

WTC summary

12/17/01 cont'd

103.2
74.6 30048 $\frac{4.527 \times 50}{.375} = 603.6$

34368 30049 $\frac{.2233 \times 50}{.3229} = 34.6$

1728.4 30050 $1.042 \times 50 = 52.1$

CCU + CCB

770.3

12/19/01 WTC Samples
IT BIK IPC+CB

5 STD

103.9
1988.8 IPC+CB 28663+Lab Dup+spk 28664

101.4 LFB+LRB 28665

940.2 28593+Lab Dup+spk 28666

1896 28594 28667

511.4 595 28668

596 28669

294.1 597 28677

1448 598 28678

5 599 28751

649 IPC+CB

650 LFB+LRB

28752 Lab Dup+spk

28753

28754

28755

28756

28757

28759

28760

28688

28689

IPC+CB

28690+Lab Dup+spk

28692

28693

28694

28801

28802

28898

28899

28900

28901

IPC+CB

Reviewed by,
JB 3/14/02

29127

29128

Hardline
March 30 2003 5:17 PM

28901

28902

28998

IPC+CB

CRN

Standardization Rpt.

12/19/01 09:23:41 AM

page 1

Method: IECW Standard: STD1-Blank

Run Time: 12/19/01 09:21:58

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	1.344	3.886	.4950	.2765	.1450	.1965	4.018
SDev	.006	.015	.0152	.0025	.0011	.0010	.014
%RSD	.4209	.3874	3.068	.9102	.7963	.5089	.3433
#1	1.348	3.880	.4840	.2740	.1440	.1960	4.022
#2	1.348	3.902	.5060	.2760	.1460	.1980	4.012
#3	1.344	3.894	.5100	.2760	.1460	.1960	4.036
#4	1.336	3.868	.4800	.2800	.1440	.1960	4.004
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.2745	2.582	.9680	.5870	-.0025	5.346	1.319
SDev	.0019	.015	.0033	.0020	.0034	.015	.006
%RSD	.6976	.5727	.3374	.3407	136.6	.2789	.4357
#1	.2720	2.572	.9680	.5880	.0020	5.350	1.322
#2	.2740	2.600	.9680	.5880	-.0020	5.364	1.322
#3	.2760	2.568	.9720	.5880	-.0040	5.344	1.310
#4	.2760	2.588	.9640	.5840	-.0060	5.328	1.320
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0940	.1325	1.911	.5080	.7440	.1510	.1365
SDev	.0016	.0025	.011	.0023	.0054	.0035	.0034
%RSD	1.737	1.899	.5505	.4546	.7280	2.294	2.502
#1	.0920	.1320	1.896	.5060	.7360	.1520	.1380
#2	.0960	.1360	1.920	.5100	.7480	.1540	.1400
#3	.0940	.1300	1.912	.5060	.7460	.1460	.1360
#4	.0940	.1320	1.916	.5100	.7460	.1520	.1320
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.802	.1400	.6885	.1565			
SDev	.005	.0065	.0041	.0038			
%RSD	.2866	4.666	.5989	2.419			
#1	1.796	.1400	.6920	.1540			
#2	1.800	.1320	.6920	.1620			
#3	1.808	.1480	.6860	.1540			
#4	1.804	.1400	.6840	.1560			

Standardization Rpt.

12/19/01 09:43:15 AM

page 1

Method: IECW Standard: STD6

Run Time: 12/19/01 09:41:53

Elem	Ag3280
Avge	44.11
SDev	.06
%RSD	.1413

#1	44.10
#2	44.02
#3	44.15
#4	44.16

Standardization Rpt.

12/19/01 09:49:22 AM

page 1

Method: IECW Standard: STD3

Run Time: 12/19/01 09:47:39

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	27.11	244.5	15.29	6.477	13.63	17.43	1.592
SDev	.20	2.4	.13	.058	.16	.09	.011
%RSD	.7213	.9784	.8816	.8975	1.148	.5354	.6726

#1	26.88	241.9	15.14	6.416	13.42	17.35	1.578
#2	27.28	246.3	15.38	6.506	13.80	17.43	1.594
#3	27.02	243.0	15.22	6.444	13.63	17.37	1.592
#4	27.27	246.7	15.43	6.544	13.67	17.56	1.604

Elem	V11908
Avge	1.264
SDev	.015
%RSD	1.156

#1	1.256
#2	1.272
#3	1.248
#4	1.280

Standardization Rpt.

12/19/01 09:51:33 AM

page 1

Method: IECW Standard: STD4
Run Time: 12/19/01 09:50:11



Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	5.929	38.29	47.86	1.028	6.018
SDev	.100	.15	.22	.039	.036
%RSD	1.692	.4024	.4602	3.752	.5964
#1	6.058	38.45	48.14	1.012	6.062
#2	5.952	38.26	47.66	1.082	5.984
#3	5.880	38.37	47.92	.9920	6.032
#4	5.826	38.10	47.70	1.028	5.994

Standardization Rpt.

12/19/01 09:54:41 AM

page 1

Method: IECW Standard: STD2

Run Time: 12/19/01 09:53:19



Elem	Ba4934	Ca3179	Cd2288	Co2286	Cu3247	K_7664	Mg2790
Avge	31.06	95.30	37.82	133.1	28.12	11.34	8.019
SDev	.30	.39	.26	.6	.24	.03	.040
%RSD	.9739	.4127	.6978	.4774	.8693	.2830	.5002

#1	31.49	95.54	38.02	133.7	28.46	11.38	8.076
#2	31.06	95.72	38.08	133.6	28.13	11.35	8.016
#3	30.92	94.99	37.56	132.4	27.99	11.31	7.990
#4	30.79	94.94	37.63	132.7	27.90	11.33	7.992

Elem	Mn2576	Pb2203	Zn2138
Avge	30.73	5.783	29.79
SDev	.18	.028	.15
%RSD	.5850	.4804	.5159

#1	30.95	5.792	29.99
#2	30.79	5.776	29.84
#3	30.61	5.814	29.69
#4	30.55	5.748	29.66

Standardization Rpt.

12/19/01 09:58:42 AM

page 1

Method: IECW Standard: STD5

Run Time: 12/19/01 09:57:20

Elem	V_2924
Avge	33.40
SDev	.07
%RSD	.2142

#1	33.31
#2	33.43
#3	33.47
#4	33.39

Analysis Report

12/19/01 10:20:57 AM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/19/01 10:18:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	.0015	<.0000
SDev	.0007	.0073	.0227	.0014	.0005	.0005	.0024
%RSD	17.14	27.19	77.75	32.43	40.88	33.44	36.02

#1	<.0000	<.0000	<.0000	<.0000	<.0000	.0020	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0016	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	.0014	<.0000
#4	<.0000	<.0000	.0023	<.0000	<.0000	.0009	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0011	<.0000	<.0000
SDev	.0016	.0026	.0020	.0009	.0018	.2390	.0045
%RSD	74.69	48.33	80.04	10.71	166.4	51.89	20.00

#1	<.0000	<.0000	<.0000	<.0000	.0014	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0014	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0028	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0139	<.0000	.0025	<.0000	<.0000	.0842
SDev	.0005	.0098	.0161	.0052	.0166	.0362	.1105
%RSD	65.42	70.16	47.47	209.6	38.74	143.3	131.2

#1	<.0000	.0229	<.0000	.0019	<.0000	.0146	<.0000
#2	<.0000	.0164	<.0000	.0043	<.0000	<.0000	.1683
#3	<.0000	.0164	<.0000	.0080	<.0000	<.0000	<.0000
#4	<.0000	.0000	<.0000	<.0000	<.0000	<.0000	.1908

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0001	<.0000	<.0000
SDev	.0204	.0311	.0014	.0006
%RSD	8.801	51350.	42.23	38.37

#1	<.0000	.0046	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0411	<.0000	<.0000

Analysis Report

12/19/01 10:31:42 AM

page 1

Method: IECW

Sample Name: ipc #123

Operator: it

Run Time: 12/19/01 10:25:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4827 ✓	1.024 ✓	.0045	.9634	.9831 ✓	.9664 ✓	.9490 ✓
SDev	.0016	.008	.0458	.0069	.0038	.0021	.0018
%RSD	.3388	.7786	1022.	.7170	.3851	.2127	.1913

#1	.4807	1.026	.0558	.9573	.9810	.9644	.9501
#2	.4835	1.026	.0301	.9726	.9875	.9692	.9492
#3	.4821	1.031	<.0000	.9647	.9790	.9655	.9503
#4	.4845	1.013	<.0000	.9589	.9849	.9665	.9464

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.9452 ✓	.9526 ✓	.9335 ✓	.9454 ✓	1.036 ✓	<.0000	.9098 ✓
SDev	.0055	.0033	.0026	.0024	.002	.2539	.0098
%RSD	.5829	.3494	.2813	.2539	.1783	24.58	1.074

#1	.9428	.9503	.9352	.9427	1.034	<.0000	.8987
#2	.9529	.9519	.9297	.9478	1.036	<.0000	.9046
#3	.9449	.9508	.9352	.9442	1.039	<.0000	.9165
#4	.9401	.9575	.9339	.9471	1.036	<.0000	.9194

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.9495 ✓	.9778 ✓	1.004 ✓	1.004 ✓	.9419	1.006	.0616
SDev	.0014	.0179	.021	.007	.0153	.038	.0919
%RSD	.1418	1.835	2.119	.7322	1.623	3.742	149.0

#1	.9486	.9915	1.013	1.014	.9439	.9949	.0505
#2	.9506	.9744	1.020	1.005	.9202	1.010	.0505
#3	.9480	.9538	1.009	.9971	.9557	1.055	.1842
#4	.9506	.9915	.9727	.9997	.9478	.9648	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.8168	1.090	.9536 ✓	.9494 ✓
SDev	.0143	.080	.0028	.0034
%RSD	1.757	7.383	.2976	.3624

#1	.8052	1.095	.9498	.9460
#2	.8221	1.114	.9565	.9541
#3	.8347	1.172	.9535	.9494
#4	.8052	.9798	.9547	.9480

Analysis Report

12/19/01 10:34:44 AM

page 1

Method: IECW Sample Name: lfb

Operator: it

Run Time: 12/19/01 10:30:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0186	.2251	.2416	.2479	.2466	.0478	<.0000
SDev	.0022	.0148	.0262	.0033	.0015	.0004	.0027
%RSD	12.04	6.560	10.86	1.323	.6200	.8943	78.40

#1	.0206	.2396	.2267	.2485	.2455	.0481	<.0000
#2	.0154	.2046	.2419	.2459	.2468	.0477	<.0000
#3	.0187	.2266	.2784	.2522	.2487	.0482	<.0000
#4	.0196	.2296	.2195	.2449	.2455	.0473	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0991	.0974	.2401	.2432	.2599	.0000	<.0000
SDev	.0029	.0024	.0018	.0015	.0040	.5285	.0095
%RSD	2.925	2.427	.7437	.6158	1.546	23.98	47.23

#1	.0968	.0981	.2409	.2444	.2596	<.0000	<.0000
#2	.0990	.0939	.2375	.2423	.2554	<.0000	<.0000
#3	.1032	.0985	.2413	.2444	.2652	<.0000	<.0000
#4	.0974	.0991	.2409	.2415	.2596	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2470	.0997	<.0000	.2522	.2320	.2156	.2068
SDev	.0018	.0056	.0274	.0042	.0150	.0246	.0997
%RSD	.7280	5.633	68540.	1.664	6.455	11.42	48.22

#1	.2478	.1046	.0048	.2556	.2508	.2048	.1281
#2	.2458	.0916	<.0000	.2470	.2350	.1904	.3529
#3	.2491	.1014	.0049	.2556	.2270	.2192	.1731
#4	.2452	.1014	.0280	.2507	.2151	.2481	.1731

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1727	.2944	.0939	.2478
SDev	.0594	.0747	.0018	.0020
%RSD	34.39	25.36	1.878	.8134

#1	.2555	.3080	.0942	.2473
#2	.1230	.2899	.0918	.2486
#3	.1751	.3806	.0961	.2500
#4	.1372	.1991	.0936	.2453

Analysis Report

12/19/01 11:13:38 AM

page 1

Method: IECW Sample Name: lrb

Operator: it

Run Time: 12/19/01 11:11:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0029	.0162	.0401	.0017	.0006	.0000	.0018
%RSD	37.52	33.10	328.3	45.70	54.81	40.00	24.13

#1	<.0000	<.0000	.0283	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0004	<.0000	<.0000
SDev	.0005	.0023	.0023	.0021	.0029	.7129	.0130
%RSD	134.1	51.65	36.30	34.82	787.9	27.84	27.24

#1	<.0000	<.0000	<.0000	<.0000	.0035	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0021	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0004	.0031	.0281	.0014	.0198	.0246	.0800
%RSD	28.97	13.73	112.7	24.33	41.61	114.7	109.8

#1	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0038	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0120	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0546	<.0000	<.0000
SDev	.0372	.0296	.0018	.0006
%RSD	16.40	54.25	30.20	165.7

#1	<.0000	.0546	<.0000	<.0000
#2	<.0000	.0183	<.0000	.0003
#3	<.0000	.0546	<.0000	<.0000
#4	<.0000	.0908	<.0000	<.0000

Analysis Report

12/19/01 11:15:43 AM

page 1

Method: IECW Sample Name: 28593

Operator: it

Run Time: 12/19/01 11:13:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0018	.0125	<.0000	5.741
SDev	.0007	.0051	.0727	.0015	.0003	.0000	.030
%RSD	6.685	10.43	409.8	84.54	2.575	15.38	.5169

#1	<.0000	<.0000	.0641	.0018	.0127	<.0000	5.783
#2	<.0000	<.0000	<.0000	.0007	.0127	<.0000	5.713
#3	<.0000	<.0000	<.0000	.0007	.0120	<.0000	5.732
#4	<.0000	<.0000	.0200	.0039	.0127	<.0000	5.737

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0289	<.0000	1.196
SDev	.0015	.0008	.0018	.0009	.0021	.4499	.012
%RSD	247.9	12.86	26.38	13.33	7.254	14.44	1.018

#1	.0009	<.0000	<.0000	<.0000	.0306	<.0000	1.190
#2	.0003	<.0000	<.0000	<.0000	.0278	<.0000	1.193
#3	<.0000	<.0000	<.0000	<.0000	.0264	<.0000	1.187
#4	<.0000	<.0000	<.0000	<.0000	.0306	<.0000	1.214

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	<.0000	7.290	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0075	.067	.0019	.0082	.0118	.0870
%RSD	1.423	40.06	.9227	28.64	17.93	21.78	81.19

#1	.0231	<.0000	7.379	<.0000	<.0000	<.0000	<.0000
#2	.0231	<.0000	7.223	<.0000	<.0000	<.0000	<.0000
#3	.0224	<.0000	7.258	<.0000	<.0000	<.0000	<.0000
#4	.0231	<.0000	7.299	<.0000	<.0000	<.0000	.0164

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6991	.1115	<.0000	<.0000
SDev	.0152	.0500	.0009	.0004
%RSD	2.167	44.86	12.93	51.34

#1	.7121	.1614	<.0000	<.0000
#2	.7121	.0888	<.0000	<.0000
#3	.6837	.1433	<.0000	<.0000
#4	.6884	.0525	<.0000	<.0000

Analysis Report

12/19/01 11:18:03 AM

page 1

Method: IECW Sample Name: 28593lab dup

Operator: it

Run Time: 12/19/01 11:16:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0014	.0127 ¹²⁵	<.0000	5.761 ⁵⁷¹
SDev	.0015	.0017	.0316	.0005	.0000	.0001	.021
%RSD	14.71	3.410	13400.	37.10	.0216	16.50	.3644
#1	<.0000	<.0000	.0200	.0007	.0127	<.0000	5.766
#2	<.0000	<.0000	.0273	.0017	.0127	<.0000	5.774
#3	<.0000	<.0000	<.0000	.0012	.0127	<.0000	5.773
#4	<.0000	<.0000	<.0000	.0018	.0127	<.0000	5.730
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0306 ²⁸⁹	<.0000	1.206 ¹¹⁹⁶
SDev	.0018	.0019	.0010	.0013	.0011	.1977	.022
%RSD	119.4	29.83	16.33	18.83	3.751	6.896	1.810
#1	<.0000	<.0000	<.0000	<.0000	.0306	<.0000	1.202
#2	<.0000	<.0000	<.0000	<.0000	.0306	<.0000	1.229
#3	<.0000	<.0000	<.0000	<.0000	.0292	<.0000	1.217
#4	.0009	<.0000	<.0000	<.0000	.0320	<.0000	1.178
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0234 ²²⁹	<.0000	7.358 ^{7.29}	<.0000	<.0000	<.0000	<.0000
SDev	.0004	.0041	.030	.0043	.0105	.0181	.0535
%RSD	1.616	22.81	.4088	200.4	23.52	41.87	134.5
#1	.0237	<.0000	7.354	.0000	<.0000	<.0000	<.0000
#2	.0231	<.0000	7.317	.0025	<.0000	<.0000	.0184
#3	.0231	<.0000	7.385	<.0000	<.0000	<.0000	<.0000
#4	.0237	<.0000	7.376	<.0000	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.6991	.0298	<.0000	<.0000			
SDev	.0242	.0374	.0003	.0011			
%RSD	3.464	125.7	4.124	124.3			
#1	.6742	<.0000	<.0000	.0003			
#2	.7026	.0524	<.0000	<.0000			
#3	.7310	<.0000	<.0000	<.0000			
#4	.6885	.0707	<.0000	<.0000			

