

1/2/02 control

30128

30129

30130

IPC+CB

LFB+LRB

30126 + Lab Dup + s/h

30131

30144

30146

30188

30189

30190

30191

30192

30193

IPC+CB

TCLP BIK

3 TCLP STD

TCLP Qe + Dig. BIK

29820 + Dup + s/h

TCLP Qe + BIK

22

1/3/02

WTC samples

BIK

29255

SSTD

29289

IPC+CB

29280

LFB+LRB

29291

29022 + Lab Dup + s/h

29027

IPC+CB

29028

29135

29136

29137

29138

29139

29140

29141

IPC+CB

29229 + Lab Dup + s/h

29230

29231

29232

29233

29234

Reviewed by,
E/S 3/14/02

Standardization Rpt.

01/03/02 09:12:33 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 01/03/02 09:10:50

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.301	3.710	.4450	.2590	.1425	.1880	3.852
SDev	.003	.006	.0139	.0020	.0010	.0000	.017
%RSD	.2626	.1669	3.125	.7722	.7018	.0000	.4373

#1	1.296	3.710	.4280	.2600	.1440	.1880	3.832
#2	1.300	3.718	.4460	.2600	.1420	.1880	3.870
#3	1.302	3.704	.4440	.2600	.1420	.1880	3.844
#4	1.304	3.706	.4620	.2560	.1420	.1880	3.860

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2580	2.401	.9150	.5650	.0025	5.399	1.250
SDev	.0052	.008	.0042	.0020	.0030	.013	.005
%RSD	2.002	.3494	.4550	.3540	120.0	.2389	.4131

#1	.2520	2.398	.9140	.5640	.0060	5.394	1.248
#2	.2640	2.400	.9160	.5640	.0040	5.384	1.252
#3	.2600	2.392	.9100	.5640	.0000	5.408	1.244
#4	.2560	2.412	.9200	.5680	.0000	5.412	1.256

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0880	.1230	1.847	.4455	.7005	.1415	.1230
SDev	.0016	.0020	.013	.0092	.0109	.0010	.0066
%RSD	1.856	1.626	.6928	2.053	1.553	.7067	5.393

#1	.0860	.1220	1.864	.4440	.7040	.1400	.1140
#2	.0880	.1220	1.848	.4480	.7120	.1420	.1240
#3	.0880	.1220	1.838	.4340	.7000	.1420	.1300
#4	.0900	.1260	1.836	.4560	.6860	.1420	.1240

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.052	.1370	.6595	.1475
SDev	.006	.0100	.0010	.0010
%RSD	.5377	7.299	.1516	.6780

#1	1.052	.1480	.6600	.1460
#2	1.048	.1240	.6580	.1480
#3	1.048	.1400	.6600	.1480
#4	1.060	.1360	.6600	.1480

Standardization Rpt.

01/03/02 09:30:12 AM

page 1

Method: IECW Standard: STD6

Run Time: 01/03/02 09:28:48

Elem Ag3280

Avge 42.61

SDev .10

%RSD .2268

#1 42.58

#2 42.65

#3 42.49

#4 42.71

Standardization Rpt.

01/03/02 09:35:26 AM

page 1

Method: IECW Standard: STD3
Run Time: 01/03/02 09:33:43



Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	22.36	215.6	13.11	5.672	12.24	15.26	1.421
SDev	.10	1.0	.06	.026	.05	.09	.015
%RSD	.4319	.4507	.4403	.4609	.3706	.5942	1.086

#1	22.28	215.5	13.13	5.652	12.22	15.31	1.422
#2	22.44	216.0	13.13	5.698	12.31	15.22	1.436
#3	22.45	216.6	13.17	5.692	12.21	15.35	1.400
#4	22.27	214.4	13.03	5.648	12.23	15.15	1.428

Elem	Tl1908
Avge	1.118
SDev	.004
%RSD	.3578

#1	1.116
#2	1.124
#3	1.116
#4	1.116

Standardization Rpt.

01/03/02 10:05:07 AM

page 1

Method: IECW Standard: STD4

Run Time: 01/03/02 10:03:45

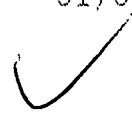
Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	5.128	35.35	43.70	.9170	5.219
SDev	.074	.12	.07	.0062	.007
%RSD	1.441	.3381	.1587	.6781	.1304
#1	5.184	35.33	43.68	.9100	5.218
#2	5.020	35.37	43.69	.9140	5.228
#3	5.140	35.20	43.64	.9200	5.212
#4	5.166	35.49	43.80	.9240	5.216

Standardization Rpt.

01/03/02 10:07:34 AM

page 1

Method: IECW Standard: STD2
Run Time: 01/03/02 10:06:12



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	28.42	88.35	35.32	121.9	26.18	11.05	7.461
SDev	.05	.17	.18	.2	.05	.02	.022
%RSD	.1764	.1929	.5140	.1906	.2093	.1410	.2972

#1	28.41	88.40	35.48	122.0	26.17	11.04	7.460
#2	28.45	88.14	35.24	121.6	26.19	11.05	7.464
#3	28.48	88.55	35.47	122.2	26.24	11.07	7.486
#4	28.36	88.31	35.11	121.8	26.11	11.04	7.432

Elem	Mn2576	Pb2203	Zn2138
Avge	27.66	5.354	27.82
SDev	.07	.034	.06
%RSD	.2704	.6412	.2158

#1	27.68	5.396	27.81
#2	27.64	5.352	27.81
#3	27.75	5.356	27.89
#4	27.57	5.312	27.75

Standardization Rpt.

01/03/02 10:09:37 AM

page 1

Method: IECW Standard: STD5

Run Time: 01/03/02 10:08:15

Elem	V_2924
Avge	30.58
SDev	.13
%RSD	.4090

#1	30.59
#2	30.76
#3	30.49
#4	30.50

Analysis Report

01/03/02 10:30:32 AM

page 1

Method: IECW Sample Name: ipc
 Run Time: 01/03/02 10:28:39
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4887	1.042	<.0000	.9965	1.001	.9923	1.010
SDev	.0028	.011	.0439	.0036	.004	.0042	.003
%RSD	.5667	1.041	1027.	.3571	.4279	.4197	.2560
#1	.4887	1.028	.0088	.9944	1.003	.9922	1.009
#2	.4887	1.045	<.0000	.9927	1.004	.9950	1.010
#3	.4853	1.054	.0514	.9990	.9946	.9865	1.008
#4	.4921	1.040	<.0000	1.000	1.002	.9956	1.014
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.002	1.003	.9936	.9721	1.019	.0269	.9703
SDev	.009	.003	.0031	.0038	.006	.2943	.0205
%RSD	.9257	.3063	.3148	.3938	.5510	1096.	2.118
#1	1.003	1.002	.9926	.9705	1.020	<.0000	.9711
#2	1.004	1.008	.9977	.9752	1.020	.1253	.9775
#3	.9892	1.001	.9903	.9674	1.012	.1969	.9419
#4	1.011	1.003	.9940	.9752	1.026	.1969	.9905
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9993	.9518	1.019	1.024	1.021	.9347	.0326
SDev	.0039	.0152	.019	.002	.011	.0446	.0560
%RSD	.3947	1.592	1.856	.1981	1.111	4.773	171.8
#1	1.002	.9310	1.004	1.023	1.022	.9347	.0894
#2	1.002	.9563	1.043	1.022	1.031	.9031	<.0000
#3	.9937	.9672	1.004	1.026	1.026	.9031	.0641
#4	.9995	.9527	1.027	1.026	1.005	.9978	.0136
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	1.119	1.024	.9979	1.003			
SDev	.011	.069	.0049	.004			
%RSD	1.012	6.691	.4923	.4343			
#1	1.115	1.065	.9999	1.006			
#2	1.131	1.044	1.001	1.001			
#3	1.105	.9221	.9906	.9987			
#4	1.126	1.065	1.001	1.008			

Analysis Report

01/03/02 10:33:07 AM

page 1

Method: IECW Sample Name: cb
 Run Time: 01/03/02 10:31:21
 Comment:
 Mode: CDNC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0011	.0022	<.0000	<.0000	.0002	.0003	.0012
SDev	.0006	.0044	.0341	.0036	.0000	.0002	.0011
%RSD	55.92	205.8	77.42	191.1	.1401	76.92	86.53

#1	.0002	.0024	<.0000	.0033	.0002	.0006	<.0000
#2	.0012	<.0000	<.0000	<.0000	.0002	.0003	.0007
#3	.0012	.0078	<.0000	<.0000	.0002	.0002	.0021
#4	.0017	.0013	<.0000	<.0000	.0002	.0000	.0021

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0016	<.0000	.0037	.0004	.6086	.0097
SDev	.0027	.0011	.0008	.0008	.0020	.2138	.0084
%RSD	471.4	65.70	169.5	20.16	520.4	35.13	86.07

