	.8947	1.169	1.037	1.032	1.068	.0673
#2	1.030	.9114	1.175	1.038	1.036	1.014	.0673
#3	1.029	.9405	1.179	1.049	.9718	1.068	.1545
#4	1.032	.9322	1.173	1.074	1.032	1.050	.1254

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9375	1.007	.9905	1.015
SDev	.0103	.044	.0026	.005
%RSD	1.104	4.368	.2655	.4713

#1	.9463	.9623	.9894	1.014
#2	.9312	.9880	.9915	1.014
#3	.9262	1.014	.9874	1.010
#4	.9462	1.065	.9935	1.022

Analysis Report

01/23/02 03:34:35 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/23/02 15:32:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0028	.0121	.0425	.0032	.0002	.0002	.0012
SDev	.0011	.0070	.0296	.0011	.0004	.0001	.0011
%RSD	40.32	58.00	69.62	34.37	231.0	28.87	91.20

#1	.0032	.0163	.0651	.0048	.0006	.0002	.0024
#2	.0042	.0197	.0700	.0025	.0006	.0002	.0005
#3	.0021	.0073	.0100	.0025	<.0000	.0001	.0001
#4	.0016	.0051	.0251	.0031	<.0000	.0001	.0017

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0012	.0008	.0029	<.0000	<.0000	.0026
SDev	.0012	.0013	.0009	.0008	.0046	.1544	.0186
%RSD	378.6	109.8	117.5	27.34	587.4	113.9	726.8

#1	<.0000	.0004	.0007	.0040	<.0000	<.0000	.0248
#2	<.0000	.0024	.0021	.0031	.0055	.0361	.0111
#3	.0014	<.0000	<.0000	.0023	<.0000	<.0000	<.0000
#4	<.0000	.0022	.0007	.0023	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	P62203	Sb2068	Se1960
Avge	<.0000	.0094	.0354	.0128	.0149	.0222	<.0000
SDev	.0004	.0068	.0156	.0080	.0174	.0251	.0628
%RSD	115.0	72.64	44.11	62.09	116.6	113.3	430.7

#1	<.0000	.0094	.0258	.0135	.0126	.0577	<.0000
#2	<.0000	.0093	.0541	.0218	.0402	.0044	.0435
#3	<.0000	.0010	.0419	.0135	.0034	.0044	<.0000
#4	<.0000	.0177	.0197	.0024	.0034	.0222	.0145

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0451	.0017	.0006
SDev	.0254	.0852	.0009	.0008
%RSD	28.86	188.9	51.55	127.9

#1	<.0000	<.0000	.0020	<.0000
#2	<.0000	.1417	.0027	.0008
#3	<.0000	.0645	.0007	.0016
#4	<.0000	.0387	.0014	.0000