Analysis Report

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Method: IECW Sample Name: 28593spk

Operator: it

Run Time: 12/19/01 11:24:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0158	.2149	.1792	.2568	.2588	.0471	5.685
SDev	.0010	.0024	.0527	.0041	.0012	.0002	.021
%RSD	6.389	1.141	29.39	1.597	.4783	.3693	.3608
#1	.0158	.2179	.2261	.2571	.2605	.0474	5.701
#2	.0172	.2118	.1710	.2624	.2579	.0471	5.700
#3	.0149	.2149	.2115	.2535	.2592	.0471	5.682
#4	.0153	.2149	.1084	.2540	.2579	.0469	5.657
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0992	.0929	.2337	.2387	.2766	<.0000	1.188
SDev	.0010	.0018	.0009	.0014	.0024	.1148	.025
%RSD	1.030	1.948	.3902	.5761	.8624	4.795	2.133
#1	.1000	.0948	.2337	.2407	.2797	<.0000	1.190
#2	.0978	.0936	.2346	.2378	.2769	<.0000	1.222
#3	.0989	.0905	.2325	.2378	.2741	<.0000	1.163
#4	.1000	.0927	.2342	.2385	.2755	<.0000	1.178
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2682	.0851	7.242	.2529	.1973	.2335	.2118
SDev	.0014	.0046	.037	.0054	.0083	.0118	.0463
%RSD	.5069	5.403	.5082	2.144	4.187	5.045	21.87
#1	.2686	.0818	7.288	.2467	.1874	.2335	.2399
#2	.2679	.0851	7.224	.2553	.1953	.2479	.1725
#3	.2699	.0818	7.203	.2504	.2072	.2335	.1725
#4	.2666	.0916	7.251	.2590	.1993	.2191	.2624
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.8765	.3060	.0917	.2460			
SDev	.0165	.0877	.0009	.0008			
%RSD	1.884	28.65	.9413	.3451			
#1	.8824	.2878	.0917	.2452			
#2	.8965	.4330	.0924	.2472			
#3	.8588	.2334	.0905	.2458			
#4	.8682	.2697	.0924	.2458			

Analysis Report

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Method: IECW Sample Name: 28594

Run Time: 12/19/01 11:29:24

Comment:

Operator: it

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0077	.0010	.0132	<.0000	5.765
SDev	.0012	.0073	.0343	.0013	.0003	.0000	.019
%RSD	20.31	34.60	446.1	130.0	2.454	.0000	.3329

#1	<.0000	<.0000	<.0000	.0007	.0133	<.0000	5.748
#2	<.0000	<.0000	<.0000	.0002	.0133	<.0000	5.792
#3	<.0000	<.0000	.0271	.0002	.0133	<.0000	5.765
#4	<.0000	<.0000	.0453	.0028	.0127	<.0000	5.755

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	<.0000	.0289	<.0000	1.205
SDev	.0008	.0006	.0009	.0000	.0024	.1284	.009
%RSD	168.9	22.88	30.67	.0147	8.281	7.074	.7822

#1	<.0000	<.0000	<.0000	<.0000	.0264	<.0000	1.202
#2	.0009	<.0000	<.0000	<.0000	.0278	<.0000	1.211
#3	.0009	<.0000	<.0000	<.0000	.0320	<.0000	1.193
#4	.0009	<.0000	<.0000	<.0000	.0292	<.0000	1.214

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0239	<.0000	6.903	.0015	<.0000	<.0000	<.0000
SDev	.0003	.0049	.023	.0045	.0160	.0361	.0283
%RSD	1.365	33.16	.3341	293.4	80.63	83.07	5258.

#1	.0237	<.0000	6.871	.0012	<.0000	.0035	<.0000
#2	.0244	<.0000	6.920	.0074	<.0000	<.0000	<.0000
#3	.0237	<.0000	6.904	<.0000	<.0000	<.0000	<.0000
#4	.0237	<.0000	6.919	.0012	<.0000	<.0000	.0388

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7606	.0161	<.0000	.0004
SDev	.0136	.0257	.0006	.0003
%RSD	1.786	159.2	12.59	80.26

#1	.7405	.0525	<.0000	.0003
#2	.7688	<.0000	<.0000	.0003
#3	.7641	.0162	<.0000	.0009
#4	.7688	<.0000	<.0000	.0003

Analysis Report

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page 1

Method: IECW Sample Name: 28595

Operator: it

Run Time: 12/19/01 11:32:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0105	.0022	.0133	<.0000	5.815
SDev	.0007	.0040	.0143	.0006	.0000	.0000	.033
%RSD	10.38	13.66	135.8	26.93	.0256	.0000	.5627

#1	<.0000	<.0000	<.0000	.0028	.0133	<.0000	5.862
#2	<.0000	<.0000	.0272	.0017	.0133	<.0000	5.801
#3	<.0000	<.0000	.0160	.0028	.0133	<.0000	5.809
#4	<.0000	<.0000	.0050	.0017	.0133	<.0000	5.788

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0035	.0562	<.0000	1.202
SDev	.0020	.0006	.0006	.0004	.0024	.3018	.015
%RSD	1032.	15.63	15.53	12.03	4.256	14.23	1.215

#1	.0025	<.0000	<.0000	.0031	.0558	<.0000	1.214
#2	<.0000	<.0000	<.0000	.0039	.0586	<.0000	1.184
#3	<.0000	<.0000	<.0000	.0039	.0572	<.0000	1.214
#4	<.0000	<.0000	<.0000	.0031	.0530	<.0000	1.196

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0227	<.0000	6.520	<.0000	<.0000	<.0000	.0275
SDev	.0006	.0056	.086	.0042	.0153	.0341	.0468
%RSD	2.868	27.64	1.325	168.8	45.44	156.6	169.8

#1	.0237	<.0000	6.648	.0000	<.0000	.0035	.0388
#2	.0224	<.0000	6.465	<.0000	<.0000	<.0000	<.0000
#3	.0224	<.0000	6.474	<.0000	<.0000	.0035	.0163
#4	.0224	<.0000	6.492	.0000	<.0000	<.0000	.0837

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7073	.0706	<.0000	.0040
SDev	.0116	.0695	.0008	.0007
%RSD	1.638	98.53	20.30	17.03

#1	.7026	.0161	<.0000	.0043
#2	.7168	.0161	<.0000	.0043
#3	.7168	.0887	<.0000	.0043
#4	.6932	.1613	<.0000	.0029

Analysis Report

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Method: IECW Sample Name: 28596

Run Time: 12/19/01 11:34:46

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0036	.0015	.0177	<.0000	7.003
SDev	.0014	.0097	.0318	.0009	.0000	.0000	.028
%RSD	19.59	63.69	890.5	61.38	.0166	15.38	.3980

#1	<.0000	<.0000	<.0000	.0005	.0177	<.0000	7.026
#2	<.0000	<.0000	.0154	.0011	.0177	<.0000	7.019
#3	<.0000	<.0000	.0267	.0026	.0177	<.0000	7.003
#4	<.0000	<.0000	.0156	.0016	.0177	<.0000	6.964

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0282	.0769	<.0000	1.662
SDev	.0015	.0007	.0017	.0009	.0021	.1995	.021
%RSD	1768.	15.10	55.36	3.329	2.720	8.986	1.255

#1	<.0000	<.0000	<.0000	.0285	.0752	<.0000	1.640
#2	.0008	<.0000	<.0000	.0292	.0793	<.0000	1.687
#3	<.0000	<.0000	<.0000	.0271	.0780	<.0000	1.669
#4	.0014	<.0000	<.0000	.0278	.0752	<.0000	1.652

Elem	Mn2576	Mo2020~	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1335	<.0000	8.353	.0033	<.0000	<.0000	.0385
SDev	.0011	.0000	.078	.0019	.0102	.0204	.0778
%RSD	.8343	.0303	.9351	56.30	68.84	79.95	202.2

#1	.1340	<.0000	8.398	.0048	<.0000	.0033	.1508
#2	.1347	<.0000	8.385	.0048	<.0000	<.0000	.0160
#3	.1334	<.0000	8.392	.0024	<.0000	<.0000	<.0000
#4	.1321	<.0000	8.236	.0011	<.0000	<.0000	.0160

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7893	.0743	<.0000	.0028
SDev	.0179	.0617	.0011	.0011
%RSD	2.266	83.08	26.46	41.80

#1	.7869	.0153	<.0000	.0022
#2	.8152	.1605	<.0000	.0043
#3	.7774	.0698	<.0000	.0029
#4	.7775	.0517	<.0000	.0016

Analysis Report

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page 1

Method: IECW Sample Name: 28597

Operator: it

Run Time: 12/19/01 11:59:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0065	.0158	<.0000	8.683
SDev	.0012	.0092	.0605	.0013	.0003	.0000	.064
%RSD	20.68	46.14	425.0	19.23	2.042	.0000	.7328
#1	<.0000	<.0000	.0041	.0078	.0163	<.0000	8.706
#2	<.0000	<.0000	<.0000	.0052	.0156	<.0000	8.591
#3	<.0000	<.0000	<.0000	.0073	.0156	<.0000	8.737
#4	<.0000	<.0000	.0630	.0057	.0156	<.0000	8.700
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0052	.0405	<.0000	2.292
SDev	.0015	.0008	.0018	.0010	.0018	.4008	.008
%RSD	236.9	21.22	51.91	19.66	4.451	26.87	.3523
#1	.0014	<.0000	<.0000	.0060	.0398	<.0000	2.295
#2	<.0000	<.0000	<.0000	.0060	.0384	<.0000	2.298
#3	<.0000	<.0000	<.0000	.0038	.0412	<.0000	2.295
#4	<.0000	<.0000	<.0000	.0052	.0426	<.0000	2.280
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0318	<.0000	10.35	.0044	<.0000	<.0000	.0045
SDev	.0004	.0027	.12	.0048	.0201	.0216	.0870
%RSD	1.185	21.52	1.137	109.3	61.41	74.16	1913.
#1	.0315	<.0000	10.35	.0022	<.0000	<.0000	<.0000
#2	.0321	<.0000	10.20	<.0000	<.0000	<.0000	<.0000
#3	.0321	<.0000	10.49	.0108	<.0000	<.0000	.0383
#4	.0315	<.0000	10.35	.0047	<.0000	.0033	.1057
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.8425	.0552	<.0000	.0005			
SDev	.0077	.0830	.0013	.0013			
%RSD	.9171	150.4	36.42	241.5			
#1	.8520	.0144	<.0000	.0015			
#2	.8330	<.0000	<.0000	.0015			
#3	.8425	.1415	<.0000	<.0000			
#4	.8425	.1052	<.0000	.0002			

Analysis Report

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Method: IECW Sample Name: 28598

Operator: it

Run Time: 12/19/01 12:01:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0392	.0113	.0256	<.0000	15.28
SDev	.0006	.0045	.0260	.0007	.0004	.0000	.06
%RSD	7.573	11.17	66.26	5.866	1.445	.0000	.3795

#1	<.0000	<.0000	.0650	.0104	.0259	<.0000	15.26
#2	<.0000	<.0000	.0538	.0114	.0259	<.0000	15.36
#3	<.0000	<.0000	.0062	.0114	.0252	<.0000	15.22
#4	<.0000	<.0000	.0318	.0119	.0252	<.0000	15.27

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	.0116	.0397	<.0000	5.431
SDev	.0009	.0012	.0019	.0006	.0023	.1026	.029
%RSD	85.25	21.47	61.54	5.110	5.786	4.763	.5385

#1	<.0000	<.0000	<.0000	.0116	.0397	<.0000	5.429
#2	.0001	<.0000	<.0000	.0123	.0369	<.0000	5.468
#3	<.0000	<.0000	<.0000	.0116	.0425	<.0000	5.397
#4	<.0000	<.0000	<.0000	.0109	.0397	<.0000	5.429

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0180	<.0000	13.46	.0097	<.0000	<.0000	<.0000
SDev	.0006	.0067	.06	.0027	.0139	.0246	.0786
%RSD	3.462	36.82	.4728	28.07	28.01	83.23	3181.

#1	.0175	<.0000	13.45	.0138	<.0000	<.0000	<.0000
#2	.0182	<.0000	13.55	.0088	<.0000	<.0000	.0818
#3	.0175	<.0000	13.43	.0088	<.0000	<.0000	<.0000
#4	.0189	<.0000	13.40	.0076	<.0000	.0029	.0369

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	2.413	.0775	<.0000	.0031
SDev	.012	.0618	.0006	.0016
%RSD	.5138	79.69	11.39	51.84

#1	2.402	<.0000	<.0000	.0048
#2	2.426	.1002	<.0000	.0014
#3	2.403	.0821	<.0000	.0041
#4	2.421	.1365	<.0000	.0021

Analysis Report

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Method: IECW Sample Name: 28599

Operator: it

Run Time: 12/19/01 12:04:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0026	.0132	<.0000	5.831
SDev	.0012	.0037	.0306	.0005	.0003	.0001	.008
%RSD	17.02	10.04	190.9	20.67	2.459	16.50	.1415

#1	<.0000	<.0000	.0162	.0028	.0127	<.0000	5.837
#2	<.0000	<.0000	<.0000	.0028	.0133	<.0000	5.825
#3	<.0000	<.0000	<.0000	.0018	.0133	<.0000	5.822
#4	<.0000	<.0000	<.0000	.0028	.0133	<.0000	5.838

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0122	.0215	<.0000	1.196
SDev	.0015	.0006	.0016	.0004	.0029	.4405	.015
%RSD	258.5	12.33	34.13	3.433	13.54	19.19	1.271

#1	<.0000	<.0000	<.0000	.0126	.0222	<.0000	1.190
#2	<.0000	<.0000	<.0000	.0118	.0180	<.0000	1.196
#3	<.0000	<.0000	<.0000	.0118	.0250	<.0000	1.181
#4	.0014	<.0000	<.0000	.0126	.0208	<.0000	1.217

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0188	<.0000	7.127	.0034	<.0000	<.0000	.0557
SDev	.0004	.0049	.051	.0041	.0205	.0182	.0696
%RSD	2.000	24.93	.7155	119.7	59.03	27.93	124.9

#1	.0185	<.0000	7.091	.0025	<.0000	<.0000	.0164
#2	.0185	<.0000	7.086	.0037	<.0000	<.0000	.1512
#3	.0192	<.0000	7.196	<.0000	<.0000	<.0000	<.0000
#4	.0192	<.0000	7.134	.0086	<.0000	<.0000	.0613

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6364	.1024	<.0000	.0023
SDev	.0241	.0477	.0010	.0006
%RSD	3.793	46.62	21.09	24.17

#1	.6695	.0706	<.0000	.0023
#2	.6269	.0525	<.0000	.0023
#3	.6364	.1433	<.0000	.0016
#4	.6127	.1432	<.0000	.0030

Analysis Report

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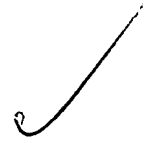
Method: IECW Sample Name: 28649

Operator: it

Run Time: 12/19/01 12:06:55

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0363	.0128	.0274	<.0000	23.65
SDev	.0008	.0054	.0683	.0019	.0003	.0001	.12
%RSD	20.84	34.98	188.4	14.78	1.193	23.09	.4890

#1	<.0000	<.0000	.1218	.0103	.0270	<.0000	23.71
#2	<.0000	<.0000	.0114	.0140	.0276	<.0000	23.77
#3	<.0000	<.0000	<.0000	.0124	.0276	<.0000	23.60
#4	<.0000	<.0000	.0520	.0145	.0276	<.0000	23.51

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0012	<.0000	.0005	<.0000	.0694	<.0000	7.888
SDev	.0007	.0014	.0014	.0009	.0039	.3817	.015
%RSD	55.41	53.17	297.9	45.35	5.552	4609.	.1961

#1	.0011	<.0000	.0011	<.0000	.0677	.1906	7.884
#2	.0011	<.0000	.0003	<.0000	.0718	.2569	7.911
#3	.0005	<.0000	.0020	<.0000	.0649	.0911	7.884
#4	.0021	<.0000	<.0000	<.0000	.0733	<.0000	7.875

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0618	<.0000	26.04	.0094	<.0000	<.0000	<.0000
SDev	.0005	.0070	.04	.0087	.0131	.0216	.0425
%RSD	.8626	55.28	.1440	92.41	330.1	138.5	1135.