#1	<.0000	.0009	<.0000	.0039	<.0000	.4117	.0194
#2	<.0000	.0012	<.0000	.0047	.0027	.5549	.0130
#3	<.0000	.0012	<.0000	.0031	.0011	.5549	.0065
#4	.0033	.0032	.0006	.0031	<.0000	.9128	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0007	.0190	.0299	<.0000	.0065	<.0000	<.0000
SDev	.0000	.0112	.0029	.0067	.0159	.0198	.0326
%RSD	.0751	59.23	9.677	654.9	246.5	502.0	73.77

#1	.0007	.0352	.0314	.0054	.0173	<.0000	<.0000
#2	.0007	.0172	.0333	<.0000	.0000	<.0000	<.0000
#3	.0007	.0099	.0275	.0041	.0216	.0236	<.0000
#4	.0007	.0136	.0275	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0410	.0356	.0010	<.0000
SDev	.0162	.0420	.0011	.0012
%RSD	39.56	117.9	109.0	681.4

#1	.0205	.0305	.0010	<.0000
#2	.0512	.0305	.0010	.0011
#3	.0564	<.0000	<.0000	.0004
#4	.0359	.0916	.0023	<.0000

Analysis Report

01/03/02 10:45:04 AM

page 1

Method: IECW Sample Name: lfb
 Run Time: 01/03/02 10:43:12
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0195	.2553	.2421	.2471	.2465	.0482	.0060
SDev	.0011	.0075	.0282	.0017	.0012	.0002	.0021
%RSD	5.509	2.938	11.65	.6790	.4899	.4815	35.52
#1	.0182	.2483	.2518	.2471	.2449	.0480	.0028
#2	.0191	.2624	.2175	.2454	.2463	.0481	.0073
#3	.0201	.2494	.2775	.2465	.2478	.0485	.0068
#4	.0206	.2613	.2216	.2494	.2470	.0482	.0071
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1018	.1018	.2478	.2456	.2563	<.0000	<.0000
SDev	.0031	.0014	.0016	.0013	.0036	.2469	.0062
%RSD	3.012	1.346	.6436	.5434	1.406	26.28	54.27
#1	.0980	.1012	.2457	.2438	.2513	<.0000	<.0000
#2	.1037	.1002	.2475	.2454	.2559	<.0000	<.0000
#3	.1008	.1030	.2485	.2469	.2590	<.0000	<.0000
#4	.1048	.1028	.2494	.2462	.2590	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2513	.0866	.0449	.2535	.2609	.1844	.2449
SDev	.0021	.0018	.0102	.0064	.0075	.0079	.0898
%RSD	.8330	2.090	22.78	2.520	2.863	4.268	36.68
#1	.2488	.0857	.0313	.2447	.2544	.1805	.1944
#2	.2510	.0857	.0429	.2583	.2674	.1805	.1439
#3	.2539	.0893	.0507	.2583	.2544	.1805	.3206
#4	.2517	.0857	.0545	.2529	.2674	.1963	.3206
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	.2550	.2589	.0966	.2507			
SDev	.0207	.0693	.0009	.0031			
%RSD	8.098	26.76	.9788	1.232			
#1	.2255	.2538	.0966	.2469			
#2	.2563	.1927	.0953	.2498			
#3	.2665	.3556	.0973	.2519			
#4	.2716	.2334	.0973	.2541			

Analysis Report

01/03/02 10:47:55 AM

page 1

Method: IECW Sample Name: lrp

Operator: it

Run Time: 01/03/02 10:46:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0001	.0051	<.0000	<.0000	<.0000	<.0000	.0014
SDev	.0012	.0051	.0428	.0021	.0003	.0000	.0025
%RSD	1000.	99.46	331.2	88.20	77560.	.0000	175.7
#1	<.0000	.0014	<.0000	<.0000	.0002	<.0000	.0017
#2	.0017	.0057	.0321	<.0000	.0002	<.0000	.0035
#3	.0002	.0121	<.0000	<.0000	<.0000	<.0000	.0026
#4	<.0000	.0014	.0150	<.0000	.0002	<.0000	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0005	.0009	.0006	<.0000	.4475	.0065
SDev	.0017	.0014	.0015	.0008	.0020	.3471	.0106
%RSD	63.15	247.4	160.3	127.6	73.62	77.56	163.3
#1	<.0000	.0000	<.0000	.0000	<.0000	.2327	<.0000
#2	<.0000	<.0000	.0020	.0016	<.0000	.8412	.0194
#3	<.0000	.0015	<.0000	.0008	<.0000	.6265	.0065
#4	<.0000	.0017	.0025	.0000	<.0000	.0895	.0065
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0005	<.0000	.0439	<.0000	<.0000	<.0000	<.0000
SDev	.0004	.0063	.0071	.0067	.0050	.0302	.0253
%RSD	66.71	62.99	16.25	178.9	357600.	191.3	57.15
#1	.0007	<.0000	.0391	<.0000	<.0000	<.0000	<.0000
#2	.0007	<.0000	.0546	.0027	.0043	.0236	<.0000
#3	<.0000	<.0000	.0410	.0014	<.0000	<.0000	<.0000
#4	.0007	<.0000	.0410	<.0000	.0043	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.0769	.0407	.0000	<.0000			
SDev	.0132	.0823	.0012	.0000			
%RSD	17.19	202.1	478500.	.1833			
#1	.0615	<.0000	<.0000	<.0000			
#2	.0922	<.0000	.0017	<.0000			
#3	.0820	.0509	<.0000	<.0000			
#4	.0717	.1527	<.0000	<.0000			

Analysis Report

01/03/02 11:06:08 AM

page 1

Method: IECW Sample Name: 29022

Operator: it

Run Time: 01/03/02 11:04:25

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0022	.0098	<.0000	.0137	<.0000	5.934
SDev	.0011	.0085	.0182	.0015	.0000	.0001	.018
%RSD	90.64	383.7	185.7	232.5	.0159	19.25	.3061

#1	<.0000	<.0000	<.0000	.0001	.0137	<.0000	5.912
#2	<.0000	.0027	.0355	<.0000	.0137	<.0000	5.950
#3	.0001	.0114	.0054	.0006	.0137	<.0000	5.947
#4	<.0000	.0038	.0055	<.0000	.0137	<.0000	5.927

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0009	.0006	<.0000	.0197	<.0000	1.293
SDev	.0010	.0015	.0010	.0008	.0019	.4797	.012
%RSD	504.6	156.5	153.7	145.8	9.768	255.3	.9481

#1	<.0000	<.0000	.0008	<.0000	.0216	<.0000	1.275
#2	.0009	.0004	<.0000	<.0000	.0170	<.0000	1.301
#3	.0004	.0025	.0017	<.0000	.0201	.4117	1.295
#4	<.0000	.0017	.0007	<.0000	.0201	<.0000	1.301

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0242	<.0000	7.489	<.0000	.0054	<.0000	<.0000
SDev	.0004	.0042	.043	.0040	.0188	.0158	.0242
%RSD	1.733	27.02	.5720	99.90	348.2	7323.	62.84

#1	.0246	<.0000	7.518	<.0000	.0216	<.0000	<.0000
#2	.0238	<.0000	7.530	<.0000	<.0000	.0234	<.0000
#3	.0246	<.0000	7.437	<.0000	.0216	<.0000	<.0000
#4	.0238	<.0000	7.472	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.042	<.0000	<.0000	<.0000
SDev	.009	.0673	.0013	.0004
%RSD	.8395	926.5	125.6	464.1

#1	1.038	.0691	<.0000	<.0000
#2	1.053	.0284	<.0000	.0003
#3	1.043	<.0000	.0009	.0003
#4	1.033	<.0000	<.0000	<.0000

Analysis Report

01/03/02 11:10:00 AM

page 1

Method: IECW Sample Name: 29022lab dup

Operator: it

Run Time: 01/03/02 11:08:17

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0011 ^{or}	<.0000	<.0000	.0137 ¹³⁷	<.0000	5.939 ⁵⁹³⁹
SDev	.0008	.0032	.0275	.0024	.0000	.0001	.010
%RSD	57.98	287.0	2953.	663.3	.0053	13.33	.1704

#1	<.0000	.0038	<.0000	<.0000	.0137	<.0000	5.929
#2	<.0000	<.0000	.0227	<.0000	.0137	<.0000	5.942
#3	<.0000	.0038	<.0000	<.0000	.0137	<.0000	5.934
#4	<.0000	<.0000	.0227	.0029	.0137	<.0000	5.952

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0004	<.0000	.0201 ¹¹⁷	<.0000	1.288 ¹²⁸⁸
SDev	.0010	.0008	.0024	.0008	.0033	.1991	.009
%RSD	60.56	308.3	605.5	219.6	16.42	130.8	.7113

#1	<.0000	.0005	<.0000	.0006	.0170	<.0000	1.301
#2	<.0000	<.0000	.0007	<.0000	.0201	<.0000	1.288
#3	<.0000	.0004	.0012	<.0000	.0186	.0537	1.282
#4	<.0000	<.0000	.0026	<.0000	.0247	<.0000	1.282

