

WTC Samples.

12/14/01		28914	12/17/01
IT			
Blk	28468	28915	Blk
SSID	28469	28916	SSID
IPC+CB	28470	28938	IPC
LFB+LRB	28165	28973	LFB
27951+Lab Dup+spk	IPC+CB	28980	28
27952	LFB+LRB	IPC+CB	29
27953	28644+Lab Dup+spk		29
27954	28645		29
27955	28646		29
27956	28647		29
27957	28680		29
28308	28682		29
28309	28841+Lab Dup		30
28310	28843		30
IPC+CB	28845		IP
28322+Lab Dup+spk	28894		29
28323	IPC+CB		29
28324	28767 Lab Dup+spk		30
28325	29015		30
28326	29119		30
5 27	29238		30

Reviewed by,
 [Signature] 1/8/02

Standardization Rpt.

12/14/01 10:10:41 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 12/14/01 10:08:58

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.335	3.885	.5050	.2870	.1440	.1985	3.964
SDev	.006	.012	.0213	.0048	.0000	.0010	.017
%RSD	.4658	.3156	4.210	1.659	.0000	.5038	.4405

#1	1.334	3.870	.4960	.2800	.1440	.1980	3.956
#2	1.330	3.884	.5000	.2880	.1440	.1980	3.944
#3	1.332	3.900	.4880	.2900	.1440	.1980	3.980
#4	1.344	3.884	.5360	.2900	.1440	.2000	3.978

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2820	2.595	.9780	.5855	-.0005	5.233	1.316
SDev	.0054	.016	.0023	.0038	.0010	.019	.012
%RSD	1.921	.6082	.2361	.6466	200.0	.3645	.9313

#1	.2780	2.580	.9760	.5860	.0000	5.228	1.308
#2	.2900	2.586	.9760	.5800	.0000	5.212	1.304
#3	.2800	2.596	.9800	.5880	.0000	5.232	1.326
#4	.2800	2.616	.9800	.5880	-.0020	5.258	1.328

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0945	.1370	1.918	.5235	.7630	.1520	.1345
SDev	.0010	.0011	.014	.0055	.0127	.0028	.0030
%RSD	1.058	.8428	.7093	1.052	1.665	1.861	2.230

#1	.0940	.1380	1.918	.5180	.7460	.1480	.1360
#2	.0940	.1360	1.904	.5300	.7620	.1540	.1300
#3	.0940	.1360	1.912	.5200	.7760	.1540	.1360
#4	.0960	.1380	1.936	.5260	.7680	.1520	.1360

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.519	.1385	.6905	.1595
SDev	.014	.0057	.0030	.0019
%RSD	.5558	4.148	.4345	1.201

#1	2.512	.1400	.6880	.1620
#2	2.512	.1420	.6880	.1580
#3	2.512	.1420	.6920	.1600
#4	2.540	.1300	.6940	.1580

Standardization Rpt.

12/14/01 10:12:44 AM

page .

Method: IECW Standard: STD6

Run Time: 12/14/01 10:11:21

Elem	Ag3280
Avge	44.68
SDev	.23
%RSD	.5181

#1	44.99
#2	44.67
#3	44.43
#4	44.62

Standardization Rpt.

12/14/01 10:15:15 AM

page 1

Method: IECW Standard: STD3

Run Time: 12/14/01 10:13:32

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	26.89	243.3	15.30	6.518	13.29	17.35	1.610
SDev	.15	1.5	.06	.018	.12	.09	.021
%RSD	.5433	.6212	.4112	.2767	.9312	.4932	1.281

#1	27.09	245.4	15.39	6.520	13.47	17.47	1.636
#2	26.92	243.5	15.32	6.540	13.27	17.32	1.614
#3	26.75	242.0	15.26	6.516	13.19	17.27	1.588
#4	26.82	242.3	15.25	6.496	13.23	17.34	1.600

Elem	Tl1908
Avge	1.220
SDev	.028
%RSD	2.286

#1	1.192
#2	1.210
#3	1.258
#4	1.218

Method: IECW Standard: STD4

Run Time: 12/14/01 10:15:53

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	6.076	39.19	48.70	1.071	6.697
SDev	.104	.13	.12	.027	.002
%RSD	1.718	.3211	.2435	2.534	.0299
#1	6.148	39.28	48.63	1.040	6.700
#2	6.184	39.04	48.80	1.084	6.696
#3	5.984	39.12	48.57	1.102	6.696
#4	5.990	39.30	48.80	1.060	6.696

Method: IECW Standard: STD5
Run Time: 12/14/01 10:25:48

Elem V_2924
Avge 33.54
SDev .09
%RSD .2570

#1 33.58
#2 33.63
#3 33.52
#4 33.43

Analysis Report

12/14/01 10:30:29 AM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/14/01 10:28:44

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.5057	.9320	.0806	1.010	1.035	.9780	1.064
SDev	.0016	.0077	.0498	.006	.007	.0047	.004
%RSD	.3116	.8252	61.80	.6037	.6504	.4840	.4143
#1	.5059	.9357	.0563	1.010	1.029	.9743	1.068
#2	.5078	.9383	.1532	1.018	1.045	.9849	1.066
#3	.5041	.9331	.0420	1.010	1.033	.9756	1.058
#4	.5050	.9209	.0709	1.003	1.036	.9771	1.062
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	1.052	1.050	1.003	1.019	.9911	.4402	1.042
SDev	.008	.005	.003	.006	.0057	.6391	.012
%RSD	.8027	.4812	.2827	.5745	.5750	145.2	1.185
#1	1.055	1.051	1.000	1.013	.9879	1.372	1.053
#2	1.061	1.057	1.004	1.027	.9996	<.0000	1.032
#3	1.041	1.045	1.000	1.016	.9879	.2676	1.053
#4	1.053	1.049	1.006	1.021	.9892	.1985	1.032
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	1.045	.9206	1.022	1.031	1.062	1.026	.0324
SDev	.003	.0065	.016	.011	.010	.055	.0174
%RSD	.3086	.7029	1.542	1.054	.9482	5.408	53.65
#1	1.044	.9198	1.044	1.022	1.077	1.071	.0538
#2	1.048	.9136	1.022	1.034	1.057	1.029	.0324
#3	1.041	.9198	1.008	1.022	1.057	1.057	.0324
#4	1.048	.9293	1.016	1.045	1.057	.9467	.0111
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avg	1.033	1.058	1.015	1.032			
SDev	.043	.082	.004	.005			
%RSD	4.149	7.778	.3961	.4619			
#1	1.092	1.086	1.015	1.026			
#2	.9914	.9744	1.021	1.038			
#3	1.015	1.011	1.013	1.033			
#4	1.034	1.160	1.013	1.033			

IECW

CONC F:1

SN:ipc

12/14/01 10:34

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5043	1.058	.0457	1.010	.9999	.9988	1.039
SDev	.0006	.011	.0412	.006	.0020	.0025	.002
%RSD	.1295	.9946	90.28	.5713	.1973	.2513	.1610
#1	.5052	1.047	.0046	1.006	.9981	.9959	1.040
#2	.5038	1.067	.0581	1.004	1.000	.9993	1.038
#3	.5043	1.051	.0977	1.016	.9988	.9982	1.041
#4	.5038	1.067	.0223	1.014	1.003	1.002	1.038

Analysis Report

12/14/01 10:59:51 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/14/01 10:56:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0235	<.0000	<.0000	.0038	<.0000
SDev	.0010	.0063	.0168	.0018	.0000	.0014	.0016
%RSD	20.57	43.74	71.47	38.82	.0463	38.03	19.92

#1	<.0000	<.0000	.0163	<.0000	<.0000	.0056	<.0000
#2	<.0000	<.0000	.0057	<.0000	<.0000	.0042	<.0000
#3	<.0000	<.0000	.0270	<.0000	<.0000	.0030	<.0000
#4	<.0000	<.0000	.0450	<.0000	<.0000	.0023	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0132	<.0000	<.0000
SDev	.0010	.0009	.0010	.0007	.0064	.4018	.0107
%RSD	127.9	32.92	21.29	8.508	48.96	22.03	34.23

