

WTC Sam -

98.6%	1/12/02 IT		
= 1887.2	BIK	31380	
98.9%	5STP	31401	
= 1892.75	IPC+CB	31402	
	LFB+L2B	31403	
D = 448	31253 + Lab Dup + 5pk	IPC+CB	
= 866.5	31254	xpk BIK	
= 71	31255	Spk 3.755×50	92.97
= 21.3	31275	$\frac{1055}{3.755} \times 50$	= 1779.6
	31342	Dup $\frac{3.755}{1015} \times 50$	96.99
	31343		= 1856.8
99.9	31344	1419 1.846×50	= 92.3
	31345	1420 3.668×50	= 183.4
	31348	1421 4.064×50	$\frac{78.43 \times 50}{29167} = 203.2$
	31363	1422 $\frac{78.43 \times 50}{29167}$	= 13444.98
	IPC+CB	1423 $\frac{2937 \times 50}{29167}$	= 5034.8
3	31364 + Lab Dup + 5pk	1424 $\frac{3953 \times 50}{29167}$	= 7297.9
	31374		
	31375	1425 17.6×50	= 3379.3
	31376		= 260412
	31378	1426 1.283×50	= 64.2
	31379	1427 6.299×50	= 314.95

Reviewed by,
 C/b 3/15/02

Standardization Rpt.

01/18/02 10:18:20 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 01/18/02 10:16:35

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.375	3.924	.4120	.2680	.1520	.1980	4.040
SDev	.002	.010	.0163	.0033	.0000	.0000	.012
%RSD	.1455	.2578	3.944	1.219	.0000	.0000	.3035

#1	1.376	3.922	.4280	.2640	.1520	.1980	4.046
#2	1.372	3.936	.3980	.2680	.1520	.1980	4.052
#3	1.376	3.912	.3980	.2680	.1520	.1980	4.036
#4	1.376	3.928	.4240	.2720	.1520	.1980	4.024

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2655	2.463	.9515	.5990	-.0020	5.635	1.300
SDev	.0030	.016	.0025	.0011	.0049	.016	.005
%RSD	1.130	.6377	.2645	.1928	244.9	.2770	.4045

#1	.2640	2.482	.9540	.6000	-.0020	5.648	1.308
#2	.2640	2.466	.9480	.6000	.0040	5.640	1.296
#3	.2700	2.460	.9520	.5980	-.0080	5.638	1.300
#4	.2640	2.444	.9520	.5980	-.0020	5.612	1.298

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0910	.1200	2.023	.4775	.7125	.1375	.1150
SDev	.0011	.0000	.010	.0107	.0041	.0034	.0115
%RSD	1.269	.0000	.4936	2.252	.5787	2.484	9.991

#1	.0920	.1200	2.014	.4880	.7120	.1360	.1280
#2	.0920	.1200	2.036	.4840	.7120	.1420	.1160
#3	.0900	.1200	2.016	.4640	.7180	.1380	.1160
#4	.0900	.1200	2.024	.4740	.7080	.1340	.1000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.417	.1320	.6910	.1470
SDev	.004	.0078	.0011	.0020
%RSD	.2938	5.933	.1671	1.361

#1	1.416	.1300	.6900	.1480
#2	1.422	.1400	.6920	.1480
#3	1.418	.1220	.6900	.1480
#4	1.412	.1360	.6920	.1440

Standardization Rpt.

01/18/02 10:39:21 AM

page 1

Method: IECW Standard: STD6

Run Time: 01/18/02 10:37:59

Elem	Ag3280
Avge	42.57
SDev	.20
%RSD	.4774

#1	42.38
#2	42.46
#3	42.59
#4	42.84

Standardization Rpt.

01/18/02 10:42:08 AM

page 1

Method: IECW Standard: STD3

Run Time: 01/18/02 10:40:25

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	22.29	221.8	13.19	5.181	12.32	15.76	1.331
SDev	.04	.7	.03	.024	.08	.07	.011
%RSD	.1948	.2982	.2528	.4658	.6450	.4464	.7904

#1	22.31	222.4	13.22	5.172	12.41	15.77	1.340
#2	22.35	222.2	13.20	5.162	12.32	15.86	1.336
#3	22.25	221.0	13.14	5.172	12.22	15.70	1.316
#4	22.26	221.5	13.19	5.216	12.32	15.73	1.332

Elem	Tl1908
Avge	1.013
SDev	.009
%RSD	.9025

#1	1.012
#2	1.016
#3	1.024
#4	1.002

Standardization Rpt.

01/18/02 10:48:18 AM

page 1

Method: IECW Standard: STD4

Run Time: 01/18/02 10:46:56



Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	4.608	34.95	44.75	.8070	5.452
SDev	.027	.10	.11	.0105	.017
%RSD	.5774	.2879	.2369	1.304	.3113
#1	4.592	35.08	44.77	.8160	5.456
#2	4.582	34.84	44.60	.8120	5.428
#3	4.614	34.95	44.79	.8080	5.456
#4	4.642	34.93	44.85	.7920	5.468

Standardization Rpt.

01/18/02 10:50:38 AM

page 1

Method: IECW Standard: STD2

Run Time: 01/18/02 10:49:15



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	28.14	92.67	34.85	122.0	25.48	11.21	7.453
SDev	.11	.41	.14	.6	.09	.02	.015
%RSD	.3890	.4401	.4121	.4629	.3522	.2056	.2001

#1	28.20	93.06	35.01	122.6	25.53	11.22	7.472
#2	27.98	92.14	34.72	121.2	25.35	11.19	7.436
#3	28.22	92.91	34.94	122.2	25.56	11.24	7.456
#4	28.15	92.57	34.74	121.9	25.50	11.20	7.450

Elem	Mn2576	Pb2203	Zn2138
Avge	27.56	5.358	26.30
SDev	.14	.026	.14
%RSD	.4927	.4933	.5194

#1	27.69	5.376	26.45
#2	27.38	5.320	26.13
#3	27.62	5.376	26.36
#4	27.57	5.360	26.27

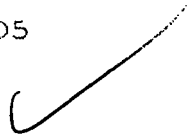
Standardization Rpt.

01/18/02 10:52:34 AM

page 1

Method: IECW Standard: STD5

Run Time: 01/18/02 10:51:12



Elem	V_2924
Avge	31.15
SDev	.07
%RSD	.2310

#1	31.05
#2	31.16
#3	31.22
#4	31.18

Analysis Report

01/18/02 11:00:45 AM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/18/02 10:58:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4956	1.043	.0326	.9925	1.022	1.000	1.030
SDev	.0012	.012	.0213	.0078	.005	.003	.003
%RSD	.2450	1.111	65.41	.7905	.5314	.2954	.3181

#1	.4971	1.049	.0433	.9950	1.024	1.003	1.034
#2	.4942	1.038	.0434	.9875	1.022	.9980	1.027
#3	.4957	1.030	.0006	1.003	1.027	1.003	1.027
#4	.4952	1.056	.0432	.9852	1.014	.9974	1.032

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.024	1.021	.9882	.9916	1.035	<.0000	.9824
SDev	.008	.003	.0022	.0041	.002	.3645	.0193
%RSD	.8262	.3169	.2176	.4137	.1840	36.20	1.961

#1	1.023	1.022	.9879	.9916	1.037	<.0000	.9750
#2	1.018	1.018	.9852	.9900	1.033	<.0000	.9620
#3	1.021	1.021	.9898	.9973	1.036	<.0000	.9848
#4	1.037	1.025	.9897	.9876	1.036	<.0000	1.008

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.018	.9714	1.020	1.035	1.001	.9589	.0166
SDev	.004	.0059	.015	.003	.013	.0412	.0279
%RSD	.4266	.6109	1.499	.3324	1.333	4.294	168.8

#1	1.021	.9684	1.040	1.032	1.008	1.009	<.0000
#2	1.019	.9684	1.004	1.032	.9823	.9758	.0385
#3	1.021	.9684	1.012	1.039	.9996	.9254	.0385
#4	1.012	.9803	1.024	1.038	1.012	.9253	.0092

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.043	1.135	.9974	1.024
SDev	.014	.173	.0009	.006
%RSD	1.351	15.24	.0931	.5832

#1	1.033	1.345	.9981	1.025
#2	1.033	1.073	.9961	1.023
#3	1.043	.9366	.9981	1.031
#4	1.063	1.186	.9974	1.016

Analysis Report

01/18/02 11:05:03 AM

page 1

Method: IECW Sample Name: cb ✓

Operator: it

Run Time: 01/18/02 11:03:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0406	<.0000	<.0000	.0000	<.0000
SDev	.0016	.0104	.0403	.0006	.0000	.0001	.0012
%RSD	88.11	132.0	99.15	96.55	.1319	200.0	34.78

#1	<.0000	<.0000	.0873	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0055	<.0000	<.0000	<.0000	.0000	<.0000
#3	.0002	<.0000	.0299	.0002	<.0000	.0000	<.0000
#4	<.0000	<.0000	.0538	<.0000	<.0000	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	<.0000	<.0000	.0015	<.0000	<.0000
SDev	.0010	.0031	.0010	.0010	.0052	.4045	.0171
%RSD	688.8	386.9	945.4	35.95	339.3	75.57	100.2