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0246 ²⁴⁶	<.0000	7.508 ⁷⁴⁸⁹	<.0000	.0162	<.0000	.0120
SDev	.0000	.0018	.016	.0028	.0108	.0079	.0953
%RSD	.0015	11.05	.2072	103.7	66.68	15.34	795.1

#1	.0246	<.0000	7.488	<.0000	.0043	<.0000	<.0000
#2	.0246	<.0000	7.524	<.0000	.0302	<.0000	.0183
#3	.0246	<.0000	7.515	<.0000	.0129	<.0000	.1445
#4	.0246	<.0000	7.507	<.0000	.0173	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.026	.0640	<.0000	<.0000
SDev	.018	.0821	.0009	.0004
%RSD	1.794	128.2	61.68	133.7

#1	1.038	<.0000	<.0000	<.0000
#2	1.023	.0284	<.0000	<.0000
#3	1.002	.1505	<.0000	.0003
#4	1.043	.1098	<.0000	<.0000

Analysis Report

01/03/02 11:20:44 AM

page 1

Method: IECW Sample Name: 29022spk

Operator: it

Run Time: 01/03/02 11:19:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca5179
Avge	.0183	.2527	.2122	.2468	.2557	.0476	5.851
SDev	.0005	.0024	.0719	.0029	.0010	.0002	.016
%RSD	2.644	.9465	33.89	1.178	.3906	.4021	.2651

#1	.0190	.2519	.2852	.2507	.2564	.0479	5.865
#2	.0181	.2562	.2165	.2456	.2557	.0476	5.852
#3	.0181	.2508	.1136	.2439	.2542	.0474	5.829
#4	.0181	.2519	.2337	.2468	.2564	.0476	5.858

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0994	.1001	.2428	.2411	.2710	<.0000	1.256
SDev	.0023	.0023	.0033	.0010	.0036	.3002	.011
%RSD	2.320	2.335	1.356	.4078	1.341	93.18	.8682

#1	.1014	.1008	.2449	.2421	.2718	<.0000	1.269
#2	.0991	.1015	.2440	.2413	.2733	<.0000	1.252
#3	.0962	.1015	.2379	.2413	.2733	<.0000	1.243
#4	.1008	.0966	.2444	.2398	.2657	<.0000	1.259

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2703	.0856	7.395	.2542	.2533	.2237	.2253
SDev	.0021	.0051	.037	.0017	.0143	.0415	.0953
%RSD	.7708	5.974	.4966	.6691	5.626	18.54	42.28

#1	.2719	.0784	7.401	.2539	.2630	.1645	.2443
#2	.2697	.0856	7.372	.2566	.2630	.2591	.2443
#3	.2676	.0892	7.364	.2525	.2544	.2276	.3200
#4	.2719	.0892	7.445	.2539	.2328	.2434	.0929

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.203	.2364	.0960	.2452
SDev	.023	.0916	.0003	.0019
%RSD	1.884	38.74	.3489	.7754

#1	1.217	.2924	.0959	.2468
#2	1.228	.3128	.0959	.2468
#3	1.182	.2314	.0959	.2439
#4	1.187	.1092	.0965	.2432

Analysis Report

01/03/02 11:24:18 AM

page 1

Method: IECW Sample Name: 29027

Operator: it

Run Time: 01/03/02 11:22:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0027	.0355	<.0000	.0134	<.0000	5.948
SDev	.0007	.0044	.0260	.0018	.0004	.0000	.008
%RSD	103.7	160.4	73.21	149.9	3.051	.0000	.1391

#1	<.0000	<.0000	.0613	.0001	.0130	<.0000	5.938
#2	<.0000	.0081	.0311	<.0000	.0137	<.0000	5.946
#3	.0001	.0027	.0484	.0006	.0130	<.0000	5.957
#4	<.0000	.0027	.0012	<.0000	.0137	<.0000	5.953

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0003	.0012	.0086	.0227	<.0000	1.277
SDev	.0009	.0018	.0007	.0008	.0019	.3488	.006
%RSD	245.7	659.8	54.04	8.653	8.441	1299.	.4393

#1	<.0000	<.0000	.0008	.0085	.0247	<.0000	1.272
#2	.0004	.0022	.0022	.0092	.0231	.3401	1.285
#3	.0004	.0005	.0008	.0092	.0231	.1969	1.275
#4	<.0000	.0005	.0012	.0077	.0201	<.0000	1.275

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0258	<.0000	6.919	.0064	.0162	<.0000	<.0000
SDev	.0007	.0029	.046	.0038	.0129	.0129	.0318
%RSD	2.689	19.11	.6671	59.37	79.65	32.46	122.7

#1	.0253	<.0000	6.958	.0091	.0129	<.0000	<.0000
#2	.0267	<.0000	6.871	.0064	<.0000	<.0000	<.0000
#3	.0260	<.0000	6.887	.0010	.0216	<.0000	<.0000
#4	.0253	<.0000	6.958	.0091	.0302	<.0000	.0183

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.046	.0182	<.0000	.0026
SDev	.018	.0204	.0011	.0004
%RSD	1.674	111.8	202.6	13.80

#1	1.023	<.0000	<.0000	.0032
#2	1.043	.0284	<.0000	.0024
#3	1.064	.0284	.0009	.0024
#4	1.053	.0284	<.0000	.0024

Analysis Report

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page 1

Method: IECW Sample Name: 29028
Run Time: 01/03/02 11:24:42
Comment:
Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0111	.0408	.0006	.0137	<.0000	6.011
SDev	.0007	.0069	.0238	.0014	.0000	.0001	.014
%RSD	202.5	62.16	58.38	221.3	.0080	19.25	.2381

#1	.0001	.0103	.0697	<.0000	.0137	<.0000	5.992
#2	<.0000	.0211	.0481	.0001	.0137	<.0000	6.019
#3	<.0000	.0071	.0312	.0018	.0137	<.0000	6.010
#4	.0001	.0060	.0140	.0018	.0137	<.0000	6.024

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0001	.0010	.0069	.0243	<.0000	1.267
SDev	.0029	.0003	.0005	.0000	.0026	.1547	.008
%RSD	268.9	170.7	47.69	.0035	10.73	864.3	.6434

#1	<.0000	.0000	.0008	.0069	.0277	<.0000	1.275
#2	<.0000	.0004	.0008	.0069	.0247	.1969	1.269
#3	.0021	<.0000	.0008	.0069	.0231	<.0000	1.269
#4	<.0000	.0004	.0017	.0069	.0216	<.0000	1.256

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0215	<.0000	7.243	.0010	.0075	<.0000	.0056
SDev	.0004	.0063	.044	.0060	.0108	.0198	.0862
%RSD	1.687	45.87	.6125	574.2	143.0	71.25	1527.

#1	.0216	<.0000	7.254	<.0000	.0086	<.0000	<.0000
#2	.0216	<.0000	7.194	.0078	.0043	<.0000	<.0000
#3	.0216	<.0000	7.225	.0037	.0216	<.0000	.0435
#4	.0209	<.0000	7.298	<.0000	<.0000	<.0000	.0940

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	1.044	.0895	<.0000	.0005
SDev	.018	.0407	.0008	.0007
%RSD	1.719	45.53	367.6	153.5

#1	1.023	.0691	<.0000	<.0000
#2	1.038	.0691	.0009	.0003
#3	1.053	.0691	<.0000	.0010
#4	1.064	.1505	<.0000	.0010

Analysis Report

01/03/02 11:29:02 AM

page 1

Method: IECW Sample Name: 29135

Operator: it

Run Time: 01/03/02 11:27:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0004	.0125	<.0000	<.0000	.0137	<.0000	5.936
SDev	.0017	.0055	.0593	.0015	.0000	.0001	.010
%RSD	424.8	44.15	425.5	136.7	.0091	15.38	.1731

#1	.0026	.0125	<.0000	<.0000	.0137	<.0000	5.942
#2	.0006	.0200	<.0000	<.0000	.0137	<.0000	5.945
#3	<.0000	.0071	.0054	<.0000	.0137	<.0000	5.922
#4	<.0000	.0103	.0611	.0006	.0137	<.0000	5.936

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0018	<.0000	.0231	.3490	1.283
SDev	.0014	.0016	.0010	.0006	.0013	.1990	.006
%RSD	678.4	8016.	53.45	438.5	5.384	57.03	.4831

#1	<.0000	.0014	.0026	<.0000	.0231	.4833	1.282
#2	.0004	.0014	.0012	<.0000	.0247	.5549	1.288
#3	<.0000	<.0000	.0008	.0006	.0231	.1611	1.275
#4	.0015	<.0000	.0026	<.0000	.0216	.1969	1.288

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0236	<.0000	7.449	.0071	.0097	<.0000	.0813
SDev	.0007	.0059	.021	.0063	.0096	.0223	.0955
%RSD	2.939	38.19	.2779	88.44	98.60	93.38	117.4

