

NYC samples

3/8/02^{IT}

Blk

5 STD

IPC+CB

LFB+LRB

1335

1442

1910 + Dup + Spk

1911

1912

1913

1914

~~2094~~ 1915^{IT}

1916

1936

IPC+CB

1937 + Dup + Spk

1938

~~2094~~

~~2145~~

~~2146~~

~~2147~~

2148

2149

2150

2151

IPC+CB

wipe Blk

$$\text{Spk } \frac{3.617 \times 50}{.0971} = 1862.5$$

$$\text{Dup } \frac{3.795 \times 50}{.0975} = 1946.2$$

4475 <

$$4476 \frac{.1494 \times 50}{.25} = 29.88$$

4477 <

4478 <

$$4479 \frac{.4648 \times 50}{.333} = 69.8$$

4480 <

$$4481 \frac{1.611 \times 50}{.25} = 322.2$$

4482 <

$$4483 \frac{.10 \times 50}{.333} = 15$$

4484 <

CCV+CCB

Reviewed by,

JB 5/8/02

OV

NYC samples

3/8/02^{IT}

131k

5 STD

IPC+CB

LFB+LRB

1335

1442

1910 + Dup + Spk

1911

1912

1913

1914

~~2094~~ 1915

1916

1936

IPC+CB

1937 + Dup + Spk

1938

~~2094~~

2145

2146

2147

2148

2149

2150

2151

IPC+CB

wipe BIK

$$\text{Spk } \frac{3.617 \times 50}{.0971} = 1862.5$$

$$\text{Dup } \frac{3.775 \times 50}{.0975} = 1946.2$$

4475 <

$$4476 \frac{.1494 \times 50}{.25} = 29.88$$

4477 <

4478 <

$$4479 \frac{.4648 \times 50}{.333} = 69.8$$

4480 <

$$4481 \frac{1.611 \times 50}{.25} = 322.2$$

4482 <

$$4483 \frac{.10 \times 50}{.333} = 15$$

4484 <

CCV+CCB

Reviewed by,

JB 5/8/02

OV

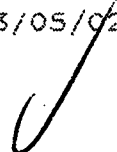
Standardization Rpt.

03/05/02 10:04:21 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 03/05/02 10:02:38



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.557	4.398	.3350	.2840	.1825	.2175	4.607
SDev	.004	.015	.0136	.0054	.0010	.0010	.017
%RSD	.2460	.3308	4.064	1.907	.5479	.4598	.3709

#1	1.560	4.402	.3360	.2800	.1820	.2180	4.628
#2	1.556	4.384	.3400	.2920	.1820	.2160	4.588
#3	1.560	4.416	.3160	.2820	.1840	.2180	4.612
#4	1.552	4.388	.3480	.2820	.1820	.2180	4.600

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2735	2.597	1.051	.6790	.0050	6.589	1.442
SDev	.0025	.007	.004	.0011	.0035	.008	.005
%RSD	.9201	.2630	.3644	.1701	69.28	.1227	.3581

#1	.2760	2.588	1.056	.6800	.0100	6.600	1.448
#2	.2700	2.600	1.048	.6780	.0020	6.584	1.440
#3	.2740	2.604	1.048	.6800	.0040	6.582	1.436
#4	.2740	2.596	1.052	.6780	.0040	6.590	1.444

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0985	.1025	2.618	.4880	.7005	.1205	.0975
SDev	.0019	.0030	.019	.0049	.0057	.0010	.0038
%RSD	1.944	2.927	.7121	1.004	.8201	.8299	3.883

#1	.0960	.1000	2.594	.4880	.6960	.1200	.0980
#2	.0980	.1000	2.638	.4880	.6960	.1220	.1000
#3	.1000	.1060	2.626	.4820	.7020	.1200	.1000
#4	.1000	.1040	2.616	.4940	.7080	.1200	.0920

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8970	.1310	.7720	.1380
SDev	.0050	.0038	.0000	.0023
%RSD	.5611	2.923	.0000	1.673

#1	.9040	.1280	.7720	.1400
#2	.8960	.1320	.7720	.1400
#3	.8960	.1360	.7720	.1360
#4	.8920	.1280	.7720	.1360

Standardization Rpt.

03/05/02 10:06:45 AM

page 1

Method: IECW Standard: STD6
Run Time: 03/05/02 10:05:23



Elem	Ag3280
Avge	36.65
SDev	.08
%RSD	.2079

#1	36.62
#2	36.59
#3	36.63
#4	36.76

Standardization Rpt.

03/05/02 10:09:10 AM

page 1

Method: IECW Standard: STD3
Run Time: 03/05/02 10:07:27

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	19.69	188.2	11.64	3.509	11.30	13.95	.9805
SDev	.07	.8	.06	.048	.05	.05	.0162
%RSD	.3685	.4259	.4858	1.356	.3997	.3437	1.652

#1	19.60	187.6	11.60	3.460	11.26	13.93	.9680
#2	19.68	187.4	11.59	3.480	11.28	13.94	1.002
#3	19.71	188.6	11.66	3.532	11.30	13.92	.9680
#4	19.78	189.1	11.71	3.564	11.36	14.02	.9840

Elem	Tl1908
Avge	.6595
SDev	.0176
%RSD	2.671

#1	.6840
#2	.6600
#3	.6440
#4	.6500

Standardization Rpt.

03/05/02 10:11:49 AM

page 1

Method: IECW Standard: STD4

Run Time: 03/05/02 10:10:27

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	2.877	26.52	39.65	.5230	4.488
SDev	.070	.07	.07	.0195	.002
%RSD	2.442	.2609	.1828	3.727	.0364

#1	2.804	26.52	39.65	.5360	4.490
#2	2.904	26.43	39.55	.4940	4.486
#3	2.962	26.59	39.67	.5320	4.488
#4	2.838	26.56	39.72	.5300	4.488

Standardization Rpt.

03/05/02 10:16:22 AM

page 1

Method: IECW Standard: STD2

Run Time: 03/05/02 10:15:00

Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	22.67	93.97	30.07	106.1	20.59	11.71	7.179
SDev	.09	.32	.07	.4	.07	.02	.019
%RSD	.3809	.3380	.2272	.3822	.3503	.1664	.2696

#1	22.76	94.20	30.08	106.4	20.67	11.70	7.176
#2	22.65	94.05	30.12	106.0	20.56	11.71	7.200
#3	22.72	94.13	30.11	106.4	20.62	11.74	7.186
#4	22.56	93.50	29.97	105.6	20.50	11.70	7.154

Elem	Mn2576	Pb2203	Zn2138
Avge	23.40	4.908	20.31
SDev	.08	.027	.10
%RSD	.3312	.5592	.5034

#1	23.49	4.942	20.36
#2	23.39	4.912	20.34
#3	23.41	4.900	20.39
#4	23.30	4.876	20.16

Standardization Rpt.

03/05/02 10:34:12 AM

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Method: IECW Standard: STD5
Run Time: 03/05/02 10:32:50

Elem V_2924
Avge 26.68
SDev .12
%RSD .4321

#1 26.74
#2 26.67
#3 26.77
#4 26.52

Analysis Report

03/05/02 10:51:33 AM

page 1

Method: IECW Sample Name: 1pc

Operator: it

Run Time: 03/05/02 10:49:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5007	1.040	.1001	.9758	1.012	.9983	1.030
SDev	.0025	.003	.0478	.0109	.005	.0051	.004
%RSD	.4952	.2519	47.81	1.116	.5048	.5131	.4135

#1	.5011	1.039	.0650	.9751	1.013	.9969	1.026
#2	.5028	1.039	.0650	.9796	1.018	1.003	1.036
#3	.4971	1.039	.1040	.9614	1.005	.9917	1.028
#4	.5017	1.044	.1663	.9873	1.013	1.001	1.029

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.016	1.016	.9954	.9819	1.026	<.0000	1.012
SDev	.011	.008	.0080	.0044	.005	.3624	.018
%RSD	1.079	.7774	.8013	.4454	.5210	734.4	1.826

#1	1.006	1.016	.9975	.9776	1.028	<.0000	1.016
#2	1.031	1.024	.9975	.9856	1.032	<.0000	1.002
#3	1.012	1.005	.9841	.9786	1.020	.1974	.9946
#4	1.014	1.019	1.003	.9856	1.023	.3159	1.036

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.010	.9744	1.034	1.025	1.017	.9628	<.0000
SDev	.006	.0160	.016	.004	.026	.0352	.0389
%RSD	.6298	1.640	1.509	.4351	2.561	3.661	21.14

#1	1.006	.9508	1.038	1.018	.9982	.9804	<.0000
#2	1.019	.9803	1.019	1.027	1.012	.9335	<.0000
#3	1.005	.9803	1.024	1.027	1.003	1.004	<.0000
#4	1.012	.9862	1.054	1.027	1.055	.9335	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9870	1.030	.9983	1.020
SDev	.0208	.113	.0067	.002
%RSD	2.105	11.00	.6695	.1660

#1	.9729	.9253	.9978	1.019
#2	.9955	1.001	1.005	1.022
#3	.9673	1.001	.9893	1.018
#4	1.012	1.191	1.002	1.020

