

WTC samples

11/20/01 IT

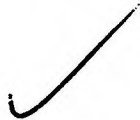
Blk	26982	27014
5 STD	26983	27015
IPC+CB	26984	27055
LFB+LRB	26985	27056
26680+Lab Dup+spk	IPC+CB	27110
26681	LFB+LRB	27111
26682	26986	27112
26710	26986+Lab Dup+spk	IPC+CB
26711	26987	
26712	26988	
26827	26991	
26828	26992	
26829	26993	
26830	27007	
IPC+CB	27008	
26831+Lab Dup+spk	27009	
26832	27010	
26833	IPC+CB	
26845	27011+Lab Dup+spk	
26846	27012	
26847	27013	

Reviewed by,

C/D 11/8/02

Method: IECW Standard: STD1-BIANT

Run Time: 11/20/01 10:24:28



Elem	Ag3280	413082	As1936	B_2496	8a4934	8e3130	Ca3179
Avg	1.436	4.200	.7250	.3120	.1505	.2120	4.302
SDev	.008	.020	.0268	.0059	.0010	.0000	.017
%RSD	.5842	4768	3.698	1.887	.6644	.0000	.3963

#1	1.438	4.204	.6960	.3060	.1500	.2120	4.300
#2	1.444	4.226	.7280	.3200	.1520	.2120	4.326
#3	1.424	4.184	.7160	.3120	.1500	.2120	4.286
#4	1.436	4.184	.7600	.3100	.1500	.2120	4.296

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.3090	3.053	1.096	.6285	.0015	5.611	1.473
SDev	.0066	.012	.001	.0019	.0019	.019	.015
%RSD	2.147	.3907	.0912	.3047	127.7	.3413	1.049

#1	.3140	3.060	1.096	.6300	.0020	5.628	1.496
#2	.3140	3.062	1.096	.6300	.0040	5.612	1.468
#3	.3080	3.036	1.096	.6260	.0000	5.584	1.464
#4	.3000	3.056	1.098	.6280	.0000	5.620	1.464

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.1070	.1810	2.025	.5510	.9155	.2000	.1820
SDev	.0026	.0035	.021	.0104	.0066	.0043	.0067
%RSD	2.413	1.914	1.025	1.886	.7218	2.160	3.699

#1	.1060	.1860	2.040	.5640	.9200	.2020	.1720
#2	.1080	.1800	2.040	.5460	.9200	.2040	.1860
#3	.1040	.1780	1.996	.5400	.9060	.1940	.1840
#4	.1100	.1800	2.024	.5540	.9160	.2000	.1860

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	5.161	.1670	.7570	.1955
SDev	.027	.0132	.0053	.0034
%RSD	.5318	7.914	.6990	1.747

#1	5.174	.1840	.7600	.1960
#2	5.192	.1680	.7620	.1940
#3	5.130	.1640	.7500	.1920
#4	5.148	.1520	.7560	.2000

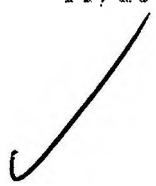
Standardization Rpt.

11/20/01 10:28:35 AM

page 1

Method: IECW Standard: STD6

Run Time: 11/20/01 10:27:15



Elem	Ag3280
Avge	44.33
SDev	.05
%RSD	.1165

#1	44.36
#2	44.32
#3	44.27
#4	44.39

Standardization Rpt.

11/20/01 10:30:56 AM

page 1

Method: IECW Standard: S103

Run Time: 11/20/01 10:29:13

Elem	Al3082	Be3130	Fe2599	Mo2020	Na5889	Ni2316	Sb2068
Avge	26.04	243.5	15.79	8.385	12.39	18.96	1.973
SDev	.06	.06	.04	.044	.03	.05	.013
%RSD	.2315	.2521	.2631	.5209	.2278	.2856	.6543

#1	26.03	243.7	15.78	8.360	12.35	18.90	1.980
#2	25.96	242.6	15.74	8.342	12.39	18.96	1.982
#3	26.06	243.9	15.81	8.400	12.42	19.03	1.976
#4	26.11	243.9	15.83	8.440	12.38	18.94	1.954

Elem	Li1908
Avge	1.717
SDev	.021
%RSD	1.197

#1	1.704
#2	1.698
#3	1.720
#4	1.744

Standardization Rpt.

11/20/01 10:34:11 AM

page 1

Method: IECW Standard: S1D4

Run Time: 11/20/01 10:32:49

Elem	As1936	B_2496	Cr2677	Se1960	Si2881
Avge	8.206	41.30	51.16	1.414	9.389
SDev	.039	.11	.11	.011	.017
%RSD	.4805	.2768	.2068	.7946	.1760

#1	8.182	41.38	51.24	1.400	9.392
#2	8.210	41.32	51.24	1.426	9.408
#3	8.260	41.13	51.02	1.420	9.368
#4	8.172	41.36	51.15	1.412	9.386

Standardization Rpt.