#1	.0246	<.0000	7.426	<.0000	.0043	<.0000	.1444
#2	.0231	<.0000	7.457	.0051	.0216	<.0000	.1444
#3	.0238	<.0000	7.441	.0091	<.0000	<.0000	<.0000
#4	.0231	<.0000	7.474	.0146	.0129	<.0000	.0940

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.067	<.0000	<.0000	<.0000
SDev	.010	.0823	.0008	.0000
%RSD	.9088	3785.	366.7	.1456

#1	1.053	.0487	.0009	<.0000
#2	1.074	<.0000	<.0000	<.0000
#3	1.074	.0691	<.0000	<.0000
#4	1.069	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29136

Operator: it

Run Time: 01/03/02 11:30:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0000	.0100	.0000	<.0000	.0137	<.0000	5.913
SDev	.0009	.0072	.0515	.0012	.0000	.0001	.009
%RSD	3455.	72.07	264500.	87.44	.0102	15.38	.1502

#1	<.0000	.0028	<.0000	.0001	.0137	<.0000	5.901
#2	.0006	.0200	<.0000	<.0000	.0137	<.0000	5.915
#3	.0001	.0081	.0526	<.0000	.0137	<.0000	5.914
#4	.0006	.0092	.0354	<.0000	.0137	<.0000	5.923

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0002	<.0000	.0185	.0000	1.304
SDev	.0014	.0010	.0017	.0004	.0013	.2556	.013
%RSD	135.1	261.2	1073.	114.8	6.725	6884000.	1.034

#1	<.0000	<.0000	<.0000	<.0000	.0186	<.0000	1.288
#2	.0009	<.0000	.0012	<.0000	.0201	<.0000	1.307
#3	<.0000	.0002	<.0000	<.0000	.0185	.2685	1.301
#4	<.0000	.0005	.0017	<.0000	.0170	.0895	1.320

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0222	<.0000	7.115	.0102	.0065	<.0000	.1381
SDev	.0007	.0080	.036	.0058	.0178	.0325	.0520
%RSD	3.132	55.11	.5012	56.87	275.1	269.4	37.67

#1	.0231	<.0000	7.121	.0091	<.0000	<.0000	.1949
#2	.0224	<.0000	7.157	.0064	.0043	<.0000	.1444
#3	.0216	<.0000	7.070	.0064	.0302	<.0000	.1444
#4	.0216	<.0000	7.113	.0186	.0043	.0234	.0687

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.047	<.0000	<.0000	<.0000
SDev	.019	.0588	.0010	.0012
%RSD	1.849	260.6	437.0	455.3

#1	1.048	<.0000	<.0000	<.0000
#2	1.033	<.0000	.0003	.0003
#3	1.074	.0487	.0009	<.0000
#4	1.033	<.0000	<.0000	.0010

Analysis Report

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page 1

Method: IECW Sample Name: 29138

Operator: it

Run Time: 01/03/02 11:36:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0140	.0341	.0006	.0140	<.0000	6.507
SDev	.0012	.0117	.0239	.0020	.0004	.0001	.009
%RSD	207.2	83.70	69.96	360.3	2.908	19.25	.1421

#1	<.0000	.0091	.0696	<.0000	.0144	<.0000	6.519
#2	<.0000	.0188	.0180	.0023	.0137	<.0000	6.510
#3	<.0000	.0005	.0225	.0006	.0137	<.0000	6.500
#4	.0006	.0275	.0265	.0017	.0144	<.0000	6.500

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0012	.0013	.0084	.0428	.0984	1.497
SDev	.0014	.0018	.0018	.0000	.0033	.2972	.011
%RSD	270.5	147.3	135.5	.0043	7.692	301.9	.7389

#1	<.0000	.0025	.0006	.0084	.0459	<.0000	1.508
#2	.0004	<.0000	.0020	.0084	.0428	.3401	1.495
#3	.0004	<.0000	<.0000	.0084	.0444	<.0000	1.482
#4	<.0000	.0029	.0034	.0084	.0383	.3401	1.502

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0367	<.0000	7.725	.0044	.0129	<.0000	.0434
SDev	.0007	.0047	.028	.0060	.0122	.0298	.0412
%RSD	1.894	34.13	.3682	137.6	94.33	149.1	95.01

#1	.0361	<.0000	7.734	<.0000	.0216	<.0000	<.0000
#2	.0361	<.0000	7.750	.0064	.0129	<.0000	.0433
#3	.0369	<.0000	7.733	.0118	<.0000	<.0000	.0434
#4	.0376	<.0000	7.684	.0010	.0216	.0233	.0938

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.080	<.0000	<.0000	.0012
SDev	.021	.0608	.0008	.0009
%RSD	1.951	217.2	145.7	78.35

#1	1.073	<.0000	.0003	.0010
#2	1.099	.0280	<.0000	.0003
#3	1.053	<.0000	<.0000	.0024
#4	1.094	<.0000	<.0000	.0010

Analysis Report

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page 1

Method: IECW Sample Name: 29139

Operator: it

Run Time: 01/03/02 11:39:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0106	<.0000	<.0000	.0137	<.0000	6.001
SDev	.0007	.0059	.0497	.0019	.0000	.0001	.007
%RSD	202.6	55.56	332.0	520.2	.0050	15.38	.1149

#1	.0001	.0060	.0483	<.0000	.0137	<.0000	6.002
#2	<.0000	.0189	<.0000	<.0000	.0137	<.0000	6.010
#3	<.0000	.0103	.0011	.0001	.0137	<.0000	6.001
#4	.0001	.0071	<.0000	.0018	.0137	<.0000	5.993

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0007	.0006	.0049	.0227	<.0000	1.266
SDev	.0007	.0007	.0015	.0004	.0023	.1461	.007
%RSD	48.20	97.55	235.0	9.147	10.06	62.81	.5672

#1	<.0000	.0002	.0012	.0045	.0247	<.0000	1.275
#2	<.0000	.0009	.0012	.0053	.0201	<.0000	1.262
#3	<.0000	.0002	.0017	.0045	.0247	<.0000	1.259
#4	<.0000	.0017	<.0000	.0053	.0216	<.0000	1.269

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0226	<.0000	7.682	.0051	<.0000	<.0000	.0561
SDev	.0004	.0047	.025	.0047	.0155	.0397	.0862
%RSD	1.608	27.02	.3313	92.01	1429.	247.9	153.6

#1	.0224	<.0000	7.694	.0037	.0216	<.0000	.1445
#2	.0224	<.0000	7.644	.0037	<.0000	.0392	.0435
#3	.0224	<.0000	7.696	.0119	<.0000	<.0000	<.0000
#4	.0231	<.0000	7.694	.0010	<.0000	<.0000	.0940

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.052	<.0000	<.0000	.0006
SDev	.003	.0695	.0006	.0007
%RSD	.2427	308.9	71.38	114.3

#1	1.053	.0691	<.0000	.0010
#2	1.053	<.0000	<.0000	.0010
#3	1.048	<.0000	<.0000	.0010
#4	1.053	<.0000	<.0000	<.0000

Analysis Report

01/03/02 11:43:40 AM

page 1

Method: IECW Sample Name: 29140

Operator: it

Run Time: 01/03/02 11:41:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0111	.0193	<.0000	.0137	<.0000	5.940
SDev	.0020	.0120	.0157	.0009	.0000	.0001	.020
%RSD	344.7	107.7	81.23	56.00	.0173	22.22	.3349

#1	<.0000	.0114	.0182	<.0000	.0137	<.0000	5.926
#2	.0016	.0200	.0181	<.0000	.0137	<.0000	5.943
#3	<.0000	<.0000	.0013	<.0000	.0137	<.0000	5.923
#4	<.0000	.0189	.0396	<.0000	.0137	<.0000	5.966

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0012	.0005	.0085	.0334	<.0000	1.286
SDev	.0007	.0021	.0014	.0006	.0015	.3524	.010
%RSD	149.8	178.8	282.6	7.544	4.365	562.6	.7549

#1	<.0000	<.0000	.0007	.0085	.0323	<.0000	1.282
#2	<.0000	.0040	.0012	.0085	.0323	.1969	1.295
#3	<.0000	.0012	<.0000	.0077	.0338	<.0000	1.275
#4	.0004	<.0000	.0017	.0092	.0353	.2327	1.294

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0329	<.0000	6.967	.0041	.0086	<.0000	<.0000
SDev	.0007	.0018	.012	.0061	.0111	.0302	.0618
%RSD	2.205	16.53	.1774	149.3	129.2	47.64	191.8

#1	.0325	<.0000	6.976	.0037	.0043	<.0000	<.0000
#2	.0340	<.0000	6.949	.0078	<.0000	<.0000	<.0000
#3	.0325	<.0000	6.968	<.0000	.0216	<.0000	.0183
#4	.0325	<.0000	6.974	.0091	.0129	<.0000	.0182

