

WTC sampler

9:20 AM

11/27/01 IT

BIK	27391	27445
5 STD	27392	27446
IPC+CB	27393	27447
LFB+LRB	IPC+CB	27448
27113+Lab Dup+spk	LFB+LRB	27450
27114	27394+Lab Dup+spk	27453 and DEP
27115	27395	IPC+CB
27116	27274	w/ke BIK
27117	27275	w/ke spk $\frac{4.007 \times 50}{.1013} = 1977.8$
27118	27276	w/ke Dup $\frac{3.783 \times 50}{.1051} = 1804.5$
27188	27276	
27189	27288	
27190	27289	27597 $\frac{11.69 \times 50}{.29167} = 2003.97$
27191	27290	27598 $\frac{2.767 \times 50}{.29167} = 474.3$
IPC+CB	27389	27599 $12.77 \times 50 = 638.5$
27192+Lab Dup + spk	27390	27600 $18.23 \times 50 = 911.5$
27193	IPC+CB	27601 $\frac{1.153 \times 50}{.375} = 153.7$
27194	27391+Lab Dup	27602 $5.143 \times 50 = 257.2$
27232	27441+Lab Dup+spk	27603 $\frac{7.921 \times 50}{.375} = 1056.1$
27233	27442	
27389	27443	27604 $\frac{2.641 \times 50}{.14585} = 905.5$
27390	27444	27605 $6.111 \times 50 = 305.5$

Reviewed by,

C/B 1/8/02

Standardization Rpt.

11/27/01 09:20:55 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 11/27/01 09:19:12

V

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.419	4.141	.6690	.3115	.1490	.2080	4.230
SDev	.006	.018	.0312	.0038	.0011	.0000	.013
%RSD	.4382	.4451	4.667	1.215	.7750	.0000	.3160

#1	1.418	4.136	.7080	.3060	.1480	.2080	4.232
#2	1.416	4.118	.6720	.3120	.1500	.2080	4.222
#3	1.414	4.146	.6320	.3140	.1480	.2080	4.218
#4	1.428	4.162	.6640	.3140	.1500	.2080	4.248

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.3050	2.971	1.077	.6205	.0000	5.554	1.440
SDev	.0053	.020	.011	.0030	.0028	.023	.007
%RSD	1.735	.6810	.9981	.4835	.0000	.4189	.5071

#1	.3020	2.948	1.084	.6180	-.0020	5.534	1.432
#2	.3060	2.996	1.064	.6180	-.0020	5.540	1.444
#3	.3120	2.964	1.074	.6220	.0000	5.556	1.436
#4	.3000	2.976	1.088	.6240	.0040	5.586	1.448

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1050	.1700	2.000	.5405	.8950	.1865	.1675
SDev	.0011	.0016	.013	.0084	.0077	.0038	.0055
%RSD	1.100	.9606	.6683	1.552	.8655	2.030	3.288

#1	.1060	.1680	1.982	.5280	.9040	.1920	.1700
#2	.1040	.1720	2.012	.5440	.8920	.1840	.1640
#3	.1040	.1700	2.008	.5460	.8860	.1840	.1620
#4	.1060	.1700	1.998	.5440	.8980	.1860	.1740

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	4.403	.1620	.7440	.1910
SDev	.009	.0052	.0033	.0020
%RSD	.2044	3.188	.4390	1.047

#1	4.396	.1560	.7440	.1920
#2	4.404	.1640	.7480	.1920
#3	4.398	.1600	.7400	.1920
#4	4.416	.1680	.7440	.1880

Standardization Rpt.

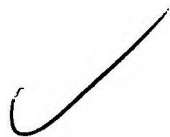
11/27/01 09:34:25 AM

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Method: IECW Standard: STD6

Run Time: 11/27/01 09:33:03

Elem	Ag3280
Avg	43.49
SDev	.18
%RSD	.4040



#1	43.75
#2	43.35
#3	43.41
#4	43.47

Standardization Rpt.

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Method: IECW Standard: STD3

Run Time: 11/27/01 09:39:20

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	25.41	233.4	15.39	7.705	12.25	18.19	1.868
SDev	.05	.5	.04	.080	.07	.04	.003
%RSD	.2163	.2193	.2648	1.043	.5373	.2411	.1347

#1	25.34	232.7	15.33	7.592	12.27	18.13	1.868
#2	25.43	233.9	15.41	7.704	12.30	18.19	1.866
#3	25.42	233.2	15.38	7.748	12.16	18.22	1.868
#4	25.47	233.6	15.43	7.774	12.29	18.22	1.872

Elem	P11908
Avge	1.597
SDev	.020
%RSD	1.283

#1	1.568
#2	1.600
#3	1.604
#4	1.616

Standardization Rpt.

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Method: IECW Standard: STD4
Run Time: 11/27/01 09:42:27



Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avg	7.666	39.66	49.80	1.337	8.769
SDev	.056	.06	.09	.022	.027
%RSD	.7347	.1611	.1734	1.664	.3085
#1	7.692	39.66	49.83	1.344	8.810
#2	7.636	39.60	49.86	1.348	8.754
#3	7.730	39.75	49.85	1.352	8.756
#4	7.604	39.63	49.67	1.304	8.758

Standardization Rpt.

11/27/01 09:48:15 AM

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Method: IFCW Standard: STD2

Run Time: 11/27/01 09:46:53



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	27.82	94.79	40.87	142.8	26.73	11.05	8.211
SDev	.11	.34	.10	.7	.09	.02	.035
%RSD	.4013	.3621	.2440	.4556	.3362	.1413	.4221

#1	27.93	95.07	40.97	143.2	26.83	11.07	8.252
#2	27.89	95.04	40.88	143.3	26.77	11.05	8.218
#3	27.80	94.73	40.89	142.6	26.70	11.04	8.206
#4	27.67	94.33	40.73	141.9	26.62	11.04	8.168

Elem	Mn2576	Pb2203	Zn2138
Avge	31.87	6.559	34.39
SDev	.13	.025	.12
%RSD	.4072	.3739	.3348

#1	32.00	6.584	34.47
#2	31.92	6.572	34.48
#3	31.87	6.528	34.39
#4	31.69	6.552	34.23

Standardization Rpt.

11/27/01 09:50:24 AM

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Method: IECW Standard: STD5

Run Time: 11/27/01 09:49:02

Elem	V_2924
Avge	32.63
SDev	.15
%RSD	.4466

#1	32.48
#2	32.61
#3	32.59
#4	32.83

Analysis Report

11/27/01 09:53:06 AM

page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 11/27/01 09:51:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4973 ✓	.9630 ✓	.0604	.9700	.9806 ✓	.9554 ✓	1.010 ✓
SDev	.0026	.0076	.0362	.0060	.0027	.0026	.002
%RSD	.5257	.7948	59.99	.6152	.2783	.2671	.1972

#1	.4951	.9529	.0476	.9689	.9811	.9540	1.010
#2	.4955	.9614	.0247	.9639	.9775	.9530	1.008
#3	.5008	.9698	.0588	.9776	.9797	.9558	1.013
#4	.4979	.9679	.1103	.9715	.9840	.9588	1.010

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9822 ✓	.9873 ✓	.9648 ✓	.9627 ✓	.9629 ✓	1.710	1.013 ✓
SDev	.0049	.0050	.0054	.0021	.0053	.149	.005
%RSD	.4995	.5064	.5572	.2155	.5511	8.686	.5324

#1	.9785	.9847	.9629	.9619	.9603	1.819	1.007
#2	.9888	.9815	.9580	.9612	.9590	1.565	1.010
#3	.9785	.9916	.9695	.9619	.9616	1.856	1.019
#4	.9829	.9914	.9687	.9658	.9707	1.601	1.016

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9777 ✓	.9748 ✓	1.062 ✓	.9807 ✓	.9980	.9332	.1062
SDev	.0042	.0160	.020	.0132	.0280	.0394	.0689
%RSD	.4255	1.640	1.930	1.347	2.806	4.224	64.91

#1	.9717	.9741	1.049	.9784	.9794	.9600	.1362
#2	.9805	.9529	1.049	.9671	.9686	.8765	.0335
#3	.9805	.9901	1.057	.9988	1.029	.9600	.1874
#4	.9780	.9821	1.092	.9784	1.018	.9361	.0677

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.615	1.044	1.001 ✓	.9904 ✓
SDev	.066	.000	.003	.0037
%RSD	4.073	.0020	.2659	.3777

#1	1.534	1.044	1.004	.9908
#2	1.543	1.044	.9984	.9850
#3	1.694	1.044	.9990	.9926
#4	1.639	1.044	1.002	.9932

Analysis Report

11/27/01 10:02:45 AM

page 1

Method: 1ECW Sample Name: cb

Operator: it

Run Time: 11/27/01 10:00:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0009	.0128	.0001	<.0000	<.0000	<.0000
SDev	.0006	.0029	.0241	.0017	.0000	.0000	.0007
%RSD	43.04	309.3	187.5	1305.	.0965	.0000	41.29

#1	<.0000	<.0000	.0236	.0010	<.0000	<.0000	<.0000
#2	<.0000	.0026	.0007	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0007	.0407	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0035	<.0000	.0020	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	.0007	.0002	<.0000	<.0000	<.0000	.0007
SDev	.0024	.0021	.0006	.0006	.0049	.0466	.0139
%RSD	1915.	287.7	280.3	65.32	302.2	20.97	1876.

#1	<.0000	.0034	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.0004	.0002	<.0000	<.0000	<.0000	<.0000
#3	.0035	.0008	<.0000	<.0000	.0046	<.0000	<.0000
#4	<.0000	<.0000	.0010	<.0000	<.0000	<.0000	.0215

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	.0049	<.0000	.0256	<.0000	<.0000
SDev	.0004	.0045	.0170	.0041	.0093	.0060	.0748
%RSD	57.81	113.9	346.1	1437.	36.49	66.56	246.9

#1	<.0000	.0007	.0054	<.0000	.0238	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0017	.0309	<.0000	.0736
#3	<.0000	<.0000	.0015	.0028	.0132	<.0000	<.0000
#4	<.0000	<.0000	.0270	.0006	.0344	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	.0000	.0006
SDev	.0429	.1159	.0006	.0003
%RSD	49.10	1105.	204500.	49.96

#1	<.0000	<.0000	.0005	.0001
#2	<.0000	.1434	.0005	.0007
#3	<.0000	<.0000	<.0000	.0007
#4	<.0000	<.0000	<.0000	.0007

Analysis Report

11/27/01 10:26:14 AM

page 1

Method: IECW Sample Name: lfp
 Run Time: 11/27/01 10:03:23
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0209	.2294	.3040	.1477	.2460	.0472	.0351
SD	.0013	.0051	.0169	.0049	.0016	.0003	.0014
%RSD	6.013	2.240	5.554	1.982	.6350	.7022	4.113
#1	.0202	.2242	.2920	.2548	.2481	.0477	.0351
#2	.0226	.2280	.3291	.2467	.2453	.0470	.0369
#3	.0212	.2365	.2975	.2437	.2460	.0471	.0353
#4	.0197	.2289	.2976	.2457	.2445	.0470	.0333
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1004	.1009	.2430	.2515	.2558	<.0000	<.0000
SD	.0020	.0017	.0015	.0011	.0032	.4158	.0101
%RSD	1.986	1.712	.6236	.4573	1.271	36.50	61.54
#1	.1006	.1005	.2449	.2520	.2594	<.0000	<.0000
#2	.0991	.1007	.2429	.2505	.2568	<.0000	<.0000
#3	.0986	.1032	.2429	.2528	.2555	<.0000	<.0000
#4	.1031	.0991	.2412	.2505	.2516	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2495	.0956	.1020	.2478	.2567	.1268	.2412
SD	.0008	.0055	.0129	.0076	.0175	.0484	.0683
%RSD	.3175	5.735	12.60	3.082	6.829	21.34	28.33
#1	.2503	.0883	.0858	.2456	.2320	.1849	.2109
#2	.2497	.0962	.1015	.2388	.2567	.1968	.2975
#3	.2497	.0962	.1173	.2501	.2708	.2926	.1590
#4	.2484	.1015	.1035	.2569	.2673	.2328	.2975
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avg	.0529	.2931	.0971	.2576			
SD	.0318	.0735	.0005	.0007			
%RSD	60.05	25.06	.5284	.2859			
#1	.0731	.3106	.0964	.2574			
#2	.0209	.1847	.0971	.2574			
#3	.0308	.3386	.0971	.2569			
#4	.0849	.3386	.0977	.2586			

Analysis Report

11/27/01 10:28:23 AM

page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 11/27/01 10:26:33

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000 ✓	<.0000 ✓	.0324	<.0000	<.0000 ✓	<.0000 ✓	<.0000 ✓
SDev	.0019	.0074	.0363	.0009	.0000	.0000	.0012
%RSD	52.02	37.57	111.8	233.8	.0441	50.00	20.83
#1	<.0000	<.0000	<.0000	.0005	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0296	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0466	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0696	.0000	<.0000	<.0000	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓
SDev	.0021	.0012	.0025	.0007	.0029	.2979	.0124
%RSD	168.3	42.74	71.38	13.68	127.2	27.97	46.60
#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0007	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0010	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	.0071	<.0000	<.0000
SDev	.0006	.0045	.0229	.0030	.0176	.0060	.0859
%RSD	128.1	68.39	113.8	50.18	249.3	40.27	284.5
#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0217
#3	<.0000	<.0000	<.0000	<.0000	.0097	<.0000	.0390
#4	.0003	<.0000	<.0000	<.0000	.0309	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000 ✓	<.0000 ✓	<.0000 ✓	.0000 ✓			
SDev	.0261	.0412	.0008	.0006			
%RSD	3.615	168.6	27.17	24700.			
#1	<.0000	<.0000	<.0000	<.0000			
#2	<.0000	<.0000	<.0000	.0007			
#3	<.0000	.0315	<.0000	<.0000			
#4	<.0000	<.0000	<.0000	.0001			

Analysis Report

11/27/01 10:31:30 AM

page 1

Method: IECW Sample Name: 27113

Operator: it

Run Time: 11/27/01 10:29:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2492	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0371	.0054	.0126	<.0000	5.740
SDev	.0010	.0040	.0517	.0035	.0000	.0000	.025
%RSD	31.93	44.10	139.4	64.99	.0209	100.00	.4369

#1	<.0000	<.0000	.0257	.0001	.0126	<.0000	5.753
#2	<.0000	<.0000	<.0000	.0073	.0126	<.0000	5.748
#3	<.0000	<.0000	.1113	.0073	.0126	<.0000	5.756
#4	<.0000	<.0000	.0199	.0068	.0126	<.0000	5.703

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0307	<.0000	1.238
SDev	.0013	.0017	.0007	.0014	.0029	.3341	.013
%RSD	240.8	89.07	82.80	41.17	9.396	43.46	1.036

#1	<.0000	<.0000	<.0000	<.0000	.0297	<.0000	1.256
#2	<.0000	<.0000	<.0000	<.0000	.0297	<.0000	1.232
#3	.0004	<.0000	<.0000	<.0000	.0349	<.0000	1.238
#4	<.0000	<.0000	<.0000	<.0000	.0284	<.0000	1.226

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0248	<.0000	4.026	<.0000	.0071	.0118	<.0000
SDev	.0000	.0025	.028	.0054	.0117	.0229	.0608
%RSD	.0037	37.83	.6922	171.7	165.2	194.4	273.4

#1	.0248	<.0000	4.010	<.0000	.0097	.0417	<.0000
#2	.0248	<.0000	4.047	<.0000	.0062	<.0000	.0384
#3	.0248	<.0000	4.053	.0048	.0203	.0178	.0210
#4	.0248	<.0000	3.996	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0469	<.0000	.0015
SDev	.0862	.0350	.0008	.0010
%RSD	791.2	74.64	34.94	66.55

#1	<.0000	.0294	<.0000	.0012
#2	<.0000	.0294	<.0000	.0006
#3	.0482	.0294	<.0000	.0030
#4	.0679	.0993	<.0000	.0012