Analysis Report

03/05/02 11:05:53 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 03/05/02 11:03:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0530	<.0000	<.0000	<.0000	<.0000
SDev	.0007	.0097	.0666	.0017	.0004	.0000	.0021
%RSD	20.13	40.91	125.7	52.10	22.22	.0000	46.35

#1	<.0000	<.0000	.0414	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0099	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.1504	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0102	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0004	<.0000	<.0000
SDev	.0024	.0011	.0005	.0010	.0026	.3246	.0105
%RSD	76.90	72.39	76.74	11.26	594.0	21.22	120.1

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0000	<.0000	.0026	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0026	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	.0036	<.0000	<.0000
SDev	.0004	.0089	.0173	.0064	.0081	.0234	.1922
%RSD	28.61	19.99	59.88	577.1	227.1	66.74	269.0

#1	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	.0120
#2	<.0000	<.0000	<.0000	<.0000	.0048	.0000	.1550
#3	<.0000	<.0000	<.0000	.0078	.0143	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0285	<.0000	<.0000
SDev	.0071	.1174	.0012	.0008
%RSD	10.07	412.2	29.99	40.87

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0190	<.0000	<.0000
#3	<.0000	.0949	<.0000	<.0000
#4	<.0000	.1328	<.0000	<.0000

Analysis Report

03/05/02 11:29:19 AM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 03/05/02 11:27:28

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	.0123	.2597	.2101	.2558	.2550	.0491	.0111
SDev	.0003	.0027	.0742	.0026	.0011	.0002	.0006
%RSD	2.326	1.038	35.32	1.004	.4503	.4470	5.025

#1	.0124	.2568	.2592	.2528	.2537	.0488	.0109
#2	.0118	.2620	.2591	.2566	.2555	.0493	.0112
#3	.0124	.2620	.2199	.2550	.2563	.0493	.0105
#4	.0124	.2581	.1023	.2589	.2546	.0489	.0118

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1027	.1055	.2523	.2557	.2569	<.0000	<.0000
SDev	.0020	.0007	.0014	.0013	.0016	.1230	.0125
%RSD	1.952	.6348	.5404	.5073	.6404	21.08	683.3

#1	.1036	.1045	.2511	.2541	.2582	<.0000	.0095
#2	.1049	.1056	.2517	.2562	.2565	<.0000	<.0000
#3	.1022	.1056	.2542	.2572	.2582	<.0000	<.0000
#4	.1002	.1060	.2522	.2552	.2548	<.0000	.0060

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2569	.1026	.1064	.2593	.2667	.2266	.3282
SDev	.0011	.0059	.0206	.0104	.0330	.0572	.1017
%RSD	.4317	5.725	19.38	4.008	12.35	25.22	30.97

#1	.2564	.0997	.1358	.2715	.2299	.2500	.1870
#2	.2581	.0997	.0920	.2582	.2489	.1800	.3753
#3	.2573	.0997	.0920	.2611	.2868	.1800	.4223
#4	.2556	.1114	.1058	.2463	.3011	.2966	.3282

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.0926	.4068	.0991	.2580
SDev	.0167	.1547	.0016	.0036
%RSD	18.08	38.04	1.605	1.381

#1	.1108	.5205	.0990	.2553
#2	.0884	.5584	.0974	.2572
#3	.0715	.2931	.0990	.2632
#4	.0996	.2552	.1013	.2562

Analysis Report

03/05/02 11:32:38 AM

page 1

Method: IECW Sample Name: lrp

Operator: it

Run Time: 03/05/02 11:30:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0003	.0046	.0039	<.0000	.0002	.0001	.0003
SD	.0012	.0103	.0419	.0029	.0000	.0001	.0020
%RSD	412.3	224.9	1084.	384.5	.1250	66.67	723.4

#1	.0004	<.0000	<.0000	<.0000	.0002	.0001	<.0000
#2	<.0000	.0072	.0195	.0000	.0002	.0001	<.0000
#3	.0016	.0163	.0272	.0031	.0002	.0001	.0031
#4	.0004	.0033	.0274	<.0000	.0002	.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	.0010	.0005	<.0000	.3404	.0026
SD	.0021	.0015	.0015	.0010	.0000	.4451	.0075
%RSD	1243.	151.1	143.8	200.0	.0655	130.8	288.1

#1	.0015	<.0000	<.0000	.0000	<.0000	<.0000	.0026
#2	.0002	<.0000	.0030	.0000	<.0000	.8170	<.0000
#3	.0008	.0010	.0009	.0020	<.0000	.6224	<.0000
#4	<.0000	<.0000	.0009	<.0000	<.0000	<.0000	.0131

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0000	.0029	.0374	<.0000	.0107	.0058	<.0000
SD	.0008	.0059	.0187	.0068	.0157	.0135	.1043
%RSD	970300.	200.2	50.09	304.8	146.9	231.4	126.7

#1	.0006	.0059	.0253	.0011	.0119	<.0000	<.0000
#2	<.0000	.0059	.0207	.0056	.0213	.0175	<.0000
#3	.0006	.0059	.0414	<.0000	.0213	<.0000	<.0000
#4	<.0000	<.0000	.0622	<.0000	<.0000	.0175	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	<.0000	.0379	.0015	.0007
SD	.0165	.0781	.0010	.0013
%RSD	24.05	206.2	62.89	167.8

#1	<.0000	.0284	.0002	.0005
#2	<.0000	.0284	.0017	<.0000
#3	<.0000	.1421	.0017	.0005
#4	<.0000	<.0000	.0025	.0025

Analysis Report

03/05/02 11:39:43 AM

page 1

Method: IECW Sample Name: 1335

Operator: it

Run Time: 03/05/02 11:37:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0217	<.0000	.0056	.0164	.0000	12.58
SDev	.0006	.0153	.1024	.0022	.0008	.0001	.07
%RSD	47.59	70.43	6270.	39.02	5.182	200.0	.5770

#1	<.0000	.0093	<.0000	.0081	.0167	.0000	12.66
#2	<.0000	.0093	.0633	.0027	.0158	.0000	12.50
#3	<.0000	.0407	.0863	.0058	.0158	.0001	12.61
#4	<.0000	.0276	<.0000	.0058	.0176	.0000	12.53

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0012	.0054	.0266	.1264	4.984
SDev	.0020	.0017	.0017	.0010	.0022	.2684	.048
%RSD	487.7	276.8	137.0	17.66	8.181	212.2	.9714

#1	.0006	.0013	.0029	.0047	.0236	.1945	5.025
#2	<.0000	<.0000	<.0000	.0047	.0288	.0000	4.924
#3	.0006	<.0000	.0003	.0067	.0271	.4668	5.022
#4	.0006	<.0000	.0024	.0057	.0271	<.0000	4.966

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0305	.0055	9.621	.0051	.0261	.0167	<.0000
SDev	.0004	.0118	.043	.0085	.0226	.0191	.0607
%RSD	1.414	212.3	.4487	168.4	86.60	114.4	50.58

#1	.0303	.0114	9.661	<.0000	.0403	<.0000	<.0000
#2	.0312	.0114	9.560	.0043	.0024	.0400	<.0000
#3	.0303	<.0000	9.636	.0162	.0118	.0166	<.0000
#4	.0303	.0114	9.627	.0043	.0498	.0166	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.270	.2384	.0005	.0008
SDev	.019	.0648	.0007	.0010
%RSD	.8408	27.18	136.0	131.8

#1	2.272	.2478	.0007	.0012
#2	2.250	.3238	<.0000	.0013
#3	2.295	.2099	.0015	.0012
#4	2.261	.1721	<.0000	<.0000

Analysis Report

03/05/02 11:42:13 AM

page 1

Method: IECW Sample Name: 1442

Operator: it

Run Time: 03/05/02 11:40:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0136	<.0000	.0042	.0134	.0000	6.247
SDev	.0007	.0076	.0602	.0021	.0005	.0000	.018
%RSD	57.82	55.90	549.5	49.25	3.827	.0000	.2868

#1	<.0000	.0155	<.0000	.0011	.0129	.0000	6.240
#2	<.0000	.0129	.0185	.0049	.0129	.0000	6.234
#3	<.0000	.0038	.0342	.0057	.0138	.0000	6.274
#4	<.0000	.0221	.0027	.0049	.0138	.0000	6.240

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0059	.0283	<.0000	1.370
SDev	.0022	.0010	.0015	.0000	.0026	.2894	.022
%RSD	152.4	132.6	115.9	.0090	9.104	124.0	1.575

#1	<.0000	<.0000	<.0000	.0059	.0270	.1556	1.341
#2	<.0000	.0006	<.0000	.0059	.0304	<.0000	1.382
#3	.0008	<.0000	<.0000	.0059	.0304	<.0000	1.389
#4	.0001	<.0000	.0006	.0059	.0253	<.0000	1.369

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0323	.0043	8.017	.0041	.0356	<.0000	<.0000
SDev	.0010	.0074	.033	.0043	.0236	.0294	.1630
%RSD	3.071	171.7	.4107	103.6	66.24	246.1	171.9