#1	<.0000	<.0000	<.0000	<.0000	.0222	<.0000	<.0000
#2	.0000	<.0000	<.0000	<.0000	.0125	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0111	<.0000	<.0000
#4	.0000	<.0000	<.0000	<.0000	.0069	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.1321	<.0000	.0070	<.0000	<.0000	.0486
SDev	.0004	.0341	.0197	.0025	.0040	.0135	.0833
%RSD	32.94	25.83	94.05	35.80	28.59	128.3	171.5
#1	<.0000	.1761	<.0000	.0092	<.0000	<.0000	.1725
#2	<.0000	.1409	<.0000	.0055	<.0000	<.0000	.0001
#3	<.0000	.1121	<.0000	.0043	<.0000	<.0000	.0216
#4	<.0000	.0993	<.0000	.0092	<.0000	.0071	.0001

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0138	.0501	.0015	.0012
%RSD	5.388	75.15	46.62	66.38

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

Analysis Report

12/14/01 11:04:57 AM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 12/14/01 11:00:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0247 ✓	.2603 ✓	.2395	.2505	.2466 ✓	.0482 ✓	.0051 NA
SDev	.0009	.0077	.0428	.0024	.0013	.0003	.0017
%RSD	3.538	2.942	17.87	.9378	.5380	.6203	32.76

#1	.0248	.2641	.2331	.2535	.2469	.0484	.0033
#2	.0234	.2521	.2046	.2499	.2482	.0484	.0040
#3	.0253	.2691	.3012	.2509	.2463	.0482	.0069
#4	.0253	.2561	.2189	.2478	.2450	.0478	.0060

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0996 ✓	.1026 ✓	.2444 ✓	.2450 ✓	.2574 ✓	.3088	.0111 NA
SDev	.0022	.0008	.0026	.0009	.0030	.3506	.0121
%RSD	2.222	.7583	1.060	.3701	1.163	113.5	109.7

#1	.0995	.1018	.2474	.2459	.2602	.1335	.0051
#2	.1027	.1021	.2441	.2451	.2588	<.0000	.0081
#3	.0974	.1030	.2449	.2451	.2533	.6010	.0289
#4	.0990	.1035	.2411	.2437	.2574	.6010	.0021

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2497 ✓	.1100 ✓	.0417 NA	.2557 ✓	.2466	.2360	.2410
SDev	.0017	.0066	.0202	.0090	.0158	.0291	.0412
%RSD	.6735	5.982	48.41	3.512	6.402	12.35	17.10

#1	.2505	.1156	.0317	.2542	.2387	.2042	.2733
#2	.2512	.1060	.0353	.2505	.2387	.2183	.1872
#3	.2499	.1156	.0281	.2493	.2703	.2607	.2302
#4	.2473	.1028	.0716	.2688	.2387	.2608	.2733

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.1601	.1712	.0990 ✓	.2492 ✓
SDev	.0103	.0830	.0015	.0029
%RSD	6.467	48.52	1.537	1.175

#1	.1566	.1282	.0998	.2459
#2	.1706	.2810	.0998	.2525
#3	.1659	.1855	.0998	.2505
#4	.1473	.0900	.0967	.2479

Method: IECW Sample Name: 1rb

Operator: it

Run Time: 12/14/01 11:05:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0002	<.0000	.0018	.0004	<.0000	<.0000	<.0000
SDev	.0017	.0104	.0108	.0008	.0004	.0001	.0022
%RSD	737.1	320.6	589.9	220.2	232400.	65.32	187.4
#1	.0003	.0087	<.0000	.0004	.0003	<.0000	.0016
#2	.0022	.0017	.0071	<.0000	.0003	<.0000	<.0000
#3	<.0000	<.0000	.0145	.0004	<.0000	<.0000	<.0000
#4	.0003	<.0000	<.0000	.0014	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	<.0000	<.0000	.0017	<.0000	.0082
SDev	.0009	.0021	.0010	.0010	.0017	.3743	.0077
%RSD	136.7	703.3	248.9	188.5	100.7	2242.	93.86
#1	.0008	.0001	<.0000	.0002	.0014	.2337	.0111
#2	.0003	.0025	.0010	.0002	.0041	.3673	.0171
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0052
#4	.0018	<.0000	<.0000	<.0000	.0014	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	.0049	.0158	<.0000	<.0000
SDev	.0003	.0032	.0165	.0037	.0040	.0082	.1179
%RSD	99.74	23.55	191.7	75.03	24.98	57.76	2193.
#1	<.0000	<.0000	<.0000	.0030	.0217	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0079	.0138	<.0000	.1453
#3	<.0000	<.0000	.0064	.0006	.0138	<.0000	.0162
#4	<.0000	<.0000	<.0000	.0079	.0138	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0177	.1040	.0009	.0003
%RSD	126.0	198.0	120700.	49.89
#1	.0117	.0907	<.0000	<.0000
#2	<.0000	<.0000	.0012	<.0000
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

Analysis Report

12/14/01 11:18:19 AM

page 1

Method: IECW Sample Name: 27951

Operator: it

Run Time: 12/14/01 11:16:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0027	.0209	.0221	.0043	.0139	<.0000	5.913
SDev	.0013	.0071	.0136	.0025	.0006	.0001	.047
%RSD	49.55	33.89	61.46	59.47	4.376	76.98	.8008

#1	.0030	.0249	.0310	.0021	.0144	<.0000	5.969
#2	.0044	.0269	.0239	.0021	.0144	<.0000	5.911
#3	.0016	.0209	.0024	.0062	.0131	<.0000	5.917
#4	.0016	.0110	.0312	.0067	.0138	<.0000	5.853

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0015	.0020	.0015	.0013	.0264	1.444	1.286
SDev	.0007	.0010	.0008	.0011	.0013	.258	.012
%RSD	44.80	51.55	50.23	83.41	5.019	17.85	.9500

#1	.0023	.0018	.0011	.0008	.0254	1.436	1.297
#2	.0018	.0018	.0024	.0029	.0254	1.803	1.282
#3	.0013	.0010	.0007	.0008	.0282	1.335	1.294
#4	.0007	.0034	.0020	.0008	.0268	1.202	1.270

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0252	<.0000	7.491	.0058	.0197	<.0000	.0154
SDev	.0006	.0016	.107	.0045	.0068	.0200	.0465
%RSD	2.431	7.120	1.427	78.10	34.65	272.2	301.3

#1	.0259	<.0000	7.579	.0052	.0296	<.0000	.0369
#2	.0247	<.0000	7.399	.0064	.0178	.0209	.0154
#3	.0253	<.0000	7.588	.0003	.0178	<.0000	<.0000
#4	.0247	<.0000	7.397	.0113	.0138	<.0000	.0585

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8917	.0217	.0031	<.0000
SDev	.0384	.0398	.0006	.0003
%RSD	4.309	183.5	18.62	364.9

#1	.9116	<.0000	.0024	<.0000
#2	.9350	.0312	.0036	.0001
#3	.8695	.0121	.0030	.0001
#4	.8509	.0695	.0036	.0001

Analysis Report

12/14/01 11:21:12 AM

page 1

Method: IECW Sample Name: 27951lab dup Operator: it
 Run Time: 12/14/01 11:19:28
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0020 ²⁷	.0187 ²⁰⁹	.0150 ¹⁰	.0035	.0137 ¹³⁷	<.0000	5.881 ^{5.913}
SDev	.0014	.0064	.0469	.0011	.0000	.0000	.013
%RSD	72.05	34.41	313.1	30.33	.0122	.0000	.2230
#1	.0012	.0160	<.0000	.0026	.0137	<.0000	5.872
#2	.0007	.0249	<.0000	.0041	.0138	<.0000	5.867
#3	.0021	.0110	.0599	.0026	.0137	<.0000	5.891
#4	.0039	.0229	.0490	.0046	.0137	<.0000	5.893