#1	.0624	<.0000	25.99	.0205	.0050	<.0000	<.0000
#2	.0617	<.0000	26.08	.0119	<.0000	<.0000	.0580
#3	.0611	<.0000	26.04	.0008	.0050	.0024	<.0000
#4	.0618	<.0000	26.03	.0045	<.0000	.0024	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.286	.2323	<.0000	.0008
SDev	.021	.0545	.0006	.0014
%RSD	1.616	23.45	26.59	181.6

#1	1.310	.2777	<.0000	.0019
#2	1.296	.1687	<.0000	.0019
#3	1.277	.2777	<.0000	<.0000
#4	1.263	.2051	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 28650

Run Time: 12/19/01 12:09:18

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0028	.0127	<.0000	5.746
SDev	.0007	.0062	.0211	.0015	.0000	.0000	.050
%RSD	12.56	24.83	123.3	55.10	.0413	.0000	.8719

#1	<.0000	<.0000	<.0000	.0033	.0127	<.0000	5.744
#2	<.0000	<.0000	<.0000	.0044	.0127	<.0000	5.817
#3	<.0000	<.0000	<.0000	.0028	.0127	<.0000	5.703
#4	<.0000	<.0000	.0087	.0007	.0127	<.0000	5.721

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0254	<.0000	1.208
SDev	.0023	.0007	.0011	.0004	.0035	.1555	.021
%RSD	182.9	23.21	40.03	18.13	13.77	7.416	1.721

#1	<.0000	<.0000	<.0000	<.0000	.0292	<.0000	1.199
#2	<.0000	<.0000	<.0000	<.0000	.0250	<.0000	1.232
#3	.0009	<.0000	<.0000	<.0000	.0208	<.0000	1.184
#4	<.0000	<.0000	<.0000	<.0000	.0264	<.0000	1.217

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0232	<.0000	3.973	.0031	<.0000	<.0000	<.0000
SDev	.0003	.0056	.044	.0074	.0169	.0273	.0468
%RSD	1.400	34.01	1.112	240.5	65.74	125.4	269.2

#1	.0231	<.0000	3.973	.0099	<.0000	<.0000	.0388
#2	.0237	<.0000	4.034	.0037	<.0000	.0179	<.0000
#3	.0231	<.0000	3.933	<.0000	<.0000	<.0000	<.0000
#4	.0231	<.0000	3.950	.0062	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4200	.0888	<.0000	<.0000
SDev	.0170	.0392	.0006	.0006
%RSD	4.039	44.20	17.11	130.4

#1	.4093	.0706	<.0000	<.0000
#2	.4424	.0524	<.0000	.0003
#3	.4046	.0888	<.0000	<.0000
#4	.4235	.1432	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 28651

Operator: it

Run Time: 12/19/01 12:11:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0019	.0127	<.0000	5.723
SDev	.0007	.0033	.0583	.0014	.0000	.0000	.022
%RSD	9.965	10.45	248.5	73.94	.0190	15.38	.3853

#1	<.0000	<.0000	.0529	.0007	.0127	<.0000	5.728
#2	<.0000	<.0000	<.0000	.0033	.0127	<.0000	5.724
#3	<.0000	<.0000	<.0000	.0028	.0127	<.0000	5.694
#4	<.0000	<.0000	<.0000	.0007	.0127	<.0000	5.748

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	<.0000	<.0000	<.0000	.0380	<.0000	1.209
SDev	.0019	.0006	.0011	.0010	.0007	.2970	.019
%RSD	217.3	17.81	24.55	24.84	1.832	13.23	1.539

#1	.0009	<.0000	<.0000	<.0000	.0390	<.0000	1.229
#2	.0035	<.0000	<.0000	<.0000	.0376	<.0000	1.220
#3	<.0000	<.0000	<.0000	<.0000	.0376	<.0000	1.187
#4	<.0000	<.0000	<.0000	<.0000	.0376	<.0000	1.202

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0237	<.0000	3.994	.0046	<.0000	<.0000	.0500
SDev	.0000	.0049	.027	.0035	.0123	.0118	.0674
%RSD	.0049	33.18	.6647	76.53	44.23	29.61	134.7

#1	.0237	<.0000	4.020	.0049	<.0000	<.0000	.1062
#2	.0237	<.0000	3.959	.0000	<.0000	<.0000	.1062
#3	.0237	<.0000	3.989	.0049	<.0000	<.0000	<.0000
#4	.0237	<.0000	4.009	.0086	<.0000	<.0000	.0164

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4140	.0660	<.0000	.0008
SDev	.0102	.0817	.0006	.0008
%RSD	2.463	123.7	11.82	112.0

#1	.4235	.0706	<.0000	.0009
#2	.4188	.1795	<.0000	<.0000
#3	.4141	.0162	<.0000	.0016
#4	.3999	<.0000	<.0000	.0009

Analysis Report

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Method: IECW Sample Name: ipc
 Run Time: 12/19/01 12:25:00
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4944 ✓	1.004 ✓	<.0000	.9826	.9906 ✓	.9676 ✓	.9702 ✓
SDev	.0019	.014	.0711	.0044	.0062	.0059	.0064
%RSD	.3860	1.359	658.6	.4447	.6227	.6071	.6604

#1	.4915	.9859	<.0000	.9879	.9892	.9626	.9609
#2	.4958	1.006	.0333	.9842	.9918	.9706	.9755
#3	.4948	1.007	.0517	.9779	.9833	.9628	.9720
#4	.4953	1.019	<.0000	.9805	.9982	.9745	.9722

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9676 ✓	.9717 ✓	.9616 ✓	.9634 ✓	.9995 ✓	<.0000	.9350 ✓
SDev	.0081	.0053	.0060	.0080	.0071	.3592	.0066
%RSD	.8418	.5403	.6208	.8292	.7079	32.93	.7050

#1	.9615	.9642	.9538	.9596	.9915	<.0000	.9283
#2	.9796	.9723	.9641	.9625	.9970	<.0000	.9312
#3	.9641	.9744	.9607	.9567	1.001	<.0000	.9372
#4	.9652	.9759	.9679	.9749	1.008	<.0000	.9431

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9724 ✓	.9189 ✓	.9460 ✓	1.004 ✓	.9632	.9980	.0399
SDev	.0046	.0094	.0254	.015	.0153	.0186	.0768
%RSD	.4759	1.018	2.687	1.464	1.588	1.865	192.7

#1	.9716	.9246	.9206	.9859	.9424	.9909	.0062
#2	.9716	.9213	.9437	1.007	.9781	1.005	.0511
#3	.9677	.9050	.9811	1.022	.9701	1.020	.1410
#4	.9788	.9246	.9384	1.003	.9622	.9764	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9500	1.006	.9678 ✓	.9755
SDev	.0152	.076	.0058	.0067
%RSD	1.604	7.568	.6021	.6856

#1	.9304	1.097	.9634	.9669
#2	.9489	1.024	.9701	.9750
#3	.9673	.9145	.9628	.9770
#4	.9535	.9875	.9750	.9831

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/19/01 12:27:03

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0004	<.0000	.0001	.0005
SDev	.0010	.0050	.0478	.0009	.0004	.0002	.0011
%RSD	144.0	66.54	290.3	228.0	231.2	189.3	218.7

#1	<.0000	<.0000	<.0000	.0016	.0002	.0003	.0004
#2	.0007	<.0000	<.0000	<.0000	<.0000	.0001	.0019
#3	<.0000	<.0000	<.0000	.0005	.0002	<.0000	<.0000
#4	<.0000	<.0000	.0479	<.0000	<.0000	<.0000	.0004

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0002	.0004	.0016	<.0000	<.0000	.0030
SDev	.0016	.0019	.0031	.0012	.0007	.0722	.0085
%RSD	299.9	804.1	719.5	75.90	107000.	25.34	287.1

#1	<.0000	.0027	<.0000	.0022	<.0000	<.0000	.0007
#2	.0008	.0004	.0035	.0029	.0010	<.0000	.0097
#3	<.0000	<.0000	<.0000	.0015	<.0000	<.0000	<.0000
#4	.0008	<.0000	.0022	<.0000	<.0000	<.0000	.0097

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0138	.0111	.0056	<.0000	.0324	<.0000
SDev	.0005	.0110	.0146	.0006	.0107	.0319	.0531
%RSD	109.0	79.19	130.9	11.12	90.30	98.44	135.1

#1	<.0000	.0301	<.0000	.0065	<.0000	.0433	<.0000
#2	<.0000	.0106	<.0000	.0052	<.0000	.0721	<.0000
#3	.0002	.0073	.0285	.0052	<.0000	.0000	<.0000
#4	<.0000	.0073	.0178	.0052	<.0000	.0144	.0337

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0000	<.0000	.0007
SDev	.0102	.1278	.0006	.0000
%RSD	98.49	3888000.	127.6	.0871

#1	<.0000	.0229	.0003	.0007
#2	<.0000	<.0000	<.0000	.0007
#3	<.0000	<.0000	<.0000	.0007
#4	<.0000	.1691	<.0000	.0007

Analysis Report

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page 1

Method: IECW Sample Name: 28663

Operator: it

Run Time: 12/19/01 13:07:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0012	.0124	<.0000	5.660
SDev	.0015	.0091	.0182	.0009	.0003	.0000	.033
%RSD	23.37	34.42	773.0	69.68	2.594	5.556	.5873

#1	<.0000	<.0000	.0068	.0012	.0125	<.0000	5.655
#2	<.0000	<.0000	.0181	.0012	.0125	<.0000	5.702
#3	<.0000	<.0000	<.0000	.0002	.0125	<.0000	5.660
#4	<.0000	<.0000	<.0000	.0023	.0119	<.0000	5.621

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	1.193
SDev	.0016	.0015	.0011	.0008	.0020	.4006	.016
%RSD	55.68	49.12	30.36	12.56	8.253	25.11	1.325

#1	<.0000	<.0000	<.0000	<.0000	.0268	<.0000	1.190
#2	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	1.181
#3	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	1.216
#4	<.0000	<.0000	<.0000	<.0000	.0226	<.0000	1.187

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0226	<.0000	7.158	.0040	<.0000	<.0000	.0388
SDev	.0004	.0067	.033	.0050	.0119	.0320	.0960
%RSD	1.668	17.89	.4611	123.8	40.01	98.27	247.3

#1	.0223	<.0000	7.164	.0012	<.0000	<.0000	.1681
#2	.0229	<.0000	7.203	.0111	<.0000	.0143	<.0000
#3	.0229	<.0000	7.137	.0000	<.0000	<.0000	.0557
#4	.0223	<.0000	7.130	.0037	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7154	<.0000	<.0000	<.0000
SDev	.0267	.0346	.0010	.0003
%RSD	3.739	117.7	21.76	21.05

#1	.7177	<.0000	<.0000	<.0000
#2	.6854	<.0000	<.0000	<.0000
#3	.7499	<.0000	<.0000	<.0000
#4	.7085	.0209	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 28663lab dup

Operator: it

Run Time: 12/19/01 13:10:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0206	.0012	.0122	<.0000	5.641
SDev	.0016	.0063	.0122	.0019	.0004	.0000	.029
%RSD	29.31	25.97	59.35	155.3	3.033	5.556	.5145

#1	<.0000	<.0000	.0216	<.0000	.0119	<.0000	5.616
#2	<.0000	<.0000	.0289	.0002	.0125	<.0000	5.671
#3	<.0000	<.0000	.0030	.0033	.0125	<.0000	5.660
#4	<.0000	<.0000	.0289	.0023	.0119	<.0000	5.616

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0250	<.0000	1.187
SDev	.0019	.0019	.0002	.0009	.0007	.2134	.019
%RSD	63.45	57.81	10.78	15.84	2.816	16.48	1.602

#1	<.0000	<.0000	<.0000	<.0000	.0254	<.0000	1.163
#2	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	1.207
#3	<.0000	<.0000	<.0000	<.0000	.0254	<.0000	1.184
#4	<.0000	<.0000	<.0000	<.0000	.0254	<.0000	1.196

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	<.0000	7.156	.0086	<.0000	<.0000	.0276
SDev	.0005	.0046	.039	.0087	.0203	.0246	.1012
%RSD	2.322	12.02	.5513	100.9	97.61	135.7	366.8

#1	.0223	<.0000	7.139	.0185	<.0000	<.0000	.0332
#2	.0236	<.0000	7.215	<.0000	<.0000	.0143	.0332
#3	.0229	<.0000	7.135	.0111	.0000	<.0000	<.0000
#4	.0229	<.0000	7.135	.0074	<.0000	<.0000	.1456

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7223	<.0000	<.0000	<.0000
SDev	.0244	.0624	.0003	.0010
%RSD	3.377	251.5	6.796	63.17

#1	.6901	.0392	<.0000	<.0000
#2	.7454	<.0000	<.0000	<.0000
#3	.7362	.0026	<.0000	<.0000
#4	.7177	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 28663spk

Operator: it

Run Time: 12/19/01 13:26:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0206 ⁸²²	.2856 ¹¹⁴	.2272	.2575	.2575 ⁹⁸²	.0468	5.576
SDev	.0011	.0052	.0770	.0051	.0016	.0003	.033
%RSD	5.402	1.813	33.90	1.964	.6269	.7580	.5878

#1	.0194	.2811	.1131	.2624	.2571	.0469	5.568
#2	.0199	.2841	.2825	.2555	.2577	.0467	5.556
#3	.0213	.2841	.2567	.2608	.2596	.0473	5.625
#4	.0218	.2931	.2566	.2513	.2558	.0464	5.557

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0988	.0963	.2373	.2411	.2808 ⁰²⁴⁰	<.0000	1.176
SDev	.0030	.0011	.0027	.0015	.0074	.1843	.014
%RSD	3.000	1.113	1.147	.6206	2.621	26.90	1.227

#1	.0989	.0958	.2342	.2398	.2773	<.0000	1.167
#2	.0946	.0953	.2401	.2420	.2912	<.0000	1.197
#3	.1016	.0977	.2389	.2427	.2745	<.0000	1.170
#4	.1000	.0965	.2359	.2398	.2801	<.0000	1.167

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2677 ⁰²²⁶	.0978	7.158	.2531 ⁰⁰⁴⁰	.2245	.2151	.2811
SDev	.0024	.0065	.078	.0041	.0050	.0181	.0667
%RSD	.8764	6.631	1.094	1.616	2.219	8.439	23.72

#1	.2689	.0946	7.173	.2500	.2195	.2403	.3717
#2	.2682	.0946	7.212	.2586	.2235	.2115	.2584
#3	.2695	.1076	7.204	.2537	.2314	.2115	.2811
#4	.2643	.0946	7.043	.2500	.2235	.1971	.2132

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.049	.2619	.0943	.2443
SDev	.022	.0992	.0014	.0019
%RSD	2.086	37.90	1.498	.7815

#1	1.028	.1844	.0931	.2470
#2	1.037	.2025	.0931	.2430
#3	1.079	.2573	.0955	.2443
#4	1.051	.4033	.0955	.2430

Analysis Report

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page 1

Method: IECW Sample Name: 28664

Operator: it

Run Time: 12/19/01 13:31:14

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0067	.0032	.0124	<.0000	5.639
SDev	.0010	.0093	.0324	.0019	.0003	.0001	.038
%RSD	24.13	79.44	487.0	60.43	2.634	27.22	.6656

#1	<.0000	<.0000	<.0000	.0007	.0119	<.0000	5.683
#2	<.0000	<.0000	.0435	.0054	.0125	<.0000	5.650
#3	<.0000	.0013	<.0000	.0033	.0125	<.0000	5.594
#4	<.0000	<.0000	.0214	.0033	.0125	<.0000	5.628

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0247	<.0000	1.185
SDev	.0013	.0008	.0008	.0004	.0014	.2901	.006
%RSD	276.8	40.09	42.77	26.39	5.678	33.94	.5014

#1	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	1.182
#2	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	1.182
#3	.0014	<.0000	<.0000	<.0000	.0268	<.0000	1.182
#4	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	1.194

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0227	<.0000	6.806	.0022	<.0000	<.0000	<.0000
SDev	.0005	.0049	.089	.0031	.0279	.0320	.1338
%RSD	2.344	146.7	1.306	142.1	352.4	110.3	2153.