#1	<.0000	<.0000	<.0000	<.0000	.0065	<.0000	<.0000
#2	<.0000	.0025	.0007	<.0000	.0034	<.0000	<.0000
#3	<.0000	.0002	.0002	<.0000	<.0000	<.0000	<.0000
#4	.0016	<.0000	.0002	<.0000	.0019	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0000	.0059	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0000	.0020	.0246	.0097	.0262	.0291	.1579
%RSD	98.56	33.31	503.6	743.6	202.8	697.5	216.7

#1	.0000	.0069	<.0000	.0095	<.0000	.0043	<.0000
#2	<.0000	.0069	.0288	.0043	<.0000	<.0000	<.0000
#3	.0000	.0030	<.0000	<.0000	.0097	.0042	.0438
#4	.0000	.0069	<.0000	<.0000	.0097	.0210	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0100	.0567	<.0000	<.0000
SDev	.0319	.0926	.0011	.0010
%RSD	318.7	163.3	21.65	505.3

#1	<.0000	.1021	<.0000	.0000
#2	<.0000	<.0000	<.0000	.0008
#3	.0562	.0794	<.0000	.0000
#4	.0063	.1247	<.0000	<.0000

Analysis Report

01/18/02 11:13:07 AM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 01/18/02 11:11:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0123	.2165	.1701	.2349	.2416	.0460	.0092
SDev	.0014	.0070	.0684	.0034	.0007	.0002	.0030
%RSD	11.83	3.215	40.22	1.466	.2958	.4046	32.03

#1	.0104	.2064	.1046	.2357	.2412	.0457	.0051
#2	.0129	.2217	.1903	.2334	.2412	.0460	.0094
#3	.0138	.2173	.2572	.2392	.2412	.0460	.0107
#4	.0119	.2206	.1282	.2311	.2427	.0462	.0118

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0961	.0943	.2326	.2393	.2506	<.0000	<.0000
SDev	.0032	.0016	.0021	.0014	.0059	.4381	.0072
%RSD	3.349	1.686	.8833	.5816	2.369	17.79	26.01

#1	.0959	.0925	.2309	.2373	.2430	<.0000	<.0000
#2	.0976	.0935	.2314	.2405	.2491	<.0000	<.0000
#3	.0993	.0960	.2327	.2397	.2567	<.0000	<.0000
#4	.0918	.0952	.2355	.2397	.2536	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2421	.0997	.0029	.2435	.2283	.1720	.1305
SDev	.0014	.0088	.0172	.0073	.0075	.0323	.1263
%RSD	.5758	8.793	597.6	2.989	3.264	18.77	96.78

#1	.2410	.0928	<.0000	.2347	.2348	.1974	.1306
#2	.2410	.0968	<.0000	.2412	.2347	.1636	.1890
#3	.2424	.0968	.0262	.2517	.2218	.1299	<.0000
#4	.2439	.1126	.0029	.2465	.2218	.1973	.2475

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1566	.1817	.0902	.2407
SDev	.0352	.0570	.0007	.0026
%RSD	22.46	31.35	.7274	1.086

#1	.1184	.2102	.0905	.2433
#2	.1726	.0963	.0892	.2418
#3	.1973	.2102	.0905	.2403
#4	.1381	.2102	.0905	.2372

Analysis Report

01/18/02 11:16:33 AM

page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 01/18/02 11:14:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0070	.0224	.0018	.0004	.0001	.0027
%RSD	136.6	107.5	135.0	138.4	57.68	50.00	209.6

#1	.0002	<.0000	.0072	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0013	<.0000	<.0000	.0012
#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	.0012	.0016	.0014	.0007	.0023	.02687	.0126
%RSD	103.0	193.5	178.2	108.9	150.1	107.5	516.7

#1	<.0000	.0005	<.0000	.0002	.0019	<.0000	<.0000
#2	<.0000	<.0000	.0004	<.0000	<.0000	<.0000	<.0000
#3	.0004	.0005	<.0000	<.0000	<.0000	<.0000	.0089
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0024

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	.0010	.0226	<.0000	<.0000
SDev	.0004	.0020	.0135	.0065	.0200	.0253	.0844
%RSD	66.64	200.7	146.2	657.3	88.60	50.01	144.4

#1	<.0000	.0020	<.0000	.0016	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0016	.0247	<.0000	<.0000
#3	<.0000	<.0000	.0068	.0082	.0419	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	.0439

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	.0002	.0006
SDev	.0203	.1267	.0003	.0015
%RSD	548.6	556.4	199.4	255.0

#1	.0148	.0741	<.0000	.0002
#2	<.0000	.0969	.0000	.0017
#3	.0098	<.0000	.0007	.0017
#4	<.0000	<.0000	.0000	<.0000

Analysis Report

01/18/02 11:19:20 AM

page 1

Method: IECW Sample Name: 31253

Operator: it

Run Time: 01/18/02 11:17:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0092	.0135	.0281	<.0000	23.63
SDev	.0006	.0076	.0324	.0016	.0007	.0000	.09
%RSD	34.09	63.46	354.0	11.77	2.411	.0000	.3859

#1	<.0000	<.0000	.0353	.0116	.0286	<.0000	23.69
#2	<.0000	<.0000	.0354	.0145	.0286	<.0000	23.72
#3	<.0000	<.0000	<.0000	.0150	.0272	<.0000	23.58
#4	<.0000	<.0000	<.0000	.0128	.0279	<.0000	23.53

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0008	<.0000	.0014	.0104	.0718	.9369	7.861
SDev	.0021	.0017	.0008	.0005	.0033	.0791	.044
%RSD	270.1	98.11	59.73	4.451	4.578	8.447	.5586

#1	<.0000	<.0000	.0020	.0108	.0672	1.035	7.888
#2	.0012	<.0000	.0020	.0100	.0718	.8923	7.891
#3	<.0000	<.0000	.0015	.0100	.0748	.9637	7.868
#4	.0035	.0007	.0002	.0108	.0734	.8566	7.797

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0518	<.0000	26.46	.0062	<.0000	<.0000	<.0000
SDev	.0006	.0040	.10	.0037	.0144	.0524	.0966
%RSD	1.142	778.4	.3769	59.61	270.2	170.6	75.44

#1	.0518	.0054	26.51	.0088	.0161	.0114	.0108
#2	.0525	<.0000	26.53	.0062	<.0000	<.0000	<.0000
#3	.0518	<.0000	26.47	.0010	<.0000	<.0000	<.0000
#4	.0511	<.0000	26.31	.0089	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.685	.0727	.0001	.0015
SDev	.011	.0394	.0003	.0004
%RSD	.6502	54.17	264.3	25.56

#1	1.672	.0841	.0003	.0013
#2	1.697	.1069	.0003	.0013
#3	1.682	.0841	<.0000	.0021
#4	1.692	.0159	.0003	.0013

Analysis Report

01/18/02 11:21:34 AM

page 1

Method: IECW Sample Name: 31253lab dup Operator: it
 Run Time: 01/18/02 11:19:51
 Comment:
 Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0282	.0142	.0279 ²⁸¹	<.0000	23.65 ²³⁶³
SDev	.0013	.0055	.0548	.0019	.0006	.0000	.13
%RSD	55.44	144.3	194.6	13.39	2.044	.0000	.5578
#1	<.0000	.0030	.0352	.0128	.0279	<.0000	23.58
#2	<.0000	<.0000	.0927	.0145	.0279	<.0000	23.66
#3	<.0000	<.0000	.0257	.0168	.0286	<.0000	23.83
#4	<.0000	<.0000	<.0000	.0128	.0272	<.0000	23.53
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790 ⁷⁸⁶¹
Avge	.0000 ⁸	<.0000	.0018 ¹⁴	.0100 ¹⁰⁴	.0703 ⁷¹⁸	1.080	7.842
SDev	.0013	.0016	.0014	.0013	.0041	.217	.055
%RSD	2595.	222.2	79.38	13.08	5.819	20.09	.6968
#1	<.0000	<.0000	.0025	.0117	.0718	1.321	7.816
#2	.0000	<.0000	.0011	.0084	.0733	.9994	7.845
#3	.0012	.0003	.0033	.0100	.0718	.8209	7.917
#4	.0006	.0002	.0002	.0100	.0643	1.178	7.790
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0524 ⁵¹⁸	<.0000	26.53 ²⁶⁴⁶	.0039 ⁶²	.0022	<.0000	<.0000
SDev	.0007	.0023	.14	.0053	.0128	.0238	.1051
%RSD	1.325	446.1	.5351	134.0	597.1	60.83	151.1
#1	.0525	.0015	26.54	.0010	<.0000	<.0000	.0693
#2	.0518	<.0000	26.50	<.0000	.0075	<.0000	<.0000
#3	.0533	.0015	26.71	.0114	<.0000	<.0000	<.0000
#4	.0518	<.0000	26.36	.0036	.0161	<.0000	<.0000
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	1.724	.1297	<.0000	.0013			
SDev	.017	.1084	.0011	.0000			
%RSD	.9752	83.57	211.2	.2142			
#1	1.721	.0614	.0009	.0013			
#2	1.702	.1069	<.0000	.0013			
#3	1.741	.2891	<.0000	.0013			
#4	1.731	.0614	<.0000	.0013			