#1	.0331	<.0000	8.008	.0008	.0024	<.0000	.1405
#2	.0314	.0058	7.975	.0097	.0498	.0172	<.0000
#3	.0331	.0117	8.033	.0052	.0545	<.0000	<.0000
#4	.0314	.0058	8.051	.0008	.0356	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8627	<.0000	.0005	.0004
SDev	.0107	.0717	.0015	.0008
%RSD	1.241	337.1	288.6	202.7

#1	.8544	<.0000	<.0000	.0004
#2	.8655	.0261	.0017	.0014
#3	.8767	<.0000	.0017	.0004
#4	.8543	.0261	.0001	<.0000

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Method: IECW Sample Name: 1910

Operator: it

Run Time: 03/05/02 11:45:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0103	<.0000	.0034	.0138	.0000	6.344
SDev	.0026	.0083	.0174	.0016	.0007	.0001	.044
%RSD	187.2	80.33	560.3	48.33	5.243	81e6	.6948

#1	<.0000	.0077	.0185	.0042	.0147	.0000	6.392
#2	.0009	.0155	<.0000	.0049	.0138	.0000	6.285
#3	<.0000	<.0000	<.0000	.0034	.0129	<.0000	6.346
#4	.0003	.0181	.0027	.0011	.0138	.0001	6.355

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0304	.0778	1.403
SDev	.0031	.0025	.0020	.0008	.0014	.2946	.011
%RSD	126.9	422.3	133.3	525.8	4.608	378.6	.7693

#1	<.0000	<.0000	<.0000	<.0000	.0321	.1167	1.403
#2	<.0000	<.0000	<.0000	.0008	.0304	.2723	1.393
#3	<.0000	<.0000	<.0000	<.0000	.0287	<.0000	1.396
#4	.0021	.0025	.0011	<.0000	.0304	.2723	1.417

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0273	.0028	7.611	<.0000	.0142	.0347	<.0000
SDev	.0004	.0059	.060	.0056	.0119	.0613	.0471
%RSD	1.567	206.9	.7920	305.4	83.92	176.6	39.76

#1	.0271	.0058	7.674	.0052	.0024	.0406	<.0000
#2	.0271	.0058	7.529	<.0000	.0308	.0639	<.0000
#3	.0271	<.0000	7.618	<.0000	.0119	<.0000	<.0000
#4	.0280	.0058	7.623	<.0000	.0118	.0872	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8374	.0640	.0003	.0001
SDev	.0194	.0758	.0010	.0005
%RSD	2.321	118.6	306.6	330.9

#1	.8094	.1019	.0001	<.0000
#2	.8430	.1019	.0017	.0004
#3	.8542	.1019	<.0000	.0004
#4	.8430	<.0000	.0001	.0004

Analysis Report

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page 1

Method: IECW Sample Name: 1910aup

Operator: it

Run Time: 03/05/02 11:49:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Ba3130	Ca3179
Avg	<.0000	.0041	<.0000	.0046	.0140	<.0000	6.361
SDev	.0018	.0089	.0761	.0024	.0004	.0001	.054
%RSD	106.2	217.6	172.3	51.93	3.162	200.0	.8445
#1	<.0000	.0103	<.0000	.0057	.0147	.0000	6.373
#2	<.0000	<.0000	<.0000	.0011	.0138	<.0000	6.336
#3	<.0000	.0129	<.0000	.0065	.0138	.0000	6.431
#4	<.0000	<.0000	.0657	.0049	.0138	.0000	6.306
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0282	<.0000	1.416
SDev	.0020	.0008	.0008	.0010	.0043	.3013	.027
%RSD	270.3	32.54	86.27	152.4	15.23	110.7	1.902
#1	<.0000	<.0000	.0001	<.0000	.0338	.0000	1.417
#2	<.0000	<.0000	<.0000	<.0000	.0270	<.0000	1.389
#3	.0014	<.0000	<.0000	<.0000	.0235	<.0000	1.452
#4	.0001	<.0000	<.0000	<.0000	.0287	<.0000	1.403
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0278	.0014	7.593	.0022	.0154	.0056	<.0000
SDev	.0004	.0056	.053	.0044	.0157	.0233	.0470
%RSD	1.547	409.6	.7004	194.8	101.7	417.1	194.0
#1	.0271	.0058	7.623	.0052	.0261	<.0000	.0463
#2	.0280	<.0000	7.575	<.0000	<.0000	<.0000	<.0000
#3	.0280	.0058	7.646	<.0000	.0166	.0406	<.0000
#4	.0280	<.0000	7.526	.0067	.0261	<.0000	<.0000
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avg	.8514	<.0000	<.0000	<.0000			
SDev	.0097	.1677	.0007	.0013			
%RSD	1.136	7030.	162.2	148.4			
#1	.8598	.1776	<.0000	.0004			
#2	.8430	<.0000	<.0000	<.0000			
#3	.8598	<.0000	.0001	<.0000			
#4	.8430	.1019	.0001	<.0000			

Analysis Report

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Method: IECW Sample Name: 1910spk

Operator: it

Run Time: 03/05/02 12:02:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Se3130	Ca3179
Avge	.0096	.2558	.2518	.2634	.2646	.0483	6.278
SDev	.0016	.0115	.0380	.0025	.0004	.0002	.019
%RSD	17.07	4.493	15.08	.9572	.1679	.4541	.3007

#1	.0109	.2718	.2982	.2605	.2649	.0486	6.298
#2	.0109	.2562	.2207	.2666	.2649	.0483	6.290
#3	.0074	.2457	.2674	.2628	.2640	.0483	6.270
#4	.0092	.2496	.2208	.2636	.2649	.0481	6.256

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1060	.1011	.2477	.2482	.2895	<.0000	1.375
SDev	.0029	.0018	.0025	.0021	.0028	.2619	.010
%RSD	2.687	1.809	.9944	.8423	.9707	32.96	.7280

#1	.1073	.1019	.2492	.2507	.2895	<.0000	1.381
#2	.1039	.1005	.2502	.2487	.2860	<.0000	1.377
#3	.1033	.1030	.2461	.2477	.2895	<.0000	1.381
#4	.1093	.0988	.2451	.2457	.2929	<.0000	1.360

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2786	.0937	7.494	.2542	.2560	.2032	.2446
SDev	.0005	.0059	.018	.0146	.0164	.0223	.0802
%RSD	.1779	6.275	.2453	5.758	6.417	11.00	32.79

#1	.2791	.0849	7.496	.2668	.2702	.1973	.1624
#2	.2782	.0967	7.512	.2668	.2702	.2207	.2568
#3	.2782	.0967	7.468	.2430	.2417	.1741	.3503
#4	.2791	.0967	7.498	.2401	.2417	.2207	.2094

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.101	.2731	.0960	.2532
SDev	.014	.1769	.0019	.0009
%RSD	1.269	64.78	1.970	.3751

#1	1.088	.0922	.0983	.2524
#2	1.099	.5112	.0944	.2534
#3	1.099	.2827	.0968	.2524
#4	1.121	.2065	.0944	.2544

Analysis Report

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page 1

Method: IECW Sample Name: 1911

Operator: it

Run Time: 03/05/02 12:05:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0477	.0036	.0125	<.0000	6.291
SDev	.0003	.0058	.1057	.0020	.0004	.0001	.052
%RSD	7.468	48.58	221.5	55.74	3.521	25.12	.8318

#1	<.0000	<.0000	.0768	.0032	.0131	<.0000	6.365
#2	<.0000	<.0000	<.0000	.0047	.0123	<.0000	6.259
#3	<.0000	<.0000	.1469	.0010	.0123	<.0000	6.249
#4	<.0000	<.0000	.0691	.0055	.0123	<.0000	6.290

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0021	<.0000	<.0000	<.0000	.0330	<.0000	1.350
SDev	.0017	.0021	.0017	.0006	.0038	.3196	.019
%RSD	79.40	82.43	65.18	30.27	11.53	24.99	1.435

#1	.0013	<.0000	<.0000	<.0000	.0368	<.0000	1.363
#2	.0013	<.0000	<.0000	<.0000	.0351	<.0000	1.356
#3	.0046	<.0000	<.0000	<.0000	.0283	<.0000	1.322
#4	.0013	<.0000	<.0000	<.0000	.0317	<.0000	1.360

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0261	<.0000	8.055	<.0000	.0071	.0056	<.0000
SDev	.0004	.0059	.063	.0046	.0113	.0350	.2064
%RSD	1.646	6981.	.7854	73.23	158.7	620.2	290.5

#1	.0258	.0029	8.127	<.0000	.0190	<.0000	<.0000
#2	.0258	.0028	8.046	<.0000	<.0000	<.0000	.0228
#3	.0259	.0029	7.975	<.0000	.0000	<.0000	.1637
#4	.0267	<.0000	8.072	<.0000	.0142	.0582	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.8796	.0168	<.0000	<.0000
SDev	.0242	.0983	.0009	.0005
%RSD	2.747	586.3	32.17	45.75