#1	.0221	<.0000	6.832	.0006	<.0000	.0107	.1013
#2	.0227	.0040	6.885	.0006	.0336	<.0000	<.0000
#3	.0234	<.0000	6.679	.0068	<.0000	<.0000	<.0000
#4	.0227	<.0000	6.830	.0006	<.0000	<.0000	.0787

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7798	.0755	<.0000	<.0000
SDev	.0109	.0699	.0010	.0008
%RSD	1.393	92.50	39.30	111.9

#1	.7867	.0938	<.0000	<.0000
#2	.7913	.1668	<.0000	.0001
#3	.7685	.0208	<.0000	<.0000
#4	.7730	.0208	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 28665

Operator: it

Run Time: 12/19/01 13:34:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0023	.0286	.0025	.0130	<.0000	5.700
SDev	.0011	.0071	.0257	.0013	.0003	.0001	.027
%RSD	35.28	314.0	90.13	49.32	2.485	23.09	.4692

#1	<.0000	.0023	<.0000	.0039	.0125	<.0000	5.700
#2	<.0000	<.0000	.0470	.0012	.0132	<.0000	5.679
#3	<.0000	.0122	.0211	.0017	.0132	<.0000	5.738
#4	<.0000	<.0000	.0507	.0033	.0132	<.0000	5.685

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0088	.0275	<.0000	1.217
SDev	.0007	.0021	.0019	.0011	.0033	.2936	.007
%RSD	1114.	175.2	2033.	12.44	12.12	72.85	.6098

#1	<.0000	<.0000	<.0000	.0082	.0240	<.0000	1.218
#2	<.0000	<.0000	<.0000	.0097	.0254	<.0000	1.209
#3	<.0000	.0019	.0027	.0097	.0296	<.0000	1.227
#4	.0009	<.0000	<.0000	.0075	.0310	<.0000	1.215

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0213	<.0000	6.631	.0043	<.0000	<.0000	.0164
SDev	.0003	.0070	.026	.0083	.0206	.0144	.0874
%RSD	1.534	278.5	.3929	190.7	173.2	36.15	534.5

#1	.0208	<.0000	6.661	<.0000	.0178	<.0000	.1013
#2	.0214	.0007	6.645	.0043	<.0000	<.0000	.0786
#3	.0214	.0040	6.607	.0130	<.0000	<.0000	<.0000
#4	.0214	<.0000	6.611	.0068	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8094	<.0000	<.0000	.0024
SDev	.0149	.1264	.0008	.0007
%RSD	1.839	802.7	61.46	27.62

#1	.7912	<.0000	<.0000	.0021
#2	.8094	<.0000	<.0000	.0021
#3	.8277	.1667	<.0000	.0021
#4	.8094	<.0000	<.0000	.0035

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Method: IECW Sample Name: 28666

Run Time: 12/19/01 13:36:52

Comment:

Operator: it

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0081	.0035	.0139	<.0000	6.839
SDev	.0033	.0097	.0368	.0014	.0003	.0001	.040
%RSD	87.67	2451.	456.4	39.96	2.308	40.00	.5892

#1	<.0000	.0051	.0467	.0017	.0137	<.0000	6.797
#2	<.0000	<.0000	.0322	.0048	.0137	<.0000	6.816
#3	<.0000	.0051	<.0000	.0043	.0143	<.0000	6.888
#4	<.0000	.0031	<.0000	.0032	.0137	<.0000	6.854

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0116	.0357	<.0000	1.605
SDev	.0010	.0011	.0014	.0014	.0040	.4013	.018
%RSD	66.08	43.51	192.1	11.81	11.32	73.21	1.115

#1	<.0000	<.0000	<.0000	.0118	.0406	<.0000	1.607
#2	<.0000	<.0000	<.0000	.0096	.0308	<.0000	1.580
#3	<.0000	<.0000	<.0000	.0125	.0349	<.0000	1.622
#4	<.0000	<.0000	.0008	.0125	.0364	<.0000	1.613

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0330	.0039	8.080	.0002	<.0000	<.0000	<.0000
SDev	.0008	.0000	.023	.0042	.0117	.0320	.0984
%RSD	2.485	.1784	.2859	1944.	84.07	146.0	190.3

#1	.0332	.0039	8.073	.0018	<.0000	.0105	.0784
#2	.0319	.0040	8.086	<.0000	<.0000	<.0000	<.0000
#3	.0338	.0039	8.109	.0042	.0020	<.0000	<.0000
#4	.0332	.0039	8.054	.0005	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8463	<.0000	<.0000	.0017
SDev	.0418	.1068	.0008	.0007
%RSD	4.943	3963.	41.19	38.50

#1	.8178	<.0000	<.0000	.0021
#2	.8088	.0567	<.0000	.0007
#3	.8588	.1113	<.0000	.0021
#4	.8999	<.0000	<.0000	.0021

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Method: IECW Sample Name: 28667

Operator: it

Run Time: 12/19/01 13:44:05

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0185	.0036	.0132	<.0000	5.882
SDev	.0010	.0033	.0517	.0003	.0000	.0000	.018
%RSD	26.77	60460.	279.9	8.466	.0133	.0000	.2979

#1	<.0000	<.0000	.0802	.0038	.0132	<.0000	5.907
#2	<.0000	.0002	<.0000	.0038	.0132	<.0000	5.866
#3	<.0000	.0042	.0285	.0033	.0132	<.0000	5.879
#4	<.0000	<.0000	.0102	.0033	.0132	<.0000	5.877

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	<.0000	.0044	.0348	<.0000	1.195
SDev	.0018	.0023	.0003	.0011	.0013	.2433	.016
%RSD	300.0	139.3	17.99	24.78	3.846	36.80	1.321

#1	.0030	<.0000	<.0000	.0060	.0338	<.0000	1.194
#2	<.0000	<.0000	<.0000	.0039	.0366	<.0000	1.194
#3	<.0000	<.0000	<.0000	.0038	.0352	<.0000	1.215
#4	.0009	.0017	<.0000	.0039	.0338	<.0000	1.176

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0314	<.0000	7.619	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0055	.043	.0041	.0088	.0297	.0392
%RSD	1.989	166.6	.5674	1366.	59.12	82.02	57.22

#1	.0312	<.0000	7.671	.0043	<.0000	<.0000	<.0000
#2	.0319	.0040	7.593	<.0000	<.0000	<.0000	<.0000
#3	.0319	<.0000	7.575	<.0000	<.0000	<.0000	<.0000
#4	.0306	<.0000	7.636	.0006	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8140	.0253	<.0000	.0019
SDev	.0296	.0603	.0006	.0003
%RSD	3.632	238.1	24.91	17.43

#1	.8551	.0208	<.0000	.0014
#2	.8004	<.0000	<.0000	.0021
#3	.7866	.0390	<.0000	.0021
#4	.8141	.0938	<.0000	.0021

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Method: IECW Sample Name: 28668

Operator: it

Run Time: 12/19/01 13:46:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0080	.0220	.0014	.0132	<.0000	5.706
SDev	.0011	.0089	.0197	.0017	.0000	.0000	.024
%RSD	44.99	111.8	89.35	128.9	.0194	18.18	.4236

#1	<.0000	.0122	.0137	<.0000	.0132	<.0000	5.683
#2	<.0000	<.0000	.0433	.0017	.0132	<.0000	5.689
#3	<.0000	.0182	<.0000	.0012	.0132	<.0000	5.732
#4	<.0000	.0033	.0322	.0033	.0132	<.0000	5.722

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0005	<.0000	<.0000	.0039	.0338	<.0000	1.201
SDev	.0015	.0012	.0012	.0006	.0020	.2114	.010
%RSD	323.3	122.5	49.76	15.39	5.855	67.25	.7918

#1	.0025	.0002	<.0000	.0046	.0352	<.0000	1.197
#2	<.0000	<.0000	<.0000	.0039	.0338	<.0000	1.197
#3	.0009	<.0000	<.0000	.0039	.0352	<.0000	1.215
#4	<.0000	<.0000	<.0000	.0031	.0310	<.0000	1.194

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0280	<.0000	6.678	.0059	<.0000	<.0000	<.0000
SDev	.0000	.0055	.035	.0042	.0133	.0273	.0489
%RSD	.0029	166.4	.5259	71.58	224.2	93.98	85.47

#1	.0280	.0040	6.648	.0093	.0020	<.0000	<.0000
#2	.0280	<.0000	6.672	.0093	<.0000	<.0000	.0107
#3	.0280	<.0000	6.663	.0006	.0020	<.0000	<.0000
#4	.0280	<.0000	6.728	.0043	<.0000	.0106	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.8254	<.0000	<.0000	.0028
SDev	.0237	.0456	.0009	.0006
%RSD	2.871	95.74	54.37	19.79

#1	.8049	<.0000	<.0000	.0028
#2	.8186	.0025	<.0000	.0028
#3	.8186	<.0000	<.0000	.0035
#4	.8596	<.0000	<.0000	.0021

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Method: IECW Sample Name: 28669

Operator: it

Run Time: 12/19/01 13:48:44

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0027	<.0000	.0018	.0131	<.0000	6.046
SDev	.0007	.0040	.0236	.0014	.0000	.0000	.006
%RSD	31.87	147.8	106.9	77.74	.0056	.0000	.1018

#1	<.0000	.0052	<.0000	.0023	.0131	<.0000	6.041
#2	<.0000	<.0000	<.0000	.0033	.0131	<.0000	6.046
#3	<.0000	.0022	<.0000	.0012	.0131	<.0000	6.055
#4	<.0000	.0062	<.0000	.0002	.0131	<.0000	6.042

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	.0097	.0236	<.0000	1.197
SDev	.0024	.0016	.0019	.0006	.0035	.2580	.014
%RSD	514.3	84.58	150.9	6.140	14.80	96.97	1.128

#1	.0009	<.0000	<.0000	.0104	.0281	<.0000	1.212
#2	<.0000	<.0000	<.0000	.0097	.0198	<.0000	1.179
#3	.0030	.0002	<.0000	.0089	.0226	<.0000	1.200
#4	.0009	<.0000	.0010	.0097	.0240	<.0000	1.197

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0182	<.0000	7.045	.0028	<.0000	<.0000	<.0000
SDev	.0005	.0049	.014	.0040	.0171	.0288	.0667
%RSD	2.930	5973.	.1924	141.7	862.5	158.2	559.1

#1	.0182	<.0000	7.034	.0043	.0138	.0250	<.0000
#2	.0175	.0040	7.065	<.0000	.0059	<.0000	.0560
#3	.0188	<.0000	7.043	.0043	<.0000	<.0000	<.0000
#4	.0182	.0040	7.038	.0056	<.0000	<.0000	.0107

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8619	<.0000	<.0000	.0014
SDev	.0109	.0349	.0006	.0012
%RSD	1.260	529.3	113.1	86.19

#1	.8687	.0025	<.0000	.0021
#2	.8688	<.0000	<.0000	.0008
#3	.8459	<.0000	<.0000	.0028
#4	.8642	.0390	.0002	.0001

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Method: IECW Sample Name: 28677

Run Time: 12/19/01 13:58:10

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0053	.0313	.0019	.0127	<.0000	5.675
SDev	.0004	.0069	.0471	.0005	.0003	.0001	.010
%RSD	18.43	131.5	150.7	26.69	2.542	23.09	.1847

#1	<.0000	<.0000	.0581	.0023	.0125	<.0000	5.668
#2	<.0000	.0072	.0211	.0023	.0125	<.0000	5.684
#3	<.0000	.0072	.0764	.0018	.0125	<.0000	5.664
#4	<.0000	.0112	<.0000	.0012	.0132	<.0000	5.684

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	<.0000	.0268	<.0000	1.211
SDev	.0008	.0003	.0016	.0006	.0020	.1535	.007
%RSD	387.1	12.31	166.9	118.0	7.399	42.32	.5841

#1	.0009	<.0000	<.0000	<.0000	.0296	<.0000	1.203
#2	<.0000	<.0000	.0010	<.0000	.0254	<.0000	1.218
#3	.0009	<.0000	<.0000	<.0000	.0268	<.0000	1.206
#4	<.0000	<.0000	<.0000	.0002	.0254	<.0000	1.215

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0240	<.0000	7.151	.0012	<.0000	<.0000	<.0000
SDev	.0000	.0055	.035	.0021	.0138	.0320	.0131
%RSD	.0015	324.6	.4844	172.3	155.5	146.4	14.32

#1	.0240	<.0000	7.182	.0006	.0059	.0106	<.0000
#2	.0240	.0007	7.179	.0006	<.0000	<.0000	<.0000
#3	.0240	<.0000	7.125	<.0000	<.0000	<.0000	<.0000
#4	.0240	.0040	7.116	.0043	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7935	<.0000	<.0000	.0001
SDev	.0109	.0298	.0006	.0006
%RSD	1.368	189.4	91.10	669.1

#1	.7867	.0208	<.0000	.0001
#2	.7821	<.0000	<.0000	.0001
#3	.8003	<.0000	<.0000	.0008
#4	.8049	<.0000	.0002	<.0000

Analysis Report

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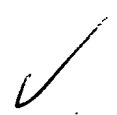
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Operator: it

Run Time: 12/19/01 14:06:34

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0023	<.0000	.0028	.0127	<.0000	5.710
SDev	.0012	.0050	.0431	.0010	.0003	.0001	.016
%RSD	30.50	219.1	213.2	34.18	2.539	23.09	.2730

#1	<.0000	.0082	<.0000	.0033	.0125	<.0000	5.716
#2	<.0000	.0042	<.0000	.0023	.0132	<.0000	5.726
#3	<.0000	<.0000	.0433	.0018	.0125	<.0000	5.690
#4	<.0000	<.0000	<.0000	.0039	.0125	<.0000	5.708

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	<.0000	<.0000	<.0000	.0254	<.0000	1.212
SDev	.0008	.0013	.0010	.0008	.0030	.2948	.011
%RSD	86.32	53.52	95.78	68.18	11.90	44.60	.9386

#1	.0009	<.0000	<.0000	<.0000	.0254	<.0000	1.221
#2	.0014	<.0000	<.0000	<.0000	.0282	<.0000	1.221
#3	.0014	<.0000	<.0000	<.0000	.0212	<.0000	1.209
#4	<.0000	<.0000	<.0000	<.0000	.0268	<.0000	1.197

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0240	<.0000	7.027	<.0000	<.0000	<.0000	<.0000
SDev	.0005	.0041	.087	.0032	.0109	.0138	.0716
%RSD	2.214	239.4	1.234	352.8	73.40	63.19	89.63

#1	.0240	<.0000	7.083	.0006	<.0000	<.0000	<.0000
#2	.0247	.0040	6.906	<.0000	<.0000	<.0000	<.0000
#3	.0234	<.0000	7.097	<.0000	<.0000	<.0000	<.0000
#4	.0240	<.0000	7.020	.0019	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8254	.0527	<.0000	<.0000
SDev	.0151	.1352	.0005	.0015
%RSD	1.831	256.6	31.40	246.0

#1	.8231	.1667	<.0000	.0014
#2	.8459	.0937	<.0000	<.0000
#3	.8094	.0937	<.0000	<.0000
#4	.8231	<.0000	<.0000	<.0000

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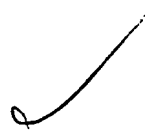
Method: IECW Sample Name: 28751

Operator: it

Run Time: 12/19/01 14:16:11

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0090	<.0000	.0044	.0132	<.0000	5.744
SDev	.0016	.0075	.0362	.0007	.0000	.0001	.034
%RSD	92.09	83.26	156.8	16.83	.0243	54.71	.5957

#1	<.0000	.0082	<.0000	.0044	.0132	<.0000	5.728
#2	<.0000	.0192	<.0000	.0049	.0132	<.0000	5.744
#3	<.0000	.0012	.0101	.0049	.0132	<.0000	5.792
#4	<.0000	.0072	<.0000	.0033	.0132	<.0000	5.713

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	.0010	<.0000	.0243	<.0000	1.236
SDev	.0010	.0014	.0021	.0015	.0053	.4424	.008
%RSD	1414.	434.7	220.1	464.5	21.71	228.7	.6206

#1	.0009	.0016	.0027	.0009	.0254	<.0000	1.239
#2	<.0000	<.0000	.0022	.0009	.0226	.3144	1.245
#3	<.0000	<.0000	<.0000	<.0000	.0310	<.0000	1.233
#4	.0009	<.0000	.0010	<.0000	.0184	<.0000	1.227