Analysis Report

01/18/02 11:32:34 AM

page 1

Method: IECW Sample Name: 31253spk

Operator: it

Run Time: 01/18/02 11:30:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0154	.2614	.2717	.2667	.2779	.0487	23.27
SDev	.0017	.0091	.0342	.0019	.0016	.0002	.06
%RSD	11.21	3.472	12.58	.7119	.5680	.4106	.2457

#1	.0154	.2576	.2562	.2685	.2774	.0488	23.25
#2	.0144	.2565	.3088	.2680	.2788	.0488	23.26
#3	.0178	.2750	.2321	.2656	.2795	.0489	23.34
#4	.0139	.2565	.2897	.2645	.2760	.0484	23.21

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1018	.0987	.2444	.2546	.3248	1.080	7.718
SDev	.0012	.0013	.0017	.0010	.0045	.128	.046
%RSD	1.135	1.272	.7079	.3971	1.392	11.88	.5973

#1	.1036	.0986	.2440	.2544	.3297	1.106	7.732
#2	.1013	.1004	.2422	.2560	.3267	.9637	7.709
#3	.1013	.0974	.2449	.2544	.3236	1.249	7.771
#4	.1013	.0984	.2463	.2536	.3191	.9994	7.660

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3024	.0962	26.09	.2527	.2497	.2086	.1778
SDev	.0004	.0056	.15	.0051	.0249	.0253	.0603
%RSD	.1201	5.816	.5825	2.005	9.984	12.13	33.90

#1	.3030	.0962	25.97	.2498	.2260	.1960	.1851
#2	.3022	.1041	26.24	.2511	.2733	.2297	.0974
#3	.3022	.0923	26.21	.2498	.2690	.1791	.1851
#4	.3022	.0923	25.95	.2603	.2303	.2297	.2437

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.830	.3343	.0979	.2534
SDev	.017	.0644	.0003	.0043
%RSD	.9035	19.28	.3364	1.713

#1	1.820	.2431	.0974	.2490
#2	1.825	.3799	.0981	.2559
#3	1.855	.3798	.0981	.2582
#4	1.820	.3344	.0981	.2506

Analysis Report

01/18/02 11:42:54 AM

page 1

Method: IECW Sample Name: 31254

Operator: it

Run Time: 01/18/02 11:41:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0031	.0140	<.0000	6.725
SDev	.0002	.0074	.0306	.0010	.0000	.0000	.058
%RSD	14.40	1288.	681.6	32.04	.0435	.0000	.8562

#1	<.0000	<.0000	.0302	.0032	.0140	<.0000	6.738
#2	<.0000	<.0000	<.0000	.0026	.0140	<.0000	6.773
#3	<.0000	.0098	<.0000	.0044	.0140	<.0000	6.750
#4	<.0000	<.0000	.0111	.0021	.0140	<.0000	6.642

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0830	.0370	<.0000	1.240
SDev	.0012	.0016	.0019	.0012	.0014	.1843	.021
%RSD	79.12	243.5	137.8	1.450	3.911	39.72	1.730

#1	<.0000	<.0000	<.0000	.0836	.0388	<.0000	1.255
#2	<.0000	<.0000	.0005	.0836	.0373	<.0000	1.255
#3	<.0000	.0004	.0000	.0836	.0358	<.0000	1.242
#4	<.0000	.0004	<.0000	.0812	.0358	<.0000	1.210

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0128	<.0000	7.370	<.0000	.0097	<.0000	<.0000
SDev	.0004	.0075	.024	.0033	.0250	.0195	.1379
%RSD	2.831	245.4	.3265	169.5	258.2	91.54	110.4

#1	.0130	<.0000	7.388	<.0000	.0290	<.0000	<.0000
#2	.0130	.0019	7.388	<.0000	.0204	<.0000	<.0000
#3	.0130	<.0000	7.338	<.0000	<.0000	<.0000	<.0000
#4	.0123	.0019	7.365	.0026	.0161	<.0000	.0725

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9198	.1004	<.0000	.0001
SDev	.0069	.0505	.0008	.0011
%RSD	.7560	50.34	80.88	1160.

#1	.9148	.1175	<.0000	<.0000
#2	.9296	.0263	<.0000	.0016
#3	.9198	.1403	<.0000	.0001
#4	.9149	.1175	<.0000	<.0000

Analysis Report

01/18/02 11:45:29 AM

page 1

Method: IECW Sample Name: 31255

Operator: it

Run Time: 01/18/02 11:43:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0016	.0114	<.0000	.0025	.0145	<.0000	6.496
SDev	.0006	.0063	.0663	.0003	.0004	.0000	.009
%RSD	35.14	54.79	264.9	11.61	2.458	.0000	.1454

#1	.0011	.0098	.0108	.0026	.0147	<.0000	6.485
#2	.0021	.0076	.0204	.0020	.0147	<.0000	6.505
#3	.0021	.0076	<.0000	.0026	.0140	<.0000	6.490
#4	.0011	.0207	<.0000	.0026	.0147	<.0000	6.502

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	.0009	.0017	.0103	.0305	.2320	1.414
SDev	.0027	.0018	.0008	.0008	.0032	.1712	.012
%RSD	745.5	200.5	47.19	7.476	10.36	73.78	.8593

#1	<.0000	<.0000	.0027	.0097	.0312	.1071	1.401
#2	<.0000	.0031	.0018	.0105	.0297	.4283	1.414
#3	.0015	.0014	.0009	.0097	.0267	.0714	1.430
#4	.0033	.0001	.0013	.0113	.0343	.3212	1.411

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0230	<.0000	7.664	.0023	.0096	<.0000	<.0000
SDev	.0004	.0040	.018	.0022	.0147	.0169	.0877
%RSD	1.581	3905.	.2331	98.70	152.2	36.14	99.17

#1	.0224	<.0000	7.657	<.0000	<.0000	<.0000	.0139
#2	.0232	<.0000	7.643	.0052	.0161	<.0000	<.0000
#3	.0232	.0058	7.684	.0013	.0075	<.0000	<.0000
#4	.0232	<.0000	7.673	.0026	.0247	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.108	<.0000	.0011	.0012
SDev	.011	.0436	.0003	.0008
%RSD	.9859	539.0	30.39	61.80

#1	1.097	.0261	.0006	.0016
#2	1.102	<.0000	.0012	.0016
#3	1.112	.0261	.0012	.0016
#4	1.122	<.0000	.0012	.0001

Analysis Report

01/18/02 11:49:20 AM

page 1

Method: IECW Sample Name: 31275

Operator: it

Run Time: 01/18/02 11:47:37

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0024	.0259	.0131	.0159	.0303	<.0000	25.06
SDev	.0011	.0058	.0423	.0014	.0004	.0001	.15
%RSD	45.00	22.36	323.3	9.008	1.335	106e6	.5840

#1	.0028	.0246	.0537	.0167	.0306	<.0000	24.99
#2	.0032	.0344	<.0000	.0167	.0299	.0001	25.01
#3	.0028	.0213	.0441	.0166	.0306	<.0000	25.28
#4	.0008	.0235	<.0000	.0138	.0299	<.0000	24.97

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0012	.0007	.0052	.0016	.0810	1.972	8.385
SDev	.0007	.0016	.0026	.0008	.0014	.250	.044
%RSD	56.77	220.9	49.22	51.29	1.772	12.66	.5197

#1	.0018	.0003	.0049	.0020	.0806	1.999	8.368
#2	.0018	.0017	.0072	.0020	.0821	2.249	8.371
#3	.0006	.0022	.0071	.0020	.0821	1.999	8.449
#4	.0006	<.0000	.0017	.0004	.0791	1.642	8.352

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0978	.0034	27.92	.0038	.0279	<.0000	<.0000
SDev	.0014	.0023	.20	.0055	.0118	.0238	.1081
%RSD	1.405	67.38	.7106	144.4	42.51	60.57	89.27

#1	.0976	.0014	27.67	<.0000	.0418	<.0000	<.0000
#2	.0969	.0014	27.85	.0035	.0160	<.0000	<.0000
#3	.0998	.0054	28.05	.0113	.0332	<.0000	<.0000
#4	.0969	.0054	28.10	.0022	.0203	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.625	.1459	.0022	<.0000
SDev	.008	.0600	.0005	.0004
%RSD	.5134	41.12	23.98	69.14

#1	1.622	.1972	.0022	<.0000
#2	1.627	.1060	.0029	<.0000
#3	1.636	.0831	.0022	<.0000
#4	1.617	.1972	.0016	<.0000