#1	.9157	.0548	<.0000	<.0000
#2	.8713	<.0000	<.0000	<.0000
#3	.8658	<.0000	<.0000	<.0000
#4	.8657	.1310	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1912

Run Time: 03/05/02 12:07:15

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0846	.0040	.0123	<.0000	6.305
SDev	.0014	.0113	.0583	.0026	.0000	.0001	.043
%RSD	30.89	77.83	68.84	66.21	.0412	14.29	.6823

#1	<.0000	<.0000	.1470	.0048	.0123	<.0000	6.292
#2	<.0000	<.0000	.0068	.0063	.0123	<.0000	6.363
#3	<.0000	<.0000	.1001	.0047	.0123	<.0000	6.305
#4	<.0000	<.0000	.0846	.0002	.0123	<.0000	6.260

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0038	<.0000	<.0000	.0008	.0343	<.0000	1.349
SDev	.0017	.0012	.0008	.0010	.0041	.2692	.031
%RSD	44.23	81.24	71.10	113.0	11.94	21.88	2.329

#1	.0046	<.0000	<.0000	<.0000	.0300	<.0000	1.325
#2	.0046	<.0000	.0001	.0016	.0317	<.0000	1.395
#3	.0013	<.0000	<.0000	.0016	.0386	<.0000	1.332
#4	.0046	<.0000	<.0000	.0006	.0369	<.0000	1.346

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0278	<.0000	8.569	<.0000	<.0000	<.0000	.0111
SDev	.0004	.0088	.061	.0082	.0219	.0233	.0450
%RSD	1.539	196.2	.7089	563.3	461.9	12770.	405.3

#1	.0276	<.0000	8.538	<.0000	<.0000	<.0000	.0699
#2	.0284	<.0000	8.658	.0082	.0142	<.0000	<.0000
#3	.0276	.0029	8.557	.0023	.0142	<.0000	.0228
#4	.0276	.0029	8.524	<.0000	<.0000	.0348	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8741	.0358	<.0000	<.0000
SDev	.0096	.0659	.0012	.0009
%RSD	1.101	184.1	34.56	160.6

#1	.8658	<.0000	<.0000	<.0000
#2	.8712	.0929	<.0000	<.0000
#3	.8880	.0549	<.0000	<.0000
#4	.8713	.0549	<.0000	.0006

Analysis Report

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Method: IECW Sample Name: 1913
 Run Time: 03/05/02 12:09:43
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0955	.0075	.0079	<.0000	15.02
SDev	.0017	.0139	.0470	.0040	.0004	.0001	.14
%RSD	92.76	186.0	49.23	52.48	5.655	38.30	.9602

#1	<.0000	<.0000	.0725	.0060	.0077	<.0000	14.90
#2	<.0000	<.0000	.1421	.0091	.0077	<.0000	14.94
#3	<.0000	.0052	.0410	.0121	.0086	<.0000	15.00
#4	<.0000	<.0000	.1264	.0029	.0076	<.0000	15.22

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0031	<.0000	.0012	.0217	.5743	.3778	7.645
SDev	.0008	.0027	.0019	.0017	.0065	.4261	.065
%RSD	26.90	444.5	152.0	7.907	1.126	112.8	.8541

#1	.0030	<.0000	.0001	.0194	.5721	<.0000	7.579
#2	.0023	<.0000	.0037	.0214	.5756	.5038	7.617
#3	.0043	.0021	.0016	.0234	.5670	.8913	7.652
#4	.0030	.0011	<.0000	.0224	.5824	.2325	7.732

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0565	<.0000	38.03	.0059	.0023	<.0000	.0895
SDev	.0011	.0056	.27	.0063	.0167	.0001	.0899
%RSD	1.904	113.2	.7094	106.0	722.0	.3573	100.4

#1	.0563	<.0000	37.86	.0126	<.0000	<.0000	.0661
#2	.0554	.0024	37.90	<.0000	.0189	<.0000	.1599
#3	.0563	<.0000	37.92	.0051	.0142	<.0000	<.0000
#4	.0580	<.0000	38.43	.0081	<.0000	<.0000	.1599

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	5.768	.1109	<.0000	.0242
SDev	.064	.0191	.0007	.0008
%RSD	1.115	17.18	71.18	3.340

#1	5.714	.1205	<.0000	.0242
#2	5.731	.1204	<.0000	.0232
#3	5.770	.0823	<.0000	.0242
#4	5.858	.1202	<.0000	.0252

Analysis Report

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page 1

Method: IECW Sample Name: 1914

Operator: it

Run Time: 03/05/02 12:11:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0255	.0413	.0051	.0138	<.0000	6.844
SDev	.0008	.0066	.0427	.0025	.0004	.0001	.014
%RSD	780.5	25.84	103.4	49.74	3.231	20.00	.1999

#1	.0006	.0278	.0684	.0024	.0140	<.0000	6.830
#2	<.0000	.0239	.0219	.0085	.0140	<.0000	6.857
#3	<.0000	.0174	<.0000	.0047	.0131	<.0000	6.854
#4	.0006	.0330	.0839	.0047	.0140	<.0000	6.835

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0034	.0002	.0020	.0059	.0355	.0194	1.567
SDev	.0021	.0006	.0017	.0010	.0022	.2943	.022
%RSD	60.29	296.9	84.73	16.42	6.082	1519.	1.412

#1	.0033	.0011	.0026	.0066	.0350	.3100	1.558
#2	.0006	<.0000	.0031	.0046	.0350	<.0000	1.569
#3	.0046	.0001	<.0000	.0066	.0333	.1163	1.544
#4	.0053	.0001	.0031	.0056	.0385	.0388	1.597

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0252	<.0000	7.884	.0018	<.0000	<.0000	<.0000
SDev	.0004	.0074	.031	.0060	.0113	.0481	.2042
%RSD	1.704	99.02	.3946	326.3	473.5	163.1	1620.

#1	.0250	.0028	7.893	.0082	.0142	<.0000	.1634
#2	.0258	<.0000	7.921	<.0000	<.0000	<.0000	<.0000
#3	.0250	<.0000	7.847	.0052	<.0000	.0114	<.0000
#4	.0250	<.0000	7.875	<.0000	<.0000	.0113	.1634

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9458	<.0000	<.0000	.0011
SDev	.0190	.0958	.0004	.0006
%RSD	2.006	3597.	142.2	50.59

#1	.9541	<.0000	<.0000	.0006
#2	.9208	<.0000	<.0000	.0006
#3	.9653	<.0000	<.0000	.0016
#4	.9430	.1306	.0003	.0016

Analysis Report

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page 1

Method: IECW Sample Name: 1915

Operator: it

Run Time: 03/05/02 12:14:29

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0157	.0660	.0081	.0155	<.0000	9.305
SDev	.0022	.0140	.0459	.0029	.0000	.0001	.026
%RSD	507.4	89.14	69.46	36.25	.0169	20.00	.2800
#1	.0017	.0366	.0832	.0083	.0155	<.0000	9.278
#2	.0006	.0066	.0991	.0068	.0155	<.0000	9.289
#3	<.0000	.0105	.0836	.0121	.0155	<.0000	9.323
#4	<.0000	.0092	<.0000	.0053	.0155	<.0000	9.332
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0037	<.0000	.0019	.0053	.0427	.2906	2.489
SDev	.0017	.0029	.0013	.0005	.0036	.4623	.012
%RSD	44.90	430.2	66.72	9.487	8.307	159.1	.4624
#1	.0012	.0032	.0026	.0045	.0431	.6200	2.478
#2	.0046	<.0000	.0026	.0055	.0466	.3875	2.482
#3	.0046	<.0000	<.0000	.0055	.0431	.5425	2.495
#4	.0046	<.0000	.0026	.0055	.0380	<.0000	2.502
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0335	.0028	11.27	<.0000	<.0000	.0054	.0457
SDev	.0007	.0000	.04	.0057	.0116	.0117	.1409
%RSD	2.093	.2754	.3545	420.4	112900.	216.5	308.5
#1	.0335	.0028	11.22	.0020	.0142	.0112	<.0000
#2	.0335	.0028	11.27	<.0000	<.0000	.0112	.1631
#3	.0326	.0028	11.26	.0049	<.0000	.0112	.1631
#4	.0343	.0028	11.32	<.0000	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.073	<.0000	.0001	<.0000			
SDev	.025	.1258	.0013	.0000			
%RSD	2.328	243.2	1818.	.1773			
#1	1.086	<.0000	.0018	<.0000			
#2	1.086	<.0000	.0003	<.0000			
#3	1.086	<.0000	<.0000	<.0000			
#4	1.036	.0911	<.0000	<.0000			

Analysis Report

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Method: IECW Sample Name: 1916

Operator: it

Run Time: 03/05/02 12:17:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0037	.1136	.0059	.0122	<.0000	6.725
SDev	.0023	.0103	.0967	.0024	.0000	.0001	.049
%RSD	86.00	277.1	85.14	40.25	.0363	16.67	.7269