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009 ¹⁵	.0012 ²⁰	.0016 ¹⁵	.0011 ¹³	.0244 ²⁶⁴	1.519	1.276 ^{1.286}
SDev	.0009	.0018	.0013	.0007	.0007	.219	.016
%RSD	104.7	148.4	81.30	64.50	2.841	14.41	1.247
#1	<.0000	<.0000	.0028	.0008	.0240	1.469	1.276
#2	.0007	.0028	.0003	.0008	.0240	1.436	1.258
#3	.0018	.0007	.0007	.0008	.0254	1.335	1.273
#4	.0013	.0025	.0028	.0022	.0240	1.836	1.297

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sn2068	Se1960
Avge	.0253 ²⁵²	<.0000	7.424 ^{7.491}	.0076 ⁵⁸	.0030	<.0000	.0316
SDev	.0007	.0026	.046	.0049	.0138	.0356	.0509
%RSD	2.917	12.05	.6217	64.13	468.1	247.0	161.0
#1	.0247	<.0000	7.443	.0052	<.0000	<.0000	<.0000
#2	.0260	<.0000	7.363	.0052	<.0000	.0209	.1016
#3	.0247	<.0000	7.472	.0149	.0099	<.0000	.0370
#4	.0259	<.0000	7.419	.0052	.0178	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8473	<.0000	.0021	<.0000
SDev	.0168	.0349	.0008	.0006
%RSD	1.981	133.9	37.98	703.7
#1	.8696	<.0000	.0012	<.0000
#2	.8322	<.0000	.0024	<.0000
#3	.8368	.0122	.0018	.0001
#4	.8508	<.0000	.0030	.0007

Analysis Report

12/14/01 11:37:33 AM

page 1

Method: IECW Sample Name: 27951spk

Operator: it

Run Time: 12/14/01 11:33:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0253	.2811	.2701	.2600	.2604	.0487	5.822
SDev	.0015	.0066	.0641	.0033	.0015	.0003	.019
%RSD	6.031	2.360	23.73	1.281	.5821	.5078	.3231
#1	.0268	.2729	.2380	.2569	.2588	.0484	5.799
#2	.0245	.2828	.3489	.2646	.2613	.0488	5.823
#3	.0263	.2888	.2915	.2584	.2594	.0487	5.820
#4	.0236	.2798	.2021	.2600	.2620	.0490	5.845
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1023	.1035	.2492	.2466	.2860	.8707	1.246
SDev	.0033	.0012	.0032	.0012	.0038	.2932	.015
%RSD	3.217	1.119	1.268	.4988	1.333	33.68	1.239
#1	.1004	.1031	.2472	.2450	.2842	1.105	1.235
#2	.0993	.1053	.2480	.2479	.2884	1.072	1.235
#3	.1067	.1031	.2476	.2464	.2814	.8372	1.268
#4	.1030	.1027	.2539	.2471	.2898	.4688	1.247
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2744	.0978	7.373	.2564	.2624	.2425	1930
SDev	.0022	.0071	.030	.0084	.0318	.0406	.0250
%RSD	.7844	7.228	.4114	3.259	12.10	16.73	12.97
#1	.2712	.0954	7.336	.2549	.2269	.2178	.2147
#2	.2751	.0922	7.394	.2683	.2506	.3025	.2147
#3	.2757	.1081	7.401	.2488	.3019	.2319	.1713
#4	.2757	.0954	7.361	.2537	.2703	.2178	.1714
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.047	.2311	.0990	.2521			
SDev	.017	.0633	.0015	.0014			
%RSD	1.586	27.40	1.507	.5444			
#1	1.035	.2216	.1002	.2506			
#2	1.044	.2216	.0971	.2533			
#3	1.071	.1643	.1002	.2533			
#4	1.039	.3171	.0983	.2513			

Analysis Report

12/14/01 11:37:33 AM

page 1

Method: IECW Sample Name: 27951spk

Run Time: 12/14/01 11:33:19

Comment:

Mode: CONC Corr. Factor: 1

*Why not
same*

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0253	.2811	.2701	.2600	.2604	.0487	5.822
SDev	.0015	.0066	.0641	.0033	.0015	.0003	.019
%RSD	6.031	2.360	23.73	1.281	.5821	.5078	.3231

#1	.0268	.2729	.2380	.2569	.2588	.0484	5.799
#2	.0245	.2828	.3489	.2646	.2613	.0488	5.823
#3	.0263	.2888	.2915	.2584	.2594	.0487	5.820
#4	.0236	.2798	.2021	.2600	.2620	.0490	5.845

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1023	.1035	.2492	.2466	.2860	.8707	1.246
SDev	.0033	.0012	.0032	.0012	.0038	.2932	.015
%RSD	3.217	1.119	1.268	.4988	1.333	33.68	1.239

#1	.1004	.1031	.2472	.2450	.2842	1.105	1.235
#2	.0993	.1053	.2480	.2479	.2884	1.072	1.235
#3	.1067	.1031	.2476	.2464	.2814	.8372	1.268
#4	.1030	.1027	.2539	.2471	.2898	.4688	1.247

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2744	.0978	7.373	.2564	.2624	.2425	.1930
SDev	.0022	.0071	.030	.0084	.0318	.0406	.0250
%RSD	.7844	7.228	.4114	3.259	12.10	16.73	12.97

#1	.2712	.0954	7.336	.2549	.2269	.2178	.2147
#2	.2751	.0922	7.394	.2683	.2506	.3025	.2147
#3	.2757	.1081	7.401	.2488	.3019	.2319	.1713
#4	.2757	.0954	7.361	.2537	.2703	.2178	.1714

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.047	.2311	.0990	.2521
SDev	.017	.0633	.0015	.0014
%RSD	1.586	27.40	1.507	.5444

#1	1.035	.2216	.1002	.2506
#2	1.044	.2216	.0971	.2533
#3	1.071	.1643	.1002	.2533
#4	1.039	.3171	.0983	.2513

Analysis Report

12/14/01 12:25:48 PM

page 1

Method: IECW Sample Name: 27952

Operator: it

Run Time: 12/14/01 12:24:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0006	.0185	<.0000	.0021	.0133	<.0000	5.788
SDev	.0015	.0076	.0346	.0008	.0003	.0000	.018
%RSD	254.3	41.24	159.4	36.97	2.388	100.00	.3139

#1	<.0000	.0137	<.0000	.0027	.0134	<.0000	5.781
#2	.0005	.0117	<.0000	.0012	.0128	<.0000	5.769
#3	.0028	.0287	.0193	.0017	.0134	<.0000	5.790
#4	<.0000	.0197	<.0000	.0027	.0134	<.0000	5.812

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0015	.0006	.0254	.6865	1.235
SDev	.0017	.0016	.0009	.0007	.0020	.3560	.008
%RSD	2859.	294.0	60.12	119.3	7.701	51.85	.6341

#1	<.0000	.0002	.0004	.0000	.0227	.2679	1.241
#2	.0001	.0002	.0017	.0008	.0268	.8707	1.226
#3	.0011	.0004	.0025	.0015	.0254	1.072	1.229
#4	.0011	<.0000	.0012	.0000	.0268	.5358	1.241

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0244	<.0000	6.681	.0030	.0059	.0068	<.0000
SDev	.0005	.0031	.044	.0063	.0170	.0346	.1204
%RSD	2.146	53.74	.6580	208.1	288.4	508.1	147.1

#1	.0244	<.0000	6.645	.0061	<.0000	.0068	.0427
#2	.0244	<.0000	6.687	.0012	<.0000	<.0000	<.0000
#3	.0250	<.0000	6.652	.0098	.0296	.0068	<.0000
#4	.0237	<.0000	6.741	<.0000	.0059	.0492	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5589	<.0000	.0002	<.0000
SDev	.0335	.0326	.0009	.0009
%RSD	5.987	153.8	374.6	968.3

#1	.5393	.0122	<.0000	<.0000
#2	.5485	<.0000	.0010	.0002
#3	.6087	<.0000	.0010	<.0000
#4	.5393	<.0000	<.0000	.0009

Analysis Report

12/14/01 12:30:09 PM

page 1

Method: IECW Sample Name: 27953

Operator: it

Run Time: 12/14/01 12:28:24

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0007	.0221	.0865	.0134	.0294	<.0000	23.86
SDev	.0011	.0121	.0411	.0010	.0000	.0000	.12
%RSD	172.1	54.70	47.46	7.860	.0420	26e6	.4921