Analysis Report

01/18/02 11:53:49 AM

page 1

Method: IECW Sample Name: 31342

Operator: it

Run Time: 01/18/02 11:52:05

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0013	.0217	.0034	.0033	.0147	<.0000	6.704
SDev	.0008	.0032	.0692	.0009	.0000	.0001	.041
%RSD	62.31	14.77	2035.	26.05	.0296	106e6	.6092

#1	.0006	.0239	<.0000	.0037	.0147	.0001	6.717
#2	.0021	.0185	.0393	.0037	.0147	<.0000	6.685
#3	.0006	.0250	.0249	.0020	.0147	<.0000	6.661
#4	.0021	.0195	.0488	.0037	.0147	<.0000	6.755

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	.0012	.0023	.0057	.0395	.2855	1.529
SDev	.0009	.0008	.0004	.0007	.0038	.2943	.018
%RSD	263.7	63.49	19.25	11.58	9.649	103.1	1.169

#1	.0004	.0011	.0026	.0065	.0357	<.0000	1.547
#2	<.0000	.0008	.0022	.0057	.0388	.3212	1.521
#3	.0004	.0006	.0026	.0049	.0388	.6068	1.508
#4	.0015	.0023	.0017	.0057	.0448	.3212	1.541

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0339	<.0000	7.844	.0098	.0085	<.0000	<.0000
SDev	.0011	.0040	.028	.0071	.0089	.0253	.0999
%RSD	3.217	3416.	.3535	73.01	103.8	42.63	332.0

#1	.0348	.0058	7.875	.0170	.0075	<.0000	.0138
#2	.0334	<.0000	7.818	<.0000	.0204	<.0000	<.0000
#3	.0326	<.0000	7.822	.0104	.0075	<.0000	.0723
#4	.0348	<.0000	7.859	.0117	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.031	<.0000	.0012	.0005
SDev	.015	.0389	.0012	.0015
%RSD	1.478	153.2	96.90	313.4

#1	1.033	<.0000	.0006	.0001
#2	1.023	<.0000	<.0000	.0016
#3	1.018	<.0000	.0019	.0016
#4	1.052	.0259	.0025	<.0000

Analysis Report

01/18/02 11:56:11 AM

page 1

Method: IECW Sample Name: 31343

Operator: it

Run Time: 01/18/02 11:54:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0014	.0226	.0443	.0059	.0174	<.0000	10.20
SDev	.0007	.0094	.0142	.0012	.0004	.0001	.02
%RSD	51.50	41.73	31.96	19.99	2.066	106e6	.1961

#1	.0011	.0310	.0478	.0058	.0172	<.0000	10.19
#2	.0020	.0288	.0574	.0046	.0179	<.0000	10.18
#3	.0006	.0201	.0479	.0058	.0172	.0001	10.23
#4	.0020	.0103	.0242	.0075	.0172	<.0000	10.18

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0022	.0031	.0096	.0423	.5443	2.814
SDev	.0024	.0024	.0017	.0009	.0045	.1552	.013
%RSD	331.7	108.5	54.93	9.681	10.71	28.52	.4457

#1	.0015	.0048	.0033	.0104	.0441	.7495	2.820
#2	<.0000	.0002	.0051	.0104	.0366	.5711	2.797
#3	.0009	.0038	.0029	.0088	.0411	.3926	2.813
#4	<.0000	.0001	.0010	.0088	.0472	.4640	2.826

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0418	<.0000	11.96	.0022	.0118	<.0000	<.0000
SDev	.0012	.0020	.03	.0021	.0078	.0253	.0969
%RSD	2.972	166.4	.2349	95.32	66.61	73.85	108.7

#1	.0435	<.0000	11.95	<.0000	.0203	<.0000	.0424
#2	.0413	.0018	11.94	.0022	.0074	<.0000	<.0000
#3	.0405	<.0000	11.95	.0022	.0161	<.0000	<.0000
#4	.0420	<.0000	12.00	.0049	.0032	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.205	.0922	.0010	.0008
SDev	.005	.0492	.0006	.0009
%RSD	.4097	53.39	61.99	112.2

#1	1.198	.0694	.0012	.0016
#2	1.208	.0466	.0005	.0000
#3	1.208	.0922	.0018	.0016
#4	1.208	.1605	.0005	.0000

Analysis Report

01/18/02 12:01:01 PM

page 1

Method: IECW Sample Name: 31344

Operator: it

Run Time: 01/18/02 11:59:17

Comment:

Mode: CONC Corr. Factor: 1.

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0006	.0191	<.0000	.0045	.0142	<.0000	6.093
SDev	.0007	.0051	.0485	.0020	.0004	.0001	.016
%RSD	108.8	26.57	135.3	43.56	2.515	100.00	.2615

#1	.0006	.0131	.0108	.0026	.0140	<.0000	6.116
#2	.0001	.0207	<.0000	.0038	.0140	<.0000	6.078
#3	.0016	.0174	<.0000	.0044	.0140	<.0000	6.092
#4	.0001	.0251	<.0000	.0072	.0148	<.0000	6.087

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0006	.0015	.0043	.0415	<.0000	1.320
SDev	.0020	.0008	.0016	.0014	.0014	.4863	.010
%RSD	305.7	118.4	110.2	32.14	3.490	908.3	.7780

#1	.0021	.0003	.0018	.0049	.0419	<.0000	1.310
#2	<.0000	.0014	.0023	.0025	.0404	<.0000	1.314
#3	<.0000	<.0000	.0027	.0041	.0434	.4283	1.333
#4	<.0000	.0011	<.0000	.0057	.0404	.2142	1.323

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0405	<.0000	7.165	.0052	.0214	<.0000	<.0000
SDev	.0004	.0040	.041	.0035	.0081	.0097	.0696
%RSD	.8988	97.57	.5718	67.71	38.00	32.69	78.67

#1	.0399	<.0000	7.196	<.0000	.0333	<.0000	<.0000
#2	.0407	<.0000	7.179	.0079	.0204	<.0000	<.0000
#3	.0407	<.0000	7.180	.0065	.0161	<.0000	<.0000
#4	.0407	<.0000	7.105	.0065	.0160	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9702	<.0000	.0012	.0037
SDev	.0177	.0644	.0009	.0007
%RSD	1.826	332.9	74.51	19.63

#1	.9788	<.0000	.0012	.0032
#2	.9443	.0262	<.0000	.0032
#3	.9739	<.0000	.0019	.0039
#4	.9838	.0262	.0019	.0047

Analysis Report

01/18/02 12:03:43 PM

page 1

Method: IECW Sample Name: 31345

Operator: it

Run Time: 01/18/02 12:02:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0000	.0183	<.0000	.0028	.0142	<.0000	6.272
SDev	.0005	.0050	.0268	.0020	.0003	.0001	.035
%RSD	2212.	27.26	160.7	72.18	2.491	100.00	.5615

#1	.0006	.0196	.0108	.0003	.0147	<.0000	6.323
#2	<.0000	.0240	<.0000	.0038	.0140	<.0000	6.268
#3	<.0000	.0174	<.0000	.0021	.0140	<.0000	6.246
#4	.0001	.0120	<.0000	.0050	.0140	<.0000	6.251

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	.0017	.0109	.0237	.0178	1.281
SDev	.0013	.0019	.0006	.0008	.0033	.0206	.015
%RSD	249.1	689.0	33.22	7.367	13.79	115.5	1.189

#1	<.0000	.0009	.0023	.0121	.0252	<.0000	1.297
#2	.0009	<.0000	.0009	.0105	.0267	.0357	1.291
#3	.0009	.0016	.0019	.0105	.0192	<.0000	1.268
#4	.0015	<.0000	.0019	.0105	.0237	.0357	1.268

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0215	<.0000	7.328	.0043	.0128	<.0000	<.0000
SDev	.0004	.0020	.030	.0043	.0190	.0443	.0696
%RSD	1.694	64.48	.4106	101.4	148.0	104.6	78.74

#1	.0210	<.0000	7.373	.0105	.0333	<.0000	<.0000
#2	.0217	<.0000	7.309	.0013	.0246	<.0000	<.0000
#3	.0217	<.0000	7.319	.0039	<.0000	<.0000	<.0000
#4	.0217	<.0000	7.313	.0013	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9604	<.0000	.0003	.0005
SDev	.0093	.0286	.0007	.0015
%RSD	.9694	211.0	246.6	305.7

#1	.9739	<.0000	<.0000	<.0000
#2	.9592	.0263	.0012	.0016
#3	.9543	<.0000	<.0000	.0001
#4	.9543	<.0000	<.0000	.0016

Analysis Report

01/18/02 12:07:48 PM

page 1

Method: IECW Sample Name: 31348

Operator: it

Run Time: 01/18/02 12:06:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0009	.0153	<.0000	.0042	.0139	<.0000	6.087
SDev	.0009	.0099	.0324	.0013	.0004	.0001	.015
%RSD	106.4	64.55	135.9	30.29	2.571	106e6	.2508