#1	<.0000	<.0000	.1000	.0070	.0122	<.0000	6.753
#2	.0006	.0122	<.0000	.0048	.0122	<.0000	6.652
#3	<.0000	.0122	.2241	.0032	.0122	<.0000	6.750
#4	<.0000	<.0000	.1390	.0086	.0122	<.0000	6.745

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0023	<.0000	.0011	.0126	.0269	<.0000	1.310
SDev	.0009	.0009	.0024	.0025	.0038	.5056	.015
%RSD	37.92	238.6	208.2	19.47	14.15	102.3	1.157

#1	.0019	<.0000	.0017	.0106	.0300	<.0000	1.290
#2	.0026	<.0000	.0042	.0157	.0282	.0775	1.308
#3	.0013	.0007	<.0000	.0136	.0282	<.0000	1.318
#4	.0033	<.0000	<.0000	.0106	.0214	<.0000	1.325

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0153	<.0000	7.367	<.0000	<.0000	.0056	<.0000
SDev	.0004	.0068	.051	.0092	.0201	.0223	.1604
%RSD	2.797	224.1	.6990	1321.	423.8	398.4	336.8

#1	.0147	<.0000	7.417	<.0000	<.0000	.0348	<.0000
#2	.0155	<.0000	7.346	<.0000	.0237	.0114	<.0000
#3	.0155	.0028	7.304	.0097	<.0000	<.0000	<.0000
#4	.0155	.0029	7.399	.0038	<.0000	<.0000	.1637

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9268	.0358	<.0000	.0006
SDev	.0045	.1184	.0010	.0008
%RSD	.4879	330.3	53.93	125.6

#1	.9269	.0930	<.0000	<.0000
#2	.9213	<.0000	<.0000	.0006
#3	.9324	.1310	<.0000	.0006
#4	.9268	.0549	<.0000	.0016

Analysis Report

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Method: IECW Sample Name: 1936

Operator: it

Run Time: 03/05/02 12:19:33

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0116	.0280	.0055	.0132	<.0000	6.316
SDev	.0007	.0053	.0769	.0011	.0000	.0001	.055
%RSD	185.8	45.47	275.0	19.54	.0442	20.00	.8668

#1	<.0000	.0044	<.0000	.0055	.0132	<.0000	6.245
#2	<.0000	.0162	.0066	.0070	.0132	<.0000	6.322
#3	<.0000	.0148	.0998	.0047	.0131	<.0000	6.379
#4	.0006	.0109	.0765	.0047	.0131	<.0000	6.319

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0036	<.0000	<.0000	<.0000	.0274	<.0000	1.406
SDev	.0013	.0019	.0008	.0005	.0030	.3018	.022
%RSD	35.49	375.0	187.9	324.0	10.88	77.89	1.559

#1	.0033	.0019	<.0000	.0006	.0265	<.0000	1.381
#2	.0046	.0001	<.0000	<.0000	.0317	<.0000	1.395
#3	.0046	<.0000	<.0000	<.0000	.0265	<.0000	1.423
#4	.0019	<.0000	.0006	<.0000	.0248	<.0000	1.426

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0250	<.0000	4.780	.0045	.0083	.0114	<.0000
SDev	.0010	.0088	.031	.0060	.0157	.0270	.1503
%RSD	3.965	561.4	.6536	134.2	188.9	236.3	1205.

#1	.0241	<.0000	4.751	.0127	<.0000	.0348	<.0000
#2	.0258	<.0000	4.818	.0052	.0190	.0347	<.0000
#3	.0258	.0087	4.793	<.0000	.0237	<.0000	<.0000
#4	.0241	.0028	4.758	.0008	<.0000	<.0000	.2105

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6853	.1119	<.0000	<.0000
SDev	.0277	.2337	.0011	.0005
%RSD	4.047	208.9	240.0	83.62

#1	.6771	<.0000	<.0000	<.0000
#2	.6881	.0928	<.0000	<.0000
#3	.7214	.1309	.0011	<.0000
#4	.6548	.3975	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: ipc
 Run Time: 03/05/02 12:24:47
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5079	1.047	.0762	.9556	1.036	1.008	1.022
SDev	.0016	.011	.0213	.0073	.002	.002	.002
%RSD	.3222	1.099	27.97	.7652	.1625	.1584	.2353

#1	.5083	1.056	.1013	.9564	1.036	1.007	1.019
#2	.5066	1.030	.0628	.9635	1.037	1.009	1.022
#3	.5100	1.047	.0859	.9487	1.037	1.009	1.025
#4	.5066	1.052	.0548	.9518	1.034	1.006	1.020

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.048	1.022	1.009	1.008	1.025	<.0000	.9866
SDev	.005	.004	.004	.002	.001	.2268	.0132
%RSD	.4355	.3745	.3751	.1727	.0837	49.81	1.333

#1	1.045	1.022	1.005	1.008	1.026	<.0000	1.001
#2	1.053	1.024	1.013	1.008	1.024	<.0000	.9840
#3	1.051	1.025	1.011	1.009	1.026	<.0000	.9909
#4	1.043	1.017	1.007	1.005	1.026	<.0000	.9700

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.026	.9541	.9761	1.031	.9942	.9069	<.0000
SDev	.004	.0166	.0258	.008	.0390	.0863	.1109
%RSD	.3442	1.742	2.639	.7660	3.921	9.514	650.7

#1	1.030	.9423	.9477	1.040	1.038	1.012	.0651
#2	1.026	.9423	.9616	1.022	.9527	.8252	<.0000
#3	1.025	.9541	1.003	1.028	1.014	.9419	.0651
#4	1.022	.9776	.9917	1.035	.9717	.8485	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.9954	.9955	1.009	1.032
SDev	.0083	.2140	.003	.003
%RSD	.8377	21.50	.2793	.2644

#1	.9884	1.272	1.007	1.036
#2	.9885	.8908	1.011	1.031
#3	.9995	1.043	1.012	1.034
#4	1.005	.7766	1.006	1.030

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 03/05/02 12:28:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Pg3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0360	<.0000	<.0000	<.0000	<.0000
SDev	.0010	.0069	.0464	.0027	.0005	.0001	.0007
%RSD	8.133	9.149	129.1	141.4	19.30	15.40	2.197

#1	<.0000	<.0000	.1020	.0014	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0242	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0244	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0000	<.0000	<.0000	<.0000	.0000	<.0000	<.0000
SDev	.0024	.0010	.0017	.0010	.0024	.4932	.0103
%RSD	59600.	15.13	24.60	11.43	8160.	14.30	12.53

#1	<.0000	<.0000	<.0000	<.0000	.0017	<.0000	<.0000
#2	.0013	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0017	<.0000	<.0000
#4	.0027	<.0000	<.0000	<.0000	.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0059	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0000	.0059	.0118	.0075	.0203	.0399	.0470
%RSD	.0337	99.24	7.555	92.17	41.70	230.7	100.6

#1	<.0000	.0030	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0030	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0030	<.0000	<.0000	<.0000	.0352	<.0000
#4	<.0000	.0147	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0178	.2285	.0008	.0011
%RSD	20.36	171.7	10.01	51.48

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0573	<.0000	<.0000
#3	<.0000	.0573	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 1937

Operator: it

Run Time: 03/05/02 13:20:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0036	.0127	<.0000	6.103
SDev	.0016	.0167	.0636	.0014	.0004	.0001	.024
%RSD	35.33	86.78	227.9	39.86	3.492	115.5	.3907

#1	<.0000	.0012	.0010	.0057	.0129	<.0000	6.121
#2	<.0000	<.0000	<.0000	.0027	.0129	<.0000	6.068
#3	<.0000	<.0000	<.0000	.0034	.0129	<.0000	6.114
#4	<.0000	<.0000	.0403	.0027	.0121	<.0000	6.107

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0001	<.0000	<.0000	.0266	<.0000	1.357
SDev	.0011	.0004	.0013	.0019	.0024	.5080	.009
%RSD	1634.	299.4	91.52	60.10	9.157	31.44	.6551

#1	<.0000	.0006	<.0000	<.0000	.0248	<.0000	1.354
#2	.0013	<.0000	.0001	<.0000	.0248	<.0000	1.368
#3	<.0000	.0002	<.0000	<.0000	.0266	<.0000	1.361
#4	<.0000	<.0000	<.0000	<.0000	.0300	<.0000	1.347

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0258	.0043	4.609	<.0000	.0059	.0172	<.0000
SDev	.0008	.0056	.021	.0051	.0097	.0578	.0586
%RSD	3.180	130.1	.4605	105.8	164.9	336.3	124.2

#1	.0265	<.0000	4.626	.0004	<.0000	.0807	<.0000
#2	.0265	.0087	4.588	<.0000	.0118	.0345	.0110
#3	.0248	.0029	4.594	<.0000	<.0000	.0114	<.0000
#4	.0256	.0087	4.628	<.0000	.0165	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5929	.1102	<.0000	.0014
SDev	.0230	.3343	.0010	.0014
%RSD	3.879	303.5	32.80	100.4

#1	.6025	.2132	<.0000	.0034
#2	.6080	.5131	<.0000	.0014
#3	.6025	<.0000	<.0000	.0004
#4	.5586	<.0000	<.0000	.0004