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0242	<.0000	7.329	.0074	.0010	<.0000	<.0000
SDev	.0003	.0049	.102	.0029	.0131	.0320	.0285
%RSD	1.347	5551.	1.386	39.65	1329.	110.1	98.46

#1	.0240	.0040	7.300	.0105	.0138	<.0000	.0107
#2	.0247	<.0000	7.294	.0093	.0099	<.0000	<.0000
#3	.0240	<.0000	7.478	.0056	<.0000	<.0000	<.0000
#4	.0240	.0040	7.246	.0043	<.0000	.0106	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8470	.0116	<.0000	.0001
SDev	.0176	.0349	.0011	.0006
%RSD	2.078	301.3	304.9	679.5

#1	.8641	.0025	.0002	.0001
#2	.8595	.0389	.0009	<.0000
#3	.8368	.0390	<.0000	.0008
#4	.8277	<.0000	<.0000	.0001

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/19/01 14:22:31

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4866	1.002	<.0000	.9702	.9747	.9525	.9507
SDev	.0012	.002	.0367	.0037	.0023	.0018	.0031
%RSD	.2417	.2203	168.4	.3766	.2386	.1874	.3301
#1	.4850	1.005	.0039	.9693	.9742	.9541	.9538
#2	.4878	1.003	<.0000	.9756	.9768	.9528	.9490
#3	.4868	.9996	<.0000	.9682	.9716	.9499	.9529
#4	.4868	1.001	.0151	.9677	.9762	.9531	.9472
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9558	.9520	.9418	.9484	.9864	<.0000	.9257
SDev	.0005	.0058	.0018	.0030	.0043	.2255	.0132
%RSD	.0557	.6111	.1936	.3210	.4412	43.71	1.423
#1	.9566	.9590	.9429	.9493	.9913	<.0000	.9301
#2	.9555	.9523	.9421	.9486	.9885	<.0000	.9064
#3	.9555	.9520	.9429	.9443	.9843	<.0000	.9301
#4	.9555	.9448	.9391	.9515	.9815	<.0000	.9361
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9568	.9391	.9583	.9892	.9553	.9227	.0000
SDev	.0029	.0108	.0220	.0164	.0180	.0432	.0489
%RSD	.3070	1.146	2.294	1.660	1.883	4.687	298.2
#1	.9603	.9245	.9619	1.011	.9316	.8867	.0289
#2	.9544	.9375	.9263	.9933	.9712	.8867	<.0000
#3	.9583	.9472	.9743	.9735	.9514	.9732	.0062
#4	.9544	.9472	.9708	.9797	.9672	.9444	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9604	1.054	.9541	.9583			
SDev	.0091	.060	.0020	.0035			
%RSD	.9509	5.717	.2050	.3608			
#1	.9650	1.059	.9558	.9568			
#2	.9650	.9858	.9527	.9629			
#3	.9650	1.041	.9521	.9548			
#4	.9467	1.132	.9558	.9588			

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Method: IECW Sample Name: cb

Operator: it

Run Time: 12/19/01 14:24:50

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0018	.0107	.0063	.0010	.0003	.0004	<.0000
SDev	.0011	.0054	.0434	.0020	.0003	.0002	.0019
%RSD	65.31	50.59	688.5	192.4	99.82	43.20	27.58

#1	.0032	.0149	<.0000	<.0000	.0008	.0007	<.0000
#2	.0018	.0110	.0183	<.0000	.0002	.0004	<.0000
#3	.0004	.0030	<.0000	.0016	.0002	.0003	<.0000
#4	.0018	.0139	.0587	.0037	.0002	.0003	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0016	.0013	.0007	.0044	.0024	<.0000	.0022
SDev	.0009	.0005	.0007	.0007	.0023	.3164	.0051
%RSD	56.93	40.06	97.56	16.66	93.33	654.0	231.0

#1	.0025	.0013	.0017	.0054	.0052	.2821	.0067
#2	.0015	.0016	.0009	.0040	.0024	.0887	<.0000
#3	.0020	.0016	.0000	.0040	.0024	<.0000	<.0000
#4	.0004	.0005	.0004	.0040	<.0000	<.0000	.0067

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0003	.0308	<.0000	.0111	.0079	.0036	<.0000
SDev	.0004	.0016	.0154	.0072	.0105	.0144	.0285
%RSD	115.6	5.274	346.6	65.02	132.4	403.6	38.68

#1	.0007	.0300	.0018	.0219	<.0000	.0108	<.0000
#2	.0007	.0300	.0142	.0071	.0218	<.0000	<.0000
#3	<.0000	.0332	<.0000	.0071	.0020	.0108	<.0000
#4	<.0000	.0300	<.0000	.0083	.0099	.0108	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0456	<.0000	.0018	.0035
SDev	.0158	.0765	.0011	.0009
%RSD	34.64	836.9	57.74	26.93

#1	.0684	.0410	.0027	.0049
#2	.0410	<.0000	.0027	.0029
#3	.0410	.0228	.0009	.0029
#4	.0319	.0228	.0009	.0035

Analysis Report

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Method: IECW Sample Name: lfb

Run Time: 12/19/01 14:28:05

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0211	.2420	.1992	.2446	.2421	.0464	<.0000
SDev	.0011	.0029	.0343	.0042	.0011	.0003	.0027
%RSD	5.260	1.212	17.22	1.707	.4361	.6538	43.48

#1	.0214	.2400	.1661	.2385	.2408	.0460	<.0000
#2	.0218	.2440	.1955	.2464	.2421	.0467	<.0000
#3	.0218	.2450	.1881	.2480	.2434	.0466	<.0000
#4	.0195	.2390	.2471	.2454	.2421	.0464	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0967	.0972	.2347	.2409	.2491	.0000	<.0000
SDev	.0028	.0023	.0013	.0019	.0021	.2240	.0152
%RSD	2.928	2.405	.5424	.7927	.8440	15.10	63.82

#1	.0931	.0973	.2336	.2393	.2501	<.0000	<.0000
#2	.0958	.0998	.2353	.2429	.2473	<.0000	<.0000
#3	.0989	.0976	.2362	.2422	.2473	<.0000	<.0000
#4	.0990	.0941	.2336	.2393	.2515	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2406	.1077	.0195	.2623	.2364	.2298	.1743
SDev	.0023	.0080	.0192	.0132	.0149	.0138	.0894
%RSD	.9529	7.379	98.38	5.015	6.320	6.004	51.26

#1	.2389	.1077	.0356	.2750	.2235	.2118	.2139
#2	.2422	.1174	.0338	.2627	.2512	.2407	.1007
#3	.2429	.0980	.0142	.2676	.2472	.2262	.2818
#4	.2383	.1077	<.0000	.2441	.2235	.2407	.1008

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1802	.2959	.0931	.2405
SDev	.0188	.0298	.0019	.0023
%RSD	10.43	10.08	2.075	.9547

#1	.1825	.3324	.0913	.2397
#2	.1824	.2959	.0956	.2424
#3	.2006	.2594	.0937	.2424
#4	.1551	.2959	.0919	.2376

Analysis Report

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Method: IECW Sample Name: lrb
 Run Time: 12/19/01 14:33:33
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0028	.0259	.0052	.0016	.0002	<.0000	<.0000
SDev	.0006	.0061	.0259	.0021	.0000	.0000	.0013
%RSD	20.97	23.71	499.4	131.1	.0879	.0000	24.25

#1	.0036	.0249	.0181	<.0000	.0002	<.0000	<.0000
#2	.0027	.0189	<.0000	.0021	.0002	<.0000	<.0000
#3	.0027	.0339	.0217	.0042	.0002	<.0000	<.0000
#4	.0022	.0259	.0144	.0005	.0002	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	.0026	.0005	.0022	.0014	.1370	.0126
SDev	.0012	.0006	.0011	.0007	.0035	.0617	.0024
%RSD	222.0	21.45	212.7	33.34	250.8	45.06	19.22

#1	.0009	.0027	.0013	.0018	<.0000	.2176	.0156
#2	.0009	.0018	<.0000	.0018	<.0000	.0887	.0126
#3	.0015	.0028	<.0000	.0033	<.0000	.1532	.0097
#4	<.0000	.0030	.0017	.0018	.0066	.0887	.0126

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0057	.0129	.0077	.0049	<.0000	<.0000
SDev	.0003	.0019	.0059	.0012	.0094	.0072	.0704
%RSD	198.6	33.03	45.57	16.01	189.3	24.93	309.6

#1	<.0000	.0040	.0125	.0071	<.0000	<.0000	<.0000
#2	<.0000	.0040	.0089	.0071	<.0000	<.0000	<.0000
#3	<.0000	.0073	.0089	.0071	.0178	<.0000	<.0000
#4	<.0000	.0073	.0214	.0096	.0059	<.0000	.0791

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1140	.0684	.0015	.0039
SDev	.0134	.0948	.0010	.0009
%RSD	11.78	138.7	65.39	22.47

#1	.1003	.1687	.0027	.0049
#2	.1094	.1140	.0015	.0035
#3	.1322	<.0000	.0015	.0029
#4	.1140	.0410	.0003	.0042

Analysis Report

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Method: IECW Sample Name: 28752

Operator: it

Run Time: 12/19/01 14:37:41

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0150	<.0000	.0048	.0130	<.0000	5.721
SDev	.0018	.0059	.0373	.0009	.0003	.0000	.034
%RSD	232.7	39.35	441.2	18.79	2.496	28.57	.5996

#1	.0007	.0172	<.0000	.0044	.0132	<.0000	5.727
#2	.0007	.0222	.0393	.0049	.0132	<.0000	5.736
#3	<.0000	.0112	<.0000	.0039	.0132	<.0000	5.671
#4	<.0000	.0092	.0027	.0060	.0125	<.0000	5.749

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K17664	Mg2790
Avge	.0011	.0001	.0004	.0013	.0299	<.0000	1.239
SDev	.0010	.0013	.0021	.0009	.0021	.2924	.017
%RSD	89.63	944.5	495.6	71.45	6.994	86.37	1.398

#1	.0019	.0001	.0022	.0017	.0310	.0242	1.254
#2	.0019	.0001	.0018	.0024	.0310	<.0000	1.254
#3	.0009	.0017	<.0000	.0010	.0268	<.0000	1.221
#4	<.0000	<.0000	.0001	.0002	.0310	<.0000	1.227

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0224	.0032	6.807	.0074	.0109	<.0000	.0050
SDev	.0008	.0041	.030	.0048	.0099	.0333	.0748
%RSD	3.755	129.5	.4405	64.54	90.96	182.1	1499.

#1	.0227	<.0000	6.810	.0130	.0138	.0106	.1012
#2	.0234	.0072	6.793	.0056	.0218	.0105	<.0000
#3	.0214	.0040	6.778	.0093	<.0000	<.0000	.0107
#4	.0221	.0040	6.848	.0019	.0099	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9382	<.0000	.0007	<.0000
SDev	.0242	.0632	.0009	.0003
%RSD	2.581	185.6	130.6	382.2

#1	.9325	<.0000	.0002	<.0000
#2	.9735	.0207	.0015	.0001
#3	.9189	<.0000	.0015	.0001
#4	.9280	.0207	<.0000	.0001

Analysis Report

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Method: IECW Sample Name: 28752lab dup

Run Time: 12/19/01 14:40:02

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0160	.0044	.0062	.0130	<.0000	5.726
SDev	.0002	.0057	.0480	.0018	.0003	.0000	.025
%RSD	255.5	35.84	1080.	28.05	2.477	28.57	.4405

#1	.0003	.0212	.0209	.0075	.0132	<.0000	5.696
#2	<.0000	.0092	.0542	.0039	.0132	<.0000	5.750
#3	<.0000	.0202	.0025	.0060	.0132	<.0000	5.743
#4	<.0000	.0132	<.0000	.0075	.0125	<.0000	5.714

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0003	.0011	.0004	.0017	.0268	<.0000	1.219
SDev	.0008	.0006	.0015	.0006	.0011	.2399	.012
%RSD	222.1	57.77	350.0	35.40	4.285	90.16	1.002

#1	.0009	.0013	<.0000	.0024	.0268	<.0000	1.218
#2	.0009	.0019	<.0000	.0017	.0268	<.0000	1.221
#3	<.0000	.0005	.0027	.0017	.0254	<.0000	1.233
#4	.0003	.0007	.0001	.0009	.0282	<.0000	1.203

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0227	.0064	6.828	.0056	<.0000	<.0000	<.0000
SDev	.0000	.0049	.048	.0017	.0207	.0333	.0113
%RSD	.0030	76.10	.7038	31.38	1041.	182.2	15.27

#1	.0227	.0040	6.764	.0043	<.0000	.0106	<.0000
#2	.0227	.0137	6.878	.0080	.0138	<.0000	<.0000
#3	.0227	.0040	6.823	.0056	.0178	<.0000	<.0000
#4	.0227	.0040	6.846	.0043	<.0000	.0106	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9508	.0253	.0004	.0004
SDev	.0134	.0404	.0009	.0012
%RSD	1.410	160.0	230.2	279.4

#1	.9508	.0390	.0015	.0021
#2	.9645	<.0000	.0009	.0001
#3	.9553	.0572	<.0000	<.0000
#4	.9326	.0390	<.0000	.0001

Analysis Report

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Method: IECW Sample Name: 28752spk

Operator: it

Run Time: 12/19/01 14:52:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0223	.2826	.2493	.2624	.2580	.0476	5.629
SDev	.0014	.0094	.0424	.0030	.0008	.0002	.022
%RSD	6.245	3.338	17.02	1.145	.3228	.5095	.3855

#1	.0241	.2941	.2124	.2624	.2583	.0478	5.649
#2	.0218	.2841	.2604	.2640	.2590	.0478	5.639
#3	.0208	.2811	.3046	.2582	.2571	.0473	5.599
#4	.0227	.2712	.2200	.2650	.2577	.0475	5.629

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1026	.0994	.2414	.2429	.2804	.0000	1.213
SDev	.0019	.0019	.0022	.0012	.0018	.0853	.011
%RSD	1.798	1.960	.9325	.5102	.6264	17.94	.9266

#1	.1053	.1011	.2444	.2442	.2828	<.0000	1.221
#2	.1010	.0976	.2418	.2435	.2800	<.0000	1.221
#3	.1021	.0977	.2393	.2413	.2786	<.0000	1.197
#4	.1021	.1010	.2401	.2427	.2800	<.0000	1.215

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2687	.0954	6.773	.2639	.2413	.2043	.1566
SDev	.0012	.0085	.011	.0063	.0160	.0363	.0877
%RSD	.4596	8.937	.1674	2.397	6.628	17.77	55.98

#1	.2695	.1076	6.771	.2697	.2512	.1971	.2358
#2	.2695	.0881	6.789	.2660	.2551	.1683	.1905
#3	.2669	.0914	6.762	.2648	.2195	.1971	.0321
#4	.2689	.0946	6.769	.2549	.2393	.2548	.1679

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.173	.3029	.0977	.2467
SDev	.008	.0674	.0016	.0020
%RSD	.6654	22.26	1.655	.8204

#1	1.174	.3302	.0992	.2477
#2	1.165	.3850	.0974	.2477
#3	1.183	.2573	.0955	.2436
#4	1.170	.2390	.0986	.2477

Analysis Report

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Method: IECW Sample Name: 28753

Run Time: 12/19/01 14:56:05

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0186	.0282	.0035	.0138	<.0000	6.388
SDev	.0003	.0063	.0276	.0013	.0000	.0000	.052
%RSD	29.30	33.98	97.78	37.36	.0401	.0000	.8200

#1	<.0000	.0101	.0210	.0038	.0138	<.0000	6.352
#2	<.0000	.0211	.0282	.0017	.0138	<.0000	6.400
#3	<.0000	.0251	<.0000	.0038	.0137	<.0000	6.456
#4	<.0000	.0181	.0651	.0049	.0138	<.0000	6.342

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0026	.0009	<.0000	.0073	.0256	<.0000	1.412
SDev	.0011	.0014	.0012	.0004	.0014	.1756	.017
%RSD	42.36	148.0	598.3	4.986	5.261	34.58	1.208

#1	.0025	.0019	<.0000	.0075	.0253	<.0000	1.411
#2	.0014	<.0000	.0000	.0067	.0267	<.0000	1.411
#3	.0025	<.0000	.0013	.0075	.0238	<.0000	1.435
#4	.0041	.0024	<.0000	.0075	.0267	<.0000	1.393

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0219	.0064	7.424	.0037	.0059	.0141	<.0000
SDev	.0006	.0016	.100	.0051	.0171	.0072	.0653
%RSD	2.855	25.36	1.342	139.0	288.5	51.12	95.14