#1	<.0000	.0231	.0256	.0125	.0294	<.0000	23.88
#2	.0020	.0380	.1006	.0146	.0294	.0001	24.00
#3	<.0000	.0091	.1046	.0141	.0294	<.0000	23.83
#4	.0011	.0181	.1153	.0125	.0294	<.0000	23.72

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	<.0000	.0033	.0347	.1142	1.909	7.913
SDev	.0013	.0010	.0007	.0004	.0007	.119	.035
%RSD	118.2	50.53	22.39	1.032	.5915	6.244	.4396

#1	.0008	<.0000	.0027	.0349	.1146	1.775	7.922
#2	.0029	<.0000	.0027	.0349	.1146	2.009	7.955
#3	.0003	<.0000	.0039	.0349	.1146	2.009	7.904
#4	.0003	<.0000	.0040	.0342	.1132	1.842	7.871

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1214	<.0000	27.02	.0127	.0118	.0057	.0069
SDev	.0008	.0016	.08	.0053	.0040	.0283	.0415
%RSD	.6784	20.61	.3128	41.93	33.39	494.1	602.6

#1	.1217	<.0000	27.14	.0117	.0059	<.0000	.0610
#2	.1224	<.0000	26.97	.0081	.0138	<.0000	<.0000
#3	.1204	<.0000	26.97	.0203	.0138	.0481	.0178
#4	.1211	<.0000	26.98	.0105	.0138	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.529	.1017	.0001	.0026
SDev	.014	.0770	.0011	.0000
%RSD	.9066	75.75	1427.	.1047

#1	1.513	.0587	<.0000	.0026
#2	1.541	.0395	.0013	.0026
#3	1.541	.2115	<.0000	.0026
#4	1.522	.0970	.0007	.0026

Analysis Report

12/14/01 12:33:39 PM

page 1

Method: IECW Sample Name: 27954

Operator: it

Run Time: 12/14/01 12:31:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0008	.0210	<.0000	.0008	.0152	<.0000	7.210
SDev	.0014	.0066	.0388	.0015	.0000	.0000	.034
%RSD	170.7	31.38	1640.	183.2	.0190	.0000	.4720

#1	<.0000	.0215	.0084	.0026	.0152	<.0000	7.233
#2	.0005	.0195	.0191	<.0000	.0152	<.0000	7.245
#3	.0005	.0135	.0228	.0006	.0152	<.0000	7.173
#4	.0028	.0295	<.0000	.0011	.0152	<.0000	7.190

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0018	.0085	.0404	.6781	1.679
SDev	.0012	.0013	.0011	.0007	.0016	.3098	.014
%RSD	1409.	90.91	61.76	8.152	3.957	45.68	.8064

#1	<.0000	<.0000	.0023	.0079	.0418	.4688	1.661
#2	<.0000	<.0000	.0002	.0079	.0390	.5693	1.679
#3	.0016	.0002	.0023	.0086	.0390	.5358	1.682
#4	<.0000	<.0000	.0027	.0094	.0418	1.139	1.694

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0365	<.0000	8.514	.0054	<.0000	.0244	<.0000
SDev	.0000	.0016	.033	.0063	.0134	.0135	.0280
%RSD	.0019	17.96	.3931	117.9	452.0	55.44	28.44

#1	.0365	<.0000	8.543	<.0000	<.0000	.0067	<.0000
#2	.0365	<.0000	8.539	.0060	<.0000	.0350	<.0000
#3	.0365	<.0000	8.503	.0096	.0138	.0209	<.0000
#4	.0365	<.0000	8.472	.0096	.0020	.0349	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6553	<.0000	<.0000	.0025
SDev	.0122	.0631	.0011	.0007
%RSD	1.855	104.9	1379.	26.12

#1	.6449	.0115	<.0000	.0029
#2	.6680	<.0000	<.0000	.0016
#3	.6449	<.0000	<.0000	.0029
#4	.6634	<.0000	.0016	.0029

Analysis Report

12/14/01 12:39:30 PM

page 1

Method: IECW Sample Name: 27955
 Run Time: 12/14/01 12:37:46
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0006	.0222	.0212	.0027	.0133	<.0000	5.909
SDev	.0016	.0125	.0120	.0007	.0003	.0000	.037
%RSD	270.2	56.20	56.42	26.75	2.373	100.00	.6181

#1	.0023	.0307	.0301	.0037	.0134	<.0000	5.916
#2	<.0000	.0047	.0304	.0027	.0128	<.0000	5.857
#3	.0014	.0217	.0194	.0022	.0134	<.0000	5.919
#4	.0000	.0316	.0050	.0022	.0134	<.0000	5.943

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0007	.0005	.0056	.0303	.3516	1.226
SDev	.0013	.0004	.0021	.0009	.0018	.2127	.012
%RSD	649.4	59.13	407.7	16.12	5.920	60.48	1.010

#1	<.0000	.0008	.0021	.0058	.0296	.6362	1.229
#2	<.0000	.0005	<.0000	.0044	.0310	.1339	1.212
#3	.0022	.0002	.0008	.0058	.0323	.3683	1.223
#4	<.0000	.0011	.0017	.0065	.0282	.2679	1.241

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0284	<.0000	7.763	.0107	.0118	<.0000	<.0000
SDev	.0006	.0016	.020	.0050	.0166	.0182	.0207
%RSD	2.162	17.94	.2543	47.00	140.2	6837.	53.64

#1	.0276	<.0000	7.749	.0171	.0296	.0209	<.0000
#2	.0288	<.0000	7.754	.0049	.0020	<.0000	<.0000
#3	.0288	<.0000	7.758	.0110	<.0000	.0068	<.0000
#4	.0282	<.0000	7.792	.0098	.0217	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5763	.0122	.0002	.0011
SDev	.0259	.0825	.0006	.0006
%RSD	4.495	675.4	239.6	59.37

#1	.6133	.1268	.0010	.0016
#2	.5717	<.0000	<.0000	.0016
#3	.5532	.0122	<.0000	.0002
#4	.5670	<.0000	.0004	.0009

Analysis Report

12/14/01 12:44:49 PM

page 1

Method: IECW Sample Name: 27956
 Run Time: 12/14/01 12:43:04
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0004	.0177	.0356	.0043	.0133	<.0000	5.823
SDev	.0019	.0091	.0475	.0013	.0003	.0001	.026
%RSD	505.0	51.41	133.4	29.56	2.390	326.6	.4512

#1	.0014	.0247	.0803	.0027	.0134	<.0000	5.850
#2	.0023	.0257	.0552	.0053	.0134	.0001	5.839
#3	<.0000	.0137	<.0000	.0038	.0134	<.0000	5.792
#4	<.0000	.0067	.0375	.0053	.0128	<.0000	5.812

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0090	.0289	.2511	1.218
SDev	.0025	.0017	.0009	.0013	.0024	.3442	.015
%RSD	1278.	168.8	778.8	13.79	8.314	137.1	1.203

#1	.0032	.0005	<.0000	.0094	.0296	.3014	1.220
#2	<.0000	<.0000	.0008	.0101	.0254	.6697	1.235
#3	<.0000	<.0000	.0004	.0094	.0310	.2009	1.217
#4	<.0000	<.0000	<.0000	.0072	.0296	<.0000	1.200

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0271	<.0000	6.963	.0082	<.0000	<.0000	<.0000
SDev	.0003	.0066	.031	.0048	.0050	.0291	.0875
%RSD	1.179	82.29	.4438	58.45	45.70	116.7	159.6

#1	.0269	<.0000	6.959	.0122	<.0000	<.0000	<.0000
#2	.0276	<.0000	6.930	.0098	<.0000	<.0000	.0643
#3	.0269	<.0000	6.958	.0098	<.0000	<.0000	<.0000
#4	.0269	<.0000	7.005	.0012	<.0000	.0068	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5648	<.0000	<.0000	.0031
SDev	.0509	.0714	.0014	.0003
%RSD	9.011	1042.	201.6	10.86