Analysis Report

11/27/01 10:34:52 AM

page 1

Method: IECW Sample Name: 27113lab dup Operator: it
 Run Time: 11/27/01 10:32:59
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0004 0	.0111 0	.0626	.0040	.0130 0.0126	<.0000 0	5.618 5.740
SDev	.0032	.0190	.0160	.0023	.0004	.0001	.123 2.7
%RSD	821.4	171.8	25.52	57.98	3.143	326.6	2.186
#1	.0049	.0377	.0851	.0068	.0126	.0001	5.440
#2	<.0000	<.0000	.0513	.0037	.0126	<.0000	5.632
#3	<.0000	<.0000	.0627	.0042	.0133	<.0000	5.694
#4	.0001	.0113	.0511	.0012	.0133	<.0000	5.706
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000 0	.0009 0	.0019 0	<.0000 0	.0313 0.0307	.4260	1.241 1.238
SDev	.0016	.0014	.0030	.0013	.0012	.6379	.019
%RSD	114.9	142.7	154.8	947.1	3.953	196.7	1.550
#1	<.0000	.0022	.0060	.0012	.0297	1.528	1.232
#2	<.0000	<.0000	<.0000	<.0000	.0323	<.0000	1.220
#3	<.0000	.0011	.0007	<.0000	.0323	<.0000	1.247
#4	.0009	.0015	.0019	.0004	.0310	.6020	1.265
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0243 0.0248	<.0000 0	3.936 4.026	<.0000 0	.0326	.0087	.0296
SDev	.0003	.0025	.092 2.7	.0081	.0255	.0442	.0727
%RSD	1.294	2817.	2.346 2.7	2627.	78.21	505.0	245.4
#1	.0241	.0032	3.806	<.0000	.0626	<.0000	.0728
#2	.0241	<.0000	3.935	<.0000	.0132	.0058	<.0000
#3	.0248	.0006	4.010	<.0000	.0097	.0058	<.0000
#4	.0241	<.0000	3.992	.0116	.0450	.0656	.1075
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.2573	.0329	.0003 0	.0024 0.0015			
SDev	.0471	.0070	.0018	.0000			
%RSD	18.30	21.27	716.2	.0471			
#1	.2795	.0433	.0029	.0024			
#2	.2008	.0294	<.0000	.0024			
#3	.2401	.0294	<.0000	.0024			
#4	.3089	.0293	<.0000	.0024			

Analysis Report

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Method: IECW Sample Name: 27113spk

Operator: it

Run Time: 11/27/01 10:44:54

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	.0230 ⁰	.2629 ⁰	.2563	.2573	.2577 ^{0.012%}	.0474 ⁰	5.675 ^{NA}
SDev	.0019	.0113	.0340	.0029	.0006	.0003	.020
%RSD	8.449	4.290	12.78	1.144	.2281	.5410	.3562

#1	.0230	.2707	.2476	.2575	.2577	.0471	5.664
#2	.0254	.2725	.3161	.2611	.2584	.0477	5.704
#3	.0206	.2480	.2593	.2540	.2570	.0472	5.658
#4	.0230	.2603	.2420	.2565	.2577	.0474	5.674

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1007 ⁰	.1004 ⁰	.2450 ⁰	.2415 ⁰	.2790 ^{0.0307}	.4908	1.251 ^{NA}
SDev	.0016	.0012	.0031	.0015	.0047	.1171	.015
%RSD	1.619	1.200	1.259	.6075	1.674	23.87	1.186

#1	.1010	.0991	.2458	.2404	.2728	.4538	1.244
#2	.0986	.1016	.2487	.2435	.2832	.6020	1.273
#3	.1005	.0998	.2413	.2404	.2780	.5649	1.244
#4	.1025	.1012	.2442	.2419	.2819	.3427	1.244

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2733 ^{0.0248}	.0961 ⁰	4.140 ^{4.026 NA}	.2557 ⁰	.2681	.2265	.2188
SDev	.0008	.0065	.035	.0083	.0136	.0207	.1236
%RSD	.2898	6.778	.8537	3.267	5.084	9.145	56.47

#1	.2735	.0881	4.120	.2453	.2672	.2324	.3140
#2	.2735	.0961	4.190	.2566	.2814	.2444	.2621
#3	.2722	.0961	4.112	.2657	.2743	.1966	.0372
#4	.2741	.1041	4.137	.2555	.2496	.2325	.2621

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4160	.2560	.1000 ⁰	.2528 ^{0.0015}
SDev	.0686	.0689	.0014	.0017
%RSD	16.48	26.92	1.391	.6639

#1	.4320	.2805	.0995	.2527
#2	.5058	.1545	.1014	.2550
#3	.3729	.2805	.0983	.2509
#4	.3533	.3085	.1008	.2527

good

Analysis Report

11/27/01 10:49:20 AM

page 1

Method: IECW Sample Name: 27114

Operator: it

Run Time: 11/27/01 10:47:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0003	.0078	.0204	.0057	.0137	<.0000	5.671
SDev	.0005	.0045	.0218	.0012	.0004	.0000	.015
%RSD	171.2	58.21	106.6	21.64	3.044	.0000	.2656

#1	<.0000	.0056	.0398	.0068	.0141	<.0000	5.688
#2	.0001	.0094	.0111	.0052	.0141	<.0000	5.657
#3	.0006	.0028	<.0000	.0068	.0133	<.0000	5.659
#4	.0006	.0132	.0368	.0042	.0133	<.0000	5.679

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0012	.0012	.0002	<.0000	.0255	.0741	1.251
SDev	.0008	.0013	.0015	.0016	.0019	.2712	.008
%RSD	72.91	102.3	881.1	1134.	7.659	366.0	.6244

#1	.0019	.0023	<.0000	.0012	.0271	<.0000	1.256
#2	.0014	.0019	<.0000	.0012	.0271	.0834	1.244
#3	.0014	.0012	.0007	<.0000	.0245	<.0000	1.259
#4	<.0000	<.0000	.0019	<.0000	.0232	.4538	1.244

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0224	<.0000	4.020	<.0000	.0309	.0207	.0253
SDev	.0006	.0059	.041	.0048	.0269	.0283	.0622
%RSD	2.691	6694.	1.031	329.5	87.05	136.5	245.7

#1	.0229	.0086	4.071	.0014	.0415	.0417	<.0000
#2	.0216	<.0000	3.992	<.0000	<.0000	<.0000	.0383
#3	.0222	<.0000	4.035	<.0000	.0273	.0417	.0556
#4	.0229	<.0000	3.980	.0037	.0591	.0177	.0729

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2204	.0329	.0010	.0021
SDev	.0281	.0433	.0009	.0006
%RSD	12.77	131.8	85.58	27.77

#1	.2204	<.0000	.0017	.0024
#2	.2548	.0713	.0017	.0012
#3	.1859	.0573	<.0000	.0024
#4	.2204	.0294	.0010	.0024

Analysis Report

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Method: IECW Sample Name: 27115

Run Time: 11/27/01 10:50:12

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0018	.0168	.0802	.0169	.0264	<.0000	23.62
SDev	.0006	.0058	.0562	.0008	.0004	.0000	.11
%RSD	31.16	34.42	70.09	4.537	1.347	.0000	.4670

#1	.0013	.0126	.0038	.0175	.0266	<.0000	23.51
#2	.0013	.0238	.1265	.0165	.0266	<.0000	23.72
#3	.0022	.0191	.0723	.0175	.0266	<.0000	23.71
#4	.0022	.0116	.1182	.0160	.0259	<.0000	23.54

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0001	.0013	.0039	.0759	.0583	2.102	7.875
SDev	.0011	.0008	.0010	.0011	.0022	.235	.039
%RSD	1074.	59.45	24.93	1.426	3.806	11.19	.4966

#1	.0011	.0017	.0037	.0743	.0561	2.195	7.838
#2	<.0000	.0021	.0033	.0766	.0586	2.232	7.924
#3	.0011	.0004	.0053	.0766	.0573	2.232	7.888
#4	<.0000	.0010	.0033	.0759	.0613	1.750	7.850

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0482	<.0000	25.56	.0006	.0379	.0316	.0741
SDev	.0000	.0031	.17	.0041	.0029	.0180	.0684
%RSD	.0062	122.0	.6610	698.4	7.600	56.74	92.31

#1	.0482	<.0000	25.40	.0043	.0379	.0406	.1563
#2	.0482	<.0000	25.60	.0031	.0379	.0406	.0178
#3	.0482	.0001	25.78	<.0000	.0344	.0406	.0178
#4	.0482	.0001	25.48	<.0000	.0415	.0047	.1044

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	1.052	.0817	.0015	.0031
SDev	.058	.0972	.0011	.0007
%RSD	5.521	119.1	70.58	23.75

#1	1.015	.0887	.0014	.0032
#2	1.123	.0326	.0026	.0038
#3	1.074	.2145	.0020	.0032
#4	.9956	<.0000	.0001	.0021

Analysis Report

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Method: IECW Sample Name: 27116
 Run Time: 11/27/01 10:52:14
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0017	.0207	.0531	.0043	.0130	<.0000	5.612
SDev	.0015	.0120	.0086	.0011	.0004	.0000	.016
%RSD	86.92	57.68	16.17	25.97	3.207	.0000	.2909

#1	.0016	.0066	.0569	.0047	.0134	<.0000	5.634
#2	.0030	.0264	.0624	.0032	.0126	<.0000	5.616
#3	.0025	.0340	.0423	.0057	.0134	<.0000	5.604
#4	<.0000	.0160	.0511	.0037	.0126	<.0000	5.596

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0010	.0021	.0045	.0307	.5557	1.236
SDev	.0017	.0013	.0005	.0004	.0027	.1398	.012
%RSD	547.3	127.1	24.67	8.594	8.746	25.17	.9881

#1	<.0000	.0023	.0027	.0043	.0323	.3797	1.244
#2	<.0000	.0016	.0019	.0043	.0284	.6020	1.247
#3	.0019	<.0000	.0023	.0050	.0284	.7131	1.232
#4	<.0000	.0008	.0015	.0043	.0336	.5279	1.220

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0237	<.0000	3.904	<.0000	.0318	.0057	.0036
SDev	.0006	.0043	.038	.0036	.0105	.0138	.0399
%RSD	2.550	207.9	.9830	178.5	33.20	241.4	1098.

#1	.0229	<.0000	3.957	.0014	.0450	<.0000	<.0000
#2	.0235	.0032	3.898	<.0000	.0344	<.0000	.0382
#3	.0241	<.0000	3.865	<.0000	.0273	.0177	.0382
#4	.0241	<.0000	3.898	.0003	.0203	.0177	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2020	.0329	.0020	.0012
SDev	.0186	.0540	.0006	.0008
%RSD	9.203	164.5	31.75	67.31

#1	.1761	.0713	.0017	.0006
#2	.2155	.0014	.0017	.0024
#3	.2007	<.0000	.0029	.0012
#4	.2155	.0853	.0017	.0006

Analysis Report

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page 1

Method: IECW Sample Name: 27117

Operator: it

Run Time: 11/27/01 10:54:30

Comment:

Mode: CONC Corr. Factor: 1

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Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0034	.0407	.0807	.0151	.0261	.0000	23.10
SDev	.0021	.0104	.0179	.0011	.0007	.0001	.42
%RSD	60.44	25.69	22.16	7.095	2.511	230.9	1.799

#1	.0008	.0352	.0751	.0140	.0267	<.0000	23.26
#2	.0027	.0296	.0837	.0150	.0259	<.0000	23.33
#3	.0051	.0447	.1035	.0150	.0267	.0001	23.34
#4	.0051	.0533	.0607	.0166	.0253	.0001	22.48

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0016	.0027	.0047	.0034	.0503	2.899	7.716
SDev	.0004	.0012	.0025	.0016	.0024	.723	.138
%RSD	25.25	46.25	53.73	46.78	4.824	24.96	1.782

#1	.0016	.0015	.0030	.0030	.0522	2.602	7.740
#2	.0021	.0021	.0025	.0015	.0522	2.158	7.811
#3	.0011	.0027	.0054	.0038	.0496	2.973	7.796
#4	.0016	.0044	.0080	.0054	.0472	3.862	7.515

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0454	.0001	24.80	.0037	.0406	.0406	.0265
SDev	.0011	.0031	.57	.0023	.0117	.0169	.1043
%RSD	2.381	2209.	2.290	62.30	28.74	41.73	394.2

#1	.0457	<.0000	25.06	.0032	.0273	.0406	.0351
#2	.0457	<.0000	25.21	.0043	.0344	.0526	<.0000
#3	.0463	.0028	24.98	.0066	.0485	.0525	.0697
#4	.0438	.0028	23.96	.0010	.0520	.0166	.1217

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	1.054	.1169	.0037	.0019
SDev	.061	.0377	.0015	.0007
%RSD	5.796	32.23	40.00	38.11

#1	.9958	.1308	.0026	.0009
#2	1.109	.1447	.0026	.0027
#3	1.104	.1307	.0039	.0021
#4	1.006	.0612	.0058	.0021

Analysis Report

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page 1

Method: IECW Sample Name: 27118

Operator: it

Run Time: 11/27/01 11:02:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0123	.0034	.0126	<.0000	6.019
SDev	.0008	.0077	.0571	.0003	.0000	.0000	.005
%RSD	11.82	30.02	465.0	8.474	.0036	.0000	.0893

#1	<.0000	<.0000	<.0000	.0032	.0126	<.0000	6.014
#2	<.0000	<.0000	.0317	.0037	.0126	<.0000	6.026
#3	<.0000	<.0000	.0573	.0032	.0126	<.0000	6.018
#4	<.0000	<.0000	.0315	.0037	.0126	<.0000	6.016

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0303	<.0000	1.261
SDev	.0015	.0006	.0008	.0004	.0017	.1724	.003
%RSD	70.74	22.80	31.24	5.752	5.537	7.600	.2255

#1	<.0000	<.0000	<.0000	<.0000	.0297	<.0000	1.259
#2	<.0000	<.0000	<.0000	<.0000	.0323	<.0000	1.265
#3	<.0000	<.0000	<.0000	<.0000	.0284	<.0000	1.262
#4	<.0000	<.0000	<.0000	<.0000	.0310	<.0000	1.259

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0263	<.0000	4.210	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0045	.009	.0041	.0186	.0155	.0360
%RSD	2.392	67.63	.2120	680.7	300.8	127.7	162.4

#1	.0273	<.0000	4.222	.0003	<.0000	.0058	.0211
#2	.0260	<.0000	4.210	.0048	<.0000	<.0000	<.0000
#3	.0260	<.0000	4.208	<.0000	.0027	<.0000	<.0000
#4	.0260	<.0000	4.200	<.0000	.0097	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1293	.0468	<.0000	.0008
SDev	.0635	.0803	.0006	.0003
%RSD	49.08	171.3	14.61	37.08

#1	.0530	.1473	<.0000	.0012
#2	.1022	<.0000	<.0000	.0006
#3	.1711	.0573	<.0000	.0006
#4	.1908	.0433	<.0000	.0006

Analysis Report

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page 1

Method: IECW Sample Name: 27188

Operator: 11

Run Time: 11/27/01 11:05:04

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0215	.0039	.0131	<.0000	6.039
SDev	.0008	.0035	.0418	.0007	.0004	.0001	.011
%RSD	13.71	15.05	194.2	16.60	2.749	32.99	.1884

#1	<.0000	<.0000	<.0000	.0047	.0133	<.0000	6.042
#2	<.0000	<.0000	.0430	.0037	.0133	<.0000	6.053
#3	<.0000	<.0000	.0687	.0042	.0126	<.0000	6.029
#4	<.0000	<.0000	<.0000	.0032	.0133	<.0000	6.030

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0326	<.0000	1.271
SDev	.0012	.0019	.0016	.0004	.0027	.2074	.004
%RSD	42.31	37.41	47.59	6.103	8.229	10.22	.3503

#1	<.0000	<.0000	<.0000	<.0000	.0323	<.0000	1.268
#2	<.0000	<.0000	<.0000	<.0000	.0297	<.0000	1.273
#3	<.0000	<.0000	<.0000	<.0000	.0362	<.0000	1.276
#4	<.0000	<.0000	<.0000	<.0000	.0323	<.0000	1.268

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0254	<.0000	7.657	.0017	<.0000	<.0000	<.0000
SDev	.0005	.0031	.048	.0051	.0117	.0169	.0166
%RSD	2.026	41.60	.6247	306.1	330.8	93.56	31.56