#1	.0214	.0040	7.351	.0092	<.0000	.0250	<.0000
#2	.0227	.0072	7.388	.0043	<.0000	.0105	<.0000
#3	.0214	.0072	7.572	.0043	.0297	.0105	.0105
#4	.0221	.0072	7.387	<.0000	.0059	.0105	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9561	.0980	<.0000	.0021
SDev	.0377	.0229	.0007	.0000
%RSD	3.940	23.41	188.6	.0551

#1	.9003	.0752	<.0000	.0021
#2	.9824	.0934	<.0000	.0021
#3	.9732	.1298	.0002	.0021
#4	.9687	.0934	.0002	.0021

Analysis Report

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Method: IECW Sample Name: 28754

Run Time: 12/19/01 14:58:34

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0126	.0172	.0046	.0137	<.0000	6.525
SDev	.0005	.0048	.0653	.0016	.0000	.0000	.049
%RSD	33.26	37.98	380.5	35.75	.0349	28.57	.7503

#1	<.0000	.0171	.0981	.0054	.0137	<.0000	6.484
#2	<.0000	.0161	<.0000	.0022	.0137	<.0000	6.493
#3	<.0000	.0101	<.0000	.0059	.0137	<.0000	6.530
#4	<.0000	.0071	.0393	.0048	.0137	<.0000	6.592

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	<.0000	.0001	.0102	.0375	<.0000	1.524
SDev	.0009	.0012	.0005	.0009	.0013	.2255	.015
%RSD	91.92	863.2	884.5	8.980	3.577	30.41	.9939

#1	.0009	.0013	.0008	.0111	.0378	<.0000	1.530
#2	.0019	<.0000	<.0000	.0104	.0364	<.0000	1.503
#3	<.0000	.0004	<.0000	.0104	.0392	<.0000	1.524
#4	.0014	<.0000	<.0000	.0089	.0364	<.0000	1.539

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0350	.0039	7.862	.0135	.0020	.0033	<.0000
SDev	.0003	.0000	.066	.0048	.0079	.0083	.0650
%RSD	.9340	.0588	.8344	35.37	401.7	250.9	103.1

#1	.0345	.0039	7.824	.0178	<.0000	.0105	<.0000
#2	.0351	.0039	7.805	.0067	.0138	<.0000	<.0000
#3	.0351	.0039	7.869	.0141	<.0000	.0105	.0332
#4	.0351	.0039	7.952	.0154	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9411	.0157	<.0000	.0016
SDev	.0065	.0404	.0006	.0010
%RSD	.6874	258.1	69.72	63.93

#1	.9365	.0750	<.0000	.0021
#2	.9503	<.0000	<.0000	.0021
#3	.9365	.0020	<.0000	.0021
#4	.9411	.0020	<.0000	.0001

Analysis Report

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Method: IECW Sample Name: 28755

Operator: it

Run Time: 12/19/01 15:01:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0179	<.0000	.0037	.0131	<.0000	6.000
SDev	.0004	.0089	.0116	.0013	.0000	.0000	.040
%RSD	33.23	49.60	95.29	35.31	.0329	.0000	.6681

#1	<.0000	.0152	<.0000	.0023	.0132	<.0000	5.945
#2	<.0000	.0281	<.0000	.0054	.0131	<.0000	6.039
#3	<.0000	.0072	<.0000	.0033	.0131	<.0000	5.997
#4	<.0000	.0211	<.0000	.0038	.0131	<.0000	6.018

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006	<.0000	.0004	.0060	.0299	<.0000	1.258
SDev	.0005	.0013	.0013	.0006	.0029	.1512	.013
%RSD	88.14	353.0	309.1	9.831	9.629	20.17	1.047

#1	<.0000	<.0000	<.0000	.0060	.0267	<.0000	1.239
#2	.0009	.0001	.0009	.0068	.0337	<.0000	1.268
#3	.0009	.0011	.0001	.0053	.0295	<.0000	1.262
#4	.0009	<.0000	.0018	.0060	.0295	<.0000	1.262

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0244	.0048	7.748	.0117	<.0000	<.0000	<.0000
SDev	.0004	.0016	.055	.0039	.0050	.0263	.0535
%RSD	1.551	33.97	.7062	33.28	71.82	144.0	72.07

#1	.0247	.0040	7.671	.0068	<.0000	.0106	<.0000
#2	.0240	.0040	7.769	.0154	<.0000	<.0000	<.0000
#3	.0247	.0040	7.800	.0105	<.0000	<.0000	<.0000
#4	.0240	.0072	7.751	.0142	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9028	.0252	<.0000	.0011
SDev	.0228	.0603	.0006	.0012
%RSD	2.524	239.0	112.3	107.2

#1	.8915	.0207	<.0000	.0001
#2	.9370	.0389	.0002	.0021
#3	.8914	<.0000	<.0000	.0001
#4	.8914	.0936	<.0000	.0021

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Method: IECW Sample Name: 28756

Operator: it

Run Time: 12/19/01 15:03:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0140	<.0000	.0048	.0132	<.0000	5.748
SDev	.0010	.0072	.0487	.0013	.0000	.0000	.044
%RSD	185.2	51.89	238.9	26.12	.0323	28.57	.7672

#1	<.0000	.0212	.0099	.0038	.0132	<.0000	5.811
#2	.0007	.0192	<.0000	.0039	.0132	<.0000	5.729
#3	<.0000	.0082	.0322	.0049	.0132	<.0000	5.709
#4	<.0000	.0072	<.0000	.0065	.0132	<.0000	5.745

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0013	<.0000	.0013	.0071	.0282	<.0000	1.204
SDev	.0019	.0003	.0026	.0004	.0023	.3143	.007
%RSD	146.6	123.9	203.4	5.877	8.094	66.08	.5470

#1	.0003	<.0000	.0044	.0075	.0310	<.0000	1.209
#2	.0019	<.0000	.0018	.0075	.0282	<.0000	1.206
#3	<.0000	<.0000	<.0000	.0068	.0282	<.0000	1.206
#4	.0035	.0001	.0010	.0068	.0254	<.0000	1.194

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0221	.0007	6.663	.0093	.0109	<.0000	<.0000
SDev	.0005	.0079	.039	.0036	.0088	.0353	.0751
%RSD	2.411	1100.	.5901	39.22	80.71	193.4	11550.

#1	.0227	.0104	6.712	.0093	<.0000	.0105	.0786
#2	.0221	.0040	6.647	.0142	.0138	<.0000	.0107
#3	.0214	<.0000	6.620	.0056	.0138	.0106	.0107
#4	.0221	<.0000	6.672	.0080	.0178	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9189	.0344	.0010	.0033
SDev	.0244	.0639	.0009	.0003
%RSD	2.656	185.5	90.75	10.25

#1	.9371	<.0000	.0015	.0035
#2	.9417	.0572	.0021	.0035
#3	.8915	.1120	.0002	.0035
#4	.9052	.0025	.0002	.0028

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Method: IECW Sample Name: 28757

Operator: it

Run Time: 12/19/01 15:05:43

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0199	<.0000	.0039	.0136	<.0000	5.820
SDev	.0010	.0066	.0422	.0015	.0003	.0000	.029
%RSD	1113.	33.01	374.9	40.21	2.372	28.57	.4937

#1	.0007	.0272	<.0000	.0039	.0138	<.0000	5.780
#2	<.0000	.0112	<.0000	.0023	.0132	<.0000	5.825
#3	.0003	.0212	.0283	.0060	.0138	<.0000	5.849
#4	.0003	.0202	.0210	.0033	.0138	<.0000	5.824

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0018	<.0000	.0015	.0131	.0243	<.0000	1.225
SDev	.0009	.0010	.0009	.0009	.0013	.3806	.008
%RSD	50.43	5128.	58.96	6.972	5.517	127.6	.6680

#1	.0009	.0013	.0022	.0140	.0254	<.0000	1.215
#2	.0014	.0001	.0010	.0118	.0240	<.0000	1.230
#3	.0030	<.0000	.0022	.0133	.0226	<.0000	1.221
#4	.0019	<.0000	.0005	.0133	.0254	<.0000	1.233

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0198	.0023	7.037	.0086	.0208	<.0000	<.0000
SDev	.0004	.0032	.035	.0021	.0149	.0072	.0762
%RSD	1.903	138.5	.4929	24.73	71.93	19.81	220.1

#1	.0195	.0040	6.992	.0093	.0415	<.0000	<.0000
#2	.0201	<.0000	7.029	.0093	.0178	<.0000	<.0000
#3	.0201	.0040	7.072	.0056	.0059	<.0000	.0786
#4	.0195	.0040	7.054	.0105	.0178	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9166	.0846	.0012	.0018
SDev	.0259	.0674	.0011	.0007
%RSD	2.830	79.76	91.09	38.21

#1	.9326	.1119	.0027	.0014
#2	.8778	.0207	.0009	.0028
#3	.9280	.1667	.0009	.0014
#4	.9280	.0389	.0002	.0014

Analysis Report

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page 1

Method: IECW Sample Name: 28759

Run Time: 12/19/01 15:08:24

Operator: it

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0207	<.0000	.0048	.0133	<.0000	5.726
SDev	.0007	.0067	.0244	.0009	.0003	.0000	.037
%RSD	88.51	32.54	321.0	18.77	2.414	28.57	.6402

#1	.0003	.0192	<.0000	.0039	.0132	<.0000	5.680
#2	<.0000	.0232	.0025	.0060	.0138	<.0000	5.738
#3	<.0000	.0282	<.0000	.0044	.0132	<.0000	5.767
#4	<.0000	.0122	.0211	.0049	.0132	<.0000	5.717

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0017	.0001	<.0000	.0008	.0240	<.0000	1.237
SDev	.0010	.0015	.0009	.0004	.0023	.1953	.021
%RSD	61.02	2683.	412.4	47.24	9.546	35.10	1.681

#1	.0009	.0022	<.0000	.0002	.0268	<.0000	1.227
#2	.0030	<.0000	.0009	.0009	.0240	<.0000	1.268
#3	.0009	<.0000	<.0000	.0009	.0212	<.0000	1.227
#4	.0019	.0001	<.0000	.0009	.0240	<.0000	1.227

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0234	.0007	7.282	.0111	.0049	<.0000	<.0000
SDev	.0005	.0059	.051	.0061	.0153	.0300	.0413
%RSD	2.278	826.5	.7006	54.85	309.6	117.7	72.17

#1	.0227	.0072	7.223	.0191	.0138	.0106	<.0000
#2	.0234	.0040	7.280	.0043	<.0000	<.0000	<.0000
#3	.0240	<.0000	7.348	.0105	.0138	<.0000	<.0000
#4	.0234	<.0000	7.277	.0105	.0099	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9587	<.0000	.0009	<.0000
SDev	.0282	.0230	.0009	.0004
%RSD	2.941	1089.	100.9	151.6

#1	.9189	.0207	.0009	.0001
#2	.9598	.0024	.0015	<.0000
#3	.9827	.0025	.0015	.0001
#4	.9736	<.0000	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 28760

Operator: it

Run Time: 12/19/01 15:12:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0122	.0081	.0027	.0132	<.0000	5.744
SDev	.0014	.0050	.0803	.0018	.0000	.0000	.020
%RSD	328.5	40.52	985.8	67.63	.0125	.0000	.3412
#1	<.0000	.0112	<.0000	.0033	.0132	<.0000	5.771
#2	.0012	.0132	<.0000	.0012	.0132	<.0000	5.727
#3	.0003	.0182	.1167	.0012	.0132	<.0000	5.743
#4	<.0000	.0062	.0211	.0049	.0132	<.0000	5.733
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	<.0000	<.0000	.0004	.0394	<.0000	1.234
SDev	.0017	.0016	.0009	.0016	.0016	.3604	.020
%RSD	193.4	2627.	89.49	399.1	4.100	50.80	1.591
#1	<.0000	<.0000	<.0000	.0009	.0408	<.0000	1.221
#2	<.0000	.0008	<.0000	.0009	.0408	<.0000	1.257
#3	.0030	.0013	<.0000	.0017	.0380	<.0000	1.245
#4	.0014	<.0000	<.0000	<.0000	.0380	<.0000	1.215
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0224	.0040	6.961	.0142	.0138	<.0000	<.0000
SDev	.0006	.0053	.027	.0065	.0117	.0379	.0924
%RSD	2.915	133.6	.3840	45.50	84.16	508.7	266.9
#1	.0227	.0040	6.983	.0191	.0020	<.0000	.1012
#2	.0227	.0040	6.974	.0055	.0297	.0250	<.0000
#3	.0214	.0104	6.922	.0130	.0099	.0105	<.0000
#4	.0227	<.0000	6.963	.0191	.0138	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.9439	.0298	.0007	<.0000			
SDev	.0239	.0106	.0006	.0004			
%RSD	2.538	35.44	83.49	150.8			
#1	.9325	.0390	.0015	<.0000			
#2	.9781	.0207	.0009	.0001			
#3	.9416	.0207	.0002	.0001			
#4	.9234	.0390	.0002	<.0000			

Analysis Report

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page 1

Method: IECW Sample Name: 28688

Operator: it

Run Time: 12/19/01 15:14:26

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0007	.0969	.0153	.0275	<.0000	23.48
SDev	.0016	.0122	.0493	.0010	.0005	.0000	.09
%RSD	66.65	1676.	50.87	6.653	1.903	22.22	.3934

#1	<.0000	.0157	.1528	.0155	.0268	<.0000	23.45
#2	<.0000	<.0000	.1236	.0145	.0281	<.0000	23.58
#3	<.0000	<.0000	.0574	.0145	.0275	<.0000	23.52
#4	<.0000	.0057	.0536	.0166	.0275	<.0000	23.37

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0025	<.0000	.0729	.3144	7.851
SDev	.0022	.0024	.0024	.0015	.0018	.2280	.049
%RSD	850.3	331.7	95.58	250.0	2.456	72.52	.6213

#1	.0011	.0010	.0059	.0012	.0708	.6046	7.846
#2	.0016	<.0000	.0008	<.0000	.0750	.1854	7.909
#3	<.0000	<.0000	.0008	<.0000	.0736	.0887	7.858
#4	<.0000	.0009	.0026	<.0000	.0723	.3789	7.790

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0627	.0052	26.46	.0141	.0059	<.0000	<.0000
SDev	.0000	.0032	.19	.0047	.0294	.0186	.0623
%RSD	.0053	62.73	.7095	33.09	496.6	154.2	659.7

#1	.0627	.0100	26.32	.0138	.0336	.0095	.0528
#2	.0627	.0035	26.67	.0175	.0020	<.0000	<.0000
#3	.0627	.0035	26.56	.0076	<.0000	<.0000	.0302
#4	.0627	.0035	26.28	.0175	.0218	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.425	.1287	<.0000	<.0000
SDev	.025	.0350	.0013	.0008
%RSD	1.756	27.20	2122.	316.5

#1	1.449	.1196	.0018	<.0000
#2	1.445	.0830	<.0000	.0004
#3	1.404	.1560	<.0000	.0004
#4	1.404	.1561	<.0000	<.0000

Analysis Report

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page 1

Method: IECW Sample Name: 28689
 Run Time: 12/19/01 15:16:25
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0132	<.0000	.0028	.0129	<.0000	5.615
SDev	.0012	.0083	.0217	.0018	.0004	.0000	.024
%RSD	67.70	62.41	752.4	63.11	2.885	.0000	.4233

#1	<.0000	.0232	.0136	.0049	.0125	<.0000	5.597
#2	<.0000	.0092	.0100	.0007	.0132	<.0000	5.628
#3	<.0000	.0162	<.0000	.0033	.0132	<.0000	5.642
#4	<.0000	.0043	<.0000	.0023	.0125	<.0000	5.593

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	.0007	<.0000	.0004	.0268	<.0000	1.216
SDev	.0019	.0008	.0021	.0012	.0020	.2129	.012
%RSD	928.5	112.1	516.8	304.8	7.375	28.70	1.005

#1	<.0000	.0001	.0010	.0017	.0282	<.0000	1.212
#2	<.0000	.0010	<.0000	.0002	.0282	<.0000	1.224
#3	<.0000	.0001	.0014	.0010	.0268	<.0000	1.227
#4	.0030	.0016	<.0000	<.0000	.0240	<.0000	1.200

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0240	<.0000	3.950	.0086	.0069	<.0000	<.0000
SDev	.0005	.0049	.020	.0046	.0075	.0246	.0857
%RSD	2.213	5454.	.5128	52.78	108.3	10350.	186.6

#1	.0240	.0040	3.956	.0043	.0020	.0250	<.0000
#2	.0247	<.0000	3.974	.0056	.0178	.0106	<.0000
#3	.0240	.0040	3.944	.0142	.0059	<.0000	.0786
#4	.0234	<.0000	3.926	.0105	.0020	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6738	.0527	<.0000	.0006
SDev	.0259	.0603	.0006	.0006
%RSD	3.840	114.5	112.8	109.7

#1	.6772	.0937	.0002	.0008
#2	.6909	.1120	<.0000	.0014
#3	.6909	<.0000	<.0000	.0001
#4	.6362	.0208	<.0000	.0001

Analysis Report

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page 1

Method: IECW Sample Name: ipc

Operator: it

Run Time: 12/19/01 15:21:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4880	1.024	.0148	.9689	.9762	.9593	.9552
SDev	.0014	.003	.0227	.0041	.0044	.0050	.0068
%RSD	.2977	.3083	153.7	.4276	.4558	.5265	.7143

#1	.4887	1.023	.0148	.9661	.9794	.9632	.9590
#2	.4882	1.020	<.0000	.9724	.9768	.9605	.9601
#3	.4892	1.026	.0184	.9724	.9788	.9615	.9564
#4	.4859	1.027	.0405	.9645	.9697	.9519	.9452

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9651	.9575	.9427	.9484	.9840	<.0000	.9428
SDev	.0062	.0087	.0017	.0041	.0081	.0926	.0085
%RSD	.6406	.9069	.1825	.4348	.8239	27.35	.9050

#1	.9603	.9682	.9425	.9515	.9843	<.0000	.9539
#2	.9699	.9532	.9438	.9479	.9927	<.0000	.9420
#3	.9710	.9604	.9442	.9515	.9857	<.0000	.9420
#4	.9592	.9483	.9404	.9428	.9731	<.0000	.9331

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9593	.9496	.9837	.9957	.9434	.9659	.0005
SDev	.0033	.0049	.0273	.0042	.0180	.0343	.0725
%RSD	.3447	.5123	2.776	.4174	1.907	3.553	14300.