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.075	.0182	<.0000	.0015
SDev	.003	.1004	.0016	.0011
%RSD	.2396	552.7	410.6	70.69

#1	1.074	<.0000	<.0000	.0010
#2	1.074	.0690	.0009	.0024
#3	1.079	<.0000	<.0000	.0024
#4	1.074	.1301	.0009	.0003

Analysis Report

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page 1

Method: IECW Sample Name: 29141

Run Time: 01/03/02 11:45:04

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0076	.0087	<.0000	.0137	<.0000	6.171
SDev	.0009	.0065	.0252	.0012	.0000	.0001	.033
%RSD	939.6	85.74	291.1	150.7	.0255	19.25	.5359

#1	<.0000	.0016	.0398	.0006	.0137	<.0000	6.147
#2	.0006	.0070	.0140	<.0000	.0137	<.0000	6.158
#3	<.0000	.0049	.0012	<.0000	.0137	<.0000	6.160
#4	.0006	.0167	<.0000	<.0000	.0137	<.0000	6.220

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0011	.0010	.0053	.0201	<.0000	1.260
SDev	.0009	.0008	.0012	.0006	.0022	.2264	.012
%RSD	135.2	78.20	118.9	11.99	10.75	253.0	.9237

#1	<.0000	.0017	<.0000	.0053	.0216	<.0000	1.243
#2	<.0000	.0002	.0022	.0061	.0201	.1969	1.265
#3	<.0000	.0005	.0012	.0045	.0170	<.0000	1.262
#4	.0004	.0019	.0012	.0053	.0216	<.0000	1.269

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0191	<.0000	7.275	.0044	.0108	<.0000	.1003
SDev	.0004	.0047	.024	.0059	.0114	.0273	.0975
%RSD	2.189	34.19	.3330	133.4	105.9	57.43	97.19

#1	.0187	<.0000	7.256	.0024	.0129	<.0000	.0940
#2	.0187	<.0000	7.275	<.0000	.0043	<.0000	.1445
#3	.0195	<.0000	7.261	.0091	.0259	<.0000	.1950
#4	.0195	<.0000	7.310	.0091	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.074	.0437	.0009	.0017
SDev	.031	.0652	.0000	.0008
%RSD	2.889	149.3	.0617	48.61

#1	1.064	.0895	.0009	.0010
#2	1.059	.1098	.0009	.0024
#3	1.053	<.0000	.0009	.0010
#4	1.120	<.0000	.0009	.0024

Analysis Report

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Method: IECW Sample Name: ipc
 Run Time: 01/03/02 11:48:27
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4937	1.064	.0287	1.002	1.005	1.006	1.018
SDev	.0024	.015	.0295	.004	.003	.003	.004
%RSD	.4767	1.394	102.8	.3846	.2930	.2605	.4356

#1	.4960	1.071	.0082	.9972	1.009	1.010	1.024
#2	.4930	1.046	.0171	1.006	1.002	1.004	1.016
#3	.4906	1.057	.0170	1.003	1.005	1.004	1.014
#4	.4950	1.080	.0724	1.001	1.006	1.007	1.017

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.006	1.007	.9975	.9778	1.027	1.0000	.9953
SDev	.007	.003	.0047	.0023	.003	.1717	.0097
%RSD	.7251	.3419	.4728	.2387	.2535	479.7	.9763

#1	1.014	1.012	1.000	.9783	1.027	.1253	.9905
#2	.9960	1.004	.9968	.9752	1.030	.0537	1.010
#3	1.007	1.007	.9912	.9768	1.026	<.0000	.9905
#4	1.006	1.007	1.002	.9807	1.024	<.0000	.9905

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.004	.9753	1.037	1.036	1.028	.9819	<.0000
SDev	.002	.0068	.030	.015	.013	.0182	.1038
%RSD	.1708	.7011	2.937	1.481	1.304	1.856	339.1

#1	1.006	.9708	1.070	1.056	1.013	.9977	<.0000
#2	1.002	.9708	.9963	1.021	1.044	.9977	<.0000
#3	1.004	.9744	1.039	1.038	1.022	.9662	.0641
#4	1.002	.9852	1.045	1.027	1.035	.9661	.0388

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.276	1.019	1.005	1.005
SDev	.020	.107	.004	.003
%RSD	1.552	10.50	.3619	.3374

#1	1.254	1.024	1.010	1.000
#2	1.264	.9220	1.004	1.007
#3	1.295	1.166	1.001	1.007
#4	1.290	.9627	1.005	1.007

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/03/02 11:51:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0021	.0116	.0106	<.0000	<.0000	.0002	.0012
SDev	.0015	.0050	.0407	.0027	.0003	.0001	.0031
%RSD	72.84	43.31	385.2	154.4	36650.	65.32	250.9

#1	.0012	.0121	.0363	<.0000	.0002	.0004	<.0000
#2	.0022	.0132	.0491	.0010	.0002	.0002	.0042
#3	.0041	.0165	<.0000	<.0000	.0002	.0002	.0035
#4	.0007	.0046	<.0000	<.0000	<.0000	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0025	.0007	.0025	.0008	<.0000	.0154
SDev	.0019	.0005	.0010	.0008	.0008	.2773	.0122
%RSD	1299.	18.35	150.0	29.46	100.4	103.3	79.48

#1	<.0000	.0022	.0010	.0016	<.0000	<.0000	.0065
#2	<.0000	.0031	<.0000	.0031	.0011	<.0000	.0324
#3	<.0000	.0027	.0020	.0031	.0011	<.0000	.0065
#4	.0021	.0021	.0001	.0023	.0011	<.0000	.0162

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0005	.0108	.0430	.0061	.0173	.0078	<.0000
SDev	.0004	.0035	.0083	.0069	.0228	.0182	.0635
%RSD	66.80	31.96	19.42	112.7	132.3	231.9	143.7

#1	.0007	.0135	.0546	.0041	.0043	.0236	<.0000
#2	.0007	.0099	.0430	<.0000	.0475	.0236	<.0000
#3	.0007	.0063	.0391	.0108	.0216	<.0000	<.0000
#4	<.0000	.0136	.0352	.0122	<.0000	<.0000	.0189

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1934	.0051	.0010	.0004
SDev	.0319	.0608	.0011	.0006
%RSD	16.52	1203.	108.9	163.7

#1	.1742	.0305	.0010	.0004
#2	.2408	<.0000	.0023	.0011
#3	.1845	<.0000	.0010	.0004
#4	.1742	.0712	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29229
 Run Time: 01/03/02 11:55:38
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0000	.0165	<.0000	<.0000	.0150	<.0000	5.889
SDev	.0011	.0074	.0286	.0008	.0003	.0001	.013
%RSD	3988.	45.09	76.18	49.11	2.369	22.22	.2126
#1	<.0000	.0103	<.0000	<.0000	.0144	<.0000	5.907
#2	.0006	.0265	<.0000	<.0000	.0151	<.0000	5.881
#3	.0011	.0179	.0053	<.0000	.0151	<.0000	5.880
#4	<.0000	.0114	<.0000	<.0000	.0151	<.0000	5.886
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0008	.0007	.0018	.0243	<.0000	1.312
SDev	.0010	.0012	.0013	.0004	.0036	.3976	.010
%RSD	200.7	151.4	171.4	24.94	14.85	444.2	.7673
#1	.0004	.0025	.0017	.0014	.0216	<.0000	1.307
#2	<.0000	.0002	.0012	.0022	.0292	.1969	1.317
#3	<.0000	.0002	.0012	.0022	.0246	<.0000	1.324
#4	.0004	.0002	<.0000	.0014	.0216	.1611	1.301
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0245	<.0000	7.193	.0108	.0248	<.0000	.0435
SDev	.0006	.0029	.019	.0078	.0129	.0257	.0713
%RSD	2.413	24.88	.2616	71.66	51.95	316.0	164.2
#1	.0246	<.0000	7.204	.0213	.0388	<.0000	<.0000
#2	.0238	<.0000	7.186	.0118	.0302	<.0000	.1444
#3	.0253	<.0000	7.171	.0037	.0086	.0234	.0435
#4	.0246	<.0000	7.213	.0064	.0216	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.124	.0741	<.0000	.0001			
SDev	.011	.1203	.0014	.0007			
%RSD	.9394	162.3	596.5	774.4			
#1	1.130	.1505	<.0000	.0003			
#2	1.115	.1911	.0016	<.0000			
#3	1.135	<.0000	<.0000	<.0000			
#4	1.115	.0283	<.0000	.0010			