#1	.5902	<.0000	.0004	.0029
#2	.5902	<.0000	<.0000	.0029
#3	.5902	.0886	<.0000	.0029
#4	.4884	<.0000	<.0000	.0036

Analysis Report

12/14/01 12:47:43 PM page 1

Method: IECW Sample Name: 27957

Operator: it

Run Time: 12/14/01 12:45:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0052	.0259	.0026	.0139	<.0000	6.378
SDev	.0012	.0103	.0620	.0023	.0003	.0000	.024
%RSD	561.5	199.6	239.2	89.08	2.291	100.00	.3702

#1	<.0000	<.0000	.0377	<.0000	.0134	<.0000	6.375
#2	<.0000	<.0000	<.0000	.0027	.0140	<.0000	6.381
#3	.0009	.0196	.1090	.0053	.0140	<.0000	6.406
#4	.0005	.0057	<.0000	.0027	.0140	<.0000	6.348

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0006	.0135	.0261	.2511	1.185
SDev	.0015	.0021	.0014	.0012	.0008	.4327	.024
%RSD	178.3	103.4	229.8	9.086	3.056	172.3	2.064

#1	<.0000	.0004	.0008	.0123	.0268	<.0000	1.158
#2	.0001	<.0000	<.0000	.0130	.0254	<.0000	1.185
#3	.0001	<.0000	.0025	.0152	.0268	.5358	1.217
#4	<.0000	<.0000	<.0000	.0137	.0254	.7032	1.182

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0109	<.0000	7.237	.0064	<.0000	<.0000	.0806
SDev	.0005	.0016	.049	.0036	.0081	.0291	.0622
%RSD	4.781	22.07	.6750	56.76	117.8	778.1	77.17

#1	.0109	<.0000	7.252	.0025	<.0000	<.0000	.0427
#2	.0116	<.0000	7.286	.0049	.0020	<.0000	.0427
#3	.0109	<.0000	7.241	.0073	<.0000	<.0000	.0643
#4	.0103	<.0000	7.170	.0110	<.0000	.0351	.1726

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5255	.0266	<.0000	.0011
SDev	.0075	.0286	.0003	.0013
%RSD	1.435	107.5	23.77	117.4

#1	.5163	.0123	<.0000	.0002
#2	.5255	.0123	<.0000	.0009
#3	.5254	.0695	<.0000	.0029
#4	.5347	.0123	<.0000	.0002

Analysis Report

12/14/01 12:51:07 PM

page 1

Method: IECW Sample Name: 28308
 Run Time: 12/14/01 12:49:22
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0207	.0015	.0142	<.0000	5.743
SDev	.0028	.0112	.0131	.0014	.0003	.0001	.049
%RSD	98.92	131.7	63.39	93.63	2.258	76.98	.8576

#1	<.0000	<.0000	.0377	.0022	.0141	<.0000	5.772
#2	<.0000	<.0000	.0199	.0012	.0141	<.0000	5.796
#3	<.0000	<.0000	.0056	<.0000	.0141	<.0000	5.715
#4	.0005	.0048	.0196	.0027	.0147	<.0000	5.689

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0202	<.0000	1.241
SDev	.0020	.0023	.0015	.0021	.0024	.5067	.006
%RSD	233.6	70.98	241.7	106.6	11.68	85.24	.4951

#1	<.0000	<.0000	<.0000	<.0000	.0227	<.0000	1.241
#2	<.0000	<.0000	<.0000	<.0000	.0171	<.0000	1.232
#3	<.0000	<.0000	<.0000	<.0000	.0213	<.0000	1.241
#4	.0011	<.0000	.0012	.0008	.0199	.0335	1.247

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0247	<.0000	4.155	.0037	<.0000	<.0000	<.0000
SDev	.0006	.0018	.061	.0057	.0146	.0141	.0325
%RSD	2.591	22.86	1.474	156.6	184.8	98.62	54.01

#1	.0256	<.0000	4.192	.0012	<.0000	<.0000	<.0000
#2	.0244	<.0000	4.223	.0110	<.0000	<.0000	<.0000
#3	.0244	<.0000	4.108	.0049	<.0000	<.0000	<.0000
#4	.0244	<.0000	4.099	<.0000	.0020	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2072	<.0000	<.0000	.0009
SDev	.0190	.0183	.0010	.0014
%RSD	9.188	36.67	37.13	157.6

#1	.2245	<.0000	<.0000	.0009
#2	.2014	<.0000	<.0000	<.0000
#3	.1829	<.0000	<.0000	.0029
#4	.2199	<.0000	<.0000	.0002

Method: IECW Sample Name: 28309

Operator: it

Run Time: 12/14/01 12:53:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0058	.0268	.0053	.0134	<.0000	5.701
SDev	.0009	.0080	.0280	.0013	.0000	.0001	.027
%RSD	172.1	139.3	104.3	23.75	.0212	76.98	.4718

#1	<.0000	.0137	.0303	.0053	.0134	<.0000	5.740
#2	.0005	.0087	<.0000	.0053	.0135	<.0000	5.682
#3	<.0000	.0058	.0268	.0038	.0135	<.0000	5.683
#4	<.0000	<.0000	.0592	.0069	.0134	<.0000	5.698

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	<.0000	.0006	.0189	.0084	1.224
SDev	.0010	.0012	.0011	.0011	.0035	.0321	.010
%RSD	160.8	43.92	80.76	186.0	18.34	383.1	.7783

#1	.0011	<.0000	<.0000	.0015	.0227	<.0000	1.232
#2	.0017	<.0000	<.0000	.0015	.0185	.0335	1.215
#3	.0001	<.0000	<.0000	<.0000	.0199	<.0000	1.217
#4	<.0000	<.0000	<.0000	.0000	.0144	.0335	1.232

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0210	<.0000	4.100	.0088	<.0000	<.0000	<.0000
SDev	.0003	.0040	.021	.0036	.0187	.0082	.0810
%RSD	1.523	70.78	.5225	41.21	429800.	3811.	184.5

#1	.0212	<.0000	4.125	.0098	.0138	<.0000	<.0000
#2	.0212	<.0000	4.085	.0098	<.0000	<.0000	<.0000
#3	.0212	<.0000	4.079	.0122	<.0000	.0068	.0644
#4	.0205	<.0000	4.110	.0037	.0138	.0069	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1817	<.0000	<.0000	.0006
SDev	.0190	.0604	.0006	.0004
%RSD	10.47	72.58	26.62	66.44

#1	.2060	<.0000	<.0000	.0002
#2	.1875	<.0000	<.0000	.0009
#3	.1690	<.0000	<.0000	.0002
#4	.1644	<.0000	<.0000	.0009

Analysis Report

12/14/01 12:57:58 PM

page 1

Method: IECW Sample Name: 28310
 Run Time: 12/14/01 12:56:13
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0027	.0394	.0124	.0275	<.0000	23.62
SDev	.0011	.0105	.0200	.0026	.0005	.0000	.15
%RSD	305.2	388.1	50.77	20.62	1.849	100.00	.6282
#1	<.0000	.0022	.0547	.0121	.0269	<.0000	23.40
#2	<.0000	<.0000	.0188	.0146	.0275	<.0000	23.69
#3	<.0000	<.0000	.0583	.0090	.0275	<.0000	23.71
#4	.0011	.0172	.0258	.0141	.0281	<.0000	23.69
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0000	<.0000	.0027	<.0000	.0717	1.490	7.897
SDev	.0025	.0014	.0014	.0015	.0016	.411	.054
%RSD	33600.	67.72	52.52	153.5	2.254	27.55	.6780
#1	<.0000	<.0000	.0032	.0003	.0731	1.775	7.818
#2	.0029	<.0000	.0023	<.0000	.0703	1.105	7.919
#3	<.0000	<.0000	.0010	<.0000	.0703	1.172	7.937
#4	.0013	<.0000	.0044	.0003	.0731	1.909	7.913
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0637	<.0000	26.67	.0130	<.0000	<.0000	<.0000
SDev	.0010	.0064	.24	.0045	.0274	.0182	.1151
%RSD	1.503	172.1	.9034	34.41	923.2	1443.	219.1
#1	.0629	.0059	26.39	.0179	<.0000	<.0000	<.0000
#2	.0642	<.0000	26.94	.0081	<.0000	<.0000	<.0000
#3	.0648	<.0000	26.77	.0154	.0217	.0199	.0828
#4	.0629	<.0000	26.57	.0105	.0099	.0058	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	1.045	.0445	<.0000	.0001			
SDev	.030	.0770	.0009	.0015			
%RSD	2.825	173.1	76.16	1792.			
#1	1.046	.1353	<.0000	.0006			
#2	1.022	<.0000	<.0000	<.0000			
#3	1.027	.0779	<.0000	.0012			
#4	1.087	.0015	.0001	.0006			