#1	.0254	<.0000	7.618	<.0000	<.0000	<.0000	<.0000
#2	.0254	<.0000	7.675	<.0000	<.0000	<.0000	<.0000
#3	.0248	<.0000	7.716	.0093	.0027	<.0000	<.0000
#4	.0260	<.0000	7.618	<.0000	.0097	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4972	<.0000	<.0000	.0003
SDev	.0225	.0536	.0011	.0006
%RSD	4.526	424.3	28.74	167.7

#1	.4910	.0573	<.0000	.0001
#2	.5255	.0014	<.0000	.0012
#3	.5008	<.0000	<.0000	.0001
#4	.4713	<.0000	<.0000	.0001

Analysis Report

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Method: IECW Sample Name: 27189

Operator: it

Run Time: 11/27/01 11:08:16

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0622	.0051	.0137	<.0000	6.000
SDev	.0010	.0086	.0772	.0017	.0004	.0000	.012
%RSD	15.92	40.52	124.0	34.04	3.052	33.33	.2039

#1	<.0000	<.0000	.0173	.0067	.0140	<.0000	5.998
#2	<.0000	<.0000	<.0000	.0052	.0133	<.0000	5.988
#3	<.0000	<.0000	.1657	.0027	.0140	<.0000	5.999
#4	<.0000	<.0000	.0743	.0057	.0133	<.0000	6.017

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0300	<.0000	1.280
SDev	.0016	.0010	.0015	.0008	.0029	.2714	.009
%RSD	134.6	32.17	104.2	20.23	9.612	14.87	.6661

#1	<.0000	<.0000	<.0000	<.0000	.0310	<.0000	1.273
#2	<.0000	<.0000	<.0000	<.0000	.0271	<.0000	1.282
#3	<.0000	<.0000	<.0000	<.0000	.0335	<.0000	1.291
#4	<.0000	<.0000	<.0000	<.0000	.0284	<.0000	1.273

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0251	<.0000	7.234	<.0000	.0044	<.0000	<.0000
SDev	.0004	.0025	.066	.0035	.0073	.0230	.0734
%RSD	1.452	27.09	.9189	300.1	166.4	95.24	152.4

#1	.0254	<.0000	7.196	.0037	.0027	.0059	<.0000
#2	.0254	<.0000	7.332	<.0000	.0132	<.0000	<.0000
#3	.0248	<.0000	7.188	<.0000	<.0000	<.0000	.0383
#4	.0248	<.0000	7.220	<.0000	.0062	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4824	.0083	<.0000	.0002
SDev	.0332	.0491	.0008	.0009
%RSD	6.887	588.7	20.63	432.1

#1	.4467	<.0000	<.0000	<.0000
#2	.4615	.0433	<.0000	<.0000
#3	.5107	<.0000	<.0000	.0006
#4	.5107	.0573	<.0000	.0012

Analysis Report

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page 1

Method: IECW Sample Name: 27190

Operator: it

Run Time: 11/27/01 11:10:41

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0200	.0023	.0137	<.0000	6.015
SDev	.0016	.0086	.0245	.0018	.0004	.0001	.018
%RSD	31.62	60.57	122.5	77.53	3.046	32.99	.3013

#1	<.0000	<.0000	<.0000	.0001	.0140	<.0000	6.008
#2	<.0000	<.0000	.0344	.0017	.0140	<.0000	6.034
#3	<.0000	<.0000	.0199	.0032	.0133	<.0000	6.024
#4	<.0000	<.0000	.0400	.0042	.0133	<.0000	5.993

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0050	.0283	<.0000	1.306
SDev	.0007	.0014	.0021	.0009	.0028	.4041	.011
%RSD	27.55	52.59	121.8	17.61	9.912	27.10	.8506

#1	<.0000	<.0000	<.0000	.0043	.0296	<.0000	1.318
#2	<.0000	<.0000	<.0000	.0043	.0244	<.0000	1.306
#3	<.0000	<.0000	.0007	.0058	.0283	<.0000	1.291
#4	<.0000	<.0000	<.0000	.0058	.0309	<.0000	1.309

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0276	<.0000	7.435	<.0000	.0053	<.0000	<.0000
SDev	.0004	.0026	.062	.0023	.0245	.0266	.0712
%RSD	1.315	37.87	.8297	101.1	463.0	290.2	268.0

#1	.0279	<.0000	7.438	<.0000	<.0000	<.0000	<.0000
#2	.0273	<.0000	7.483	<.0000	.0203	.0058	<.0000
#3	.0273	<.0000	7.473	<.0000	.0309	<.0000	.0556
#4	.0279	<.0000	7.347	.0002	<.0000	.0178	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4713	.0293	<.0000	.0009
SDev	.0306	.0000	.0003	.0011
%RSD	6.490	.0798	9.785	120.1

#1	.4762	.0293	<.0000	.0001
#2	.4860	.0293	<.0000	.0012
#3	.4270	.0293	<.0000	.0024
#4	.4959	.0293	<.0000	.0001

Analysis Report

11/27/01 11:14:25 AM

page 1

Method: IECW Sample Name: 27191

Operator: it

Run Time: 11/27/01 11:12:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0024	.0138	<.0000	6.099
SDev	.0006	.0020	.0506	.0009	.0004	.0000	.014
%RSD	8.703	8.136	1458.	36.29	2.619	25.00	.2348

#1	<.0000	<.0000	.0458	.0027	.0133	<.0000	6.117
#2	<.0000	<.0000	<.0000	.0012	.0140	<.0000	6.104
#3	<.0000	<.0000	.0286	.0027	.0140	<.0000	6.085
#4	<.0000	<.0000	<.0000	.0032	.0140	<.0000	6.091

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0006	.0248	<.0000	1.285
SDev	.0017	.0004	.0020	.0007	.0012	.1147	.008
%RSD	215.7	9.369	68.98	118.8	5.015	5.528	.6532

#1	<.0000	<.0000	<.0000	.0004	.0257	<.0000	1.291
#2	.0009	<.0000	<.0000	.0012	.0244	<.0000	1.285
#3	<.0000	<.0000	<.0000	.0012	.0257	<.0000	1.291
#4	.0004	<.0000	<.0000	<.0000	.0231	<.0000	1.273

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0213	<.0000	7.268	<.0000	.0027	<.0000	.0297
SDev	.0004	.0038	.011	.0070	.0165	.0180	.0173
%RSD	1.705	37.43	.1566	268.8	624.2	85.13	58.25

#1	.0216	<.0000	7.253	<.0000	<.0000	<.0000	.0211
#2	.0210	<.0000	7.271	<.0000	<.0000	<.0000	.0211
#3	.0216	<.0000	7.281	.0059	.0274	<.0000	.0211
#4	.0210	<.0000	7.269	.0002	<.0000	<.0000	.0557

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3495	<.0000	<.0000	.0015
SDev	.0312	.0478	.0006	.0010
%RSD	8.933	243.3	14.61	66.69

#1	.3138	<.0000	<.0000	.0024
#2	.3876	.0433	<.0000	.0006
#3	.3581	<.0000	<.0000	.0024
#4	.3384	<.0000	<.0000	.0006

Analysis Report

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page 1

Method: IECM Sample Name: ipc

Operator: it

Run Time: 11/27/01 11:13:00

Comment:

Mode: CGNC Corr. Factor: 1

Elem	Ag3580	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5065	.9372	.0128	1.004	1.020	.9914	1.025
SDev	.0027	.0058	.0502	.011	.007	.0068	.007
%RSD	.5394	.6169	391.8	1.047	.6846	.6888	.6790

#1	.5058	.9313	<.0000	.9918	1.014	.9871	1.021
#2	.5049	.9426	.0756	1.010	1.019	.9899	1.021
#3	.5049	.9332	.0100	.9994	1.017	.9871	1.021
#4	.5106	.9417	.0127	1.015	1.030	1.001	1.035

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.015	1.010	.9860	.9866	.9949	<.0000	.9666
SDev	.004	.004	.0058	.0100	.0070	.1948	.0217
%RSD	.3764	.4105	.5910	1.010	.6991	10.07	2.250

#1	1.010	1.008	.9844	.9780	.9962	<.0000	.9770
#2	1.016	1.011	.9831	.9841	.9949	<.0000	.9533
#3	1.013	1.005	.9819	.9834	.9858	<.0000	.9444
#4	1.019	1.014	.9946	1.001	1.003	<.0000	.9919

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.008	.9944	1.021	1.015	1.005	.9189	<.0000
SDev	.006	.0268	.009	.018	.018	.0409	.0727
%RSD	.5954	2.700	.9066	1.754	1.798	4.452	165.9

#1	1.005	.9678	1.029	1.028	.9940	.8770	<.0000
#2	1.006	.9758	1.024	.9917	1.015	.9009	<.0000
#3	1.005	1.010	1.008	1.012	.9870	.9728	<.0000
#4	1.017	1.024	1.024	1.030	1.026	.9249	.0513

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.4436	1.063	1.019	1.018
SDev	.0123	.109	.006	.010
%RSD	2.768	10.25	.5784	.9370

#1	.4571	.9786	1.014	1.015
#2	.4276	.9647	1.018	1.020
#3	.4424	1.189	1.016	1.008
#4	.4472	1.118	1.028	1.030

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 11/27/01 11:17:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0032	<.0000	<.0000	.0003	<.0000
SDev	.0008	.0067	.0362	.0016	.0004	.0002	.0018
%RSD	21.65	30.62	1148.	177.4	46.28	55.43	27.88

#1	<.0000	<.0000	<.0000	.0000	<.0000	.0006	<.0000
#2	<.0000	<.0000	.0266	.0005	<.0000	.0004	<.0000
#3	<.0000	<.0000	.0239	<.0000	<.0000	.0002	<.0000
#4	<.0000	<.0000	.0125	<.0000	<.0000	.0002	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0020	<.0000	<.0000
SDev	.0014	.0014	.0008	.0010	.0024	.02680	.0087
%RSD	580.1	89.32	33.16	31.46	121.1	13.33	33.65

#1	.0015	<.0000	<.0000	<.0000	.0046	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0007	<.0000	<.0000
#4	.0000	<.0000	<.0000	<.0000	.0033	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0113	<.0000	.0000	<.0000	.0180	<.0000
SDev	.0006	.0038	.0116	.0038	.0044	.0339	.0497
%RSD	386.6	33.25	90.97	57920.	126.1	187.8	288.5

#1	.0003	.0166	<.0000	.0051	.0027	.0420	<.0000
#2	<.0000	.0087	<.0000	<.0000	<.0000	.0420	.0390
#3	<.0000	.0113	.0015	<.0000	<.0000	.0180	<.0000
#4	.0003	.0087	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0003
SDev	.0401	.0176	.0011	.0007
%RSD	8.659	63.00	34.17	250.0

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0001
#3	<.0000	<.0000	<.0000	.0013
#4	<.0000	<.0000	<.0000	.0001

Analysis Report

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page 1

Method: IECW Sample Name: 27192

Operator: it

Run Time: 11/27/01 11:19:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0129	.0029	.0133	<.0000	6.049
SDev	.0010	.0065	.0262	.0011	.0006	.0000	.011
%RSD	20.24	29.82	202.9	36.20	4.431	33.33	.1801

#1	<.0000	<.0000	.0171	.0017	.0140	<.0000	6.052
#2	<.0000	<.0000	<.0000	.0027	.0133	<.0000	6.051
#3	<.0000	<.0000	.0057	.0042	.0126	<.0000	6.034
#4	<.0000	<.0000	.0459	.0032	.0133	<.0000	6.059

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0071	.0348	<.0000	1.296
SDev	.0016	.0019	.0025	.0013	.0011	.1462	.008
%RSD	203.4	47.13	103.9	18.35	3.044	7.817	.6023

#1	<.0000	<.0000	<.0000	.0089	.0348	<.0000	1.285
#2	<.0000	<.0000	.0011	.0073	.0361	<.0000	1.303
#3	.0014	<.0000	<.0000	.0058	.0335	<.0000	1.300
#4	<.0000	<.0000	<.0000	.0066	.0348	<.0000	1.297

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0270	<.0000	7.643	<.0000	.0062	.0028	<.0000
SDev	.0004	.0013	.029	.0035	.0115	.0299	.0668
%RSD	1.348	32.68	.3825	68.27	186.5	1054.	373.5

#1	.0266	<.0000	7.604	<.0000	<.0000	<.0000	<.0000
#2	.0266	<.0000	7.642	<.0000	.0203	.0058	.0557
#3	.0273	<.0000	7.650	<.0000	.0062	.0418	.0210
#4	.0273	<.0000	7.675	<.0000	.0062	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3396	.0328	<.0000	.0003
SDev	.0612	.0070	.0005	.0015
%RSD	18.03	21.30	15.24	423.1

#1	.3237	.0293	<.0000	.0024
#2	.3876	.0433	<.0000	.0001
#3	.2597	.0293	<.0000	<.0000
#4	.3876	.0293	<.0000	.0001

Analysis Report

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page 1

Method: IECW Sample Name: 27192lab dup

Operator: it

Run Time: 11/27/01 11:21:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0601	.0036	.0133	<.0000	6.054
SDev	.0008	.0024	.0364	.0024	.0006	.0001	.011
%RSD	14.29	9.876	60.48	66.30	4.436	32.99	.1769

#1	<.0000	<.0000	.0401	.0011	.0126	<.0000	6.062
#2	<.0000	<.0000	.0658	.0027	.0133	<.0000	6.059
#3	<.0000	<.0000	.1087	.0037	.0133	<.0000	6.038
#4	<.0000	<.0000	.0258	.0067	.0140	<.0000	6.056

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0069	.0345	<.0000	1.279
SDev	.0018	.0013	.0004	.0008	.0016	.3179	.008
%RSD	95.02	42.12	9.919	11.04	4.734	15.26	.6106

#1	<.0000	<.0000	<.0000	.0058	.0361	<.0000	1.285
#2	<.0000	<.0000	<.0000	.0073	.0323	<.0000	1.270
#3	.0004	<.0000	<.0000	.0073	.0349	<.0000	1.273
#4	<.0000	<.0000	<.0000	.0073	.0348	<.0000	1.285

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0265	<.0000	7.651	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0034	.044	.0047	.0145	.0397	.0412
%RSD	1.187	62.08	.5797	321.7	411.7	27370.	55.57

#1	.0266	<.0000	7.705	<.0000	<.0000	<.0000	<.0000
#2	.0260	<.0000	7.614	.0025	<.0000	.0538	<.0000
#3	.0266	<.0000	7.614	<.0000	.0132	<.0000	<.0000
#4	.0266	<.0000	7.669	.0025	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2818	.0433	<.0000	.0011
SDev	.0354	.0485	.0019	.0010
%RSD	12.55	111.9	64.08	92.56

#1	.2498	.0573	<.0000	.0001
#2	.2597	.0573	<.0000	.0024
#3	.3286	.0853	<.0000	.0012
#4	.2892	<.0000	<.0000	.0006

Analysis Report

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page 1

Method: JECW Sample Name: 27192spk

Operator: it

Run Time: 11/27/01 11:32:13

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0236	.2395 0	.2680	.2623	.2701	.0492	5.928
SDev	.0010	.0092	.0195	.0021	.0006	.0001	.018
%RSD	4.159	3.832	7.264	.7811	.2178	.1669	.3120

#1	.0230	.2353	.2752	.2602	.2701	.0492	5.927
#2	.0244	.2484	.2865	.2612	.2701	.0493	5.936
#3	.0225	.2287	.2696	.2632	.2694	.0491	5.902
#4	.0244	.2456	.2408	.2648	.2708	.0493	5.945

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1072	.1049	.2512	.2663	.2864	<.0000	1.293
SDev	.0019	.0025	.0014	.0010	.0011	.3576	.010
%RSD	1.802	2.381	.5394	.3713	.3696	787.4	.7591

#1	.1047	.1030	.2521	.2651	.2864	<.0000	1.306
#2	.1082	.1057	.2492	.2667	.2864	.4178	1.286
#3	.1067	.1027	.2511	.2660	.2851	<.0000	1.286
#4	.1092	.1080	.2513	.2675	.2877	.0545	1.295

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2831	.0994	7.482	.2569	.2561	.1974	.2274
SDev	.0013	.0013	.045	.0045	.0035	.0301	.0994
%RSD	.4448	1.338	.6062	1.744	1.381	15.23	43.71