Analysis Report

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page 1

Method: IECW Sample Name: 29229lab dup Operator: it
 Run Time: 01/03/02 11:58:30
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0000	.0141 ¹⁶⁵	.0536	.0008	.0151 ¹⁵⁰	<.0000	5.899 ⁵⁸⁸⁹
SDev	.0012	.0098	.0808	.0016	.0000	.0000	.018
%RSD	4523.	69.85	150.8	213.4	.0102	.0000	.2991
#1	<.0000	.0135	<.0000	.0029	.0151	<.0000	5.880
#2	<.0000	.0006	.0141	.0006	.0151	<.0000	5.922
#3	.0016	.0233	.1682	.0006	.0151	<.0000	5.893
#4	.0001	.0189	.0481	<.0000	.0151	<.0000	5.900
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0014	.0011	.0016	.0262 ²⁴³	<.0000	1.316 ¹³¹²
SDev	.0014	.0009	.0020	.0004	.0022	.1961	.006
%RSD	275.6	65.12	184.0	24.21	8.237	219.1	.4264
#1	<.0000	.0019	.0007	.0014	.0246	<.0000	1.317
#2	<.0000	.0002	<.0000	.0014	.0262	<.0000	1.317
#3	.0015	.0012	.0026	.0014	.0246	<.0000	1.307
#4	<.0000	.0022	.0026	.0022	.0292	.1253	1.320
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0245 ²⁴⁵	<.0000	7.193 ⁷¹⁹³	.0091	.0270	<.0000	<.0000
SDev	.0006	.0080	.047	.0044	.0207	.0375	.0412
%RSD	2.412	62.85	.6519	48.34	76.62	78.88	587.8
#1	.0238	<.0000	7.134	.0037	<.0000	<.0000	.0435
#2	.0253	<.0000	7.248	.0145	.0431	<.0000	<.0000
#3	.0245	<.0000	7.202	.0091	.0431	<.0000	<.0000
#4	.0245	<.0000	7.188	.0091	.0216	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.131	.0385	.0004	<.0000			
SDev	.013	.0512	.0013	.0004			
%RSD	1.133	133.1	289.6	456.2			
#1	1.115	.0283	<.0000	.0003			
#2	1.130	.1097	<.0000	<.0000			
#3	1.146	.0283	.0023	<.0000			
#4	1.135	<.0000	.0003	.0003			

Analysis Report

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page 1

Method: IECW Sample Name: 29229spk

Operator: it

Run Time: 01/03/02 12:15:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0177	.2640	.2382	.2593	.2578	.0482	5.799
SDev	.0008	.0039	.0111	.0035	.0008	.0001	.009
%RSD	4.671	1.470	4.642	1.361	.3165	.1927	.1522
#1	.0166	.2621	.2254	.2596	.2571	.0481	5.788
#2	.0176	.2697	.2511	.2561	.2585	.0481	5.805
#3	.0181	.2632	.2340	.2573	.2571	.0481	5.795
#4	.0186	.2610	.2426	.2641	.2585	.0483	5.807

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1002	.0988	.2436	.2416	.2756	<.0000	1.261
SDev	.0035	.0019	.0023	.0017	.0009	.2544	.009
%RSD	3.460	1.915	.9614	.7174	.3190	570.9	.7384
#1	.0989	.0970	.2448	.2410	.2763	<.0000	1.262
#2	.0995	.0974	.2448	.2425	.2748	.1783	1.262
#3	.1052	.1005	.2448	.2394	.2748	.1070	1.249
#4	.0972	.1004	.2401	.2433	.2763	<.0000	1.272

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2710	.0981	7.063	.2574	.2385	.2547	.2329
SDev	.0011	.0099	.016	.0136	.0289	.0328	.0699
%RSD	.4014	10.13	.2296	5.280	12.10	12.87	30.00
#1	.2705	.0918	7.083	.2374	.1953	.2625	.1631
#2	.2705	.0882	7.052	.2604	.2558	.2468	.3154
#3	.2705	.1098	7.069	.2672	.2515	.2153	.1885
#4	.2726	.1026	7.048	.2645	.2515	.2940	.2647

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.136	.2624	.0967	.2464
SDev	.018	.0391	.0013	.0014
%RSD	1.563	14.89	1.324	.5869
#1	1.138	.2522	.0950	.2457
#2	1.143	.2114	.0977	.2457
#3	1.112	.2930	.0964	.2486
#4	1.153	.2930	.0977	.2457

Analysis Report

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Method: IECW Sample Name: 29230

Operator: it

Run Time: 01/03/02 12:59:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0076	<.0000	.0036	.0137	.0001	6.361
SDev	.0014	.0061	.0577	.0019	.0000	.0001	.015
%RSD	135.7	80.99	602.4	52.06	.0108	66.67	.2282

#1	.0001	.0138	<.0000	.0056	.0137	.0001	6.355
#2	.0001	.0116	.0656	.0039	.0137	.0000	6.378
#3	<.0000	.0008	.0056	.0011	.0137	.0000	6.366
#4	<.0000	.0041	<.0000	.0039	.0137	.0000	6.344

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0004	<.0000	<.0000	.0032	.0193	<.0000	1.227
SDev	.0010	.0008	.0019	.0012	.0015	.3325	.015
%RSD	265.1	67.70	298.4	37.00	7.889	64.33	1.189

#1	<.0000	<.0000	<.0000	.0041	.0185	<.0000	1.220
#2	.0014	<.0000	.0016	.0041	.0216	<.0000	1.240
#3	.0002	<.0000	<.0000	.0018	.0185	<.0000	1.210
#4	.0008	<.0000	<.0000	.0026	.0185	<.0000	1.240

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0169	<.0000	7.262	.0105	.0108	<.0000	.0248
SDev	.0009	.0054	.043	.0045	.0143	.0236	.1252
%RSD	5.529	547.8	.5989	42.49	132.2	147.9	505.8

#1	.0180	.0053	7.242	.0048	.0270	<.0000	<.0000
#2	.0173	<.0000	7.262	.0156	.0097	<.0000	.1643
#3	.0158	<.0000	7.322	.0115	.0140	<.0000	<.0000
#4	.0166	.0017	7.221	.0102	<.0000	.0116	.0882

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.9745	.0030	<.0000	.0004
SDev	.0162	.0257	.0012	.0007
%RSD	1.658	853.8	129.3	154.1

#1	.9758	.0081	<.0000	.0014
#2	.9967	.0081	.0008	<.0000
#3	.9602	.0285	<.0000	<.0000
#4	.9653	<.0000	<.0000	.0006

Analysis Report

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page 1

Method: IECW Sample Name: 29231

Operator: it

Run Time: 01/03/02 13:02:58

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0092	<.0000	.0039	.0141	.0000	6.162
SDev	.0008	.0041	.0308	.0015	.0004	.0001	.018
%RSD	87.43	44.34	114.8	37.77	2.911	200.0	.2977

#1	<.0000	.0062	<.0000	.0022	.0137	.0000	6.159
#2	<.0000	.0127	<.0000	.0033	.0137	.0000	6.179
#3	<.0000	.0127	<.0000	.0045	.0144	.0000	6.138
#4	.0001	.0051	<.0000	.0056	.0144	<.0000	6.172

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0015	.0069	.0219	<.0000	1.382
SDev	.0017	.0014	.0010	.0004	.0015	.2858	.008
%RSD	475.2	596.3	66.86	6.563	6.653	47.85	.6057

#1	<.0000	.0002	.0015	.0073	.0200	<.0000	1.386
#2	.0019	.0006	.0025	.0065	.0231	<.0000	1.379
#3	<.0000	.0006	.0020	.0073	.0216	<.0000	1.373
#4	<.0000	<.0000	.0001	.0065	.0231	<.0000	1.392

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0238	<.0000	7.169	.0081	.0065	<.0000	<.0000
SDev	.0000	.0047	.037	.0014	.0119	.0129	.0604
%RSD	.0024	125.7	.5112	16.66	183.8	64.54	78.61

#1	.0238	<.0000	7.151	.0074	.0184	<.0000	<.0000
#2	.0238	<.0000	7.166	.0074	.0140	<.0000	<.0000
#3	.0238	.0017	7.137	.0074	<.0000	<.0000	.0120
#4	.0238	<.0000	7.221	.0101	.0011	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9833	<.0000	<.0000	.0023
SDev	.0131	.0306	.0011	.0007
%RSD	1.336	412.0	1717.	30.69

#1	.9964	.0079	.0014	.0014
#2	.9860	<.0000	<.0000	.0021
#3	.9651	<.0000	<.0000	.0028
#4	.9859	.0283	.0001	.0028

Analysis Report

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page 1

Method: IECW Sample Name: 29232

Run Time: 01/03/02 13:05:13

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0107	.0031	.0051	.0142	.0000	6.619
SDev	.0008	.0033	.0473	.0013	.0004	.0001	.021
%RSD	116.3	31.10	1543.	24.65	2.504	37e6	.3194

#1	.0001	.0137	.0396	.0067	.0144	.0000	6.589
#2	<.0000	.0062	<.0000	.0044	.0144	<.0000	6.619
#3	<.0000	.0126	<.0000	.0055	.0137	.0000	6.636
#4	<.0000	.0105	.0482	.0038	.0144	<.0000	6.631