#1	.9609	.9472	1.003	.9932	.9672	.9299	<.0000
#2	.9602	.9440	1.005	1.002	.9276	1.002	.0514
#3	.9616	.9537	.9815	.9933	.9474	.9875	.0741
#4	.9544	.9537	.9459	.9945	.9316	.9443	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.072	1.018	.9590	.9561
SDev	.026	.050	.0036	.0066
%RSD	2.442	4.936	.3728	.6938

#1	1.102	1.077	.9600	.9622
#2	1.074	.9675	.9582	.9575
#3	1.074	1.041	.9631	.9582
#4	1.038	.9858	.9545	.9467

Analysis Report

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page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 12/19/01 15:26:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0049	.0369	<.0000	.0005	.0003	<.0000	<.0000
SDev	.0008	.0047	.0156	.0010	.0003	.0001	.0009
%RSD	16.26	12.68	59.55	201.6	100.5	115.5	25.69

#1	.0046	.0399	<.0000	.0021	.0002	<.0000	<.0000
#2	.0041	.0329	<.0000	<.0000	.0002	<.0000	<.0000
#3	.0050	.0329	<.0000	<.0000	.0002	<.0000	<.0000
#4	.0060	.0418	<.0000	<.0000	.0008	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0017	.0036	.0034	.0045	<.0000	.4192	.0252
SDev	.0011	.0012	.0000	.0011	.0018	.0848	.0051
%RSD	64.10	33.76	.0638	24.00	170.7	20.23	20.10

#1	.0015	.0039	.0034	.0033	.0010	.3789	.0275
#2	.0004	.0048	.0034	.0040	<.0000	.4111	.0245
#3	.0020	.0039	.0034	.0054	<.0000	.3466	.0304
#4	.0031	.0019	.0034	.0054	<.0000	.5401	.0186

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0130	.0360	.0126	.0326	.0035	.0338
SDev	.0005	.0077	.0124	.0021	.0131	.0144	.0320
%RSD	31250.	59.18	34.31	16.90	40.07	412.2	94.66

#1	<.0000	.0138	.0231	.0108	.0178	.0107	.0112
#2	<.0000	.0073	.0498	.0145	.0297	.0107	.0112
#3	.0007	.0235	.0427	.0145	.0495	<.0000	.0791
#4	<.0000	.0073	.0285	.0108	.0336	.0107	.0338

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.1356	.0547	.0044	.0022
SDev	.0164	.0639	.0006	.0006
%RSD	12.09	116.8	13.21	25.16

#1	.1459	.1322	.0046	.0022
#2	.1140	.0775	.0040	.0015
#3	.1322	.0227	.0040	.0029
#4	.1504	<.0000	.0052	.0022

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Method: IECW Sample Name: 28690
 Run Time: 12/19/01 15:28:59
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0182	.0063	.0053	.0127	<.0000	5.672
SDev	.0008	.0075	.0374	.0014	.0003	.0000	.021
%RSD	367.6	41.20	596.6	26.06	2.548	.0000	.3735
#1	<.0000	.0102	<.0000	.0060	.0125	<.0000	5.657
#2	.0007	.0272	.0540	.0033	.0132	<.0000	5.667
#3	<.0000	.0212	<.0000	.0065	.0125	<.0000	5.703
#4	<.0000	.0142	.0137	.0054	.0125	<.0000	5.660
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0013	.0012	.0003	.0026	.0247	<.0000	1.205
SDev	.0003	.0006	.0013	.0004	.0018	.2539	.007
%RSD	20.96	47.55	392.2	14.05	7.330	43.14	.5465
#1	.0014	.0016	.0018	.0024	.0268	<.0000	1.200
#2	.0009	.0016	.0010	.0031	.0226	<.0000	1.215
#3	.0014	.0014	<.0000	.0024	.0240	<.0000	1.203
#4	.0014	.0004	<.0000	.0024	.0254	<.0000	1.203
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0240	.0040	3.933	.0133	<.0000	.0178	<.0000
SDev	.0000	.0000	.042	.0056	.0227	.0083	.0784
%RSD	.0013	.1122	1.078	41.84	254900.	46.79	226.6
#1	.0240	.0040	3.930	.0068	.0059	.0106	.0333
#2	.0240	.0040	3.885	.0130	<.0000	.0250	<.0000
#3	.0240	.0040	3.928	.0204	.0138	.0106	<.0000
#4	.0240	.0040	3.988	.0130	.0138	.0250	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.7114	.0390	.0002	.0021			
SDev	.0184	.0447	.0010	.0015			
%RSD	2.591	114.6	405.0	69.20			
#1	.7000	.0390	<.0000	.0001			
#2	.6954	<.0000	.0002	.0021			
#3	.7365	.0937	.0015	.0028			
#4	.7137	.0390	.0002	.0035			

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Method: IECW Sample Name: 28690lab dup

Operator: it

Run Time: 12/19/01 15:31:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0115	.0156	.0048	.0125	<.0000	5.665
SDev	.0008	.0065	.0490	.0012	.0005	.0000	.018
%RSD	246.1	56.86	314.8	24.37	4.202	28.57	.3179

#1	.0007	.0172	<.0000	.0044	.0132	<.0000	5.676
#2	<.0000	.0092	.0727	.0039	.0125	<.0000	5.675
#3	<.0000	.0162	<.0000	.0065	.0119	<.0000	5.638
#4	<.0000	.0033	.0396	.0044	.0125	<.0000	5.672

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0021	.0001	<.0000	.0020	.0247	<.0000	1.211
SDev	.0011	.0024	.0013	.0009	.0024	.1475	.009
%RSD	53.02	2467.	413.0	45.95	9.831	16.94	.7362

#1	.0009	.0031	.0010	.0031	.0226	<.0000	1.215
#2	.0035	<.0000	<.0000	.0024	.0240	<.0000	1.221
#3	.0019	.0004	.0001	.0010	.0282	<.0000	1.203
#4	.0019	<.0000	<.0000	.0017	.0240	<.0000	1.203

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0245	.0048	3.936	.0105	.0089	<.0000	<.0000
SDev	.0003	.0055	.038	.0036	.0142	.0273	.0566
%RSD	1.329	115.9	.9598	34.60	159.9	186.4	321.3

#1	.0247	.0040	3.944	.0105	<.0000	<.0000	<.0000
#2	.0247	.0105	3.926	.0154	.0020	<.0000	<.0000
#3	.0247	.0072	3.892	.0068	.0059	<.0000	<.0000
#4	.0240	<.0000	3.983	.0093	.0297	.0250	.0560

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6852	.0162	<.0000	.0013
SDev	.0126	.0751	.0011	.0010
%RSD	1.831	463.6	1783.	80.10

#1	.6772	<.0000	.0002	.0021
#2	.7000	<.0000	.0002	.0008
#3	.6727	.0390	.0009	.0021
#4	.6909	.1120	<.0000	.0001

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Method: IECW Sample Name: 28690spk

Operator: it

Run Time: 12/19/01 15:38:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0199	.2520	.2350	.2518	.2572	.0472	5.579
SDev	.0013	.0086	.0440	.0025	.0022	.0003	.024
%RSD	6.364	3.423	18.70	.9995	.8553	.7512	.4326

#1	.0204	.2542	.2387	.2482	.2551	.0469	5.545
#2	.0204	.2582	.1724	.2529	.2571	.0473	5.595
#3	.0208	.2562	.2571	.2519	.2564	.0471	5.578
#4	.0180	.2393	.2720	.2540	.2603	.0477	5.597

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0982	.0966	.2390	.2397	.2696	<.0000	1.177
SDev	.0021	.0026	.0024	.0021	.0024	.3121	.010
%RSD	2.141	2.728	.9821	.8700	.8980	27.85	.8589

#1	.0952	.0939	.2384	.2369	.2675	<.0000	1.167
#2	.1000	.0988	.2423	.2398	.2675	<.0000	1.173
#3	.0989	.0990	.2367	.2398	.2717	<.0000	1.191
#4	.0989	.0948	.2384	.2420	.2717	<.0000	1.176

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2677	.0954	3.994	.2617	.2225	.1936	.2359
SDev	.0016	.0055	.036	.0048	.0178	.0360	.0452
%RSD	.6096	5.807	.9063	1.826	8.004	18.61	19.18

#1	.2656	.0881	3.940	.2549	.1997	.1972	.2586
#2	.2695	.0946	4.003	.2636	.2433	.1539	.2586
#3	.2676	.0979	4.013	.2623	.2235	.2404	.2586
#4	.2682	.1011	4.019	.2661	.2235	.1828	.1681

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7673	.2574	.0949	.2455
SDev	.0160	.1333	.0009	.0006
%RSD	2.079	51.77	.9110	.2632

#1	.7594	.3304	.0955	.2450
#2	.7867	.4033	.0955	.2450
#3	.7730	.1844	.0949	.2457
#4	.7502	.1114	.0937	.2463

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Method: IECW Sample Name: 28692

Operator: it

Run Time: 12/19/01 15:40:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0040	.0130	<.0000	5.609
SDev	.0008	.0135	.0407	.0007	.0003	.0000	.017
%RSD	30.00	390.4	372.4	16.64	2.470	.0000	.3034

#1	<.0000	<.0000	.0397	.0039	.0132	<.0000	5.598
#2	<.0000	<.0000	<.0000	.0033	.0132	<.0000	5.625
#3	<.0000	<.0000	<.0000	.0049	.0125	<.0000	5.591
#4	<.0000	.0142	.0026	.0039	.0132	<.0000	5.623

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0007	.0000	<.0000	.0004	.0233	<.0000	1.193
SDev	.0021	.0008	.0015	.0007	.0008	.3837	.023
%RSD	277.8	4096.	91.08	170.6	3.432	29.38	1.891

#1	<.0000	<.0000	<.0000	.0010	.0226	<.0000	1.170
#2	.0019	.0004	<.0000	.0002	.0240	<.0000	1.215
#3	<.0000	.0010	<.0000	<.0000	.0226	<.0000	1.176
#4	.0030	<.0000	<.0000	.0010	.0240	<.0000	1.209

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0242	.0048	3.968	.0151	<.0000	<.0000	<.0000
SDev	.0006	.0016	.017	.0041	.0245	.0343	.0650
%RSD	2.587	33.72	.4214	26.92	2470.	312.4	370.5

#1	.0247	.0040	3.947	.0142	.0336	<.0000	.0560
#2	.0234	.0040	3.962	.0204	<.0000	.0106	<.0000
#3	.0247	.0040	3.978	.0105	<.0000	.0251	<.0000
#4	.0240	.0072	3.985	.0154	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6031	.0801	<.0000	.0011
SDev	.0168	.0404	.0010	.0009
%RSD	2.782	50.47	102.3	79.39

#1	.6043	.0938	<.0000	.0021
#2	.6225	.0937	<.0000	.0008
#3	.5815	.0208	<.0000	.0001
#4	.6042	.1120	.0002	.0014

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Method: IECW Sample Name: 28693

Operator: it

Run Time: 12/19/01 15:44:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0025	.1015	.0135	.0273	<.0000	23.30
SDev	.0018	.0079	.0172	.0010	.0003	.0000	.05
%RSD	57.83	316.5	16.97	7.147	1.190	22.22	.2211
#1	<.0000	<.0000	.0832	.0124	.0268	<.0000	23.32
#2	<.0000	.0027	.1236	.0145	.0275	<.0000	23.35
#3	<.0000	.0047	.0941	.0129	.0275	<.0000	23.23
#4	<.0000	.0107	.1050	.0140	.0275	<.0000	23.29
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0015	<.0000	.0688	.1209	7.808
SDev	.0015	.0010	.0013	.0016	.0027	.2672	.013
%RSD	235.3	70.51	85.40	205.9	3.893	221.0	.1614
#1	<.0000	<.0000	.0008	<.0000	.0709	<.0000	7.814
#2	.0005	<.0000	.0009	<.0000	.0653	.1854	7.796
#3	<.0000	<.0000	.0009	<.0000	.0681	.3466	7.799
#4	.0005	<.0000	.0034	.0005	.0709	.2176	7.822
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0613	.0019	26.20	.0144	<.0000	<.0000	.0358
SDev	.0003	.0056	.20	.0059	.0265	.0276	.0467
%RSD	.5340	292.5	.7660	41.11	535.2	228.9	130.3
#1	.0614	.0035	26.46	.0150	<.0000	.0096	.0755
#2	.0614	.0035	26.25	.0113	<.0000	<.0000	.0755
#3	.0614	<.0000	26.03	.0224	<.0000	<.0000	.0075
#4	.0608	.0068	26.06	.0088	.0297	.0095	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	1.348	.0284	<.0000	.0008			
SDev	.031	.0537	.0012	.0016			
%RSD	2.266	189.0	80.69	208.7			
#1	1.317	.0831	<.0000	<.0000			
#2	1.345	<.0000	<.0000	.0025			
#3	1.340	.0467	<.0000	<.0000			
#4	1.390	.0284	<.0000	.0018			

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Method: IECW Sample Name: 28694

Operator: it

Run Time: 12/19/01 15:46:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0047	.0028	.0127	<.0000	5.644
SDev	.0004	.0048	.0097	.0011	.0003	.0001	.034
%RSD	12.68	66.33	204.9	40.34	2.560	23.09	.6036

#1	<.0000	<.0000	.0103	.0033	.0125	<.0000	5.610
#2	<.0000	<.0000	.0139	.0012	.0132	<.0000	5.627
#3	<.0000	<.0000	<.0000	.0028	.0125	<.0000	5.651
#4	<.0000	<.0000	.0028	.0039	.0125	<.0000	5.689

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0264	<.0000	1.205
SDev	.0019	.0008	.0009	.0004	.0033	.3108	.017
%RSD	984.0	58.44	56.39	53.09	12.49	22.95	1.442

#1	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	1.200
#2	.0025	<.0000	<.0000	<.0000	.0240	<.0000	1.185
#3	<.0000	<.0000	<.0000	<.0000	.0310	<.0000	1.209
#4	<.0000	<.0000	<.0000	<.0000	.0268	<.0000	1.227

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0247	<.0000	3.955	.0093	<.0000	<.0000	<.0000
SDev	.0005	.0056	.027	.0071	.0051	.0343	.0555
%RSD	2.153	633.1	.6795	76.15	129.1	312.4	160.6

#1	.0247	.0040	3.965	<.0000	.0020	.0106	.0108
#2	.0241	.0040	3.928	.0154	<.0000	<.0000	<.0000
#3	.0247	<.0000	3.940	.0093	<.0000	.0251	.0107
#4	.0254	<.0000	3.988	.0130	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5849	.0390	<.0000	.0008
SDev	.0194	.0365	.0008	.0012
%RSD	3.326	93.54	53.65	162.4

#1	.5723	.0938	<.0000	<.0000
#2	.5724	.0208	<.0000	.0021
#3	.5814	.0208	<.0000	.0014
#4	.6133	.0207	<.0000	.0001

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Method: IECW Sample Name: 28801

Operator: it

Run Time: 12/19/01 15:49:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0057	<.0000	.0016	.0129	<.0000	5.693
SDev	.0012	.0147	.0110	.0015	.0004	.0000	.028
%RSD	82.31	255.8	56.65	93.18	2.894	.0000	.4963

#1	<.0000	.0042	<.0000	.0017	.0132	<.0000	5.693
#2	<.0000	.0013	<.0000	.0018	.0125	<.0000	5.715
#3	.0003	.0262	<.0000	<.0000	.0132	<.0000	5.709
#4	<.0000	<.0000	<.0000	.0033	.0125	<.0000	5.653

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0015	<.0000	<.0000	<.0000	.0254	<.0000	1.221
SDev	.0007	.0011	.0010	.0007	.0020	.1451	.015
%RSD	43.63	214.0	194.2	520.2	7.803	14.52	1.209

#1	.0009	<.0000	<.0000	<.0000	.0268	<.0000	1.239
#2	.0025	.0005	<.0000	<.0000	.0254	<.0000	1.203
#3	.0014	<.0000	.0010	.0009	.0226	<.0000	1.224
#4	.0014	<.0000	<.0000	<.0000	.0268	<.0000	1.218

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0232	<.0000	7.301	.0117	.0020	<.0000	<.0000
SDev	.0008	.0056	.017	.0027	.0137	.0249	.0284
%RSD	3.535	626.9	.2324	22.71	694.4	97.97	38.33

#1	.0234	<.0000	7.317	.0154	<.0000	<.0000	<.0000
#2	.0234	<.0000	7.312	.0105	.0138	<.0000	<.0000
#3	.0240	.0040	7.291	.0093	.0138	.0105	<.0000
#4	.0221	.0040	7.282	.0117	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8299	.0344	<.0000	<.0000
SDev	.0199	.1003	.0009	.0003
%RSD	2.395	291.5	431.2	79.35

#1	.8185	.0572	<.0000	<.0000
#2	.8186	<.0000	.0002	<.0000
#3	.8596	<.0000	.0009	.0001
#4	.8231	.1667	<.0000	<.0000

Analysis Report

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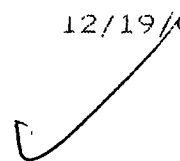
Method: IECW Sample Name: 28802

Operator: it

Run Time: 12/19/01 15:51:34

Comment: .