#1	.2824	.1014	7.484	.2555	.2543	.1583	.3052
#2	.2824	.0988	7.506	.2634	.2543	.2064	.0976
#3	.2824	.0988	7.520	.2555	.2614	.2305	.3052
#4	.2850	.0988	7.417	.2532	.2543	.1943	.2014

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	.9487	.2596	.1026	.2601
SDev	.0495	.0443	.0006	.0015
%RSD	5.214	17.05	.6112	.5619

#1	.9256	.2636	.1023	.2594
#2	.9579	.3016	.1023	.2594
#3	.8980	.2457	.1023	.2594
#4	1.013	.2876	.1036	.2623

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1/00/01 OK

Analysis Report

11/27/01 11:41:27 AM

page 1

Method: IECW Sample Name: 27193

Operator: it

Run Time: 11/27/01 11:39:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0155	.0042	.0148	<.0000	6.026
SDev	.0012	.0030	.0134	.0033	.0004	.0001	.012
%RSD	69.73	74.01	86.13	79.35	2.444	46.19	.1942

#1	<.0000	<.0000	.0013	.0018	.0149	<.0000	6.017
#2	<.0000	<.0000	.0184	.0053	.0142	<.0000	6.025
#3	<.0000	<.0000	.0098	.0084	.0149	<.0000	6.019
#4	<.0000	<.0000	.0327	.0013	.0149	<.0000	6.043

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0075	.0313	<.0000	1.315
SDev	.0015	.0022	.0005	.0007	.0016	.2380	.023
%RSD	2357.	238.9	57.08	9.760	5.250	97.05	1.714

#1	.0012	<.0000	<.0000	.0069	.0316	<.0000	1.318
#2	.0002	.0002	<.0000	.0069	.0329	<.0000	1.283
#3	<.0000	<.0000	<.0000	.0085	.0316	<.0000	1.333
#4	.0007	.0010	<.0000	.0077	.0290	<.0000	1.327

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0260	<.0000	7.209	.0002	<.0000	<.0000	<.0000
SDev	.0006	.0025	.007	.0077	.0061	.0267	.0357
%RSD	2.318	2953.	.0972	3252.	69.26	40.18	198.7

#1	.0255	<.0000	7.217	<.0000	<.0000	<.0000	<.0000
#2	.0262	.0006	7.213	.0082	<.0000	<.0000	.0296
#3	.0255	<.0000	7.203	<.0000	<.0000	<.0000	<.0000
#4	.0268	.0032	7.203	.0036	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7644	.0363	<.0000	.0014
SDev	.0449	.0302	.0006	.0009
%RSD	5.878	83.34	45.49	63.99

#1	.7874	<.0000	<.0000	.0009
#2	.7000	.0363	<.0000	.0003
#3	.7690	.0502	<.0000	.0021
#4	.8012	.0643	<.0000	.0021

Analysis Report

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page 1

Method: IECW Sample Name: 27194

Operator: it

Run Time: 11/27/01 12:37:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0053	.0040	.0052	.0167	<.0000	6.065
SDev	.0013	.0038	.0190	.0013	.0004	.0000	.016
%RSD	578.9	71.05	475.8	24.54	2.160	100.0	.2685

#1	<.0000	<.0000	.0148	.0050	.0166	<.0000	6.042
#2	.0004	.0084	.0232	.0039	.0173	.0000	6.068
#3	.0009	.0074	<.0000	.0070	.0166	<.0000	6.079
#4	<.0000	.0056	<.0000	.0050	.0166	<.0000	6.071

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0007	<.0000	.0226	.0332	.3310	1.290
SDev	.0012	.0011	.0008	.0007	.0016	.3836	.010
%RSD	78.25	163.1	116.3	3.238	4.930	115.9	.7595

#1	<.0000	<.0000	<.0000	.0217	.0316	.0358	1.291
#2	<.0000	.0016	<.0000	.0232	.0355	.6800	1.277
#3	<.0000	.0003	<.0000	.0224	.0329	<.0000	1.300
#4	<.0000	.0014	<.0000	.0232	.0329	.6442	1.291

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0211	.0012	7.351	.0014	.0079	.0028	<.0000
SDev	.0006	.0027	.026	.0028	.0089	.0150	.0165
%RSD	2.979	214.6	.3541	205.5	111.9	545.3	331.2

#1	.0208	<.0000	7.330	.0022	.0167	.0058	<.0000
#2	.0208	<.0000	7.334	<.0000	.0097	.0177	.0079
#3	.0208	<.0000	7.355	.0045	.0097	<.0000	.0079
#4	.0221	.0052	7.387	.0011	<.0000	.0057	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7724	<.0000	.0007	<.0000
SDev	.0348	.1094	.0005	.0006
%RSD	4.507	1187.	71.18	234.4

#1	.7225	.1172	.0001	<.0000
#2	.7746	.0048	.0013	<.0000
#3	.7963	<.0000	.0007	<.0000
#4	.7963	<.0000	.0007	.0005

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Method: IECW Sample Name: 27232

Run Time: 11/27/01 12:39:51

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0004	.0018	.0583	.0057	.0146	<.0000	6.011
SDev	.0007	.0074	.0244	.0024	.0004	.0000	.003
%RSD	177.3	406.3	41.92	41.38	2.480	.0000	.0541

#1	<.0000	<.0000	.0691	.0024	.0151	<.0000	6.009
#2	<.0000	<.0000	.0834	.0080	.0144	<.0000	6.016
#3	.0004	.0112	.0546	.0060	.0144	<.0000	6.011
#4	.0013	.0037	.0262	.0065	.0144	<.0000	6.009

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	<.0000	<.0000	.0002	.0296	.1074	1.305
SDev	.0007	.0016	.0015	.0006	.0017	.3555	.017
%RSD	162.6	170.1	905.7	265.6	5.655	331.1	1.314

#1	<.0000	<.0000	<.0000	<.0000	.0303	<.0000	1.312
#2	<.0000	<.0000	.0016	.0002	.0290	<.0000	1.280
#3	.0004	<.0000	<.0000	.0002	.0316	.2505	1.318
#4	.0014	.0007	<.0000	.0010	.0277	.5368	1.309

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0249	.0026	7.623	<.0000	.0167	.0237	.0596
SDev	.0004	.0049	.058	.0043	.0057	.0154	.0466
%RSD	1.462	188.7	.7619	183.7	34.39	65.21	78.23

#1	.0252	<.0000	7.600	<.0000	.0238	.0177	.0768
#2	.0252	<.0000	7.696	<.0000	.0097	.0416	.0768
#3	.0246	.0052	7.635	<.0000	.0167	.0057	.0940
#4	.0246	.0079	7.559	.0022	.0167	.0296	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8006	<.0000	.0002	<.0000
SDev	.0327	.0435	.0011	.0009
%RSD	4.083	63.12	430.4	106.6

#1	.8136	<.0000	.0001	<.0000
#2	.8267	<.0000	.0007	<.0000
#3	.8093	<.0000	<.0000	<.0000
#4	.7529	<.0000	.0013	<.0000

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Method: IECW Sample Name: 27233

Operator: it

Run Time: 11/27/01 12:45:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0007	.0103	.0196	.0072	.0146	<.0000	6.007
SD	.0026	.0131	.0153	.0006	.0004	.0001	.022
%RSD	355.3	127.7	77.94	9.013	2.468	230.9	.3616

#1	<.0000	<.0000	.0006	.0075	.0144	<.0000	6.002
#2	<.0000	.0046	.0347	.0065	.0144	<.0000	6.018
#3	.0013	.0159	.0288	.0080	.0144	.0000	5.980
#4	.0042	.0253	.0144	.0070	.0151	.0000	6.030

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0000	.0003	.0041	.0306	.2237	1.311
SD	.0016	.0008	.0018	.0016	.0027	.5601	.017
%RSD	2403.	5463.	516.0	40.69	8.751	250.4	1.305

#1	<.0000	<.0000	<.0000	.0025	.0303	<.0000	1.288
#2	<.0000	<.0000	.0003	.0033	.0277	.0358	1.312
#3	.0004	.0009	.0012	.0041	.0342	.3937	1.330
#4	.0019	.0004	.0020	.0064	.0303	.8947	1.315

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0248	.0012	7.235	<.0000	.0211	.0057	.0423
SD	.0003	.0034	.057	.0084	.0238	.0138	.0580
%RSD	1.272	277.3	.7886	362.7	112.6	240.2	137.0

#1	.0246	<.0000	7.247	<.0000	<.0000	<.0000	.1112
#2	.0252	<.0000	7.310	.0079	.0273	<.0000	.0596
#3	.0246	.0026	7.187	<.0000	.0519	.0177	.0251
#4	.0246	.0052	7.195	<.0000	.0061	.0176	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.7453	.0118	.0021	<.0000
SD	.1277	.0862	.0020	.0011
%RSD	17.13	729.4	94.23	157.5

#1	.6227	<.0000	.0007	<.0000
#2	.6747	.1312	.0001	<.0000
#3	.7702	<.0000	.0039	.0005
#4	.9135	.0188	.0039	<.0000

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Method: IECW Sample Name: 27389

Operator: it

Run Time: 11/27/01 12:50:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Se3130	Ca3179
Avge	.0005	.0030	.0119	.0057	.0151	<.0000	6.023
SDev	.0006	.0038	.0479	.0023	.0000	.0001	.011
%RSD	120.2	126.9	403.0	39.43	.0062	230.9	.1802

#1	.0013	.0046	.0661	.0039	.0151	.0000	6.018
#2	<.0000	<.0000	<.0000	.0050	.0151	<.0000	6.011
#3	.0004	.0075	<.0000	.0050	.0151	<.0000	6.035
#4	.0004	.0009	.0376	.0090	.0151	.0000	6.028

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	.0004	<.0000	.0029	.0293	.4563	1.312
SDev	.0013	.0009	.0012	.0010	.0006	.3400	.013
%RSD	145.0	246.1	324.5	33.91	2.217	74.51	.9552

#1	.0004	<.0000	<.0000	.0041	.0303	.8231	1.315
#2	<.0000	.0010	<.0000	.0025	.0290	<.0000	1.324
#3	.0004	.0013	.0012	.0033	.0290	.5010	1.315
#4	.0029	<.0000	<.0000	.0018	.0290	.5010	1.294

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0255	<.0000	7.621	.0031	.0141	.0296	<.0000
SDev	.0008	.0065	.011	.0027	.0156	.0293	.0216
%RSD	3.182	7251.	.1475	87.26	110.7	98.72	54.95

#1	.0265	<.0000	7.620	.0011	.0308	.0655	<.0000
#2	.0246	.0052	7.616	.0011	.0026	.0058	<.0000
#3	.0259	<.0000	7.612	.0034	.0238	.0057	<.0000
#4	.0252	.0052	7.637	.0068	<.0000	.0416	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7648	<.0000	.0017	.0002
SDev	.0534	.0419	.0013	.0003
%RSD	6.975	212.0	78.66	168.5

#1	.7485	<.0000	.0032	<.0000
#2	.7008	<.0000	.0001	.0005
#3	.7833	.0329	.0013	.0005
#4	.8267	<.0000	.0020	<.0000

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Method: IECW Sample Name: 27390

Run Time: 11/27/01 12:52:31

Comment:

Operator: it

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0012	.0150	.0381	.0054	.0151	<.0000	6.030
SDev	.0002	.0077	.0456	.0006	.0000	.0000	.008
%RSD	19.64	51.32	119.6	10.78	.0051	100.0	.1323

#1	.0009	.0093	.0460	.0049	.0151	<.0000	6.038
#2	.0013	.0112	.0832	.0049	.0151	<.0000	6.035
#3	.0013	.0131	<.0000	.0059	.0151	<.0000	6.029
#4	.0013	.0263	.0487	.0060	.0151	.0000	6.020

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0008	.0004	.0013	.0106	.0485	.5368	1.322
SDev	.0008	.0011	.0014	.0004	.0018	.2818	.006
%RSD	105.6	264.4	110.9	4.183	3.793	52.49	.4277

#1	.0004	<.0000	.0007	.0102	.0485	.5726	1.330
#2	.0019	.0016	.0032	.0102	.0472	.2147	1.324
#3	<.0000	.0010	.0012	.0110	.0511	.4652	1.318
#4	.0009	<.0000	<.0000	.0110	.0472	.8947	1.318

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0282	.0012	7.144	.0014	.0132	.0117	<.0000
SDev	.0006	.0034	.036	.0098	.0186	.0120	.0358
%RSD	2.137	279.0	.5048	716.1	141.2	102.5	4858.

#1	.0284	<.0000	7.155	.0056	.0378	.0177	.0423
#2	.0277	<.0000	7.177	<.0000	.0026	.0177	<.0000
#3	.0277	.0052	7.093	.0124	.0167	.0177	<.0000
#4	.0290	.0026	7.151	<.0000	<.0000	<.0000	.0078

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.7138	<.0000	.0020	.0009
SDev	.0303	.0269	.0009	.0010
%RSD	4.243	60.55	45.05	107.6

#1	.6790	<.0000	.0007	.0022
#2	.7268	<.0000	.0026	.0005
#3	.7008	<.0000	.0026	.0011
#4	.7485	<.0000	.0020	<.0000

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Method: IECW Sample Name: 27391

Operator: it

Run Time: 11/27/01 12:54:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0030	.0083	.0053	.0155	<.0000	6.108
SDev	.0006	.0032	.0293	.0010	.0004	.0000	.004
%RSD	182.9	107.8	353.6	19.64	2.700	100.0	.0669

#1	<.0000	<.0000	.0347	.0054	.0151	<.0000	6.113
#2	<.0000	.0074	<.0000	.0054	.0151	.0000	6.104
#3	.0004	.0018	<.0000	.0065	.0158	<.0000	6.108
#4	<.0000	.0027	.0319	.0039	.0158	<.0000	6.108

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	.0154	.0394	.0805	1.327
SDev	.0003	.0007	.0011	.0004	.0028	.1028	.007
%RSD	157.6	228.4	226.8	2.493	7.128	127.7	.5453

#1	<.0000	.0003	.0003	.0156	.0420	<.0000	1.336
#2	.0004	<.0000	<.0000	.0156	.0407	.1431	1.330
#3	<.0000	<.0000	<.0000	.0148	.0394	.1431	1.321
#4	.0004	.0003	<.0000	.0156	.0355	.1074	1.321

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0273	<.0000	7.080	.0034	.0141	.0177	.0466
SDev	.0003	.0073	.039	.0021	.0256	.0258	.1127
%RSD	1.153	214.3	.5545	61.70	181.9	145.9	241.7

#1	.0277	<.0000	7.112	.0056	.0026	<.0000	.0079
#2	.0271	.0052	7.110	.0022	.0062	.0177	.2144
#3	.0271	<.0000	7.030	.0045	<.0000	.0416	<.0000
#4	.0271	<.0000	7.067	.0011	.0519	.0296	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6476	<.0000	.0006	.0058
SDev	.0179	.1016	.0006	.0014
%RSD	2.758	623.2	107.3	24.90

#1	.6356	<.0000	.0001	.0040
#2	.6530	.0328	.0007	.0069
#3	.6313	<.0000	.0013	.0069
#4	.6704	.1031	.0001	.0052

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Method: IECW Sample Name: 27392

Operator: it

Run Time: 11/27/01 12:59:05

Comment: .