Analysis Report

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page 1

Method: IECW Sample Name: 1937dup

Operator: it

Run Time: 03/05/02 13:22:23

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0303	.0063	.0127	<.0000	6.064 <i>6.103</i>
SDev	.0032	.0145	.0467	.0017	.0008	.0001	.062
%RSD	65.90	96.54	154.0	26.73	6.649	115.5	1.022
#1	<.0000	<.0000	.0324	.0057	.0121	<.0000	5.987
#2	<.0000	<.0000	<.0000	.0057	.0121	<.0000	6.048
#3	<.0000	<.0000	.0943	.0050	.0138	<.0000	6.085
#4	<.0000	<.0000	.0087	.0088	.0129	<.0000	6.134
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0002	<.0000	<.0000	.0270 <i>0.0266</i>	<.0000	1.335 <i>1.357</i>
SDev	.0021	.0023	.0023	.0015	.0038	.6080	.035
%RSD	150.7	1049.	219.3	69.74	14.09	39.94	2.600
#1	<.0000	<.0000	.0001	<.0000	.0249	<.0000	1.313
#2	<.0000	.0010	<.0000	<.0000	.0283	<.0000	1.299
#3	<.0000	.0006	.0001	<.0000	.0231	<.0000	1.357
#4	.0013	.0023	.0001	<.0000	.0317	<.0000	1.371
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0252	<.0000	4.582 <i>4.609</i>	<.0000	.0129	<.0000	<.0000
SDev	.0005	.0056	.053	.0120	.0256	.0222	.1721
%RSD	1.957	363.6	1.165	190.8	197.7	372.1	1404.
#1	.0248	.0029	4.522	.0034	<.0000	<.0000	<.0000
#2	.0248	.0029	4.617	<.0000	<.0000	.0114	<.0000
#3	.0256	<.0000	4.553	<.0000	.0118	.0114	.2438
#4	.0256	<.0000	4.635	.0004	.0494	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.5847	.0071	<.0000	.0007			
SDev	.0273	.1419	.0026	.0005			
%RSD	4.674	1987.	159.0	75.72			
#1	.5587	<.0000	<.0000	.0004			
#2	.5642	<.0000	<.0000	.0004			
#3	.6025	<.0000	<.0000	.0004			
#4	.6135	.2132	.0019	.0014			

Analysis Report

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page 1

Method: IECW Sample Name: 1937spk

Operator: it

Run Time: 03/05/02 13:30:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0126	.2711	.2790	.2602	.2659	.0479	6.065
SDev	.0008	.0038	.0287	.0054	.0022	.0004	.061
%RSD	6.791	1.403	10.28	2.062	.8392	.8587	1.001
#1	.0121	.2711	.3159	.2576	.2628	.0472	5.978
#2	.0121	.2659	.2771	.2568	.2663	.0480	6.070
#3	.0138	.2723	.2770	.2583	.2663	.0481	6.099
#4	.0121	.2749	.2459	.2682	.2681	.0481	6.112
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1038	.1048	.2446	.2484	.2805	<.0000	1.362
SDev	.0028	.0019	.0016	.0034	.0045	.1855	.023
%RSD	2.659	1.786	.6533	1.359	1.608	18.74	1.669
#1	.1019	.1020	.2428	.2433	.2740	<.0000	1.333
#2	.1046	.1059	.2464	.2504	.2809	<.0000	1.388
#3	.1073	.1059	.2438	.2504	.2843	<.0000	1.361
#4	.1013	.1055	.2453	.2494	.2826	<.0000	1.367
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sp2068	Se1960
Avge	.2754	.1053	4.613	.2467	.2588	.2765	1.1494
SDev	.0036	.0059	.033	.0094	.0270	.0134	.0760
%RSD	1.322	5.571	.7094	3.788	10.45	4.834	50.88
#1	.2702	.1024	4.574	.2427	.2235	.2880	.0563
#2	.2762	.1141	4.635	.2605	.2611	.2880	.1494
#3	.2762	.1024	4.644	.2441	.2894	.2649	.1494
#4	.2788	.1024	4.599	.2397	.2611	.2649	.2425
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.7905	.2219	.0968	.2523			
SDev	.0094	.1381	.0013	.0032			
%RSD	1.188	62.24	1.360	1.257			
#1	.7946	.2126	.0974	.2511			
#2	.7890	.3999	.0966	.2511			
#3	.8001	.0626	.0982	.2501			
#4	.7781	.2125	.0951	.2570			

Analysis Report

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page 1

Method: IECW Sample Name: 1938

Operator: it

Run Time: 03/05/02 13:33:00

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1436	.0108	.0271	<.0000	23.66
SDev	.0010	.0088	.0579	.0020	.0007	.0001	.13
%RSD	5.623	8.802	40.30	18.68	2.637	23.09	.5352

#1	<.0000	<.0000	.1688	.0096	.0280	<.0000	23.78
#2	<.0000	<.0000	.1921	.0135	.0271	<.0000	23.59
#3	<.0000	<.0000	.1535	.0089	.0262	<.0000	23.51
#4	<.0000	<.0000	.0601	.0112	.0271	<.0000	23.74

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0566	<.0000	7.816
SDev	.0007	.0014	.0019	.0008	.0010	.2389	.040
%RSD	32.61	21.57	31.80	6.875	1.749	7.548	.5101

#1	<.0000	<.0000	<.0000	<.0000	.0557	<.0000	7.855
#2	<.0000	<.0000	<.0000	<.0000	.0575	<.0000	7.793
#3	<.0000	<.0000	<.0000	<.0000	.0558	<.0000	7.772
#4	<.0000	<.0000	<.0000	<.0000	.0575	<.0000	7.844

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0760	<.0000	27.31	<.0000	<.0000	<.0000	<.0000
SDev	.0004	.0029	.14	.0068	.0190	.0189	.1109
%RSD	.5660	152.9	.5250	47.78	43.61	53.02	735.9

#1	.0758	<.0000	27.43	<.0000	<.0000	<.0000	<.0000
#2	.0766	<.0000	27.12	<.0000	<.0000	<.0000	<.0000
#3	.0758	<.0000	27.28	<.0000	<.0000	<.0000	.0548
#4	.0758	.0025	27.41	<.0000	<.0000	<.0000	.1014

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.249	.2404	<.0000	<.0000
SDev	.013	.1467	.0011	.0013
%RSD	1.073	61.03	10.12	190.5

#1	1.249	.2029	<.0000	<.0000
#2	1.233	.0531	<.0000	<.0000
#3	1.249	.3155	<.0000	<.0000
#4	1.266	.3903	<.0000	.0011

Analysis Report

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page 1

Method: IECW Sample Name: 2094

Operator: it

Run Time: 03/05/02 13:35:31

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0602	.0112	.0269	<.0000	23.58
SDev	.0015	.0069	.0064	.0020	.0004	.0001	.07
%RSD	8.851	6.608	10.57	17.64	1.629	15.38	.2981

#1	<.0000	<.0000	.0679	.0104	.0271	<.0000	23.58
#2	<.0000	<.0000	.0523	.0135	.0271	<.0000	23.62
#3	<.0000	<.0000	.0602	.0119	.0262	<.0000	23.49
#4	<.0000	<.0000	.0602	.0089	.0271	<.0000	23.65

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0523	<.0000	7.840
SDev	.0015	.0016	.0005	.0005	.0028	.3257	.024
%RSD	178.3	27.72	8.048	4.487	5.340	11.11	.3112

#1	<.0000	<.0000	<.0000	<.0000	.0523	<.0000	7.831
#2	<.0000	<.0000	<.0000	<.0000	.0523	<.0000	7.858
#3	<.0000	<.0000	<.0000	<.0000	.0489	<.0000	7.810
#4	.0010	<.0000	<.0000	<.0000	.0558	<.0000	7.862

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0689	<.0000	27.34	<.0000	<.0000	<.0000	<.0000
SDev	.0007	.0074	.07	.0087	.0154	.0395	.0698
%RSD	1.015	152.1	.2670	105.1	34.41	132.3	48.80

#1	.0698	.0025	27.33	<.0000	<.0000	<.0000	<.0000
#2	.0689	<.0000	27.32	<.0000	<.0000	.0106	<.0000
#3	.0681	<.0000	27.26	.0047	<.0000	<.0000	<.0000
#4	.0689	<.0000	27.43	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.237	.1280	<.0000	<.0000
SDev	.014	.0530	.0012	.0009
%RSD	1.165	41.45	11.78	82.52

#1	1.249	.1280	<.0000	.0001
#2	1.227	.0905	<.0000	<.0000
#3	1.222	.2030	<.0000	<.0000
#4	1.249	.0905	<.0000	<.0000

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Method: IECW Sample Name: 2145

Operator: it

Run Time: 03/05/02 13:38:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0136	.0021	.0114	<.0000	6.160
SDev	.0011	.0183	.0796	.0022	.0004	.0001	.019
%RSD	7.596	25.80	586.7	104.3	3.907	22.22	.3116