#1	.0021	.0185	<.0000	.0032	.0140	.0001	6.101
#2	.0011	.0240	.0107	.0061	.0140	<.0000	6.069
#3	.0001	.0011	<.0000	.0038	.0133	<.0000	6.080
#4	.0001	.0174	<.0000	.0038	.0140	<.0000	6.097

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0022	.0017	.0003	.0351	.1428	1.317
SDev	.0008	.0011	.0018	.0004	.0009	.2557	.011
%RSD	389.7	47.85	102.7	159.4	2.483	179.1	.8301

#1	<.0000	.0008	.0000	.0001	.0358	.4283	1.330
#2	.0004	.0029	.0041	.0009	.0343	.2855	1.314
#3	<.0000	.0021	.0009	.0001	.0343	<.0000	1.304
#4	.0004	.0031	.0018	.0001	.0359	<.0000	1.320

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0323	<.0000	7.451	.0062	.0150	<.0000	.0285
SDev	.0004	.0023	.068	.0074	.0206	.0137	.1275
%RSD	1.302	2330.	.9101	118.3	137.2	64.42	447.0

#1	.0326	<.0000	7.445	.0105	.0247	<.0000	<.0000
#2	.0319	.0019	7.373	.0144	<.0000	<.0000	<.0000
#3	.0326	<.0000	7.445	.0000	.0161	<.0000	.2186
#4	.0319	.0019	7.539	<.0000	.0333	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9850	<.0000	.0012	.0003
SDev	.0102	.0644	.0005	.0010
%RSD	1.034	58.32	42.96	334.0

#1	.9739	<.0000	.0012	<.0000
#2	.9936	<.0000	.0012	.0016
#3	.9937	<.0000	.0006	.0001
#4	.9788	<.0000	.0019	.0001

Analysis Report

01/18/02 12:09:57 PM

page 1

Method: IECW Sample Name: 31363

Operator: it

Run Time: 01/18/02 12:08:13

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0006	.0164	.0096	.0025	.0139	.0000	6.057
SDev	.0010	.0073	.0487	.0017	.0004	.0001	.006
%RSD	166.1	44.46	507.9	66.27	2.575	230.9	.1009

#1	.0006	.0196	.0489	.0021	.0140	.0001	6.048
#2	.0011	.0109	<.0000	.0015	.0140	<.0000	6.059
#3	.0016	.0251	.0489	.0050	.0140	.0001	6.061
#4	<.0000	.0098	<.0000	.0015	.0133	<.0000	6.061

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0002	.0018	.0009	.0309	.0892	1.325
SDev	.0016	.0011	.0013	.0007	.0023	.1712	.014
%RSD	745.4	481.7	70.31	76.68	7.364	191.8	1.087

#1	.0021	<.0000	.0018	.0009	.0298	.2142	1.320
#2	<.0000	.0008	.0009	.0009	.0328	<.0000	1.333
#3	<.0000	.0014	.0037	.0017	.0283	.2498	1.340
#4	<.0000	<.0000	.0009	.0001	.0328	<.0000	1.307

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0339	<.0000	7.707	.0065	.0182	<.0000	<.0000
SDev	.0004	.0076	.014	.0045	.0074	.0323	.0716
%RSD	1.074	7689.	.1859	69.28	40.86	108.4	97.03

#1	.0341	.0058	7.698	.0079	.0075	<.0000	.0139
#2	.0334	<.0000	7.718	.0105	.0204	<.0000	<.0000
#3	.0341	.0058	7.721	.0078	.0246	<.0000	<.0000
#4	.0341	<.0000	7.692	.0000	.0204	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9961	.0718	.0009	.0005
SDev	.0049	.0671	.0007	.0015
%RSD	.4933	93.42	71.49	305.3

#1	.9936	<.0000	.0012	<.0000
#2	.9936	.1401	<.0000	.0001
#3	1.003	.0946	.0012	.0016
#4	.9936	.0718	.0012	.0016

Analysis Report

01/18/02 12:12:58 PM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/18/02 12:11:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	.5006	1.070	.0228	.9917	1.020	1.002	1.032
SDev	.0025	.009	.0293	.0054	.008	.007	.007
%RSD	.5031	.8766	128.5	.5414	.7552	.7356	.6889

#1	.4988	1.056	.0349	.9930	1.024	1.002	1.026
#2	.4988	1.073	.0013	.9838	1.012	.9949	1.030
#3	.5041	1.077	.0585	.9953	1.029	1.012	1.042
#4	.5007	1.073	<.0000	.9947	1.017	.9984	1.031

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.016	1.020	.9886	.9950	1.030	.2498	1.017
SDev	.005	.008	.0072	.0071	.005	.3084	.013
%RSD	.4753	.7560	.7281	.7145	.5238	123.4	1.317

#1	1.015	1.018	.9846	.9944	1.030	<.0000	1.015
#2	1.011	1.013	.9869	.9880	1.022	.6781	1.002
#3	1.015	1.031	.9992	1.005	1.034	.1071	1.035
#4	1.022	1.016	.9837	.9928	1.033	.2498	1.015

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.014	.9703	1.061	1.041	1.038	.9444	<.0000
SDev	.009	.0214	.021	.016	.013	.0323	.1154
%RSD	.8582	2.207	1.994	1.583	1.285	3.419	134.5

#1	1.013	.9387	1.043	1.047	1.019	.9698	<.0000
#2	1.005	.9782	1.084	1.051	1.040	.9023	<.0000
#3	1.026	.9861	1.074	1.047	1.049	.9360	.0092
#4	1.015	.9782	1.043	1.016	1.045	.9697	.0092

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.132	1.015	1.001	1.022
SDev	.006	.112	.006	.006
%RSD	.5044	11.07	.5674	.6111

#1	1.127	1.072	1.003	1.022
#2	1.137	.8901	.9989	1.014
#3	1.127	1.141	1.008	1.029
#4	1.137	.9584	.9949	1.022

Analysis Report

01/18/02 12:15:10 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/18/02 12:13:27

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	.0003	<.0000
SDev	.0007	.0068	.0156	.0016	.0004	.0002	.0022
%RSD	11.31	14.50	24.50	144.6	40.14	48.69	21.72

#1	<.0000	<.0000	<.0000	<.0000	<.0000	.0005	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0004	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	.0002	<.0000
#4	<.0000	<.0000	<.0000	.0013	<.0000	.0002	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0008	.0000	<.0000
SDev	.0008	.0007	.0013	.0004	.0014	.2639	.0120
%RSD	33.30	13.71	22.15	11.11	187.7	12.32	26.89

#1	<.0000	<.0000	<.0000	<.0000	.0004	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0019	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0019	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0178	<.0000	.0039	<.0000	<.0000	<.0000
SDev	.0004	.0079	.0188	.0060	.0173	.0401	.0999
%RSD	116.4	44.39	31.36	152.0	81.05	63.59	343.6

#1	<.0000	.0297	<.0000	.0003	<.0000	<.0000	.0148
#2	.0000	.0139	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0139	<.0000	.0069	<.0000	<.0000	<.0000
#4	.0000	.0139	<.0000	.0108	<.0000	<.0000	.0733

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0235	.0436	.0007	.0010
%RSD	12.88	153.8	15.39	57.53

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0286	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

Analysis Report

01/18/02 01:01:18 PM

page 1

Method: IECW Sample Name: 31364

Operator: it

Run Time: 01/18/02 12:59:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0008	.0121	<.0000	5.913
SDev	.0008	.0060	.1100	.0026	.0004	.0001	.024
%RSD	8.786	12.44	195.2	327.8	2.954	36.29	.3983

#1	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	5.893
#2	<.0000	<.0000	<.0000	.0009	.0119	<.0000	5.895
#3	<.0000	<.0000	.0785	.0009	.0126	<.0000	5.920
#4	<.0000	<.0000	<.0000	.0038	.0119	<.0000	5.943

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0302	<.0000	1.244
SDev	.0011	.0007	.0014	.0004	.0023	.2071	.013
%RSD	103.1	12.03	25.00	5.451	7.530	7.685	1.011

#1	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.249
#2	<.0000	<.0000	<.0000	<.0000	.0329	<.0000	1.258
#3	<.0000	<.0000	<.0000	<.0000	.0313	<.0000	1.229
#4	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.239

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0306	<.0000	7.420	.0030	<.0000	<.0000	<.0000
SDev	.0007	.0040	.026	.0022	.0215	.0238	.0000
%RSD	2.274	98.54	.3468	75.41	74.34	.33.26	.0577

#1	.0297	<.0000	7.432	.0039	<.0000	<.0000	<.0000
#2	.0312	<.0000	7.387	.0052	<.0000	<.0000	<.0000
#3	.0312	<.0000	7.447	.0026	<.0000	<.0000	<.0000
#4	.0305	<.0000	7.416	.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6252	.0036	<.0000	<.0000
SDev	.0094	.1036	.0010	.0004
%RSD	1.495	2849.	16.04	13.85