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0075	<.0000	.0016	.0129	<.0000	5.660
SDev	.0028	.0185	.0467	.0003	.0004	.0001	.035
%RSD	140.9	247.3	110.1	15.94	2.873	42.55	.6184

#1	<.0000	<.0000	<.0000	.0012	.0125	<.0000	5.640
#2	<.0000	.0142	<.0000	.0018	.0132	<.0000	5.674
#3	<.0000	<.0000	<.0000	.0018	.0125	<.0000	5.624
#4	.0017	.0302	<.0000	.0018	.0132	<.0000	5.702

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	<.0000	<.0000	<.0000	.0240	<.0000	1.206
SDev	.0015	.0026	.0009	.0017	.0011	.5722	.028
%RSD	172.8	296.0	151.8	251.0	4.790	54.60	2.293

#1	.0030	<.0000	<.0000	<.0000	.0240	<.0000	1.179
#2	.0009	<.0000	.0001	<.0000	.0254	<.0000	1.203
#3	<.0000	<.0000	<.0000	<.0000	.0240	<.0000	1.197
#4	<.0000	.0022	<.0000	.0017	.0226	<.0000	1.245

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0229	.0048	6.916	.0133	<.0000	<.0000	<.0000
SDev	.0006	.0016	.023	.0056	.0198	.0263	.0876
%RSD	2.727	33.71	.3268	42.48	664.2	687.9	127.9

#1	.0234	.0040	6.898	.0068	<.0000	<.0000	<.0000
#2	.0227	.0040	6.922	.0105	.0020	<.0000	<.0000
#3	.0221	.0040	6.899	.0167	<.0000	.0106	<.0000
#4	.0234	.0072	6.946	.0191	.0178	.0249	.0106

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8186	.0709	<.0000	.0004
SDev	.0439	.0750	.0016	.0007
%RSD	5.358	105.8	161.6	161.0

#1	.8277	<.0000	<.0000	.0014
#2	.8049	.0755	<.0000	.0001
#3	.7684	.1667	<.0000	.0001
#4	.8732	.0572	.0009	.0001

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Method: IECW Sample Name: 28898

Operator: it

Run Time: 12/19/01 15:53:38

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0007	.0232	.0182	.0007	.0132	<.0000	5.660
SDev	.0014	.0069	.0394	.0007	.0000	.0001	.029
%RSD	189.2	29.96	217.2	105.5	.0258	38.49	.5086

#1	.0021	.0232	.0209	.0002	.0132	<.0000	5.654
#2	<.0000	.0152	<.0000	.0007	.0132	<.0000	5.628
#3	.0017	.0321	.0097	.0017	.0132	<.0000	5.662
#4	<.0000	.0222	.0688	.0002	.0132	<.0000	5.697

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0015	.0019	.0011	.0019	.0247	<.0000	1.220
SDev	.0020	.0019	.0016	.0009	.0037	.2896	.022
%RSD	130.7	100.7	152.1	49.15	14.98	49.21	1.771

#1	.0019	.0028	.0001	.0017	.0198	<.0000	1.218
#2	<.0000	<.0000	.0001	.0010	.0240	<.0000	1.191
#3	.0041	.0036	.0035	.0031	.0282	<.0000	1.242
#4	.0009	.0017	.0005	.0017	.0268	<.0000	1.230

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0236	.0040	7.220	.0139	.0089	<.0000	<.0000
SDev	.0006	.0046	.045	.0041	.0192	.0276	.0595
%RSD	2.649	115.8	.6291	29.37	216.1	108.2	147.7

#1	.0240	.0072	7.172	.0191	<.0000	<.0000	.0106
#2	.0227	<.0000	7.261	.0130	<.0000	<.0000	<.0000
#3	.0240	.0040	7.191	.0093	.0336	.0105	<.0000
#4	.0234	.0072	7.257	.0142	.0138	<.0000	.0106

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9234	.0435	.0009	.0004
SDev	.0322	.0480	.0010	.0012
%RSD	3.488	110.3	116.3	279.4

#1	.9052	.1120	.0009	.0001
#2	.8916	.0208	<.0000	.0021
#3	.9644	.0024	.0021	.0001
#4	.9325	.0390	.0009	<.0000

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Method: IECW Sample Name: 28899

Operator: it

Run Time: 12/19/01 15:56:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0004	.0179	.0017	.0039	.0133	<.0000	5.980
SDev	.0018	.0026	.0292	.0004	.0003	.0001	.026
%RSD	474.6	14.62	1752.	11.18	2.415	38.49	.4328

#1	.0017	.0182	.0320	.0033	.0138	<.0000	6.012
#2	<.0000	.0192	.0210	.0039	.0132	<.0000	5.949
#3	.0021	.0142	<.0000	.0039	.0132	<.0000	5.981
#4	<.0000	.0202	<.0000	.0044	.0132	<.0000	5.978

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0010	.0013	.0015	.0126	.0222	<.0000	1.202
SDev	.0003	.0015	.0008	.0006	.0024	.3745	.006
%RSD	26.47	114.9	53.62	4.717	10.76	77.44	.5148

#1	.0014	.0014	.0027	.0133	.0226	<.0000	1.203
#2	.0009	.0024	.0014	.0126	.0254	<.0000	1.209
#3	.0009	.0024	.0010	.0126	.0198	<.0000	1.200
#4	.0009	<.0000	.0010	.0118	.0212	<.0000	1.194

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0185	.0056	6.982	.0157	<.0000	.0070	<.0000
SDev	.0004	.0019	.043	.0055	.0163	.0379	.0340
%RSD	2.038	33.54	.6109	34.70	1631.	544.6	192.5

#1	.0188	.0040	7.034	.0105	<.0000	.0394	.0107
#2	.0182	.0040	6.937	.0117	<.0000	.0394	.0107
#3	.0188	.0072	6.961	.0191	.0099	<.0000	<.0000
#4	.0182	.0072	6.997	.0216	.0138	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9086	.0390	.0004	.0040
SDev	.0172	.0774	.0009	.0019
%RSD	1.894	198.5	229.3	46.93

#1	.9326	.1120	.0015	.0062
#2	.8961	<.0000	<.0000	.0028
#3	.9098	.0937	<.0000	.0048
#4	.8961	.0025	.0009	.0021

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Method: IECW Sample Name: 28900

Operator: it

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Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0013	.0199	.0081	.0042	.0133	<.0000	5.699
SDev	.0013	.0108	.0355	.0011	.0003	.0000	.033
%RSD	102.4	54.00	440.2	25.44	2.405	28.57	.5704

#1	.0031	.0331	.0576	.0049	.0138	<.0000	5.731
#2	.0012	.0222	<.0000	.0054	.0132	<.0000	5.718
#3	.0012	.0172	.0099	.0033	.0132	<.0000	5.690
#4	<.0000	.0072	<.0000	.0033	.0132	<.0000	5.658

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0011	.0020	.0010	.0084	.0268	<.0000	1.228
SDev	.0029	.0016	.0017	.0009	.0000	.2889	.021
%RSD	254.9	79.62	179.3	10.88	.0351	81.44	1.693

#1	.0051	.0034	.0035	.0097	.0268	<.0000	1.251
#2	.0014	.0022	.0001	.0082	.0268	<.0000	1.239
#3	<.0000	<.0000	.0005	.0075	.0268	<.0000	1.221
#4	<.0000	.0025	<.0000	.0082	.0268	<.0000	1.203

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0245	.0040	6.586	.0142	.0178	<.0000	<.0000
SDev	.0003	.0027	.029	.0052	.0097	.0144	.0293
%RSD	1.325	67.05	.4379	36.92	54.46	130.0	63.64

#1	.0247	.0007	6.609	.0105	.0099	.0105	<.0000
#2	.0247	.0040	6.611	.0093	.0218	<.0000	<.0000
#3	.0247	.0040	6.554	.0204	.0297	<.0000	<.0000
#4	.0240	.0072	6.568	.0167	.0099	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9052	.0891	.0018	.0016
SDev	.0207	.0835	.0011	.0003
%RSD	2.286	93.64	59.66	21.08

#1	.9279	.0024	.0027	.0014
#2	.9051	.1849	.0021	.0021
#3	.9097	.0390	.0021	.0014
#4	.8779	.1302	.0002	.0014

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Method: IECW Sample Name: 28901

Operator: it

Run Time: 12/19/01 16:04:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0125	<.0000	.0021	.0132	<.0000	5.858
SDev	.0010	.0079	.0427	.0009	.0000	.0000	.033
%RSD	184.7	63.47	230.1	41.93	.0269	28.57	.5650

#1	<.0000	.0042	<.0000	.0012	.0132	<.0000	5.843
#2	<.0000	.0152	.0284	.0023	.0132	<.0000	5.823
#3	.0007	.0222	<.0000	.0033	.0132	<.0000	5.865
#4	<.0000	.0082	<.0000	.0017	.0132	<.0000	5.900

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0022	.0002	.0003	.0053	.0282	<.0000	1.220
SDev	.0009	.0015	.0010	.0012	.0011	.2984	.014
%RSD	41.84	737.2	311.3	22.37	4.079	30.10	1.165

#1	.0014	<.0000	.0010	.0053	.0282	<.0000	1.209
#2	.0014	<.0000	<.0000	.0053	.0296	<.0000	1.209
#3	.0030	.0019	<.0000	.0068	.0282	<.0000	1.224
#4	.0030	.0011	.0014	.0038	.0268	<.0000	1.239

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0255	.0048	7.831	.0148	<.0000	<.0000	<.0000
SDev	.0003	.0016	.086	.0067	.0118	.0448	.0676
%RSD	1.278	34.03	1.102	45.38	238.5	405.6	383.3

#1	.0254	.0072	7.830	.0154	<.0000	<.0000	<.0000
#2	.0254	.0040	7.915	.0105	<.0000	.0106	.0559
#3	.0260	.0040	7.712	.0241	.0059	.0250	.0106
#4	.0254	.0040	7.865	.0093	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8949	.0755	<.0000	.0013
SDev	.0239	.0494	.0013	.0010
%RSD	2.676	65.46	590.8	80.26

#1	.8961	.0937	<.0000	.0001
#2	.8733	.0025	<.0000	.0021
#3	.9280	.0937	.0015	.0021
#4	.8823	.1119	<.0000	.0008

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Method: IECW Sample Name: ipc
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 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4858	1.023	<.0000	.9643	.9736	.9569	.9535
SDev	.0046	.011	.0612	.0098	.0076	.0088	.0089
%RSD	.9405	1.094	333.2	1.015	.7804	.9215	.9363

#1	.4831	1.017	<.0000	.9619	.9697	.9514	.9487
#2	.4817	1.011	<.0000	.9535	.9665	.9490	.9435
#3	.4864	1.033	<.0000	.9645	.9742	.9588	.9590
#4	.4920	1.033	.0551	.9772	.9839	.9686	.9627

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9570	.9549	.9434	.9463	.9812	<.0000	.9353
SDev	.0072	.0066	.0058	.0086	.0077	.2360	.0136
%RSD	.7487	.6882	.6161	.9066	.7840	45.75	1.452

#1	.9566	.9537	.9382	.9399	.9745	<.0000	.9331
#2	.9470	.9466	.9395	.9399	.9745	<.0000	.9212
#3	.9624	.9567	.9446	.9472	.9871	<.0000	.9539
#4	.9619	.9624	.9510	.9581	.9885	<.0000	.9331

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9570	.9521	.9904	.9997	.9454	.9371	.0175
SDev	.0070	.0120	.0121	.0098	.0094	.0276	.0569
%RSD	.7304	1.259	1.227	.9847	.9966	2.942	325.4

#1	.9518	.9407	.9743	.9871	.9355	.9011	.0288
#2	.9505	.9440	.9957	1.003	.9553	.9299	<.0000
#3	.9609	.9569	.9886	.9982	.9395	.9587	.0740
#4	.9648	.9667	1.003	1.011	.9514	.9587	.0288

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.016	.9858	.9551	.9575
SDev	.027	.0965	.0063	.0110
%RSD	2.624	9.794	.6606	1.146

#1	1.006	.8581	.9527	.9487
#2	.9832	1.077	.9478	.9474
#3	1.038	.9675	.9576	.9656
#4	1.038	1.041	.9625	.9683

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Method: IECW Sample Name: cb

Operator: it

Run Time: 12/19/01 16:11:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0032	.0271	<.0000	.0008	.0002	.0001	<.0000
SDev	.0013	.0076	.0372	.0009	.0000	.0001	.0017
%RSD	41.90	28.17	198.1	116.0	.1968	81.65	35.59

#1	.0032	.0189	<.0000	.0005	.0002	.0002	<.0000
#2	.0041	.0309	.0217	.0021	.0002	.0001	<.0000
#3	.0013	.0229	<.0000	<.0000	.0002	<.0000	<.0000
#4	.0041	.0359	<.0000	.0005	.0002	.0001	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0025	.0035	.0020	.0045	<.0000	<.0000	.0163
SDev	.0015	.0017	.0007	.0004	.0011	.1177	.0037
%RSD	59.57	48.74	36.08	8.001	321.7	162.3	22.88

#1	.0015	.0022	.0017	.0047	<.0000	.0564	.0126
#2	.0015	.0034	.0021	.0047	<.0000	<.0000	.0215
#3	.0025	.0024	.0030	.0047	.0010	<.0000	.0156
#4	.0047	.0059	.0013	.0040	<.0000	<.0000	.0156

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0003	.0219	.0294	.0170	.0129	.0179	<.0000
SDev	.0006	.0019	.0124	.0066	.0195	.0083	.0613
%RSD	200.7	8.566	42.42	38.95	151.6	46.28	77.27

#1	.0007	.0235	.0249	.0133	.0297	.0108	<.0000
#2	.0007	.0235	.0356	.0219	<.0000	.0251	<.0000
#3	<.0000	.0203	.0142	.0096	.0297	.0107	<.0000
#4	.0007	.0203	.0427	.0231	<.0000	.0251	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0775	<.0000	.0027	.0007
SDev	.0175	.0312	.0011	.0003
%RSD	22.53	59430.	40.58	50.20

#1	.0547	<.0000	.0021	.0008
#2	.0912	.0410	.0040	.0002
#3	.0729	<.0000	.0015	.0008
#4	.0912	.0045	.0034	.0008