#1	<.0000	<.0000	.0950	.0004	.0112	<.0000	6.165
#2	<.0000	<.0000	.0022	.0049	.0112	<.0000	6.182
#3	<.0000	<.0000	<.0000	.0027	.0121	<.0000	6.158
#4	<.0000	<.0000	.0485	.0004	.0112	<.0000	6.136

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0373	<.0000	1.299
SDev	.0018	.0026	.0020	.0017	.0057	.4307	.010
%RSD	68.37	49.45	24.86	19.47	15.22	11.62	.7498

#1	<.0000	<.0000	<.0000	<.0000	.0300	<.0000	1.306
#2	<.0000	<.0000	<.0000	<.0000	.0438	<.0000	1.299
#3	<.0000	<.0000	<.0000	<.0000	.0386	<.0000	1.285
#4	<.0000	<.0000	<.0000	<.0000	.0369	<.0000	1.306

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0235	<.0000	8.007	<.0000	<.0000	<.0000	<.0000
SDev	.0005	.0059	.044	.0087	.0154	.0189	.1337
%RSD	2.111	12320.	.5527	78.35	43.56	54.44	284.5

#1	.0231	<.0000	7.982	<.0000	<.0000	<.0000	.0577
#2	.0231	<.0000	8.071	<.0000	<.0000	<.0000	<.0000
#3	.0239	<.0000	8.002	<.0000	<.0000	<.0000	.0578
#4	.0239	.0087	7.973	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7343	.0822	<.0000	<.0000
SDev	.0090	.1165	.0010	.0014
%RSD	1.222	141.8	10.64	88.96

#1	.7233	.1384	<.0000	<.0000
#2	.7343	<.0000	<.0000	<.0000
#3	.7453	.0260	<.0000	<.0000
#4	.7343	.2134	<.0000	<.0000

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Method: IECW Sample Name: 2146

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0306	.0019	.0121	<.0000	6.180
SDev	.0010	.0092	.0372	.0009	.0000	.0001	.024
%RSD	9.798	23.12	121.5	46.26	.0201	28.57	.3927

#1	<.0000	<.0000	.0327	.0027	.0121	<.0000	6.162
#2	<.0000	<.0000	<.0000	.0011	.0121	<.0000	6.162
#3	<.0000	<.0000	.0481	.0027	.0120	<.0000	6.213
#4	<.0000	<.0000	.0636	.0011	.0121	<.0000	6.183

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0317	<.0000	1.342
SDev	.0008	.0021	.0015	.0005	.0031	.3383	.007
%RSD	148.2	65.64	33.45	6.984	9.895	12.49	.4913

#1	<.0000	<.0000	<.0000	<.0000	.0300	<.0000	1.347
#2	<.0000	<.0000	<.0000	<.0000	.0352	<.0000	1.333
#3	<.0000	<.0000	<.0000	<.0000	.0334	<.0000	1.347
#4	.0006	<.0000	<.0000	<.0000	.0283	<.0000	1.340

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0228	<.0000	7.586	<.0000	<.0000	.0057	<.0000
SDev	.0011	.0000	.029	.0071	.0104	.0221	.0380
%RSD	4.728	.1698	.3813	64.02	80.67	390.3	107.1

#1	.0213	<.0000	7.586	<.0000	<.0000	.0115	<.0000
#2	.0239	<.0000	7.549	<.0000	<.0000	<.0000	<.0000
#3	.0231	<.0000	7.620	<.0000	<.0000	<.0000	<.0000
#4	.0231	<.0000	7.590	<.0000	<.0000	.0346	.0111

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7658	.1664	<.0000	<.0000
SDev	.0221	.0773	.0009	.0010
%RSD	2.889	46.42	13.45	1082.

#1	.7397	.1008	<.0000	<.0000
#2	.7562	.2508	<.0000	.0014
#3	.7781	.2133	<.0000	<.0000
#4	.7891	.1008	<.0000	<.0000

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Method: IECW Sample Name: 2147

Operator: it

Run Time: 03/05/02 13:42:55

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0015	.0118	<.0000	6.073
SDev	.0007	.0117	.0427	.0019	.0004	.0001	.015
%RSD	5.374	18.00	61.00	124.9	3.745	22.22	.2539

#1	<.0000	<.0000	<.0000	.0042	.0121	<.0000	6.083
#2	<.0000	<.0000	<.0000	.0012	.0121	<.0000	6.089
#3	<.0000	<.0000	<.0000	<.0000	.0121	<.0000	6.060
#4	<.0000	<.0000	<.0000	.0012	.0112	<.0000	6.059

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0292	<.0000	1.299
SDev	.0019	.0013	.0017	.0015	.0030	.3004	.006
%RSD	155.6	29.43	27.07	47.65	10.21	8.248	.4328

#1	<.0000	<.0000	<.0000	<.0000	.0317	<.0000	1.299
#2	<.0000	<.0000	<.0000	<.0000	.0249	<.0000	1.306
#3	<.0000	<.0000	<.0000	<.0000	.0300	<.0000	1.292
#4	<.0000	<.0000	<.0000	<.0000	.0300	<.0000	1.299

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0252	<.0000	6.769	<.0000	<.0000	.0231	<.0000
SDev	.0009	.0034	.027	.0009	.0225	.0401	.1006
%RSD	3.405	6767.	.4001	17.94	147.5	173.4	284.5

#1	.0248	<.0000	6.796	<.0000	<.0000	.0115	<.0000
#2	.0265	<.0000	6.768	<.0000	<.0000	.0809	<.0000
#3	.0248	.0029	6.780	<.0000	<.0000	<.0000	<.0000
#4	.0248	.0029	6.732	<.0000	.0118	.0116	.1044

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7124	.0072	<.0000	.0007
SDev	.0185	.1386	.0017	.0009
%RSD	2.594	1914.	21.46	144.6

#1	.7069	.2134	<.0000	.0014
#2	.7179	<.0000	<.0000	.0014
#3	.7343	<.0000	<.0000	.0004
#4	.6904	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 2148

Operator: ll

Run Time: 03/05/02 13:47:35

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0031	.0134	<.0000	8.189
SDev	.0010	.0108	.0696	.0004	.0004	.0000	.040
%RSD	7.149	15.50	431.6	12.25	3.325	.0000	.4831

#1	<.0000	<.0000	.0789	.0033	.0136	<.0000	8.200
#2	<.0000	<.0000	<.0000	.0025	.0127	<.0000	8.204
#3	<.0000	<.0000	<.0000	.0033	.0136	<.0000	8.131
#4	<.0000	<.0000	<.0000	.0033	.0136	<.0000	8.220

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	<.0000	.0826	.0360	<.0000	2.083
SDev	.0015	.0021	.0012	.0013	.0032	.3496	.028
%RSD	2289.	60.53	21.64	1.528	9.029	9.723	1.329

#1	<.0000	<.0000	<.0000	.0828	.0365	<.0000	2.094
#2	.0006	<.0000	<.0000	.0828	.0313	<.0000	2.083
#3	<.0000	<.0000	<.0000	.0808	.0382	<.0000	2.046
#4	.0019	<.0000	<.0000	.0838	.0382	<.0000	2.111

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0299	<.0000	10.26	<.0000	<.0000	<.0000	<.0000
SDev	.0007	.0074	.05	.0116	.0169	.0378	.0586
%RSD	2.342	472.0	.4727	152.9	41.09	108.5	123.6

#1	.0307	<.0000	10.28	<.0000	<.0000	<.0000	.0108
#2	.0299	.0087	10.31	<.0000	<.0000	<.0000	<.0000
#3	.0290	<.0000	10.20	<.0000	<.0000	<.0000	<.0000
#4	.0299	<.0000	10.26	.0091	<.0000	.0114	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8262	.1746	<.0000	.0004
SDev	.0290	.1298	.0019	.0008
%RSD	3.509	74.34	24.83	218.9

#1	.8207	.2870	<.0000	.0014
#2	.8426	.2871	<.0000	<.0000
#3	.7878	.0623	<.0000	.0004
#4	.8536	.0622	<.0000	.0004

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Method: IECW Sample Name: 2149

Run Time: 03/05/02 13:50:14

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0291	.0029	.0112	<.0000	6.151
SDev	.0008	.0153	.0601	.0004	.0000	.0001	.032
%RSD	5.901	21.25	206.2	13.23	.0351	22.22	.5241

#1	<.0000	<.0000	<.0000	.0034	.0112	<.0000	6.191
#2	<.0000	<.0000	.0640	.0027	.0112	<.0000	6.138
#3	<.0000	<.0000	.0953	.0027	.0112	<.0000	6.160
#4	<.0000	<.0000	<.0000	.0027	.0112	<.0000	6.115

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0326	<.0000	1.291
SDev	.0019	.0012	.0021	.0008	.0022	.1843	.021
%RSD	69.09	26.50	27.56	15.10	6.805	4.698	1.605

#1	<.0000	<.0000	<.0000	<.0000	.0317	<.0000	1.306
#2	<.0000	<.0000	<.0000	<.0000	.0300	<.0000	1.285
#3	<.0000	<.0000	<.0000	<.0000	.0352	<.0000	1.309
#4	<.0000	<.0000	<.0000	<.0000	.0335	<.0000	1.264

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0252	<.0000	8.592	<.0000	<.0000	<.0000	.0112
SDev	.0009	.0076	.052	.0035	.0272	.0347	.1141
%RSD	3.402	128.1	.6017	39.60	67.95	598.4	1017.