Analysis Report

12/14/01 01:07:03 PM

page 1

Method: IECW Sample Name: ipc
 Run Time: 12/14/01 13:05:14
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4964	.9488	.0811	.9865	.9743	.9846	1.017
SDev	.0018	.0055	.0597	.0056	.0049	.0024	.003
%RSD	.3590	.5837	73.62	.5672	.5068	.2453	.3435
#1	.4988	.9418	.0284	.9944	.9813	.9877	1.014
#2	.4956	.9499	.0498	.9831	.9737	.9847	1.015
#3	.4947	.9481	.1644	.9862	.9724	.9840	1.022
#4	.4965	.9553	.0819	.9821	.9698	.9819	1.016
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.007	.9947	.9780	.9600	.9971	.9460	.9872
SDev	.005	.0025	.0025	.0043	.0039	.3397	.0198
%RSD	.4773	.2557	.2544	.4477	.3905	35.91	2.008
#1	1.003	.9960	.9815	.9663	.9978	.4688	.9589
#2	1.010	.9956	.9761	.9569	1.002	1.272	.9976
#3	1.012	.9962	.9765	.9576	.9964	1.038	1.004
#4	1.003	.9909	.9777	.9591	.9924	1.005	.9886
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9884	1.022	1.066	1.038	1.009	1.040	.0221
SDev	.0040	.012	.028	.008	.013	.022	.0542
%RSD	.4072	1.176	2.642	.8082	1.292	2.069	244.8
#1	.9915	1.017	1.047	1.043	1.016	1.051	.0817
#2	.9863	1.034	1.101	1.044	.9964	1.065	.0383
#3	.9921	1.008	1.040	1.026	1.000	1.022	.0167
#4	.9838	1.030	1.076	1.038	1.024	1.022	<.0000
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	.6450	1.066	.9836	.9824			
SDev	.0382	.105	.0021	.0041			
%RSD	5.923	9.879	.2114	.4215			
#1	.5953	1.062	.9858	.9857			
#2	.6647	1.061	.9833	.9831			
#3	.6832	1.200	.9845	.9844			
#4	.6369	.9425	.9809	.9764			

Analysis Report

12/14/01 12:57:59 PM

page 1

Analysis Report

12/14/01 01:13:40 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/14/01 13:11:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0024	.0116	<.0000	<.0000	.0000	.0001	<.0000
SDev	.0014	.0078	.0354	.0009	.0000	.0000	.0011
%RSD	56.07	67.19	157.0	60.82	344.9	.0000	97.48

#1	.0038	.0166	<.0000	<.0000	<.0000	.0001	.0004
#2	.0033	.0121	.0097	<.0000	<.0000	.0001	<.0000
#3	.0010	.0005	<.0000	<.0000	.0000	.0001	<.0000
#4	.0015	.0175	<.0000	<.0000	.0000	.0001	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0009	<.0000	.0011	.0020	<.0000	.4186	<.0000
SDev	.0022	.0011	.0015	.0004	.0019	.1761	.0149
%RSD	235.4	188.8	139.4	20.98	141.5	42.08	166.3

#1	.0033	<.0000	.0032	.0023	<.0000	.5693	<.0000
#2	.0022	.0005	.0003	.0023	.0013	.5693	.0067
#3	<.0000	.0002	.0003	.0016	<.0000	.2344	<.0000
#4	<.0000	<.0000	.0003	.0016	<.0000	.3014	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	<.0000	.0106	.0235	.0101	.0138	<.0000	<.0000
SDev	.0004	.0049	.0139	.0042	.0185	.0083	.0729
%RSD	231.2	46.16	59.38	41.95	134.0	26590.	168.3

#1	.0002	.0130	.0068	.0138	.0059	<.0000	<.0000
#2	.0002	.0163	.0176	.0138	<.0000	.0071	<.0000
#3	<.0000	.0065	.0320	.0064	.0178	.0072	.0433
#4	<.0000	.0065	.0374	.0064	.0375	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	<.0000	<.0000	.0009	.0007
SDev	.0285	.0469	.0008	.0017
%RSD	7.252	236.4	83.90	251.8

#1	<.0000	.0149	.0011	.0030
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0149	.0011	.0003
#4	<.0000	<.0000	.0017	.0003

Analysis Report

12/14/01 01:24:43 PM

page 1

Method: IECW Sample Name: 28322lab dup

Operator: it

Run Time: 12/14/01 13:22:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0090	.0024	.0136	<.0000	5.703
SDev	.0022	.0096	.0466	.0011	.0003	.0000	.031
%RSD	92.11	301.6	517.0	44.97	2.335	50.00	.5351

#1	<.0000	<.0000	.0376	.0038	.0135	<.0000	5.700
#2	.0000	.0087	.0411	.0022	.0141	<.0000	5.713
#3	<.0000	<.0000	.0163	.0012	.0134	<.0000	5.736
#4	<.0000	<.0000	<.0000	.0022	.0135	<.0000	5.663

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0238	<.0000	1.211
SDev	.0013	.0013	.0014	.0015	.0017	.5968	.008
%RSD	100.7	65.08	189.2	1065.	7.142	132.0	.6469

#1	<.0000	<.0000	.0008	.0000	.0261	<.0000	1.212
#2	<.0000	<.0000	<.0000	.0015	.0234	.0670	1.215
#3	<.0000	<.0000	<.0000	<.0000	.0234	<.0000	1.200
#4	<.0000	<.0000	<.0000	.0000	.0221	<.0000	1.217

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0237	<.0000	4.056	.0089	<.0000	<.0000	<.0000
SDev	.0005	.0031	.024	.0048	.0172	.0510	.0647
%RSD	2.204	75.07	.5933	54.41	87.17	693.2	107.5

#1	.0237	<.0000	4.035	.0073	.0020	<.0000	.0211
#2	.0231	<.0000	4.047	.0073	<.0000	.0643	<.0000
#3	.0244	<.0000	4.091	.0049	<.0000	<.0000	<.0000
#4	.0237	<.0000	4.053	.0159	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1274	<.0000	<.0000	.0002
SDev	.0327	.0546	.0013	.0005
%RSD	25.69	88.76	64.53	219.8

#1	.1366	<.0000	<.0000	<.0000
#2	.1690	<.0000	<.0000	.0009
#3	.0950	<.0000	<.0000	.0002
#4	.1088	<.0000	<.0000	.0002

Where
is orig?