#1	.6190	.0264	<.0000	<.0000
#2	.6239	<.0000	<.0000	<.0000
#3	.6388	<.0000	<.0000	<.0000
#4	.6190	.1404	<.0000	<.0000

Analysis Report

01/18/02 01:05:02 PM

page 1

Method: IECW Sample Name: 31364lab dup Operator: it
 Run Time: 01/18/02 13:03:19
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0123 ²¹	<.0000	5.940 ⁵⁹¹³
SDev	.0006	.0056	.0748	.0017	.0004	.0001	.030
%RSD	6.092	10.41	155.9	341.2	3.344	20.99	.5050

#1	<.0000	<.0000	<.0000	.0015	.0126	<.0000	5.926
#2	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	5.931
#3	<.0000	<.0000	.0116	<.0000	.0126	<.0000	5.984
#4	<.0000	<.0000	<.0000	.0004	.0119	<.0000	5.919

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0325 ³⁰²	<.0000	1.239 ¹²⁴⁴
SDev	.0020	.0023	.0006	.0005	.0026	.2190	.021
%RSD	130.6	39.68	9.632	6.115	7.978	7.624	1.698

#1	<.0000	<.0000	<.0000	<.0000	.0298	<.0000	1.239
#2	.0004	<.0000	<.0000	<.0000	.0359	<.0000	1.219
#3	<.0000	<.0000	<.0000	<.0000	.0328	<.0000	1.268
#4	<.0000	<.0000	<.0000	<.0000	.0313	<.0000	1.229

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0308 ³⁰⁶	<.0000	7.434 ¹⁴²⁰	.0030	<.0000	<.0000	<.0000
SDev	.0004	.0050	.044	.0070	.0113	.0319	.0970
%RSD	1.360	55.61	.5855	237.6	26.35	37.84	82.62

#1	.0312	<.0000	7.402	.0118	<.0000	<.0000	<.0000
#2	.0305	<.0000	7.422	.0040	<.0000	<.0000	<.0000
#3	.0312	<.0000	7.498	.0013	<.0000	<.0000	<.0000
#4	.0305	<.0000	7.412	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6523	.0663	<.0000	<.0000
SDev	.0109	.1025	.0004	.0010
%RSD	1.674	154.6	6.007	48.11

#1	.6387	.0036	<.0000	<.0000
#2	.6585	<.0000	<.0000	<.0000
#3	.6633	.2087	<.0000	<.0000
#4	.6486	.0720	<.0000	<.0000

Analysis Report

01/18/02 01:16:55 PM

page 1

Method: IECW Sample Name: 31364spk

Operator: it

Run Time: 01/18/02 13:15:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0097	.2144	.2110	.2498	.2639	.0479	5.892
SDev	.0019	.0031	.0263	.0017	.0004	.0000	.012
%RSD	19.26	1.437	12.46	.6791	.1560	.0000	.2017

#1	.0099	.2122	.1800	.2492	.2642	.0479	5.902
#2	.0123	.2122	.2277	.2521	.2642	.0479	5.902
#3	.0089	.2187	.1990	.2480	.2635	.0479	5.879
#4	.0079	.2144	.2372	.2498	.2635	.0479	5.886

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0996	.0967	.2372	.2440	.2854	<.0000	1.224
SDev	.0017	.0018	.0014	.0010	.0020	.2772	.010
%RSD	1.743	1.881	.5980	.4252	.6856	9.302	.8248

#1	.1016	.0970	.2352	.2444	.2861	<.0000	1.219
#2	.0981	.0970	.2374	.2452	.2846	<.0000	1.236
#3	.1004	.0985	.2379	.2436	.2831	<.0000	1.213
#4	.0981	.0942	.2384	.2428	.2876	<.0000	1.229

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2818	.0878	7.261	.2527	.2068	.1634	.1153
SDev	.0016	.0082	.020	.0088	.0191	.0533	.0560
%RSD	.5731	9.292	.2738	3.463	9.220	32.61	48.57

#1	.2823	.0967	7.237	.2645	.2304	.1129	.1299
#2	.2809	.0927	7.260	.2540	.2133	.1297	.0714
#3	.2838	.0809	7.262	.2475	.1875	.1803	.0714
#4	.2802	.0809	7.286	.2448	.1961	.2308	.1884

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7768	.2081	.0921	.2488
SDev	.0209	.0617	.0011	.0013
%RSD	2.691	29.65	1.234	.5250

#1	.7719	.1169	.0918	.2501
#2	.8064	.2536	.0911	.2494
#3	.7571	.2309	.0918	.2486
#4	.7719	.2308	.0938	.2471

Analysis Report

01/18/02 01:21:23 PM

page 1

Method: IECW Sample Name: 31374

Operator: it

Run Time: 01/18/02 13:19:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0025	.0121	<.0000	5.911
SDev	.0011	.0133	.0196	.0007	.0004	.0001	.039
%RSD	11.40	23.48	201.9	28.70	2.939	20.99	.6679
#1	<.0000	<.0000	<.0000	.0027	.0119	<.0000	5.908
#2	<.0000	<.0000	<.0000	.0027	.0126	<.0000	5.931
#3	<.0000	<.0000	.0118	.0032	.0119	<.0000	5.947
#4	<.0000	<.0000	<.0000	.0015	.0119	<.0000	5.856
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0344	<.0000	1.220
SDev	.0012	.0018	.0014	.0008	.0033	.3070	.022
%RSD	97.92	36.51	21.05	11.02	9.552	9.666	1.810
#1	<.0000	<.0000	<.0000	<.0000	.0359	<.0000	1.219
#2	.0004	<.0000	<.0000	<.0000	.0298	<.0000	1.242
#3	<.0000	<.0000	<.0000	<.0000	.0344	<.0000	1.229
#4	<.0000	<.0000	<.0000	<.0000	.0374	<.0000	1.190
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0343	<.0000	4.192	.0046	<.0000	<.0000	<.0000
SDev	.0004	.0097	.029	.0053	.0254	.0253	.1359
%RSD	1.060	161.8	.6878	114.9	148.8	42.89	263.3
#1	.0341	<.0000	4.197	.0118	<.0000	<.0000	<.0000
#2	.0348	.0059	4.155	.0053	.0077	<.0000	<.0000
#3	.0341	<.0000	4.225	.0013	<.0000	<.0000	<.0000
#4	.0341	<.0000	4.192	.0000	<.0000	<.0000	.1312
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.3861	<.0000	<.0000	<.0000			
SDev	.0246	.0730	.0013	.0004			
%RSD	6.370	201.5	19.95	24.40			
#1	.4021	<.0000	<.0000	<.0000			
#2	.4119	<.0000	<.0000	<.0000			
#3	.3626	.0720	<.0000	<.0000			
#4	.3676	<.0000	<.0000	<.0000			

Analysis Report

01/18/02 01:24:01 PM

page 1

Method: IECW Sample Name: 31375

Operator: it

Run Time: 01/18/02 13:22:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0014	.0121	<.0000	5.891
SDev	.0011	.0079	.0451	.0007	.0004	.0000	.032
%RSD	10.34	13.34	76.90	52.88	2.936	.0000	.5410

#1	<.0000	<.0000	<.0000	.0015	.0119	<.0000	5.898
#2	<.0000	<.0000	<.0000	.0015	.0119	<.0000	5.845
#3	<.0000	<.0000	<.0000	.0004	.0119	<.0000	5.901
#4	<.0000	<.0000	<.0000	.0021	.0126	<.0000	5.919

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	1.219
SDev	.0016	.0015	.0014	.0004	.0026	.2615	.019
%RSD	88.66	25.16	21.86	5.446	9.056	7.147	1.537

#1	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.203
#2	<.0000	<.0000	<.0000	<.0000	.0329	<.0000	1.203
#3	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.236
#4	<.0000	<.0000	<.0000	<.0000	.0268	<.0000	1.236

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0308	<.0000	4.193	.0030	<.0000	<.0000	<.0000
SDev	.0004	.0056	.019	.0020	.0177	.0413	.0146
%RSD	1.364	56.34	.4517	66.01	38.44	57.60	65.40

#1	.0312	<.0000	4.194	.0013	<.0000	<.0000	<.0000
#2	.0305	<.0000	4.166	.0013	<.0000	<.0000	<.0000
#3	.0305	<.0000	4.203	.0039	<.0000	<.0000	<.0000
#4	.0312	<.0000	4.209	.0053	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3959	<.0000	<.0000	<.0000
SDev	.0168	.0753	.0011	.0006
%RSD	4.232	303.7	16.34	43.84

#1	.3972	.0265	<.0000	<.0000
#2	.3725	.0493	<.0000	<.0000
#3	.4119	<.0000	<.0000	<.0000
#4	.4021	<.0000	<.0000	<.0000

Analysis Report

01/18/02 01:26:24 PM

page 1

Method: IECW Sample Name: 31376

Operator: it

Run Time: 01/18/02 13:24:41

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0072	.0101	.0282	<.0000	24.20
SDev	.0009	.0062	.0404	.0003	.0004	.0001	.13
%RSD	9.440	11.27	564.1	3.245	1.442	20.99	.5167