#1	.0265	<.0000	8.662	<.0000	<.0000	.0346	.0577
#2	.0248	.0029	8.553	<.0000	<.0000	.0115	<.0000
#3	.0248	<.0000	8.599	<.0000	<.0000	<.0000	<.0000
#4	.0248	<.0000	8.553	<.0000	<.0000	<.0000	.1510

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.7124	.0447	<.0000	<.0000
SDev	.0261	.1634	.0007	.0006
%RSD	3.666	365.3	7.753	649.5

#1	.7508	.1009	<.0000	.0004
#2	.6959	<.0000	<.0000	<.0000
#3	.6959	<.0000	<.0000	.0004
#4	.7070	.2509	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 2150
 Run Time: 03/05/02 13:54:11
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0034	.0121	<.0000	6.061
SDev	.0012	.0134	.0644	.0026	.0000	.0000	.010
%RSD	8.802	19.03	1098.	76.80	.0100	.0000	.1607

#1	<.0000	<.0000	.0640	.0042	.0121	<.0000	6.070
#2	<.0000	<.0000	<.0000	.0057	.0121	<.0000	6.047
#3	<.0000	<.0000	<.0000	<.0000	.0121	<.0000	6.065
#4	<.0000	<.0000	.0330	.0042	.0121	<.0000	6.062

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0305	<.0000	1.292
SDev	.0019	.0017	.0005	.0015	.0026	.2915	.015
%RSD	135.0	32.18	7.693	69.86	8.471	7.985	1.151

#1	.0013	<.0000	<.0000	<.0000	.0266	<.0000	1.299
#2	<.0000	<.0000	<.0000	<.0000	.0317	<.0000	1.271
#3	<.0000	<.0000	<.0000	<.0000	.0317	<.0000	1.306
#4	<.0000	<.0000	<.0000	<.0000	.0317	<.0000	1.292

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0237	<.0000	6.932	<.0000	<.0000	.0405	.0461
SDev	.0004	.0121	.031	.0047	.0289	.0291	.1338
%RSD	1.811	272.0	.4401	66.99	163.7	71.87	289.9

#1	.0231	.0029	6.953	<.0000	.0165	.0347	.0112
#2	.0239	<.0000	6.960	<.0000	<.0000	.0809	<.0000
#3	.0239	<.0000	6.894	<.0000	<.0000	.0347	.1510
#4	.0239	.0088	6.921	<.0000	<.0000	.0116	.1509

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7357	.1010	<.0000	.0002
SDev	.0027	.0968	.0010	.0009
%RSD	.3707	95.86	11.11	590.1

#1	.7343	.1384	<.0000	.0014
#2	.7344	.0635	<.0000	<.0000
#3	.7398	<.0000	<.0000	<.0000
#4	.7343	.2134	<.0000	.0004

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Method: IECW Sample Name: 2151

Operator: it

Run Time: 03/05/02 13:56:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0032	.0114	<.0000	6.277
SDev	.0012	.0155	.0770	.0014	.0004	.0001	.023
%RSD	8.798	22.53	263.7	44.69	3.907	22.22	.3690

#1	<.0000	<.0000	<.0000	.0042	.0112	<.0000	6.258
#2	<.0000	<.0000	.0793	.0034	.0112	<.0000	6.309
#3	<.0000	<.0000	<.0000	.0011	.0120	<.0000	6.281
#4	<.0000	<.0000	<.0000	.0042	.0112	<.0000	6.262

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0425	<.0000	1.281
SDev	.0014	.0010	.0013	.0015	.0035	.3271	.008
%RSD	111.7	16.80	18.96	29.10	8.333	8.542	.5956

#1	<.0000	<.0000	<.0000	<.0000	.0420	<.0000	1.275
#2	.0006	<.0000	<.0000	<.0000	.0472	<.0000	1.292
#3	<.0000	<.0000	<.0000	<.0000	.0420	<.0000	1.278
#4	<.0000	<.0000	<.0000	<.0000	.0386	<.0000	1.278

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0235	.0029	7.247	<.0000	<.0000	<.0000	.0461
SDev	.0005	.0000	.028	.0031	.0045	.0578	.0882
%RSD	2.107	.3374	.3798	64.77	7.815	995.9	191.2

#1	.0231	.0029	7.224	<.0000	<.0000	<.0000	.1043
#2	.0239	.0029	7.249	<.0000	<.0000	.0577	<.0000
#3	.0239	.0029	7.285	<.0000	<.0000	.0116	.0578
#4	.0231	.0029	7.230	<.0000	<.0000	<.0000	.1044

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.7289	.1759	<.0000	.0007
SDev	.0142	.0968	.0006	.0019
%RSD	1.943	55.00	7.037	287.0

#1	.7344	.1384	<.0000	<.0000
#2	.7453	.2883	<.0000	.0034
#3	.7234	.0635	<.0000	.0004
#4	.7124	.2134	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: ipc
 Run Time: 03/05/02 14:00:30
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4963	.9909	.0012	.9311	1.033	.9752	.9960
SDev	.0027	.0053	.0741	.0075	.004	.0028	.0034
%RSD	.5376	.5321	6040.	.8018	.3744	.2853	.3381
#1	.4957	.9870	.0188	.9402	1.039	.9785	1.0000
#2	.4992	.9961	.0031	.9311	1.032	.9753	.9970
#3	.4929	.9948	.0808	.9311	1.031	.9753	.9952
#4	.4974	.9858	<.0000	.9219	1.030	.9717	.9919
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	1.020	.9939	.9755	1.002	1.008	<.0000	.9428
SDev	.010	.0073	.0037	.003	.002	.3415	.0153
%RSD	.9494	.7347	.3788	.2832	.1629	14.69	1.619
#1	1.029	1.001	.9783	1.006	1.007	<.0000	.9274
#2	1.025	.9988	.9783	.9998	1.010	<.0000	.9480
#3	1.007	.9886	.9747	1.002	1.008	<.0000	.9618
#4	1.019	.9868	.9705	.9998	1.007	<.0000	.9342
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.9997	.9612	.9349	.9933	.9599	.9334	<.0000
SDev	.0016	.0200	.0142	.0188	.0235	.0500	.1282
%RSD	.1568	2.084	1.521	1.893	2.452	5.352	2523.
#1	1.001	.9348	.9337	.9873	.9622	.9334	<.0000
#2	1.001	.9583	.9542	1.011	.9905	1.003	.1462
#3	.9989	.9700	.9201	.9695	.9528	.9102	.0531
#4	.9980	.9818	.9315	1.005	.9340	.8871	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.8324	1.045	.9845	1.022			
SDev	.0113	.089	.0036	.003			
%RSD	1.359	8.472	.3638	.2785			
#1	.8448	1.036	.9870	1.022			
#2	.8228	.9236	.9878	1.025			
#3	.8392	1.111	.9831	1.022			
#4	.8228	1.111	.9801	1.018			

Analysis Report

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Method: IECW Sample Name: cb

Operator: it

Run Time: 03/05/02 14:02:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0052	.0000	.0013	<.0000
SDev	.0008	.0090	.0173	.0019	.0011	.0007	.0020
%RSD	9.231	14.09	93.13	36.95	27710.	56.70	19.97

#1	<.0000	<.0000	<.0000	.0053	.0011	.0023	<.0000
#2	<.0000	<.0000	<.0000	.0076	.0002	.0013	<.0000
#3	<.0000	<.0000	<.0000	.0031	.0002	.0010	<.0000
#4	<.0000	<.0000	<.0000	.0046	<.0000	.0006	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0017	<.0000	<.0000
SDev	.0019	.0031	.0017	.0013	.0037	.2186	.0033
%RSD	100.3	134.3	41.02	73.82	213.9	7.293	7.225

#1	<.0000	.0000	<.0000	<.0000	.0069	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0017	<.0000	<.0000
#3	.0000	.0006	<.0000	<.0000	.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0009	.0514	<.0000	<.0000	<.0000	.0580	<.0000
SDev	.0007	.0147	.0114	.0045	.0303	.0463	.0795
%RSD	81.32	28.55	16.67	75.14	112.2	79.78	171.6

#1	.0017	.0675	<.0000	<.0000	.0024	.0349	<.0000
#2	.0009	.0499	<.0000	<.0000	<.0000	.1274	<.0000
#3	.0000	.0558	<.0000	<.0000	<.0000	.0349	<.0000
#4	.0009	.0323	<.0000	<.0000	<.0000	.0349	.0584

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.0938	<.0000	.0020
SDev	.0105	.1659	.0024	.0010
%RSD	6.786	176.8	77.75	49.84

#1	<.0000	<.0000	<.0000	.0035
#2	<.0000	<.0000	<.0000	.0015
#3	<.0000	.2531	<.0000	.0015
#4	<.0000	.2156	<.0000	.0015