Method: IECW Sample Name: 28322spk Operator: it
Run Time: 12/14/01 13:32:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0208	.2206	.2504	.2486	.2552	.0476	5.620 NA
SDev	.0015	.0097	.0362	.0028	.0017	.0003	.027
%RSD	7.250	4.391	14.46	1.140	.6560	.7175	.4866

#1	.0226	.2342	.2385	.2466	.2544	.0474	5.602
#2	.0208	.2163	.2209	.2523	.2537	.0473	5.594
#3	.0189	.2118	.2388	.2461	.2575	.0481	5.653
#4	.0208	.2199	.3032	.2492	.2550	.0477	5.633

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0981	.0963	.2384	.2363	.2669	<.0000	1.215 NA
SDev	.0027	.0018	.0018	.0018	.0039	.2873	.020
%RSD	2.720	1.897	.7704	.7464	1.457	39.44	1.617

#1	.1004	.0983	.2376	.2349	.2662	<.0000	1.214
#2	.0951	.0968	.2363	.2349	.2622	<.0000	1.194
#3	.0967	.0939	.2405	.2385	.2716	<.0000	1.211
#4	.1004	.0963	.2392	.2371	.2676	<.0000	1.241

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2663	.0933	4.019	.2586	.2299	.2357	.2203
SDev	.0012	.0041	.022	.0025	.0081	.0203	.0447
%RSD	.4546	4.385	.5373	.9756	3.542	8.596	20.28

#1	.2661	.0941	4.022	.2570	.2229	.2644	.1715
#2	.2655	.0876	3.990	.2607	.2387	.2214	.2799
#3	.2680	.0941	4.020	.2558	.2348	.2357	.2149
#4	.2655	.0973	4.042	.2607	.2230	.2214	.2149

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2662	.2204	.0938	.2436
SDev	.0076	.0937	.0010	.0007
%RSD	2.848	42.51	1.124	.2733
#1	.2662	.1510	.0935	.2433
#2	.2663	.1510	.0935	.2433
#3	.2755	.3492	.0953	.2446
#4	.2569	.2302	.0929	.2433

Prob ok

Analysis Report

12/14/01 01:37:20 PM

page 1

Method: IECW Sample Name: 28323

Operator: it

Run Time: 12/14/01 13:35:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0029	.0139	<.0000	5.707
SDev	.0024	.0117	.0279	.0017	.0003	.0000	.036
%RSD	83.71	215.2	1077.	59.25	2.293	100.00	.6327

#1	<.0000	.0006	<.0000	.0017	.0141	<.0000	5.695
#2	<.0000	<.0000	<.0000	.0017	.0141	<.0000	5.744
#3	<.0000	<.0000	<.0000	.0027	.0134	<.0000	5.729
#4	<.0000	.0060	.0376	.0053	.0141	<.0000	5.663

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0004	.0231	<.0000	1.208
SDev	.0013	.0021	.0018	.0017	.0007	.7027	.011
%RSD	184.7	65.75	120.2	427.9	2.941	89.29	.9083

#1	.0011	<.0000	<.0000	.0015	.0234	<.0000	1.209
#2	<.0000	<.0000	<.0000	.0008	.0221	<.0000	1.220
#3	<.0000	<.0000	<.0000	<.0000	.0234	<.0000	1.194
#4	<.0000	<.0000	.0004	.0015	.0234	<.0000	1.209

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0215	<.0000	4.061	.0107	<.0000	<.0000	<.0000
SDev	.0004	.0038	.063	.0080	.0208	.0271	.0729
%RSD	1.719	113.0	1.540	74.24	105.2	248.0	111.2

#1	.0218	<.0000	4.046	.0037	<.0000	.0070	<.0000
#2	.0212	<.0000	4.107	.0220	<.0000	.0070	<.0000
#3	.0212	<.0000	4.112	.0098	<.0000	<.0000	<.0000
#4	.0218	<.0000	3.979	.0073	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0336	<.0000	<.0000	.0007
SDev	.0246	.0879	.0014	.0003
%RSD	73.07	239.4	71.58	44.61

#1	.0394	.0723	<.0000	.0009
#2	.0440	<.0000	<.0000	.0009
#3	<.0000	<.0000	<.0000	.0009
#4	.0533	<.0000	<.0000	.0002

Analysis Report

12/14/01 01:39:47 PM

page 1

Method: IECW Sample Name: 28324

Operator: it

Run Time: 12/14/01 13:38:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0351	.0137	.0275	<.0000	23.51
SDev	.0021	.0099	.0453	.0021	.0005	.0000	.13
%RSD	95.01	149.3	129.3	15.00	1.897	50.00	.5648

#1	.0002	<.0000	.1013	.0121	.0281	<.0000	23.41
#2	<.0000	.0026	.0117	.0126	.0269	<.0000	23.44
#3	<.0000	<.0000	.0012	.0136	.0275	<.0000	23.50
#4	<.0000	<.0000	.0261	.0167	.0275	<.0000	23.71

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	<.0000	.0013	.0001	.0688	.9544	7.866
SDev	.0014	.0011	.0008	.0012	.0026	.3920	.074
%RSD	148.9	25.96	59.89	1076.	3.736	41.07	.9427

#1	.0029	<.0000	.0011	.0017	.0671	1.272	7.806
#2	<.0000	<.0000	.0023	.0003	.0725	1.272	7.803
#3	.0003	<.0000	.0010	<.0000	.0684	.4688	7.898
#4	.0008	<.0000	.0006	<.0000	.0671	.8037	7.955

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0611	<.0000	26.78	.0143	<.0000	<.0000	<.0000
SDev	.0006	.0038	.45	.0081	.0268	.0412	.0570
%RSD	.9953	99.79	1.685	56.65	543.3	855.1	136.7

#1	.0603	<.0000	26.33	.0192	.0059	<.0000	.0396
#2	.0610	<.0000	26.59	.0228	.0217	.0059	<.0000
#3	.0616	<.0000	27.39	.0057	<.0000	<.0000	<.0000
#4	.0616	<.0000	26.82	.0093	<.0000	.0490	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8580	.1359	<.0000	<.0000
SDev	.0334	.0520	.0006	.0008
%RSD	3.896	38.29	26.58	339.0

#1	.8743	.0617	<.0000	<.0000
#2	.8326	.1410	<.0000	.0006
#3	.8278	.1607	<.0000	<.0000
#4	.8972	.1804	<.0000	<.0000

Analysis Report

12/14/01 01:42:22 PM

page 1

Method: IECW, Sample Name: 28325

Operator: it

Run Time: 12/14/01 13:40:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0628	.0024	.0131	<.0000	5.678
SDev	.0015	.0084	.0370	.0023	.0004	.0000	.032
%RSD	60.87	218.3	58.98	98.56	2.779	33.33	.5619

#1	<.0000	<.0000	.0772	.0022	.0128	<.0000	5.659
#2	<.0000	<.0000	.0485	.0053	.0128	<.0000	5.652
#3	<.0000	.0051	.0196	.0022	.0134	<.0000	5.723
#4	<.0000	.0015	.1057	<.0000	.0135	<.0000	5.675

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0244	<.0000	1.206
SDev	.0016	.0004	.0010	.0006	.0028	.2082	.020
%RSD	146.5	13.34	337.1	86.46	11.36	41.45	1.687

#1	.0011	<.0000	<.0000	<.0000	.0221	<.0000	1.215
#2	<.0000	<.0000	<.0000	<.0000	.0221	<.0000	1.179
#3	<.0000	<.0000	.0013	.0000	.0261	<.0000	1.226
#4	<.0000	<.0000	<.0000	<.0000	.0275	<.0000	1.203

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0237	<.0000	4.028	.0110	<.0000	<.0000	<.0000
SDev	.0005	.0041	.027	.0032	.0172	.0215	.0891
%RSD	2.205	70.85	.6634	28.66	87.16	118.9	529.2

#1	.0244	<.0000	4.028	.0073	<.0000	<.0000	<.0000
#2	.0237	<.0000	4.004	.0098	<.0000	<.0000	.0428
#3	.0231	<.0000	4.065	.0147	.0020	<.0000	.0643
#4	.0237	<.0000	4.015	.0122	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0545	<.0000	<.0000	<.0000
SDev	.0321	.0963	.0005	.0010
%RSD	58.98	805.9	24.38	396.4

#1	.0255	<.0000	<.0000	<.0000
#2	.0395	<.0000	<.0000	.0002
#3	.0996	<.0000	<.0000	.0002
#4	.0533	.1318	<.0000	.0002

Analysis Report

12/14/01 01:47:53 PM

page 1

Method: IECW Sample Name: 28327
 Run Time: 12/14/01 13:46:08
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1014	.0150	.0272	<.0000	23.49
SDev	.0008	.0055	.0352	.0020	.0004	.0000	.14
%RSD	32.20	39.32	34.70	13.18	1.328	.0000	.6102

#1	<.0000	<.0000	.0549	.0131	.0275	<.0000	23.56
#2	<.0000	<.0000	.1228	.0152	.0275	<.0000	23.54
#3	<.0000	<.0000	.1337	.0177	.0268	<.0000	23.57
#4	<.0000	<.0000	.0943	.0141	.0269	<.0000	23.28