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0004	.0319	.0071	.0147	<.0000	6.113
SDev	.0008	.0051	.0597	.0009	.0004	.0000	.019
%RSD	178.7	1308.	187.2	12.21	2.840	.0000	.3185

#1	<.0000	<.0000	.0005	.0080	.0144	<.0000	6.118
#2	<.0000	.0074	<.0000	.0075	.0151	<.0000	6.104
#3	<.0000	.0009	.0805	.0070	.0144	<.0000	6.139
#4	.0004	<.0000	.0834	.0060	.0151	<.0000	6.094

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0111	.0280	.0268	1.305
SDev	.0009	.0009	.0010	.0004	.0013	.2381	.008
%RSD	161.4	378.8	123.5	3.436	4.446	887.0	.5951

#1	.0004	<.0000	<.0000	.0110	.0264	.0716	1.300
#2	<.0000	.0000	<.0000	.0117	.0290	.3221	1.297
#3	<.0000	<.0000	<.0000	.0110	.0277	<.0000	1.312
#4	<.0000	.0007	<.0000	.0110	.0290	<.0000	1.312

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0202	<.0000	7.384	.0031	.0141	.0147	.0467
SDev	.0007	.0025	.051	.0025	.0105	.0226	.0824
%RSD	3.602	338.4	.6864	81.76	74.68	153.6	176.5

#1	.0208	<.0000	7.392	.0068	.0097	<.0000	.0080
#2	.0196	<.0000	7.320	.0011	.0026	.0296	<.0000
#3	.0196	.0026	7.443	.0022	.0167	.0297	.0768
#4	.0208	<.0000	7.381	.0022	.0273	.0177	.1457

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6216	<.0000	.0004	.0017
SDev	.0379	.0652	.0019	.0007
%RSD	6.100	118.9	480.1	40.64

#1	.6227	.0329	<.0000	.0022
#2	.6748	<.0000	.0013	.0022
#3	.5966	<.0000	<.0000	.0011
#4	.5923	<.0000	.0026	.0011

Analysis Report

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Method: IECW Sample Name: 27393

Operator: it

Run Time: 11/27/01 13:01:33

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0034	.0276	.0057	.0156	<.0000	6.240
SDev	.0010	.0055	.0457	.0019	.0004	.0001	.026
%RSD	178.5	160.5	165.7	32.95	2.299	230.9	.4123

#1	<.0000	.0065	.0118	.0034	.0158	.0000	6.223
#2	<.0000	<.0000	.0891	.0070	.0158	<.0000	6.270
#3	.0009	.0093	<.0000	.0049	.0158	.0000	6.251
#4	<.0000	.0008	.0290	.0075	.0151	<.0000	6.214

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0100	.0387	.1700	1.294
SDev	.0012	.0015	.0009	.0007	.0013	.3084	.007
%RSD	377.8	493.6	50.18	7.336	3.363	181.4	.5707

#1	.0004	.0009	<.0000	.0094	.0394	.1431	1.297
#2	<.0000	.0007	<.0000	.0094	.0368	<.0000	1.297
#3	.0004	<.0000	<.0000	.0110	.0394	.5726	1.297
#4	<.0000	<.0000	<.0000	.0102	.0394	.1431	1.282

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0287	.0026	7.949	.0019	.0141	.0117	.0122
SDev	.0004	.0031	.043	.0061	.0078	.0396	.0453
%RSD	1.266	119.5	.5465	313.5	55.45	338.1	370.0

#1	.0290	<.0000	7.900	.0102	.0097	.0655	.0079
#2	.0290	<.0000	8.005	.0011	.0167	.0177	.0768
#3	.0284	.0052	7.947	<.0000	.0238	<.0000	<.0000
#4	.0284	.0052	7.943	.0011	.0062	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5858	<.0000	.0012	.0003
SDev	.0318	.0542	.0008	.0003
%RSD	5.426	425.5	66.38	84.93

#1	.6010	<.0000	.0020	.0005
#2	.5793	.0610	.0013	.0005
#3	.6183	<.0000	.0013	.0005
#4	.5446	<.0000	.0001	<.0000

Analysis Report

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Method: IECW Sample Name: ipc
 Run Time: 11/27/01 13:04:10
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5087	.9585	.0611	.9991	1.018	.9882	1.023
SDev	.0019	.0081	.0313	.0041	.005	.0061	.006
%RSD	.3688	.8452	51.25	.4115	.5406	.6156	.5449

#1	.5071	.9592	.0761	.9969	1.014	.9849	1.024
#2	.5081	.9479	.0162	1.002	1.017	.9863	1.022
#3	.5081	.9592	.0647	.9944	1.015	.9845	1.016
#4	.5114	.9677	.0874	1.003	1.026	.9973	1.030

Elem	Ca2285	Ca2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9991	1.004	.9781	.9881	.9854	.3668	.9868
SDev	.0061	.003	.0062	.0071	.0053	.2135	.0106
%RSD	.6112	.3162	.6301	.7175	.5426	58.20	1.076

#1	1.005	1.006	.9754	.9831	.9864	.6800	.9846
#2	.9986	1.002	.9746	.9870	.9851	.2505	.9728
#3	.9907	1.001	.9750	.9839	.9786	.2147	.9964
#4	1.003	1.007	.9873	.9984	.9916	.3221	.9935

Elem	Mn2576	Mo2020	Na5889	Ni2316	P_2203	Sb2068	Se1960
Avge	1.003	1.003	1.053	1.006	1.007	.9495	.0424
SDev	.008	.027	.019	.008	.011	.0418	.0452
%RSD	.7584	2.674	1.775	.8158	1.045	4.404	106.8

#1	.9980	.9662	1.028	1.003	1.020	.8868	.0209
#2	.9999	1.011	1.052	.9963	1.009	.9704	.0037
#3	.9999	1.006	1.058	1.009	1.002	.9704	.0381
#4	1.014	1.030	1.073	1.016	.9951	.9704	.1069

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7111	1.007	1.015	1.006
SDev	.0249	.130	.006	.007
%RSD	3.504	12.96	.5583	.6787

#1	.7318	1.056	1.013	1.003
#2	.7231	1.0000	1.012	1.002
#3	.6753	.8314	1.012	1.003
#4	.7144	1.140	1.024	1.016

Analysis Report

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Method: IECW Sample Name: cb
 Run Time: 11/27/01 13:06:17
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0038	.0136	.0062	.0025	.0009	.0004	.0029
SDev	.0007	.0092	.0427	.0006	.0004	.0001	.0007
%RSD	17.68	67.20	684.3	23.73	46.23	38.42	23.01

#1	.0038	.0073	<.0000	.0023	.0013	.0005	.0021
#2	.0033	.0120	.0356	.0018	.0005	.0004	.0025
#3	.0033	.0270	<.0000	.0028	.0005	.0004	.0034
#4	.0048	.0082	.0470	.0033	.0013	.0002	.0034

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	.0016	<.0000	.0056	<.0000	.0857	.0162
SDev	.0014	.0019	.0011	.0007	.0022	.0232	.0121
%RSD	383.8	113.7	180.9	13.21	226.3	34.49	74.24

#1	<.0000	.0008	.0007	.0057	<.0000	.9305	.0162
#2	.0020	<.0000	<.0000	.0065	<.0000	.6084	.0015
#3	.0005	.0023	<.0000	.0050	<.0000	1.324	.0162
#4	.0005	.0039	<.0000	.0050	.0013	.6800	.0310

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0005	.0186	.0304	.0003	.0246	.0328	.0430
SDev	.0004	.0000	.0102	.0028	.0208	.0265	.0487
%RSD	77.17	.0280	33.48	994.4	84.42	80.78	113.3

#1	.0008	.0186	.0162	.0025	<.0000	.0657	.0774
#2	.0002	.0186	.0377	<.0000	.0449	.0059	.0774
#3	.0008	.0186	.0377	.0025	.0378	.0178	<.0000
#4	.0002	.0186	.0299	<.0000	.0167	.0418	.0430

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0070	.0033	.0003
SDev	.0019	.0734	.0009	.0008
%RSD	23.56	1051.	26.95	259.4

#1	<.0000	<.0000	.0035	.0012
#2	<.0000	<.0000	.0027	<.0000
#3	<.0000	.0772	.0045	.0006
#4	<.0000	.0031	.0027	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 11/27/01 13:08:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0240	.2364	.2124	.2534	.2564	.0488	.0365
SD	.0015	.0016	.0382	.0050	.0006	.0002	.0009
%RSD	6.568	.6787	17.19	1.975	.2303	.3660	2.577

#1	.0261	.2366	.2610	.2469	.2557	.0488	.0354
#2	.0242	.2385	.1895	.2540	.2564	.0487	.0374
#3	.0228	.2347	.1896	.2535	.2564	.0486	.0372
#4	.0228	.2357	.2496	.2591	.2571	.0490	.0361

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1039	.1034	.2478	.2641	.2646	<.0000	<.0000
SD	.0019	.0026	.0033	.0004	.0033	.1786	.0098
%RSD	1.791	2.543	1.319	.1451	1.237	16.50	118.8

#1	.1026	.1063	.2445	.2639	.2639	<.0000	.0043
#2	.1041	.1024	.2474	.2639	.2691	<.0000	<.0000
#3	.1026	.1003	.2470	.2639	.2639	<.0000	<.0000
#4	.1065	.1047	.2523	.2647	.2613	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2537	.1101	.1238	.2513	.2648	.2561	.2958
SD	.0006	.0046	.0083	.0043	.0169	.0457	.0474
%RSD	.2375	4.180	6.711	1.704	6.376	17.87	16.03

#1	.2545	.1141	.1297	.2499	.2419	.2202	.2656
#2	.2533	.1061	.1140	.2522	.2631	.3158	.2484
#3	.2533	.1141	.1199	.2465	.2807	.2680	.3173
#4	.2539	.1061	.1317	.2567	.2736	.2202	.3517

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	<.0000	.2451	.1019	.2601
SD	.0342	.0895	.0003	.0020
%RSD	30.05	36.53	.3072	.7655

#1	<.0000	.2591	.1017	.2608
#2	<.0000	.3293	.1023	.2573
#3	<.0000	.2732	.1017	.2602
#4	<.0000	.1187	.1017	.2620

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Method: IECW Sample Name: lrb

Operator: it

Run Time: 11/27/01 13:11:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0037	.0110	.0248	.0014	.0007	.0001	.0027
SDev	.0008	.0033	.0177	.0010	.0004	.0000	.0020
%RSD	22.04	29.50	71.12	74.96	50.05	50.00	75.38

#1	.0038	.0063	.0356	.0028	.0013	.0001	.0014
#2	.0033	.0120	.0098	.0003	.0005	.0000	.0012
#3	.0048	.0139	.0441	.0013	.0005	.0001	.0025
#4	.0029	.0120	.0098	.0013	.0005	.0001	.0056

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0023	.0012	.0034	<.0000	1.047	.0133
SDev	.0012	.0011	.0011	.0006	.0011	.181	.0128
%RSD	122.3	47.67	92.03	18.15	23030.	17.29	96.03

#1	<.0000	.0036	.0007	.0042	.0013	1.002	.0251
#2	<.0000	.0010	<.0000	.0034	.0000	.8231	<.0000
#3	<.0000	.0019	.0024	.0034	<.0000	1.109	.0133
#4	<.0000	.0028	.0019	.0027	<.0000	1.253	.0192

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0046	.0215	.0025	.0044	.0298	.0387
SDev	.0003	.0045	.0049	.0042	.0185	.0308	.0708
%RSD	35790.	97.77	22.74	166.5	421.2	103.4	183.0

#1	.0002	.0106	.0240	.0014	.0308	.0657	.1291
#2	.0002	.0026	.0240	<.0000	<.0000	.0179	<.0000
#3	<.0000	<.0000	.0240	.0082	.0026	.0418	.0258
#4	.0002	.0053	.0142	.0025	<.0000	<.0000	.0430

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	.0034	.0004
SDev	.0144	.0403	.0006	.0006
%RSD	5.663	67.54	17.43	127.9

#1	<.0000	<.0000	.0027	<.0000
#2	<.0000	<.0000	.0039	<.0000
#3	<.0000	<.0000	.0039	.0006
#4	<.0000	<.0000	.0033	.0012

Analysis Report

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Method: IECW Sample Name: 27394

Operator: it

Run Time: 11/27/01 13:13:30

Comment:

Mode: CDNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0010	.0041	.0140	.0072	.0158	<.0000	6.170
SDev	.0010	.0055	.0461	.0016	.0000	.0001	.014
%RSD	108.6	131.5	328.9	21.81	.0078	230.9	.2319

#1	.0018	.0027	.0319	.0090	.0158	.0000	6.188
#2	.0013	.0112	.0689	.0080	.0158	<.0000	6.168
#3	.0013	<.0000	<.0000	.0065	.0158	.0000	6.153
#4	<.0000	.0046	<.0000	.0055	.0158	<.0000	6.171

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0094	.0355	.4295	1.251
SDev	.0013	.0019	.0015	.0006	.0011	.1871	.009
%RSD	240.6	828.8	3133.	6.636	2.988	43.57	.7054

#1	<.0000	<.0000	.0012	.0094	.0355	.3937	1.253
#2	.0004	.0006	<.0000	.0102	.0355	.5726	1.241
#3	<.0000	.0019	.0008	.0094	.0368	.1789	1.262
#4	<.0000	<.0000	<.0000	.0087	.0342	.5726	1.247

Elem	Mn2576	Mo2020	Na5889	N12316	Pb2203	Sb2068	Se1960
Avge	.0175	.0019	7.162	.0022	.0114	.0058	.0381
SDev	.0003	.0059	.012	.0056	.0061	.0098	.0407
%RSD	1.800	309.3	.1616	251.5	53.31	169.7	106.8

#1	.0177	<.0000	7.157	<.0000	.0062	<.0000	.0080
#2	.0177	<.0000	7.163	.0022	.0167	.0057	.0940
#3	.0170	.0105	7.149	.0068	.0062	.0177	.0080
#4	.0177	<.0000	7.177	.0056	.0167	.0058	.0424

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4893	<.0000	.0015	.0020
SDev	.0447	.0578	.0006	.0010
%RSD	9.144	1022.	39.88	51.84

#1	.5186	.0610	.0020	.0028
#2	.5143	.0049	.0007	.0011
#3	.5012	<.0000	.0020	.0028
#4	.4231	<.0000	.0013	.0011

Analysis Report

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Method: IECW Sample Name: 27394lab dup Operator: it
 Run Time: 11/27/01 13:15:54
 Comment:
 Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0014	.0114	.0389	.0065	.0162	.0000	6.213
SDev	.0006	.0019	.0407	.0015	.0004	.0000	.011
%RSD	41.39	16.95	104.6	23.05	2.580	15e6	.1767

#1	.0023	.0103	.0746	.0050	.0165	.0000	6.211
#2	.0009	.0093	.0490	.0055	.0158	<.0000	6.229
#3	.0013	.0131	.0518	.0075	.0158	.0000	6.210
#4	.0013	.0131	<.0000	.0080	.0165	.0000	6.203

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0008	.0008	.0106	.0381	.5189	1.271
SDev	.0006	.0009	.0012	.0008	.0024	.2764	.016
%RSD	67.09	116.7	151.8	7.246	6.225	53.27	1.292

#1	<.0000	.0016	.0024	.0110	.0368	.8231	1.271
#2	<.0000	.0006	<.0000	.0094	.0355	.2505	1.256
#3	<.0000	.0013	<.0000	.0110	.0394	.6800	1.265
#4	<.0000	<.0000	.0008	.0110	.0407	.3221	1.294

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0185	.0012	7.202	.0059	.0150	.0117	.0423
SDev	.0003	.0027	.023	.0037	.0227	.0207	.0921
%RSD	1.707	215.0	.3148	63.34	152.0	176.8	217.6

#1	.0183	<.0000	7.222	.0102	.0449	.0296	<.0000
#2	.0183	<.0000	7.222	.0068	<.0000	<.0000	<.0000
#3	.0189	.0052	7.185	.0056	.0202	.0177	.1456
#4	.0183	<.0000	7.181	.0011	<.0000	.0177	.0940

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4871	<.0000	.0023	.0025
SDev	.0400	.0500	.0012	.0003
%RSD	8.206	154.0	52.49	13.30

#1	.4968	.0029	.0039	.0022
#2	.4404	<.0000	.0013	.0028
#3	.4752	<.0000	.0013	.0022
#4	.5259	<.0000	.0026	.0028

Analysis Report

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page 1

Method: IECW Sample Name: 27394spk

Operator: it

Run Time: 11/27/01 13:22:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	K_2496	Sa4934	Se3130	Ca3179
Avg	.0250	.2539	.2620	.2542	.2627	.0474	6.074 NA
SD	.0006	.0019	.0350	.0015	.0007	.0001	.003
%RSD	2.395	.7634	13.34	.5885	.2751	.2336	.0543

#1	.0241	.2537	.2456	.2552	.2638	.0475	6.073
#2	.0251	.2537	.2399	.2526	.2623	.0475	6.071
#3	.0256	.2518	.3142	.2557	.2623	.0473	6.075
#4	.0251	.2565	.2484	.2532	.2623	.0474	6.078

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1005	.1014	.2424	.2553	.2780	.4473	1.228 NA
SD	.0021	.0015	.0025	.0014	.0008	.1813	.011
%RSD	2.081	1.529	1.028	.5478	.2711	40.53	.8894