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	<.0000	.0011	.0090	.0371	<.0000	1.532
SDev	.0019	.0020	.0007	.0008	.0026	.1604	.012
%RSD	183.0	839.9	64.43	8.296	7.026	48.65	.7988

#1	.0036	.0014	.0005	.0096	.0398	<.0000	1.518
#2	.0014	.0012	.0005	.0080	.0337	<.0000	1.528
#3	<.0000	<.0000	.0014	.0096	.0367	<.0000	1.548
#4	.0002	<.0000	.0019	.0088	.0382	<.0000	1.535

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0305	.0008	7.773	.0115	<.0000	<.0000	<.0000
SDev	.0007	.0045	.026	.0016	.0147	.0151	.0839
%RSD	2.276	573.0	.3285	13.64	1356.	184.9	185.4

#1	.0303	.0017	7.740	.0101	<.0000	<.0000	<.0000
#2	.0311	.0053	7.773	.0128	<.0000	.0115	.0373
#3	.0311	<.0000	7.776	.0101	.0011	<.0000	.0119
#4	.0296	.0017	7.802	.0128	.0183	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.007	.0688	<.0000	.0017
SDev	.024	.0527	.0006	.0009
%RSD	2.432	76.55	85.89	54.77

#1	.9753	.1300	<.0000	.0013
#2	1.001	.0484	<.0000	.0006
#3	1.017	.0892	.0001	.0028
#4	1.033	.0076	<.0000	.0021

Analysis Report

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Method: IECW Sample Name: 29233

Run Time: 01/03/02 13:07:39

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0055	.0234	.0163	.0301	<.0000	24.57
SDev	.0007	.0098	.0616	.0011	.0000	.0000	.07
%RSD	42.72	177.5	263.3	6.656	.0266	.0000	.2971

#1	<.0000	.0036	.0524	.0155	.0301	<.0000	24.59
#2	<.0000	<.0000	.0654	.0178	.0301	<.0000	24.63
#3	<.0000	.0101	<.0000	.0166	.0301	<.0000	24.59
#4	<.0000	.0155	.0437	.0155	.0302	<.0000	24.46

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0013	<.0000	.0036	.0142	.0854	.7843	8.180
SDev	.0014	.0012	.0008	.0008	.0015	.2435	.041
%RSD	103.6	63.36	22.57	5.495	1.728	31.05	.5060

#1	.0005	<.0000	.0035	.0138	.0866	.4635	8.174
#2	.0033	<.0000	.0025	.0138	.0835	.7487	8.229
#3	.0005	<.0000	.0044	.0154	.0850	.8913	8.187
#4	.0010	<.0000	.0040	.0138	.0866	1.034	8.129

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0563	.0004	27.60	.0122	.0054	<.0000	.0278
SDev	.0004	.0035	.08	.0020	.0086	.0222	.0433
%RSD	.7409	953.0	.2831	16.68	160.4	423.3	156.2

#1	.0567	<.0000	27.49	.0111	.0097	<.0000	.0849
#2	.0567	.0013	27.65	.0111	.0097	<.0000	.0087
#3	.0560	<.0000	27.64	.0152	.0097	.0105	.0341
#4	.0560	.0049	27.63	.0112	<.0000	.0105	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.877	.1295	<.0000	.0014
SDev	.018	.0612	.0006	.0004
%RSD	.9609	47.29	88.91	30.37

#1	1.882	.1805	<.0000	.0017
#2	1.882	.0581	<.0000	.0010
#3	1.893	.0989	<.0000	.0017
#4	1.851	.1806	<.0000	.0010

Analysis Report

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page 1

Method: IECW Sample Name: 29234

Run Time: 01/03/02 13:10:18

Comment:

Operator: it

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0008	.0064	.0090	.0172	<.0000	9.606
SDev	.0013	.0042	.0422	.0015	.0004	.0001	.026
%RSD	91.66	503.1	655.2	16.77	2.368	66.67	.2684

#1	.0001	.0068	.0343	.0109	.0169	<.0000	9.581
#2	<.0000	.0003	.0172	.0081	.0176	<.0000	9.642
#3	<.0000	<.0000	<.0000	.0092	.0169	<.0000	9.597
#4	<.0000	<.0000	.0302	.0075	.0176	<.0000	9.603

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0004	.0019	.0128	.0333	<.0000	3.158
SDev	.0019	.0007	.0016	.0004	.0044	.3699	.036
%RSD	268.2	187.6	83.26	3.037	13.12	56.09	1.151

#1	<.0000	.0005	.0034	.0126	.0360	<.0000	3.172
#2	.0013	.0002	.0020	.0134	.0344	<.0000	3.179
#3	.0001	.0012	.0025	.0126	.0360	<.0000	3.179
#4	<.0000	<.0000	<.0000	.0126	.0268	<.0000	3.104

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0228	.0007	15.53	.0070	.0054	.0152	<.0000
SDev	.0007	.0080	.14	.0063	.0061	.0269	.0328
%RSD	3.043	1152.	.8865	90.76	113.2	176.5	2141.

#1	.0237	.0124	15.35	<.0000	.0140	<.0000	.0111
#2	.0230	<.0000	15.60	.0137	.0011	.0270	<.0000
#3	.0222	<.0000	15.49	.0097	.0011	.0428	<.0000
#4	.0222	<.0000	15.67	.0056	.0054	.0113	.0366

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.675	.0969	<.0000	.0016
SDev	.012	.0612	.0006	.0004
%RSD	.4493	63.14	78.18	25.42

#1	2.665	.1682	<.0000	.0020
#2	2.685	.0458	.0000	.0020
#3	2.685	.1274	<.0000	.0013
#4	2.665	.0460	<.0000	.0013

Analysis Report

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Method: IECW Sample Name: 29235

Operator: it

Run Time: 01/03/02 13:12:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0046	<.0000	.0036	.0143	<.0000	5.890
SDev	.0008	.0051	.0287	.0007	.0003	.0000	.017
%RSD	43.29	109.9	244.9	20.24	2.485	.0000	.2884

#1	<.0000	.0084	<.0000	.0033	.0137	<.0000	5.892
#2	<.0000	.0084	.0226	.0028	.0144	<.0000	5.866
#3	<.0000	.0041	.0012	.0045	.0144	<.0000	5.897
#4	<.0000	<.0000	<.0000	.0039	.0144	<.0000	5.905

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0012	<.0000	.0231	<.0000	1.281
SDev	.0014	.0016	.0014	.0010	.0000	.2086	.023
%RSD	290.3	104.7	115.2	87.74	.0327	38.38	1.759

#1	.0014	.0004	<.0000	<.0000	.0231	<.0000	1.305
#2	<.0000	<.0000	.0030	.0002	.0231	<.0000	1.256
#3	<.0000	<.0000	.0016	<.0000	.0231	<.0000	1.295
#4	<.0000	<.0000	.0006	<.0000	.0231	<.0000	1.269

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0244	<.0000	7.458	.0071	.0076	<.0000	.0311
SDev	.0004	.0045	.056	.0054	.0147	.0301	.0729
%RSD	1.484	162.6	.7526	76.58	195.3	108.6	234.5

#1	.0246	<.0000	7.507	.0075	.0097	<.0000	.0882
#2	.0238	<.0000	7.378	.0115	<.0000	<.0000	.0120
#3	.0246	<.0000	7.485	.0102	.0270	.0116	.0882
#4	.0246	.0017	7.460	<.0000	.0011	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9731	.0590	<.0000	<.0000
SDev	.0090	.0612	.0008	.0007
%RSD	.9277	103.7	212.0	160.2

#1	.9861	.0080	.0008	<.0000
#2	.9705	.0897	<.0000	<.0000
#3	.9652	.0080	<.0000	<.0000
#4	.9705	.1305	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29289

Operator: it

Run Time: 01/03/02 13:16:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0001	.0002	.0051	.0141	<.0000	5.857
SDev	.0004	.0136	.0588	.0028	.0004	.0001	.016
%RSD	22.10	24140.	37960.	56.03	2.889	66.67	.2771

#1	<.0000	.0019	.0012	.0079	.0137	<.0000	5.849
#2	<.0000	.0106	<.0000	.0068	.0144	<.0000	5.879
#3	<.0000	.0073	.0785	.0039	.0144	<.0000	5.841
#4	<.0000	<.0000	<.0000	.0016	.0137	<.0000	5.858

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0001	.0004	<.0000	.0262	<.0000	1.283
SDev	.0008	.0011	.0008	.0010	.0018	.1108	.022
%RSD	231.6	1715.	201.7	65.04	6.754	20.06	1.707

#1	<.0000	<.0000	.0011	<.0000	.0277	<.0000	1.269
#2	<.0000	<.0000	<.0000	<.0000	.0246	<.0000	1.301
#3	<.0000	.0012	.0011	<.0000	.0247	<.0000	1.301
#4	.0008	.0007	<.0000	<.0000	.0277	<.0000	1.259