#1	<.0000	<.0000	<.0000	.0104	.0278	<.0000	24.26
#2	<.0000	<.0000	.0454	.0098	.0286	<.0000	24.15
#3	<.0000	<.0000	<.0000	.0098	.0279	<.0000	24.06
#4	<.0000	<.0000	.0357	.0104	.0285	<.0000	24.34

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0732	<.0000	8.084
SDev	.0003	.0016	.0013	.0008	.0028	.3075	.048
%RSD	18.74	23.19	31.38	10.90	3.802	18.05	.5953

#1	<.0000	<.0000	<.0000	<.0000	.0762	<.0000	8.073
#2	<.0000	<.0000	<.0000	<.0000	.0717	<.0000	8.125
#3	<.0000	<.0000	<.0000	<.0000	.0748	<.0000	8.021
#4	<.0000	<.0000	<.0000	<.0000	.0702	<.0000	8.118

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1046	<.0000	27.38	.0022	<.0000	<.0000	<.0000
SDev	.0004	.0050	.07	.0097	.0129	.0000	.1420
%RSD	.4010	143.7	.2433	432.9	34.37	.0594	143.8

#1	.1049	<.0000	27.37	<.0000	<.0000	<.0000	<.0000
#2	.1049	.0015	27.34	.0114	<.0000	<.0000	.0401
#3	.1042	<.0000	27.32	<.0000	<.0000	<.0000	<.0000
#4	.1042	<.0000	27.47	.0088	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.219	.0610	<.0000	<.0000
SDev	.019	.0832	.0008	.0013
%RSD	1.559	136.3	15.14	67.01

#1	1.233	.1066	<.0000	<.0000
#2	1.208	.1521	<.0000	<.0000
#3	1.198	<.0000	<.0000	<.0000
#4	1.238	.0154	<.0000	<.0000

Analysis Report

01/18/02 01:47:58 PM

page 1

Method: IECW Sample Name: 31378

Run Time: 01/18/02 13:46:14

Operator: it

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0005	.0119	<.0000	5.888
SDev	.0016	.0038	.0523	.0016	.0000	.0001	.035
%RSD	16.58	7.227	309.0	312.5	.0272	16.67	.5895

#1	<.0000	<.0000	.0117	<.0000	.0119	<.0000	5.840
#2	<.0000	<.0000	<.0000	.0015	.0119	<.0000	5.923
#3	<.0000	<.0000	<.0000	.0021	.0119	<.0000	5.894
#4	<.0000	<.0000	.0213	<.0000	.0119	<.0000	5.894

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	1.230
SDev	.0021	.0014	.0011	.0017	.0020	.3386	.004
%RSD	115.7	23.40	17.62	22.46	6.734	10.90	.3321

#1	<.0000	<.0000	<.0000	<.0000	.0298	<.0000	1.226
#2	<.0000	<.0000	<.0000	<.0000	.0313	<.0000	1.229
#3	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.236
#4	<.0000	<.0000	<.0000	<.0000	.0268	<.0000	1.229

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0310	<.0000	4.193	.0053	<.0000	<.0000	<.0000
SDev	.0007	.0040	.013	.0011	.0061	.0443	.0805
%RSD	2.247	49.66	.3065	20.34	15.34	52.56	64.57

#1	.0312	<.0000	4.186	.0053	<.0000	<.0000	<.0000
#2	.0319	<.0000	4.205	.0039	<.0000	<.0000	<.0000
#3	.0305	<.0000	4.201	.0053	<.0000	<.0000	<.0000
#4	.0305	<.0000	4.178	.0066	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3996	<.0000	<.0000	<.0000
SDev	.0094	.0842	.0003	.0006
%RSD	2.362	1090.	5.079	43.89

#1	.3922	<.0000	<.0000	<.0000
#2	.3922	.0264	<.0000	<.0000
#3	.4021	<.0000	<.0000	<.0000
#4	.4119	.0948	<.0000	<.0000

Analysis Report

01/18/02 01:50:21 PM

page 1

Method: IECW Sample Name: 31379

Run Time: 01/18/02 13:48:38

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0011	.0119	<.0000	5.906
SDev	.0007	.0032	.0282	.0009	.0000	.0001	.029
%RSD	7.333	5.731	194.7	79.52	.0246	16.67	.4892

#1	<.0000	<.0000	<.0000	.0015	.0119	<.0000	5.933
#2	<.0000	<.0000	<.0000	.0015	.0119	<.0000	5.873
#3	<.0000	<.0000	.0022	.0015	.0119	<.0000	5.928
#4	<.0000	<.0000	.0165	<.0000	.0119	<.0000	5.891

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	1.219
SDev	.0011	.0016	.0017	.0004	.0020	.0939	.014
%RSD	54.45	28.01	32.46	5.755	6.726	2.963	1.138

#1	<.0000	<.0000	<.0000	<.0000	.0314	<.0000	1.213
#2	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.203
#3	<.0000	<.0000	<.0000	<.0000	.0298	<.0000	1.236
#4	<.0000	<.0000	<.0000	<.0000	.0268	<.0000	1.223

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0306	<.0000	4.178	.0072	<.0000	<.0000	<.0000
SDev	.0004	.0069	.033	.0039	.0116	.0374	.0774
%RSD	1.188	86.04	.8014	54.39	32.96	63.30	87.75

#1	.0312	<.0000	4.164	.0026	<.0000	<.0000	<.0000
#2	.0305	<.0000	4.162	.0105	<.0000	<.0000	<.0000
#3	.0305	<.0000	4.229	.0053	<.0000	<.0000	<.0000
#4	.0305	<.0000	4.159	.0105	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4329	<.0000	<.0000	<.0000
SDev	.0136	.0218	.0007	.0016
%RSD	3.132	45.87	9.443	116.1

#1	.4416	<.0000	<.0000	<.0000
#2	.4169	<.0000	<.0000	<.0000
#3	.4464	<.0000	<.0000	.0001
#4	.4267	<.0000	<.0000	<.0000

Analysis Report

01/18/02 01:55:54 PM

page 1

Method: IECW Sample Name: 31380

Operator: it

Run Time: 01/18/02 13:54:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0812	.0120	.0284	<.0000	24.35
SDev	.0010	.0079	.0400	.0011	.0003	.0001	.16
%RSD	10.30	13.47	49.30	9.117	1.218	20.99	.6395

#1	<.0000	<.0000	.0933	.0121	.0285	<.0000	24.56
#2	<.0000	<.0000	.0836	.0127	.0278	<.0000	24.18
#3	<.0000	<.0000	.1217	.0127	.0285	<.0000	24.33
#4	<.0000	<.0000	.0263	.0104	.0285	<.0000	24.35

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0736	<.0000	8.108
SDev	.0007	.0019	.0009	.0005	.0026	.2816	.048
%RSD	105.8	29.41	26.31	5.789	3.533	14.68	.5866

#1	<.0000	<.0000	<.0000	<.0000	.0747	<.0000	8.157
#2	.0000	<.0000	<.0000	<.0000	.0763	<.0000	8.053
#3	<.0000	<.0000	<.0000	<.0000	.0701	<.0000	8.138
#4	<.0000	<.0000	<.0000	<.0000	.0732	<.0000	8.086

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0927	<.0000	27.32	.0084	<.0000	<.0000	.0621
SDev	.0004	.0059	.15	.0027	.0182	.0275	.0603
%RSD	.3934	79.96	.5333	32.08	81.28	70.46	97.10

#1	.0926	<.0000	27.51	.0048	<.0000	<.0000	.1279
#2	.0926	<.0000	27.17	.0114	<.0000	<.0000	.0109
#3	.0926	<.0000	27.33	.0088	<.0000	<.0000	.0986
#4	.0933	<.0000	27.26	.0088	<.0000	<.0000	.0109

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.207	.1122	<.0000	<.0000
SDev	.030	.0600	.0008	.0010
%RSD	2.500	53.45	12.05	49.26

#1	1.208	.0609	<.0000	<.0000
#2	1.169	.1978	<.0000	<.0000
#3	1.242	.0837	<.0000	<.0000
#4	1.208	.1066	<.0000	<.0000

Analysis Report

01/18/02 02:00:07 PM

page 1

Method: IECW Sample Name: 31401

Run Time: 01/18/02 13:58:23

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0028	.0123	<.0000	5.946
SDev	.0010	.0078	.0113	.0010	.0004	.0001	.043
%RSD	10.60	13.63	116.8	34.97	3.341	20.99	.7208

#1	<.0000	<.0000	<.0000	.0015	.0119	<.0000	5.930
#2	<.0000	<.0000	<.0000	.0027	.0126	<.0000	5.929
#3	<.0000	<.0000	.0022	.0032	.0126	<.0000	6.009
#4	<.0000	<.0000	<.0000	.0038	.0119	<.0000	5.914

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0313	<.0000	1.235
SDev	.0017	.0006	.0026	.0012	.0025	.2566	.006
%RSD	125.0	8.858	40.27	15.49	7.910	7.856	.4978