#1	.0986	.1010	.2454	.2561	.2773	.3221	1.241
#2	.1015	.0997	.2434	.2568	.2786	.5010	1.217
#3	.1030	.1017	.2397	.2538	.2773	.6800	1.232
#4	.0991	.1034	.2413	.2545	.2786	.2863	1.220

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2653	.1020	7.102 NA	.2471	.2631	.2439	.2650
SD	.0003	.0027	.02 NA	.0034	.0125	.0497	.0855
%RSD	.1185	2.604	.3798	1.372	4.763	20.39	32.26

#1	.2657	.1033	7.110	.2439	.2455	.3036	.2994
#2	.2651	.0980	7.132	.2462	.2701	.2558	.2134
#3	.2651	.1033	7.067	.2462	.2736	.1842	.1789
#4	.2651	.1033	7.099	.2519	.2631	.2319	.3683

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.5718	.2641	.1002	.2490
SD	.0339	.0466	.0008	.0014
%RSD	5.926	17.64	.7871	.5753

#1	.5750	.2570	.1010	.2473
#2	.6185	.2570	.1004	.2502
#3	.5490	.3272	.1004	.2484
#4	.5447	.2149	.0991	.2502

100% ok

Analysis Report

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Method: IECW Sample Name: 27395

Operator: it

Run Time: 11/27/01 13:25:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1328	.0212	.0339	<.0000	22.37
SDev	.0008	.0042	.0314	.0003	.0004	.0000	.03
%RSD	54700.	47.83	23.68	1.192	1.227	100.0	.1269

#1	.0001	<.0000	.1521	.0211	.0335	<.0000	22.35
#2	.0011	<.0000	.1521	.0211	.0342	.0000	22.35
#3	<.0000	<.0000	.0863	.0211	.0342	<.0000	22.41
#4	<.0000	<.0000	.1406	.0216	.0335	<.0000	22.37

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0029	.0264	<.0000	.8410	10.08
SDev	.0015	.0007	.0010	.0004	.0017	.2216	.01
%RSD	170.5	46.53	35.11	1.451	99.04	26.35	.1318

#1	<.0000	<.0000	.0041	.0266	<.0000	.5368	10.07
#2	<.0000	<.0000	.0020	.0266	<.0000	1.038	10.08
#3	.0005	<.0000	.0033	.0266	<.0000	.9663	10.10
#4	<.0000	<.0000	.0020	.0258	.0003	.8231	10.07

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0060	44.63	.0026	.0202	.0074	.0598
SDev	.0003	.0067	.16	.0041	.0086	.0150	.1187
%RSD	388.6	111.5	.3497	157.5	42.60	202.6	198.4

#1	.0001	.0073	44.54	.0000	.0273	.0283	.0039
#2	.0001	.0126	44.52	.0034	.0167	.0045	<.0000
#3	.0001	<.0000	44.86	.0080	.0273	.0044	.0900
#4	<.0000	.0073	44.60	<.0000	.0097	<.0000	.2104

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	7.578	.0824	.0014	.0013
SDev	.017	.0437	.0006	.0008
%RSD	.2191	53.03	42.02	63.12

#1	7.556	.1175	.0010	.0019
#2	7.591	.1034	.0022	.0001
#3	7.591	.0191	.0016	.0019
#4	7.573	.0894	.0010	.0013

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after.*

Analysis Report

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page 1

Method: IECW Sample Name: 27274

Operator: it

Run Time: 11/27/01 13:42:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0005	<.0000	<.0000	.0055	.0141	<.0000	5.821
SDev	.0009	.0059	.0559	.0016	.0004	.0000	.007
%RSD	179.6	404.2	429.4	29.30	2.973	.0000	.1247

#1	<.0000	<.0000	.0092	.0070	.0144	<.0000	5.815
#2	<.0000	<.0000	.0205	.0065	.0137	<.0000	5.830
#3	.0004	<.0000	<.0000	.0050	.0137	<.0000	5.824
#4	.0018	.0047	.0148	.0035	.0144	<.0000	5.815

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0002	<.0000	.0016	.0274	<.0000	1.252
SDev	.0010	.0024	.0010	.0004	.0016	.3547	.011
%RSD	110.0	1022.	42.57	24.23	5.975	566.4	.8936

#1	<.0000	.0016	<.0000	.0018	.0290	<.0000	1.253
#2	<.0000	<.0000	<.0000	.0010	.0277	<.0000	1.235
#3	<.0000	.0010	<.0000	.0018	.0277	.1074	1.259
#4	<.0000	.0016	<.0000	.0018	.0251	.2863	1.259

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0240	.0012	4.024	.0071	.0097	.0058	.0295
SDev	.0000	.0034	.013	.0047	.0076	.0169	.0602
%RSD	.0023	275.6	.3311	66.11	78.59	292.5	204.2

#1	.0240	.0026	4.015	.0102	.0202	<.0000	.0080
#2	.0240	.0052	4.009	.0113	.0097	.0058	.0596
#3	.0240	<.0000	4.033	.0011	.0026	.0177	.0940
#4	.0240	<.0000	4.037	.0056	.0062	.0177	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	.0009	<.0000
SDev	.0352	.0479	.0009	.0010
%RSD	201.0	82.28	107.0	266.0

#1	<.0000	<.0000	.0020	<.0000
#2	<.0000	<.0000	.0001	<.0000
#3	.0194	<.0000	.0013	<.0000
#4	<.0000	<.0000	.0001	.0005

Analysis Report

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Method: IECW Sample Name: 27275

Operator: it

Run Time: 11/27/01 13:45:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0004	.0018	.0759	.0149	.0283	<.0000	24.42
SDev	.0012	.0069	.0424	.0026	.0006	.0000	.07
%RSD	269.3	382.3	55.91	17.66	2.069	100.0	.2694

#1	.0010	.0077	.0787	.0157	.0291	<.0000	24.45
#2	.0010	.0077	.0272	.0182	.0283	<.0000	24.49
#3	<.0000	<.0000	.0674	.0136	.0276	<.0000	24.36
#4	.0010	<.0000	.1303	.0121	.0284	.0000	24.37

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	.0026	.0034	.0598	1.673	8.114
SDev	.0009	.0006	.0020	.0004	.0031	.229	.033
%RSD	153.1	289.1	74.21	11.26	5.162	13.68	.4121

#1	.0001	<.0000	.0053	.0036	.0566	1.503	8.109
#2	.0016	.0006	.0028	.0036	.0630	1.646	8.162
#3	<.0000	<.0000	.0016	.0036	.0618	1.539	8.100
#4	.0011	<.0000	.0008	.0028	.0579	2.004	8.085

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0532	.0035	26.31	.0073	.0194	.0047	.0047
SDev	.0003	.0051	.08	.0040	.0176	.0293	.0730
%RSD	.5920	147.3	.2854	55.11	90.80	625.2	1551.

#1	.0537	<.0000	26.35	.0119	.0062	<.0000	<.0000
#2	.0531	.0048	26.39	.0039	.0167	<.0000	.0219
#3	.0531	.0101	26.27	.0096	.0097	.0405	.0219
#4	.0531	<.0000	26.23	.0039	.0449	.0167	.0736

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7805	.0641	.0015	<.0000
SDev	.0395	.0344	.0016	.0006
%RSD	5.057	53.62	104.2	198.2

#1	.7620	.0501	.0023	<.0000
#2	.8357	.0921	.0023	.0002
#3	.7794	.0220	<.0000	.0002
#4	.7447	.0922	.0023	<.0000

Analysis Report

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Method: IECW Sample Name: 27276

Operator: it

Run Time: 11/27/01 13:47:31

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0003	.0028	.0397	.0052	.0142	<.0000	7.856
SDev	.0013	.0024	.0218	.0016	.0000	.0000	.020
%RSD	384.5	84.30	55.00	30.65	.0126	.0000	.2595

#1	.0003	.0054	.0232	.0064	.0142	<.0000	7.868
#2	<.0000	<.0000	.0719	.0029	.0142	<.0000	7.827
#3	.0013	.0035	.0318	.0059	.0142	<.0000	7.873
#4	.0013	.0026	.0318	.0054	.0142	<.0000	7.854

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0113	.0386	.2684	1.313
SDev	.0013	.0014	.0019	.0004	.0022	.1222	.006
%RSD	162.1	342.0	6684.	3.912	5.838	45.54	.4684

#1	<.0000	<.0000	<.0000	.0117	.0405	.2863	1.315
#2	.0004	.0004	<.0000	.0109	.0392	.2147	1.321
#3	<.0000	<.0000	<.0000	.0109	.0353	.1431	1.312
#4	<.0000	.0007	.0023	.0117	.0392	.4295	1.306

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0249	.0032	4.118	.0031	.0211	.0147	.0294
SDev	.0004	.0045	.029	.0064	.0194	.0150	.0586
%RSD	1.460	140.5	.7021	209.5	91.69	102.2	199.0

#1	.0252	<.0000	4.146	.0102	.0308	.0177	.0768
#2	.0246	.0079	4.087	<.0000	<.0000	<.0000	.0768
#3	.0232	.0026	4.140	.0068	.0308	.0177	.0079
#4	.0246	.0052	4.101	<.0000	.0308	.0296	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0012	.0015	.0037
SDev	.0327	.0289	.0006	.0003
%RSD	99.63	2375.	40.02	9.144

#1	<.0000	.0328	.0020	.0040
#2	<.0000	.0047	.0007	.0034
#3	<.0000	.0047	.0020	.0040
#4	<.0000	<.0000	.0013	.0034

Analysis Report

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page 1

Method: IECW Sample Name: 27288

Operator: it

Run Time: 11/27/01 13:49:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0018	.0124	.0175	.0071	.0146	<.0000	5.877
SDev	.0015	.0092	.0253	.0015	.0004	.0001	.017
%RSD	83.17	73.93	144.7	21.43	2.486	230.9	.2902

#1	.0013	.0178	.0088	.0054	.0144	.0000	5.875
#2	.0032	.0140	.0089	.0075	.0151	<.0000	5.857
#3	<.0000	<.0000	<.0000	.0090	.0144	<.0000	5.879
#4	.0028	.0187	.0545	.0064	.0144	.0000	5.898

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0010	.0211	.0609	.5189	1.281
SDev	.0011	.0010	.0013	.0007	.0008	.2035	.007
%RSD	1665.	480.3	131.3	3.473	1.232	39.22	.5802

#1	.0009	.0002	.0028	.0202	.0615	.6084	1.271
#2	<.0000	.0007	.0004	.0217	.0602	.6442	1.283
#3	.0004	<.0000	<.0000	.0209	.0602	.2147	1.283
#4	<.0000	<.0000	.0008	.0217	.0615	.6084	1.288

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0293	<.0000	4.075	.0051	.0211	.0326	.0294
SDev	.0008	.0031	.020	.0060	.0176	.0265	.0355
%RSD	2.773	3155.	.4877	117.8	83.25	81.34	120.8

#1	.0290	<.0000	4.047	.0102	.0097	.0415	.0251
#2	.0296	.0026	4.078	.0102	.0061	.0057	.0251
#3	.0303	<.0000	4.094	.0011	.0449	.0655	.0768
#4	.0284	.0026	4.080	<.0000	.0238	.0176	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0013	.0028	.0034
SDev	.0319	.0464	.0011	.0007
%RSD	207.3	3611.	38.90	19.77

#1	<.0000	<.0000	.0013	.0028
#2	.0237	.0610	.0032	.0028
#3	<.0000	.0048	.0026	.0040
#4	<.0000	<.0000	.0038	.0040

Analysis Report

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page 1

Method: IECW Sample Name: 27289
 Run Time: 11/27/01 13:51:48
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0004	.0026	.0051	.0144	<.0000	5.859
SDev	.0013	.0044	.0247	.0017	.0000	.0000	.009
%RSD	1434.	1072.	941.7	33.15	.0048	.0000	.1599

#1	<.0000	<.0000	<.0000	.0049	.0144	<.0000	5.849
#2	<.0000	.0046	.0376	.0054	.0144	<.0000	5.863
#3	<.0000	.0037	<.0000	.0070	.0144	<.0000	5.852
#4	.0018	<.0000	.0005	.0029	.0144	<.0000	5.869

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0087	.0524	.1789	1.278
SDev	.0012	.0008	.0010	.0009	.0024	.1054	.010
%RSD	146.1	61.48	74.35	10.21	4.531	58.88	.7666

#1	<.0000	<.0000	<.0000	.0094	.0537	.2863	1.288
#2	<.0000	<.0000	<.0000	.0079	.0550	.0358	1.265
#3	<.0000	<.0000	<.0000	.0079	.0498	.1789	1.280
#4	.0004	<.0000	<.0000	.0094	.0511	.2147	1.280

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0254	<.0000	4.068	.0056	<.0000	.0058	.0854
SDev	.0003	.0013	.016	.0058	.0213	.0218	.0410
%RSD	1.240	63.88	.4017	102.6	2405.	379.3	47.99

#1	.0252	<.0000	4.088	.0113	<.0000	.0297	.1112
#2	.0252	<.0000	4.053	.0056	.0026	<.0000	.1112
#3	.0252	<.0000	4.056	.0079	<.0000	.0177	.0251
#4	.0259	<.0000	4.074	<.0000	.0273	<.0000	.0940

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0011
SDev	.0179	.0240	.0006	.0008
%RSD	15.37	58.78	884.8	76.71

#1	<.0000	<.0000	<.0000	.0011
#2	<.0000	<.0000	<.0000	.0022
#3	<.0000	<.0000	.0007	.0005
#4	<.0000	<.0000	.0001	.0005

Analysis Report

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page 1

Method: IECW Sample Name: 27290

Operator: it

Run Time: 11/27/01 13:54:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0001	<.0000	.0202	.0161	.0291	<.0000	24.50
SDev	.0008	.0076	.0277	.0005	.0000	.0000	.04
%RSD	932.4	595.0	136.7	3.039	.0156	100.0	.1795

#1	.0001	<.0000	.0531	.0157	.0291	<.0000	24.45
#2	.0010	.0077	<.0000	.0167	.0291	.0000	24.47
#3	<.0000	<.0000	<.0000	.0157	.0291	<.0000	24.53
#4	.0001	.0011	.0330	.0162	.0291	<.0000	24.54

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	.0000	.0022	.0011	.0556	1.763	8.153
SDev	.0021	.0010	.0004	.0013	.0012	.337	.015
%RSD	220.5	4327.	18.75	119.7	2.239	19.15	.1893

#1	.0040	<.0000	.0028	.0013	.0566	2.219	8.141
#2	<.0000	.0012	.0020	.0028	.0540	1.789	8.141
#3	<.0000	<.0000	.0020	.0005	.0565	1.432	8.156
#4	.0006	.0005	.0020	<.0000	.0552	1.610	8.174

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0554	.0048	26.53	.0093	.0123	.0286	<.0000
SDev	.0003	.0038	.14	.0049	.0150	.0308	.0422
%RSD	.5686	78.53	.5144	52.98	122.1	107.9	337.3

#1	.0556	.0048	26.45	.0051	.0167	.0644	.0391
#2	.0556	.0021	26.39	.0051	.0308	.0405	<.0000
#3	.0549	.0021	26.68	.0141	<.0000	.0167	<.0000
#4	.0556	.0101	26.62	.0130	.0062	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6838	<.0000	.0013	.0002
SDev	.0360	.0266	.0011	.0013
%RSD	5.261	1005.	80.68	813.4

#1	.6969	.0360	.0017	<.0000
#2	.7142	<.0000	.0023	.0002
#3	.6317	<.0000	<.0000	<.0000
#4	.6925	<.0000	.0017	.0019