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0238	<.0000	7.441	.0135	<.0000	<.0000	<.0000
SDev	.0006	.0034	.018	.0032	.0204	.0372	.0813
%RSD	2.482	349.1	.2459	23.73	1885.	233.3	180.4

#1	.0238	.0017	7.450	.0115	<.0000	<.0000	<.0000
#2	.0238	<.0000	7.446	.0169	.0011	.0116	.0120
#3	.0246	.0017	7.413	.0156	.0270	<.0000	<.0000
#4	.0231	<.0000	7.452	.0102	<.0000	.0117	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9835	<.0000	<.0000	.0003
SDev	.0203	.0353	.0007	.0004
%RSD	2.060	156.6	74.43	153.0

#1	.9914	<.0000	.0001	<.0000
#2	.9548	.0080	<.0000	.0006
#3	.9861	<.0000	<.0000	.0006
#4	1.002	.0081	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 29290

Operator: it

Run Time: 01/03/02 13:19:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0195	.0045	.0141	<.0000	5.839
SDev	.0009	.0049	.0358	.0032	.0004	.0001	.019
%RSD	49.45	235.3	183.4	71.23	2.891	66.67	.3196

#1	<.0000	<.0000	<.0000	.0016	.0144	<.0000	5.828
#2	<.0000	<.0000	.0528	.0033	.0137	<.0000	5.822
#3	<.0000	<.0000	.0442	.0039	.0144	<.0000	5.864
#4	<.0000	.0030	.0055	.0091	.0137	<.0000	5.840

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0247	<.0000	1.268
SDev	.0011	.0009	.0014	.0008	.0022	.1281	.015
%RSD	526.5	49.52	818.4	39.34	8.729	14.82	1.151

#1	<.0000	<.0000	.0011	<.0000	.0262	<.0000	1.275
#2	<.0000	<.0000	<.0000	<.0000	.0247	<.0000	1.275
#3	<.0000	<.0000	.0006	<.0000	.0262	<.0000	1.275
#4	.0014	<.0000	<.0000	<.0000	.0216	<.0000	1.246

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0242	<.0000	7.114	.0142	<.0000	.0037	<.0000
SDev	.0004	.0047	.017	.0072	.0191	.0157	.0207
%RSD	1.734	126.2	.2345	50.31	884.1	421.6	53.56

#1	.0238	.0017	7.114	.0075	.0184	.0116	<.0000
#2	.0246	<.0000	7.114	.0156	<.0000	.0116	<.0000
#3	.0238	<.0000	7.093	.0237	<.0000	<.0000	<.0000
#4	.0246	<.0000	7.134	.0102	.0097	.0116	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9418	.0132	<.0000	<.0000
SDev	.0178	.0348	.0007	.0009
%RSD	1.894	264.7	42.62	337.8

#1	.9653	<.0000	<.0000	<.0000
#2	.9235	.0488	<.0000	.0006
#3	.9444	.0080	<.0000	<.0000
#4	.9340	.0285	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 29291
 Run Time: 01/03/02 13:21:38
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0121	.0042	.0072	.0189	<.0000	10.54
SDev	.0004	.0098	.0347	.0010	.0000	.0001	.02
%RSD	28.66	81.26	825.2	13.70	.0130	200.0	.1762

#1	<.0000	<.0000	.0473	.0075	.0189	<.0000	10.52
#2	<.0000	.0229	<.0000	.0058	.0189	.0000	10.56
#3	<.0000	.0142	<.0000	.0075	.0189	<.0000	10.55
#4	<.0000	.0121	.0128	.0081	.0189	<.0000	10.53

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0016	.0079	.0432	<.0000	3.025
SDev	.0020	.0008	.0010	.0006	.0019	.1235	.018
%RSD	30930.	451.5	63.86	8.035	4.447	86.60	.5830

#1	.0007	<.0000	.0002	.0079	.0436	<.0000	3.000
#2	.0024	.0009	.0016	.0087	.0436	<.0000	3.039
#3	<.0000	<.0000	.0020	.0072	.0451	<.0000	3.026
#4	<.0000	<.0000	.0025	.0079	.0405	<.0000	3.036

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0373	<.0000	11.88	.0124	.0097	<.0000	<.0000
SDev	.0007	.0018	.05	.0086	.0093	.0393	.0729
%RSD	1.860	62.10	.4202	68.81	96.13	468.7	926.5

#1	.0368	<.0000	11.81	.0097	.0140	<.0000	<.0000
#2	.0382	<.0000	11.93	.0016	<.0000	.0427	.0365
#3	.0368	<.0000	11.90	.0205	.0097	<.0000	.0365
#4	.0375	<.0000	11.86	.0178	.0183	<.0000	.0112

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.185	.0868	<.0000	.0033
SDev	.031	.0372	.0006	.0004
%RSD	2.577	42.88	84.48	11.10

#1	1.150	.0665	<.0000	.0034
#2	1.218	.1072	.0000	.0034
#3	1.202	.0460	<.0000	.0034
#4	1.171	.1276	<.0000	.0027

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 01/03/02 13:37:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4863	1.040	.0151	.9980	1.006	1.010	.9979
SDev	.0030	.004	.0372	.0088	.004	.005	.0047
%RSD	.6250	.4189	246.7	.8843	.4234	.4603	.4719

#1	.4839	1.035	.0560	.9937	1.007	1.006	.9913
#2	.4839	1.040	<.0000	.9936	1.003	1.008	.9975
#3	.4902	1.044	.0172	1.011	1.012	1.017	1.001
#4	.4873	1.043	.0215	.9936	1.002	1.009	1.002

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9943	.9989	.9859	.9748	1.014	<.0000	.9765
SDev	.0044	.0075	.0072	.0049	.011	.5648	.0188
%RSD	.4455	.7544	.7275	.5044	1.059	50.30	1.925

#1	.9958	.9942	.9799	.9726	1.001	<.0000	.9514
#2	.9907	.9909	.9850	.9710	1.012	<.0000	.9968
#3	.9998	1.006	.9962	.9820	1.027	<.0000	.9773
#4	.9907	1.004	.9827	.9734	1.017	<.0000	.9806

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9975	.9397	.9968	1.041	.9811	.9564	.0011
SDev	.0033	.0191	.0216	.012	.0183	.0452	.1123
%RSD	.3272	2.033	2.168	1.144	1.868	4.725	10410.

#1	.9959	.9289	.9705	1.036	.9552	.9211	<.0000
#2	.9959	.9217	1.006	1.028	.9983	.9683	.1089
#3	1.002	.9433	.9900	1.053	.9854	1.015	<.0000
#4	.9959	.9650	1.021	1.049	.9854	.9210	.0836

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.120	.9597	.9975	.9990
SDev	.009	.0306	.0033	.0026
%RSD	.8053	3.185	.3350	.2641

#1	1.107	.9240	.9938	.9961
#2	1.122	.9851	.9965	.9975
#3	1.122	.9443	1.002	1.002
#4	1.128	.9852	.9978	1.000

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 01/03/02 13:41:11

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0005	.0046	<.0000	.0020	<.0000	.0001	<.0000
SDev	.0003	.0073	.0756	.0009	.0007	.0001	.0020
%RSD	57.72	160.0	438.5	46.64	191.7	57.74	54.20

#1	.0002	<.0000	<.0000	.0020	<.0000	.0001	<.0000
#2	.0002	<.0000	<.0000	.0009	<.0000	.0000	<.0000
#3	.0007	.0092	.0708	.0031	.0002	.0001	<.0000
#4	.0007	.0124	.0192	.0020	.0002	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	.0001	.0015	.0004	.0008	<.0000	<.0000
SDev	.0019	.0019	.0015	.0000	.0008	.2166	.0086
%RSD	120.1	1522.	101.3	.0345	99.93	25.58	88.19

#1	<.0000	<.0000	.0033	.0004	.0011	<.0000	<.0000
#2	.0037	<.0000	.0019	.0004	.0011	<.0000	<.0000
#3	.0003	<.0000	.0014	.0004	<.0000	<.0000	.0016
#4	.0026	.0029	<.0000	.0004	.0011	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0004	.0090	.0136	.0132	.0119	.0393	<.0000
SDev	.0004	.0066	.0150	.0059	.0147	.0372	.0600
%RSD	115.3	73.05	110.2	44.32	124.2	94.53	943.6

#1	.0000	.0126	.0073	.0186	<.0000	.0433	.0381
#2	.0000	.0054	.0228	.0159	.0140	.0118	<.0000
#3	.0007	.0162	.0287	.0051	.0313	.0905	<.0000
#4	.0007	.0018	<.0000	.0132	.0054	.0118	.0380

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0601	.0000	<.0000	.0004
SDev	.0137	.0204	.0009	.0014
%RSD	22.85	230300.	517.4	383.0

#1	.0483	.0102	.0008	<.0000
#2	.0483	.0102	<.0000	.0000
#3	.0744	<.0000	<.0000	.0014
#4	.0692	.0102	.0002	.0014