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0000	<.0000	.0009	<.0000	.0664	.7869	7.835
SDev	.0007	.0020	.0020	.0013	.0018	.3171	.052
%RSD	6367.	62.28	235.1	115.1	2.645	40.29	.6669

#1	.0003	<.0000	.0006	<.0000	.0658	.5023	7.863
#2	<.0000	<.0000	.0023	<.0000	.0685	.7367	7.818
#3	.0008	<.0000	<.0000	<.0000	.0644	.6697	7.889
#4	<.0000	<.0000	.0024	.0003	.0672	1.239	7.770

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0610	<.0000	26.52	.0167	<.0000	<.0000	<.0000
SDev	.0012	.0016	.25	.0101	.0102	.0296	.0737
%RSD	1.910	17.23	.9333	60.70	172.0	112.4	177.1

#1	.0622	<.0000	26.64	.0314	<.0000	<.0000	.0612
#2	.0603	<.0000	26.51	.0143	<.0000	<.0000	<.0000
#3	.0616	<.0000	26.75	.0081	.0059	.0060	<.0000
#4	.0597	<.0000	26.18	.0131	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8256	.0815	<.0000	<.0000
SDev	.0235	.1643	.0003	.0012
%RSD	2.844	201.6	17.32	162.9

#1	.8140	<.0000	<.0000	.0006
#2	.8604	.3194	<.0000	<.0000
#3	.8093	.0616	<.0000	<.0000
#4	.8188	<.0000	<.0000	<.0000

Analysis Report

12/14/01 01:53:55 PM

page 1

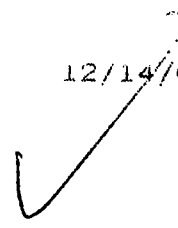
Mod: IECW Sample Name: 28468

Operator: it

Time: 12/14/01 13:52:10

ment:

e: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0028	.0042	.0133	<.0000	5.686
SDev	.0019	.0098	.0303	.0015	.0003	.0000	.013
%RSD	113.4	330.7	1102.	36.82	2.392	50.00	.2234

1	<.0000	.0024	.0018	.0058	.0134	<.0000	5.701
2	<.0000	<.0000	<.0000	.0022	.0135	<.0000	5.673
3	<.0000	<.0000	<.0000	.0048	.0128	<.0000	5.679
4	.0009	.0078	.0447	.0038	.0135	<.0000	5.690

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	<.0000	<.0000	<.0000	.0214	<.0000	1.212
SDev	.0007	.0009	.0016	.0009	.0028	.5540	.019
%RSD	202.7	30.20	530.8	105.4	13.11	114.1	1.609

#1	.0006	<.0000	<.0000	.0000	.0221	<.0000	1.241
#2	<.0000	<.0000	<.0000	<.0000	.0180	<.0000	1.200
#3	.0001	<.0000	<.0000	<.0000	.0248	<.0000	1.203
#4	.0011	<.0000	.0021	<.0000	.0207	.1674	1.206

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0240	<.0000	4.039	.0040	<.0000	.0034	<.0000
SDev	.0006	.0031	.013	.0044	.0181	.0138	.0716
%RSD	2.656	42.02	.3314	110.6	261.3	404.9	119.0

#1	.0250	<.0000	4.037	<.0000	<.0000	<.0000	<.0000
#2	.0237	<.0000	4.056	.0098	.0020	.0070	<.0000
#3	.0237	<.0000	4.040	.0012	.0138	.0213	.0427
#4	.0237	<.0000	4.024	.0049	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0464	<.0000	<.0000	<.0000
SDev	.0326	.1003	.0014	.0008
%RSD	70.31	194.3	61.63	143.2

#1	.0671	.0722	<.0000	.0002
#2	.0163	<.0000	<.0000	<.0000
#3	.0209	<.0000	<.0000	<.0000
#4	.0811	<.0000	<.0000	<.0000

Method: IECW Sample Name: 28469

Operator: it

Run Time: 12/14/01 13:55:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0197	.0031	.0133	<.0000	5.676
SDev	.0014	.0083	.0575	.0015	.0003	.0001	.029
%RSD	80.79	595.4	291.3	49.14	2.408	76.98	.5170

#1	<.0000	.0069	.0268	.0027	.0135	<.0000	5.671
#2	<.0000	<.0000	.0092	.0027	.0128	<.0000	5.704
#3	<.0000	.0015	<.0000	.0053	.0135	<.0000	5.637
#4	<.0000	<.0000	.0914	.0017	.0135	<.0000	5.691

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0231	<.0000	1.202
SDev	.0009	.0012	.0017	.0012	.0023	.4292	.004
%RSD	1519.	32.69	272.5	886.7	9.976	104.6	.3715

#1	.0011	<.0000	<.0000	.0015	.0261	.0670	1.206
#2	<.0000	<.0000	<.0000	<.0000	.0234	<.0000	1.197
#3	.0001	<.0000	.0004	.0000	.0221	<.0000	1.200
#4	<.0000	<.0000	.0008	<.0000	.0207	<.0000	1.206

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0250	<.0000	4.039	.0092	<.0000	.0142	<.0000
SDev	.0005	.0016	.023	.0032	.0200	.0379	.0512
%RSD	2.088	22.00	.5804	35.25	224.7	268.2	133.0

#1	.0256	<.0000	4.031	.0135	.0138	.0500	<.0000
#2	.0250	<.0000	4.073	.0098	<.0000	.0357	<.0000
#3	.0244	<.0000	4.019	.0073	<.0000	.0070	<.0000
#4	.0250	<.0000	4.033	.0061	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0348	<.0000	<.0000	.0001
SDev	.0254	.0978	.0013	.0008
%RSD	72.81	173.0	79.39	1032.

#1	.0718	<.0000	<.0000	.0002
#2	.0163	<.0000	<.0000	<.0000
#3	.0302	.0723	<.0000	.0002
#4	.0209	<.0000	<.0000	.0009

Analysis Report

12/14/01 01:59:49 PM

page 1

Method: IECW Sample Name: 28470
 Run Time: 12/14/01 13:58:05
 Comment: ,
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1361	.0126	.0275	<.0000	23.62
SDev	.0006	.0024	.0537	.0015	.0005	.0001	.09
%RSD	39.71	277.7	39.43	11.65	1.907	76.98	.3901

#1	<.0000	<.0000	.2087	.0125	.0281	<.0000	23.62
#2	<.0000	<.0000	.1012	.0110	.0275	<.0000	23.49
#3	<.0000	.0025	.0904	.0145	.0268	<.0000	23.69
#4	<.0000	<.0000	.1441	.0125	.0275	<.0000	23.69

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	<.0000	.0010	<.0000	.1470	.9376	7.842
SDev	.0010	.0015	.0010	.0007	.0030	.1875	.051
%RSD	149.2	56.76	95.62	70.81	2.041	19.99	.6508

#1	.0013	<.0000	.0002	<.0000	.1440	.8037	7.812
#2	<.0000	<.0000	.0002	<.0000	.1508	1.005	7.785
#3	.0013	<.0000	.0023	<.0000	.1480	1.172	7.883
#4	.0008	<.0000	.0014	<.0000	.1453	.7702	7.886

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0592	<.0000	26.49	.0130	.0059	.0238	<.0000
SDev	.0003	.0032	.24	.0061	.0140	.0215	.0541
%RSD	.5370	60.26	.9180	46.61	237.9	90.31	268.9

#1	.0590	<.0000	26.63	.0130	<.0000	.0346	<.0000
#2	.0590	<.0000	26.12	.0094	.0138	.0346	<.0000
#3	.0597	<.0000	26.64	.0216	.0177	.0346	.0394
#4	.0590	<.0000	26.56	.0081	.0059	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8198	.1061	<.0000	<.0000
SDev	.0132	.1433	.0012	.0007
%RSD	1.613	135.1	80.67	157.2

#1	.8187	.0616	<.0000	<.0000
#2	.8049	.2202	<.0000	<.0000
#3	.8371	<.0000	<.0000	<.0000
#4	.8186	.2200	<.0000	<.0000