Analysis Report

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page 1

Method: IECW Sample Name: ipc
 Run Time: 11/27/01 14:02:36
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280 ✓	Al3082	As1936	B_2496	Ba4934 ✓	Be3130 ✓	Ca3179 ✓
Avge	.4980 ✓	.9421 ✓	.0570	.9739	.9907 ✓	.9663 ✓	1.010 ✓
SDev	.0010	.0065	.0369	.0048	.0014	.0006	.001
%RSD	.1968	.6934	64.68	.4920	.1459	.0628	.1352
#1	.4981	.9329	.0993	.9807	.9899	.9656	1.008
#2	.4967	.9479	.0763	.9695	.9899	.9662	1.010
#3	.4981	.9423	.0220	.9735	.9928	.9671	1.010
#4	.4990	.9451	.0306	.9720	.9899	.9664	1.012
Elem	Cd2288 ✓	Co2286 ✓	Cr2677 ✓	Cu3247 ✓	Fe2599 ✓	K_7664	Mg2790 ✓
Avge	.9855 ✓	.9811 ✓	.9601 ✓	.9598 ✓	.9630 ✓	.7963	.9898 ✓
SDev	.0083	.0022	.0037	.0032	.0065	.1762	.0137
%RSD	.8418	.2272	.3814	.3291	.6793	22.13	1.386
#1	.9794	.9814	.9557	.9578	.9617	.9305	.9846
#2	.9779	.9837	.9643	.9563	.9617	.8589	.9757
#3	.9897	.9783	.9615	.9624	.9721	.5368	1.008
#4	.9951	.9811	.9590	.9624	.9565	.8589	.9905
Elem	Mn2576 ✓	Mo2020 ✓	Na5889 ✓	Ni2316 ✓	Pb2203	Sb2068	Se1960
Avge	.9787 ✓	.9854 ✓	1.022 ✓	.9830 ✓	1.010	.9376	.0855
SDev	.0014	.0131	.013	.0089	.026	.0314	.0355
%RSD	.1427	1.327	1.285	.9108	2.583	3.351	41.49
#1	.9804	.9741	1.032	.9725	1.037	.9227	.0382
#2	.9791	.9980	1.034	.9929	.9775	.9107	.0898
#3	.9779	.9741	1.009	.9872	1.002	.9346	.0898
#4	.9772	.9954	1.012	.9793	1.023	.9824	.1242
Elem	Si2881	Tl1908	V_2924 ✓	Zn2138 ✓			
Avge	.3617	.9860	.9942 ✓	.9841 ✓			
SDev	.0249	.0413	.0025	.0052			
%RSD	6.884	4.193	.2490	.5271			
#1	.3411	1.000	.9922	.9789			
#2	.3498	1.028	.9972	.9812			
#3	.3584	.9859	.9953	.9859			
#4	.3975	.9298	.9922	.9906			

Analysis Report

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page 1

Method: IECW Sample Name: cb
 Run Time: 11/27/01 14:06:26
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0045	.0157	<.0000	.0033	.0007	.0001	.0043
SDev	.0015	.0049	.0212	.0017	.0004	.0000	.0015
%RSD	32.73	31.21	146.0	51.83	50.13	.0000	33.58
#1	.0033	.0120	<.0000	.0038	.0013	.0001	.0023
#2	.0043	.0120	<.0000	.0013	.0005	.0001	.0054
#3	.0038	.0167	.0155	.0028	.0005	.0001	.0043
#4	.0067	.0223	<.0000	.0053	.0005	.0001	.0054
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	.0026	.0020	.0044	.0003	.7784	.0273
SDev	.0015	.0014	.0015	.0004	.0037	.2636	.0106
%RSD	1208.	55.81	72.50	8.695	1182.	33.86	38.86
#1	.0005	.0019	.0023	.0042	<.0000	.5010	.0340
#2	<.0000	.0013	.0011	.0050	.0013	1.038	.0369
#3	<.0000	.0025	.0040	.0042	<.0000	.6084	.0133
#4	.0020	.0046	.0007	.0042	.0052	.9663	.0251
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	.0113	.0597	.0122	.0264	.0298	.0344
SDev	.0005	.0055	.0285	.0048	.0148	.0258	.0535
%RSD	330.2	48.56	47.77	39.14	55.92	86.58	155.8
#1	<.0000	.0106	.0416	.0059	.0202	.0179	.1118
#2	.0002	.0186	.0475	.0116	.0484	.0657	.0258
#3	.0002	.0053	.0475	.0173	.0202	.0298	.0085
#4	.0008	.0106	.1023	.0139	.0167	.0059	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	<.0000	.0036	.0003			
SDev	.0160	.0229	.0012	.0003			
%RSD	3.199	65.22	33.30	116.0			
#1	<.0000	<.0000	.0039	<.0000			
#2	<.0000	<.0000	.0027	.0006			
#3	<.0000	<.0000	.0027	<.0000			
#4	<.0000	<.0000	.0052	.0006			

Analysis Report

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page 1

Method: IECW Sample Name: 27441

Operator: it

Run Time: 11/27/01 14:38:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0146	.0059	.0161	<.0000	5.413
SDev	.0012	.0039	.0455	.0012	.0004	.0000	.009
%RSD	17.14	13.21	312.5	20.36	2.242	25.00	.1646

#1	<.0000	<.0000	.0353	.0050	.0159	<.0000	5.416
#2	<.0000	<.0000	<.0000	.0050	.0159	<.0000	5.414
#3	<.0000	<.0000	.0667	.0076	.0159	<.0000	5.400
#4	<.0000	<.0000	<.0000	.0060	.0166	<.0000	5.421

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	<.0000	<.0000	.0233	<.0000	1.116
SDev	.0009	.0007	.0012	.0000	.0008	.3072	.017
%RSD	166.3	17.92	25.39	.0126	3.238	12.53	1.536

#1	.0019	<.0000	<.0000	<.0000	.0226	<.0000	1.105
#2	.0004	<.0000	<.0000	<.0000	.0226	<.0000	1.138
#3	<.0000	<.0000	<.0000	<.0000	.0239	<.0000	1.099
#4	<.0000	<.0000	<.0000	<.0000	.0239	<.0000	1.120

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0263	.0013	3.585	.0023	<.0000	<.0000	.0641
SDev	.0003	.0034	.022	.0042	.0060	.0249	.0735
%RSD	1.196	269.8	.6075	186.6	31.06	25370.	114.8

#1	.0265	.0026	3.606	<.0000	<.0000	.0298	.1631
#2	.0265	<.0000	3.594	.0023	<.0000	.0059	.0081
#3	.0265	<.0000	3.585	.0011	<.0000	<.0000	.0770
#4	.0259	.0053	3.555	.0079	<.0000	<.0000	.0081

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0012
SDev	.0262	.0435	.0011	.0012
%RSD	6.089	79.74	32.43	97.41

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0023
#3	<.0000	<.0000	<.0000	.0005
#4	<.0000	.0051	<.0000	.0023

Analysis Report

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page 1

Method: IECW Sample Name: 27441lab/dup

Operator: it

Run Time: 11/27/01 14:43:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0063	.0164	<.0000	5.512
SDev	.0006	.0064	.0296	.0012	.0004	.0001	.013
%RSD	9.364	18.76	911.7	19.27	2.193	25.66	.2355

#1	<.0000	<.0000	<.0000	.0050	.0159	<.0000	5.498
#2	<.0000	<.0000	.0354	.0070	.0166	<.0000	5.505
#3	<.0000	<.0000	<.0000	.0055	.0166	<.0000	5.527
#4	<.0000	<.0000	<.0000	.0075	.0166	<.0000	5.517

Elem	Cd2288	Cd2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0210	<.0000	1.151
SDev	.0014	.0006	.0013	.0009	.0012	.1587	.024
%RSD	210.4	19.35	34.61	43.16	5.938	7.211	2.069

#1	<.0000	<.0000	<.0000	<.0000	.0200	<.0000	1.141
#2	.0004	<.0000	<.0000	<.0000	.0213	<.0000	1.123
#3	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	1.164
#4	.0004	<.0000	<.0000	<.0000	.0200	<.0000	1.176

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0265	<.0000	3.656	.0006	<.0000	<.0000	<.0000
SDev	.0005	.0026	.016	.0042	.0194	.0204	.1261
%RSD	1.939	353.2	.4385	744.8	91.70	225.5	713.5

#1	.0271	<.0000	3.641	<.0000	<.0000	<.0000	.1630
#2	.0259	.0026	3.655	.0034	<.0000	<.0000	<.0000
#3	.0265	<.0000	3.649	.0045	<.0000	.0178	<.0000
#4	.0265	<.0000	3.679	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0018
SDev	.1726	.0464	.0006	.0009
%RSD	14.98	114.5	18.71	48.14

#1	<.0000	<.0000	<.0000	.0023
#2	<.0000	<.0000	<.0000	.0005
#3	<.0000	<.0000	<.0000	.0023
#4	<.0000	<.0000	<.0000	.0023

Analysis Report

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Method: IECW Sample Name: 27441spk

Operator: it

Run Time: 11/27/01 14:48:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0192	.2258	.2467	.2668	.2745	.0487	5.417
SDev	.0009	.0057	.0367	.0018	.0011	.0002	.017
%RSD	4.750	2.507	14.89	.6667	.3945	.3802	.3088

#1	.0184	.2218	.2975	.2674	.2739	.0485	5.398
#2	.0184	.2209	.2489	.2649	.2754	.0489	5.433
#3	.0194	.2331	.2259	.2659	.2754	.0488	5.428
#4	.0204	.2275	.2146	.2689	.2732	.0487	5.408

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K17664	Mg2790
Avge	.1014	.0991	.2437	.2481	.2712	<.0000	1.128
SDev	.0011	.0022	.0016	.0015	.0057	.1286	.007
%RSD	1.078	2.202	.6509	.5912	2.085	5.594	.5808

#1	.1025	.1018	.2422	.2469	.2631	<.0000	1.135
#2	.1020	.0987	.2446	.2500	.2722	<.0000	1.132
#3	.1010	.0994	.2455	.2469	.2735	<.0000	1.120
#4	.1001	.0966	.2426	.2484	.2761	<.0000	1.126

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2802	.1060	3.604	.2576	.2367	.2231	.2651
SDev	.0010	.0038	.016	.0085	.0231	.0265	.0696
%RSD	.3668	3.543	.4502	3.316	9.755	11.88	22.49

#1	.2790	.1060	3.587	.2474	.2032	.1962	.2135
#2	.2802	.1034	3.604	.2598	.2560	.2559	.3168
#3	.2802	.1034	3.626	.2553	.2419	.2320	.2135
#4	.2815	.1113	3.600	.2678	.2455	.2081	.3168

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.2397	.0995	.2495
SDev	.0094	.0464	.0017	.0039
%RSD	2.622	19.36	1.668	1.571

#1	<.0000	.2151	.0973	.2455
#2	<.0000	.2853	.0992	.2549
#3	<.0000	.2713	.1010	.2490
#4	<.0000	.1870	.1004	.2484

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page 1

Method: IECW Sample Name: 27442

Operator: it

Run Time: 11/27/01 14:51:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0030	.0065	.0143	<.0000	5.632
SDev	.0008	.0090	.0336	.0018	.0004	.0001	.018
%RSD	14.59	41.67	1110.	27.06	2.534	46.66	.3175

#1	<.0000	<.0000	<.0000	.0091	.0144	<.0000	5.612
#2	<.0000	<.0000	<.0000	.0060	.0144	<.0000	5.655
#3	<.0000	<.0000	.0152	.0050	.0137	<.0000	5.630
#4	<.0000	<.0000	.0436	.0060	.0144	<.0000	5.630

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0252	<.0000	1.132
SDev	.0017	.0008	.0011	.0006	.0032	.3725	.020
%RSD	302.2	25.76	25.89	48.61	12.64	18.10	1.731

#1	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	1.105
#2	<.0000	<.0000	<.0000	<.0000	.0265	<.0000	1.147
#3	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	1.129
#4	.0019	<.0000	<.0000	<.0000	.0226	<.0000	1.147

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0263	.0006	3.620	.0031	<.0000	.0208	<.0000
SDev	.0003	.0045	.041	.0040	.0088	.0395	.0812
%RSD	1.190	756.1	1.141	127.2	100.0	190.0	368.9

#1	.0259	.0026	3.602	.0011	<.0000	.0298	<.0000
#2	.0265	<.0000	3.588	<.0000	<.0000	.0178	<.0000
#3	.0265	.0053	3.608	.0079	<.0000	.0656	.0942
#4	.0265	<.0000	3.680	.0045	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0005
SDev	.0478	.0480	.0006	.0008
%RSD	8.819	109.0	23.40	164.6

#1	<.0000	<.0000	<.0000	.0005
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0192	<.0000	.0011
#4	<.0000	<.0000	<.0000	.0011

Analysis Report

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page 1

Method: IECW Sample Name: 27443

Run Time: 11/27/01 14:53:41

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0500	.0130	.0236	<.0000	21.31
SDev	.0009	.0043	.0182	.0011	.0000	.0000	.05
%RSD	15.66	12.49	36.39	8.682	.0248	.0000	.2219

#1	<.0000	<.0000	.0515	.0144	.0236	<.0000	21.30
#2	<.0000	<.0000	.0428	.0134	.0236	<.0000	21.38
#3	<.0000	<.0000	.0314	.0124	.0236	<.0000	21.28
#4	<.0000	<.0000	.0743	.0119	.0236	<.0000	21.29

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0000	<.0000	<.0000	<.0000	.0588	<.0000	6.991
SDev	.0013	.0014	.0011	.0013	.0034	.2928	.044
%RSD	4965.	54.18	48.50	50.75	5.825	33.73	.6252

#1	.0002	<.0000	<.0000	<.0000	.0572	<.0000	6.957
#2	.0006	<.0000	<.0000	<.0000	.0584	<.0000	7.049
#3	.0011	<.0000	<.0000	<.0000	.0637	<.0000	6.957
#4	<.0000	<.0000	<.0000	<.0000	.0559	<.0000	7.002

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0796	.0002	26.48	.0031	<.0000	.0169	.0871
SDev	.0010	.0033	.07	.0066	.0050	.0378	.0735
%RSD	1.289	1474.	.2581	215.1	568.5	223.4	84.39

#1	.0783	<.0000	26.47	.0042	<.0000	<.0000	.0054
#2	.0808	<.0000	26.55	.0099	<.0000	<.0000	.1086
#3	.0796	.0049	26.38	.0042	.0026	.0288	.1775
#4	.0796	<.0000	26.50	<.0000	.0026	.0647	.0570

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.025	.0063	<.0000	<.0000
SDev	.038	.0404	.0006	.0009
%RSD	3.712	644.9	20.96	63.03

#1	1.064	.0660	<.0000	<.0000
#2	1.033	<.0000	<.0000	<.0000
#3	1.029	<.0000	<.0000	<.0000
#4	.9724	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 27444

Operator: it

Run Time: 11/27/01 14:55:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0043	.0040	.0164	<.0000	5.674
SDev	.0005	.0072	.0363	.0012	.0004	.0000	.009
%RSD	13.00	49.98	840.7	29.51	2.198	.0000	.1659

#1	<.0000	<.0000	.0520	.0030	.0166	<.0000	5.680
#2	<.0000	<.0000	<.0000	.0050	.0166	<.0000	5.683
#3	<.0000	<.0000	.0093	.0050	.0159	<.0000	5.673
#4	<.0000	<.0000	<.0000	.0030	.0166	<.0000	5.661

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0006	<.0000	<.0000	<.0000	.0206	<.0000	1.210
SDev	.0017	.0010	.0008	.0007	.0022	.2418	.020
%RSD	301.5	54.00	30.33	222.2	10.91	18.02	1.661

#1	.0019	<.0000	<.0000	.0002	.0212	<.0000	1.218
#2	<.0000	<.0000	<.0000	<.0000	.0225	<.0000	1.235
#3	<.0000	<.0000	<.0000	.0002	.0174	<.0000	1.194
#4	.0019	<.0000	<.0000	<.0000	.0213	<.0000	1.194

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0267	.0032	3.740	.0119	.0009	<.0000	.0124
SDev	.0003	.0040	.015	.0053	.0093	.0119	.0812
%RSD	1.177	122.6	.4088	44.43	1055.	98.55	656.9

#1	.0265	.0079	3.753	.0057	.0097	.0058	<.0000
#2	.0271	<.0000	3.725	.0102	<.0000	<.0000	<.0000
#3	.0265	.0052	3.753	.0136	<.0000	<.0000	.1285
#4	.0265	<.0000	3.727	.0181	.0062	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	<.0000	<.0000	<.0000	.0020
SDev	.0384	.0303	.0006	.0006
%RSD	8.618	81.62	42.74	29.77

#1	<.0000	<.0000	<.0000	.0023
#2	<.0000	.0050	<.0000	.0023
#3	<.0000	<.0000	<.0000	.0023
#4	<.0000	<.0000	<.0000	.0011