#1	.0004	<.0000	<.0000	<.0000	.0313	<.0000	1.226
#2	<.0000	<.0000	<.0000	<.0000	.0313	<.0000	1.239
#3	<.0000	<.0000	<.0000	<.0000	.0283	<.0000	1.236
#4	<.0000	<.0000	<.0000	<.0000	.0344	<.0000	1.239

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0299	<.0000	7.698	.0043	<.0000	<.0000	<.0000
SDev	.0007	.0038	.044	.0029	.0203	.0253	.0477
%RSD	2.331	75.84	.5666	67.94	67.65	42.86	36.15

#1	.0305	<.0000	7.708	.0053	<.0000	<.0000	<.0000
#2	.0297	<.0000	7.724	.0053	<.0000	<.0000	<.0000
#3	.0305	<.0000	7.727	.0066	<.0000	<.0000	<.0000
#4	.0290	<.0000	7.634	.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6523	<.0000	<.0000	<.0000
SDev	.0186	.1010	.0004	.0007
%RSD	2.854	1306.	5.442	36.68

#1	.6536	.0265	<.0000	<.0000
#2	.6387	.0720	<.0000	<.0000
#3	.6782	<.0000	<.0000	<.0000
#4	.6387	.0264	<.0000	<.0000

Analysis Report

01/18/02 02:03:38 PM

page 1

Method: IECW Sample Name: 31402

Operator: it

Run Time: 01/18/02 14:01:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	5.889
SDev	.0014	.0059	.0372	.0018	.0000	.0001	.045
%RSD	13.03	9.185	513.8	2573.	.0410	16.67	.7718

#1	<.0000	<.0000	.0214	.0015	.0119	<.0000	5.904
#2	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	5.904
#3	<.0000	<.0000	.0167	.0015	.0119	<.0000	5.926
#4	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	5.823

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0325	<.0000	1.225
SDev	.0009	.0024	.0022	.0008	.0023	.2161	.017
%RSD	1428.	35.79	32.25	9.399	6.978	6.179	1.392

#1	.0004	<.0000	<.0000	<.0000	.0344	<.0000	1.236
#2	.0004	<.0000	<.0000	<.0000	.0313	<.0000	1.229
#3	.0004	<.0000	<.0000	<.0000	.0344	<.0000	1.236
#4	<.0000	<.0000	<.0000	<.0000	.0298	<.0000	1.200

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0294	<.0000	6.902	.0062	<.0000	<.0000	<.0000
SDev	.0004	.0081	.049	.0045	.0193	.0288	.0936
%RSD	1.427	91.13	.7055	71.46	47.56	85.33	115.8

#1	.0297	<.0000	6.871	.0000	<.0000	<.0000	<.0000
#2	.0290	<.0000	6.898	.0079	<.0000	<.0000	<.0000
#3	.0297	<.0000	6.972	.0066	<.0000	<.0000	<.0000
#4	.0290	<.0000	6.867	.0105	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6351	<.0000	<.0000	<.0000
SDev	.0186	.0671	.0009	.0011
%RSD	2.928	351.0	12.73	49.41

#1	.6289	.0264	<.0000	<.0000
#2	.6585	.0492	<.0000	<.0000
#3	.6387	<.0000	<.0000	<.0000
#4	.6142	<.0000	<.0000	<.0000

Analysis Report

01/18/02 02:05:59 PM

page 1

Method: IECW Sample Name: 31403

Run Time: 01/18/02 14:04:16

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0025	.0121	<.0000	5.953
SDev	.0009	.0108	.1056	.0014	.0004	.0001	.018
%RSD	9.034	16.79	196.4	54.20	2.944	16.67	.2971

#1	<.0000	<.0000	<.0000	.0027	.0126	<.0000	5.967
#2	<.0000	<.0000	<.0000	.0044	.0119	<.0000	5.967
#3	<.0000	<.0000	.0595	.0015	.0119	<.0000	5.950
#4	<.0000	<.0000	.0120	.0015	.0119	<.0000	5.930

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0382	<.0000	1.216
SDev	.0005	.0019	.0019	.0012	.0009	.3888	.014
%RSD	60.33	27.36	25.98	89.24	2.300	10.89	1.154

#1	<.0000	<.0000	<.0000	<.0000	.0374	<.0000	1.236
#2	<.0000	<.0000	<.0000	<.0000	.0374	<.0000	1.203
#3	<.0000	<.0000	<.0000	<.0000	.0389	<.0000	1.216
#4	<.0000	<.0000	<.0000	<.0000	.0389	<.0000	1.210

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0217	<.0000	7.265	.0030	<.0000	<.0000	<.0000
SDev	.0006	.0050	.031	.0029	.0108	.0292	.0805
%RSD	2.736	55.68	.4322	97.82	37.39	46.21	84.37

#1	.0217	<.0000	7.241	.0000	<.0000	<.0000	<.0000
#2	.0225	<.0000	7.241	.0013	<.0000	<.0000	<.0000
#3	.0217	<.0000	7.307	.0066	<.0000	<.0000	<.0000
#4	.0210	<.0000	7.270	.0040	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6006	<.0000	<.0000	<.0000
SDev	.0102	.0644	.0011	.0006
%RSD	1.695	337.2	17.34	94.77

#1	.5894	.0264	<.0000	.0001
#2	.5994	<.0000	<.0000	<.0000
#3	.6141	.0265	<.0000	<.0000
#4	.5993	<.0000	<.0000	<.0000

Analysis Report

01/18/02 02:08:41 PM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/18/02 14:06:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	.4807	.9700	.0218	.9672	1.016	.9770	.9794
SDev	.0024	.0111	.0564	.0013	.001	.0027	.0019
%RSD	.5041	1.141	258.7	.1329	.1464	.2743	.1892

#1	.4774	.9580	<.0000	.9677	1.014	.9730	.9768
#2	.4813	.9722	.0839	.9682	1.017	.9782	.9810
#3	.4808	.9841	.0550	.9653	1.016	.9785	.9801
#4	.4833	.9656	<.0000	.9677	1.018	.9783	.9797

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K17664	Mg2790
Avge	.9951	.9810	.9516	.9816	1.007	<.0000	.8862
SDev	.0022	.0040	.0040	.0039	.006	.1985	.0067
%RSD	.2175	.4127	.4171	.4012	.5766	5.089	.7553

#1	.9975	.9763	.9463	.9767	1.005	<.0000	.8788
#2	.9951	.9862	.9536	.9816	.9994	<.0000	.8821
#3	.9922	.9805	.9554	.9816	1.012	<.0000	.8918
#4	.9957	.9812	.9509	.9864	1.012	<.0000	.8918

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9863	.9289	.9503	.9944	.9408	.8942	.0096
SDev	.0035	.0131	.0216	.0076	.0239	.0524	.0792
%RSD	.3514	1.412	2.270	.7637	2.537	5.858	822.0

#1	.9812	.9150	.9362	.9925	.9119	.8184	<.0000
#2	.9885	.9269	.9810	.9846	.9505	.9026	.1266
#3	.9885	.9269	.9499	1.002	.9677	.9194	<.0000
#4	.9871	.9467	.9343	.9990	.9333	.9363	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7022	1.147	.9730	.9955
SDev	.0203	.132	.0031	.0080
%RSD	2.887	11.51	.3139	.8090

#1	.6838	1.004	.9720	.9873
#2	.7084	1.323	.9700	.9926
#3	.7281	1.118	.9726	.9957
#4	.6887	1.141	.9772	1.006

Analysis Report

01/18/02 02:11:36 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/18/02 14:09:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	<.0000	<.0000	.0006	<.0000
SDev	.0020	.0112	.0411	.0019	.0004	.0003	.0021
%RSD	23.35	16.66	67.20	78.42	28.66	41.90	28.85

#1	<.0000	<.0000	<.0000	.0002	<.0000	.0010	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0006	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	.0004	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	.0004	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0004	<.0000	<.0000
SDev	.0011	.0008	.0008	.0008	.0028	.3748	.0093
%RSD	745.6	16.64	11.79	23.53	691.6	11.20	15.12

#1	.0010	<.0000	<.0000	<.0000	.0019	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0034	<.0000	<.0000
#3	.0004	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	<.0000	.0258	<.0000	.0056	<.0000	<.0000	<.0000
SDev	.0004	.0102	.0078	.0053	.0078	.0443	.0769
%RSD	204.7	39.65	20.95	95.77	19.83	105.6	45.82

#1	.0000	.0376	<.0000	.0095	<.0000	<.0000	<.0000
#2	.0000	.0297	<.0000	.0017	<.0000	<.0000	<.0000
#3	<.0000	.0139	<.0000	.0003	<.0000	<.0000	<.0000
#4	.0000	.0218	<.0000	.0108	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	<.0000	<.0000	<.0000	<.0000
SDev	.0124	.0860	.0015	.0013
%RSD	4.303	189.4	25.35	716.0

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	.0017
#4	<.0000	.0514	<.0000	<.0000