Analysis Report

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page 1

Method: IECW Sample Name: 27445

Operator: it

Run Time: 11/27/01 14:58:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0279	.0039	.0139	<.0000	5.690
SDev	.0010	.0083	.0289	.0011	.0004	.0001	.010
%RSD	23.50	61.72	103.4	29.22	2.592	46.19	.1799

#1	<.0000	<.0000	.0579	.0035	.0137	<.0000	5.693
#2	<.0000	<.0000	.0380	.0035	.0137	<.0000	5.678
#3	<.0000	<.0000	<.0000	.0030	.0144	<.0000	5.702
#4	<.0000	<.0000	.0266	.0055	.0137	<.0000	5.686

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0206	<.0000	1.150
SDev	.0017	.0029	.0011	.0006	.0008	.4096	.017
%RSD	163.8	99.30	31.86	119.9	3.623	25.15	1.488

#1	<.0000	<.0000	<.0000	<.0000	.0200	<.0000	1.150
#2	.0004	<.0000	<.0000	<.0000	.0200	<.0000	1.132
#3	.0004	.0009	<.0000	<.0000	.0213	<.0000	1.173
#4	<.0000	<.0000	<.0000	.0002	.0213	<.0000	1.147

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0248	.0019	3.673	.0068	.0018	<.0000	.0167
SDev	.0003	.0040	.013	.0024	.0200	.0265	.0750
%RSD	1.272	207.1	.3617	36.04	1135.	291.0	449.6

#1	.0246	<.0000	3.680	.0102	.0167	<.0000	.1286
#2	.0246	<.0000	3.657	.0057	.0167	<.0000	<.0000
#3	.0246	.0052	3.667	.0045	<.0000	<.0000	<.0000
#4	.0252	.0052	3.686	.0068	<.0000	.0297	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0016	<.0000	.0017
SDev	.0231	.0369	.0008	.0007
%RSD	4.590	2342.	40.69	40.44

#1	<.0000	.0191	<.0000	.0023
#2	<.0000	.0051	<.0000	.0023
#3	<.0000	.0331	<.0000	.0011
#4	<.0000	<.0000	<.0000	.0011

Analysis Report

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page 1

Method: IECW Sample Name: 27447

Operator: it

Run Time: 11/27/01 15:01:35

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0129	.0049	.0144	<.0000	5.760
SDev	.0005	.0069	.0137	.0020	.0000	.0000	.011
%RSD	13.79	48.21	106.1	40.34	.0059	50.00	.1975

#1	<.0000	<.0000	.0180	.0040	.0144	<.0000	5.765
#2	<.0000	<.0000	<.0000	.0030	.0144	<.0000	5.748
#3	<.0000	<.0000	.0065	.0050	.0144	<.0000	5.754
#4	<.0000	<.0000	.0293	.0075	.0144	<.0000	5.774

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0200	<.0000	1.180
SDev	.0006	.0017	.0005	.0009	.0015	.2094	.010
%RSD	341.9	72.55	15.27	169.1	7.523	16.84	.8272

#1	<.0000	<.0000	<.0000	<.0000	.0186	<.0000	1.179
#2	<.0000	.0002	<.0000	.0002	.0212	<.0000	1.194
#3	<.0000	<.0000	<.0000	<.0000	.0213	<.0000	1.173
#4	.0004	<.0000	<.0000	.0002	.0187	<.0000	1.173

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0246	<.0000	3.746	.0059	<.0000	<.0000	.0253
SDev	.0007	.0013	.021	.0037	.0076	.0060	.0422
%RSD	2.956	181.1	.5734	63.09	66.46	39.70	166.8

#1	.0252	<.0000	3.755	.0068	<.0000	<.0000	<.0000
#2	.0240	<.0000	3.714	.0011	<.0000	<.0000	<.0000
#3	.0240	<.0000	3.753	.0057	<.0000	<.0000	.0425
#4	.0252	<.0000	3.761	.0102	<.0000	<.0000	.0769

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	<.0000	<.0000	<.0000	.0015
SDev	.0246	.0532	.0008	.0009
%RSD	5.554	120.5	378.3	57.61

#1	<.0000	<.0000	<.0000	.0023
#2	<.0000	<.0000	.0007	.0005
#3	<.0000	<.0000	.0001	.0023
#4	<.0000	<.0000	<.0000	.0011

Analysis Report

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page 1

Method: IECW Sample Name: 27448

Operator: it

Run Time: 11/27/01 15:03:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0050	.0130	<.0000	5.756
SDev	.0011	.0070	.0449	.0014	.0000	.0000	.019
%RSD	27.38	48.50	170.2	27.49	.0136	50.00	.3262
#1	<.0000	<.0000	<.0000	.0055	.0130	<.0000	5.730
#2	<.0000	<.0000	<.0000	.0055	.0130	<.0000	5.767
#3	<.0000	<.0000	.0293	.0060	.0130	<.0000	5.773
#4	<.0000	<.0000	<.0000	.0030	.0130	<.0000	5.756
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0219	<.0000	1.144
SDev	.0018	.0008	.0014	.0007	.0034	.1971	.007
%RSD	3108.	26.82	30.71	102.7	15.70	11.84	.6328
#1	<.0000	<.0000	<.0000	<.0000	.0174	<.0000	1.153
#2	.0009	<.0000	<.0000	<.0000	.0252	<.0000	1.138
#3	<.0000	<.0000	<.0000	<.0000	.0239	<.0000	1.147
#4	.0014	<.0000	<.0000	.0002	.0213	<.0000	1.138
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0238	.0026	3.665	.0057	<.0000	<.0000	.0941
SDev	.0003	.0031	.019	.0036	.0129	.0120	.0867
%RSD	1.322	118.5	.5296	63.27	292.2	8198.	92.04
#1	.0240	.0052	3.661	.0023	<.0000	.0058	.2146
#2	.0234	.0052	3.667	.0068	.0097	.0058	.0769
#3	.0240	<.0000	3.690	.0102	<.0000	<.0000	.0081
#4	.0240	<.0000	3.643	.0034	.0026	.0058	.0770
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	<.0000	<.0000	.0018			
SDev	.0204	.0413	.0008	.0009			
%RSD	3.995	462.0	55.19	48.32			
#1	<.0000	<.0000	<.0000	.0023			
#2	<.0000	.0051	<.0000	.0023			
#3	<.0000	<.0000	<.0000	.0005			
#4	<.0000	.0332	<.0000	.0023			

Analysis Report

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page 1

Method: IECW Sample Name: 27450

Operator: it

Run Time: 11/27/01 15:05:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0145	.0056	.0152	<.0000	5.673
SDev	.0008	.0063	.0400	.0020	.0000	.0000	.020
%RSD	18.09	26.85	276.9	34.79	.0162	.0000	.3500

#1	<.0000	<.0000	.0438	.0055	.0152	<.0000	5.687
#2	<.0000	<.0000	<.0000	.0030	.0152	<.0000	5.644
#3	<.0000	<.0000	.0067	.0065	.0152	<.0000	5.686
#4	<.0000	<.0000	.0465	.0075	.0152	<.0000	5.674

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0222	<.0000	1.162
SDev	.0020	.0014	.0010	.0004	.0027	.1990	.021
%RSD	122.2	48.41	21.84	25.91	12.08	10.64	1.825

#1	.0009	<.0000	<.0000	<.0000	.0187	<.0000	1.170
#2	<.0000	<.0000	<.0000	<.0000	.0252	<.0000	1.135
#3	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	1.158
#4	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	1.185

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0246	.0006	3.723	.0099	<.0000	.0029	.0253
SDev	.0005	.0013	.027	.0062	.0000	.0265	.0445
%RSD	2.092	221.7	.7193	62.21	.0187	924.6	175.6

#1	.0240	<.0000	3.735	.0011	<.0000	.0178	<.0000
#2	.0252	.0026	3.682	.0136	<.0000	<.0000	.0770
#3	.0246	<.0000	3.737	.0102	<.0000	<.0000	.0425
#4	.0246	<.0000	3.735	.0147	<.0000	.0297	.0081

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	.0017
SDev	.0255	.0464	.0008	.0007
%RSD	4.761	114.4	35.02	40.36

#1	<.0000	<.0000	<.0000	.0011
#2	<.0000	<.0000	<.0000	.0011
#3	<.0000	<.0000	<.0000	.0023
#4	<.0000	<.0000	<.0000	.0023

Analysis Report

11/27/01 03:09:49 PM

page 1

Method: IECW Sample Name: 27453

Operator: it

Run Time: 11/27/01 15:08:04

Comment:

Mode: COND Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0033	.0132	<.0000	5.116
SDev	.0010	.0065	.0072	.0017	.0004	.0001	.012
%RSD	6.889	8.714	131.2	53.15	2.725	13.58	.2346

#1	<.0000	<.0000	.0046	.0010	.0130	<.0000	5.117
#2	<.0000	<.0000	<.0000	.0050	.0130	<.0000	5.100
#3	<.0000	<.0000	<.0000	.0040	.0130	<.0000	5.128
#4	<.0000	<.0000	<.0000	.0030	.0138	<.0000	5.121

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0217	<.0000	1.007
SDev	.0005	.0019	.0018	.0007	.0012	.5311	.018
%RSD	21.74	23.75	17.60	9.655	5.722	11.26	1.814

#1	<.0000	<.0000	<.0000	<.0000	.0201	<.0000	.9873
#2	<.0000	<.0000	<.0000	<.0000	.0227	<.0000	1.005
#3	<.0000	<.0000	<.0000	<.0000	.0214	<.0000	1.005
#4	<.0000	<.0000	<.0000	<.0000	.0227	<.0000	1.032

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0223	<.0000	3.405	.0037	<.0000	<.0000	<.0000
SDev	.0008	.0040	.033	.0025	.0261	.0249	.0650
%RSD	3.555	85.30	.9713	67.72	57.03	69.54	493.5

#1	.0221	<.0000	3.426	.0046	<.0000	<.0000	<.0000
#2	.0215	<.0000	3.440	.0068	<.0000	<.0000	.0772
#3	.0221	<.0000	3.371	.0023	<.0000	<.0000	<.0000
#4	.0234	<.0000	3.383	.0012	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0239	.0806	.0011	.0003
%RSD	2.283	80.71	12.12	93.02

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

Analysis Report

11/27/01 03:15:03 PM

page 1

Method: IECW Sample Name: ipc
 Run Time: 11/27/01 15:13:16
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4766	.9273	.0472	.9682	.9757	.9534	.9936
SDev	.0010	.0100	.0337	.0055	.0020	.0013	.0031
%RSD	.2211	1.076	71.24	.5705	.2040	.1367	.3103

#1	.4762	.9338	.0564	.9639	.9769	.9549	.9961
#2	.4777	.9348	.0907	.9761	.9748	.9535	.9965
#3	.4753	.9273	.0166	.9680	.9777	.9536	.9914
#4	.4772	.9131	.0253	.9649	.9733	.9517	.9906

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9806	.9717	.9522	.9533	.9571	<.0000	.9617
SDev	.0012	.0016	.0021	.0023	.0059	.1614	.0056
%RSD	.1197	.1617	.2181	.2366	.6125	69.37	.5812

#1	.9813	.9708	.9553	.9510	.9565	<.0000	.9698
#2	.9818	.9718	.9512	.9525	.9643	<.0000	.9610
#3	.9794	.9738	.9508	.9563	.9500	<.0000	.9580
#4	.9799	.9702	.9516	.9533	.9578	<.0000	.9580

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9703	.9768	1.015	.9864	.9942	1.033	.0339
SDev	.0019	.0104	.018	.0046	.0073	.011	.0664
%RSD	.1910	1.064	1.729	.4636	.7299	1.109	195.9

#1	.9722	.9741	1.003	.9918	.9951	1.030	.0554
#2	.9710	.9874	1.040	.9838	.9951	1.018	.0726
#3	.9703	.9821	1.016	.9884	1.002	1.042	.0727
#4	.9678	.9635	1.003	.9815	.9845	1.042	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	<.0000	.9790	.9853	.9631
SDev	.0348	.1279	.0018	.0015
%RSD	46.71	13.07	.1800	.1569

#1	<.0000	.9158	.9865	.9637
#2	<.0000	.9860	.9865	.9613
#3	<.0000	.8597	.9853	.9648
#4	<.0000	1.155	.9828	.9625

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 11/27/01 15:18:14

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B12496	Ba4934	Be3130	Ca3179
Avge	<.0000 ✓	<.0000 ✓	<.0000	.0024	<.0000 ✓	<.0000 ✓	<.0000 ✓
SDev	.0019	.0094	.0211	.0016	.0000	.0001	.0031
%RSD	102.1	66.30	1080.	64.91	.7890	230.9	87.44

#1	<.0000	<.0000	<.0000	.0038	<.0000	.0000	<.0000
#2	<.0000	<.0000	.0272	.0033	<.0000	.0000	<.0000
#3	<.0000	<.0000	<.0000	.0003	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	.0023	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K17664	Mg2790
Avge	<.0000 ✓	<.0000 ✓	<.0000 ✓	.0004 ✓	.0000 ✓	<.0000	<.0000 ✓
SDev	.0014	.0011	.0007	.0006	.0011	.2841	.0248
%RSD	1159.	66.36	25.82	163.0	15180.	21.17	119.8

#1	.0000	<.0000	<.0000	.0011	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0004	.0000	<.0000	<.0000
#3	.0015	<.0000	<.0000	<.0000	.0000	<.0000	<.0000
#4	.0000	<.0000	<.0000	.0004	.0013	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000 ✓	.0126 ¹⁰⁰⁵	<.0000 ✓	.0085 ^{20.02}	.0026	.0000	.0259
SDev	.0003	.0040	.0149	.0023	.0188	.0284	.0421
%RSD	100.2	31.54	382.0	27.44	712.5	65500.	162.9

#1	<.0000	.0186	<.0000	.0060	<.0000	.0418	.0259
#2	.0002	.0106	.0162	.0105	.0202	<.0000	.0775
#3	<.0000	.0106	<.0000	.0071	<.0000	<.0000	.0259
#4	<.0000	.0106	<.0000	.0105	.0167	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000 ✓	<.0000 ✓
SDev	.0780	.0239	.0006	.0013
%RSD	6.924	27.29	191.7	177.7

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	.0002	<.0000
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0002	.0012

Analysis Report

02/05/02 11:03:03 AM

page 1

Method: IECW Sample Name: 27395 Operator: it
 Run Time: 02/05/02 11:01:20
 Comment:
 Mode: CONC Corr. Factor: 1

*reanalyzed
 w/o digestion
 from orig
 sample bottle
 2/5/02*

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0425	.0152	.0323	<.0000	22.79
SDev	.0019	.0068	.0164	.0013	.0000	.0001	.10
%RSD	18.39	9.749	38.63	8.262	.0334	7.692	.4500

#1	<.0000	<.0000	.0477	.0142	.0323	<.0000	22.74
#2	<.0000	<.0000	.0321	.0155	.0323	<.0000	22.81
#3	<.0000	<.0000	.0269	.0168	.0323	<.0000	22.70
#4	<.0000	<.0000	.0632	.0142	.0323	<.0000	22.93

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0173	.0027	<.0000	10.28
SDev	.0019	.0014	.0017	.0015	.0031	.5977	.03
%RSD	829.4	20.78	79.42	8.629	114.9	54.25	.3330

#1	.0014	<.0000	.0000	.0168	.0073	<.0000	10.28
#2	<.0000	<.0000	<.0000	.0168	.0017	<.0000	10.28
#3	.0003	<.0000	<.0000	.0160	.0003	<.0000	10.24
#4	.0003	<.0000	<.0000	.0194	.0016	<.0000	10.33

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	46.28	<.0000	<.0000	<.0000	<.0000
SDev	.0007	.0048	.09	.0047	.0064	.0279	.0534
%RSD	55.41	36.91	.1896	84.85	12.85	52.96	190.4

#1	<.0000	<.0000	46.18	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	46.37	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	46.24	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	46.33	<.0000	<.0000	<.0000	.0267

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	8.982	.1244	<.0000	<.0000
SDev	.043	.1317	.0008	.0013
%RSD	.4786	105.9	12.34	293.9

#1	8.935	.0599	<.0000	<.0000
#2	8.975	.2942	<.0000	<.0000
#3	8.980	.1537	<.0000	<.0000
#4	9.039	<.0000	<.0000	.0007