11/20/01 10:38:56 AM

page 1

Method: IECW Standard: STD2

Run Time: 11/20/01 10:37:33

Elem	Ba4734	Ca3179	Cd2288	Co2286	Cr5247	K_7664	Mg2790
Avge	28.48	96.29	41.69	146.4	27.19	11.14	8.352
SDev	.12	.28	.16	.4	.11	.02	.024
%RSD	.4161	.2947	.3895	.2912	.4098	.1823	.2827

#1	28.31	95.88	41.48	145.8	27.04	11.12	8.318
#2	28.50	96.34	41.73	146.6	27.19	11.12	8.356
#3	28.54	96.47	41.66	146.6	27.23	11.15	8.362
#4	28.57	96.48	41.88	146.7	27.30	11.16	8.372

Elem	Mn2576	Pb2203	Zn2138
Avge	32.71	6.713	35.40
SDev	.12	.031	.14
%RSD	.3607	.4644	.3820

#1	32.54	6.678	35.26
#2	32.71	6.702	35.35
#3	32.79	6.752	35.43
#4	32.78	6.720	35.56

Standardization Rpt.

11/20/01 10:42:03 AM

page 1

Method: IECW Standard: STD5
Run Time: 11/20/01 10:40:40

Elem V_2924
Avge 33.87
SDev .07
%RSD .1936

#1 33.78
#2 33.91
#3 33.86
#4 33.92

Run Date: 11/20/01

11/20/01 11:03:39 AM

Page 1

Method: IECW Sample Name: 100

Operator: LC

Run Time: 11/20/01 11:03:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4904	Ca3179
Avge	.4964 ✓	.9507 ✓	.0323	1.027	1.028 ✓	1.053 ✓
SDev	.0016	.0040	.0482	.007	.004	.004
%RSD	.3164	.4207	149.2	.6620	.3478	.2647

#1	.4959	.9449	.0110	1.022	1.027	.9932
#2	.4968	.9449	.0055	1.022	1.027	.9952
#3	.4949	.9449	.1045	1.027	1.026	.9939
#4	.4982	.9541	.0092	1.036	1.034	.9991

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.044 ✓	1.037 ✓	1.010 ✓	1.011 ✓	1.016 ✓	1.011 ✓
SDev	.007	.006	.003	.003	.003	.013
%RSD	.6606	.5465	.3344	.3407	.2762	1.255

#1	1.036	1.034	1.009	1.008	1.014	1.006
#2	1.047	1.034	1.012	1.009	1.013	.9999
#3	1.040	1.033	1.006	1.013	1.020	1.009
#4	1.051	1.045	1.014	1.015	1.017	1.029

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.037 ✓	.9828 ✓	1.021 ✓	1.031 ✓	1.046	1.029	1.0000
SDev	.004	.0090	.025	.012	.014	.043	.0817
%RSD	.3497	.9180	2.488	1.171	1.358	4.210	98.72

#1	1.035	.9889	1.013	1.039	1.033	.9952	<.0000
#2	1.034	.9694	1.028	1.040	1.037	.9952	<.0000
#3	1.035	.9865	.9914	1.032	1.051	1.086	<.0000
#4	1.042	.9865	1.052	1.014	1.064	1.040	.0277

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	1.249	1.087	1.027 ✓	1.034 ✓
SDev	.056	.054	.002	.003
%RSD	4.448	5.011	.1557	.2557

#1	1.233	1.032	1.025	1.038
#2	1.272	1.161	1.028	1.034
#3	1.181	1.084	1.027	1.033
#4	1.311	1.071	1.028	1.032

Analysis Report

11/20/01 11:28:49 AM

page 1

Method: 18CW Sample Name: CR
 Run Time: 11/20/01 11:26:57
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000 ✓	<.0000 ✓	<.0000 ✓	.0011	<.0000 ✓	<.0000 ✓	<.0000 ✓
SD	.0031	.0136	.0273	.0008	.0003	.0000	.0039
%RSD	297.9	269.0	71.70	75.77	200.0	100.0	357.2
#1	.0019	.0094	<.0000	.0007	<.0000	<.0000	.0028
#2	.0014	.0030	<.0000	.0012	<.0000	.0000	.0015
#3	<.0000	<.0000	<.0000	.0022	.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	.0003	<.0000	<.0000	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0011 <i>2.002</i>	<.0000 ✓	<.0000 ✓	<.0000 ✓	.0019 <i>2.002</i>	<.0000	<.0000 ✓
SD	.0019	.0013	.0011	.0013	.0033	.3904	.0201
%RSD	179.6	50.36	222.1	75.88	174.9	63.06	183.9
#1	<.0000	<.0000	.0006	<.0000	.0007	<.0000	<.0000
#2	.0028	<.0000	.0002	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0016	<.0000	.0029
#4	.0028	<.0000	<.0000	<.0000	.0003	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	<.0000 ✓	<.0000 ✓	<.0000 ✓	.0011 <i>21</i>	<.0000	.0085	<.0000
SD	.0003	.0034	.0243	.0021	.0221	.0216	.0890
%RSD	200.4	283.1	2503.	190.8	426.5	254.6	143.1
#1	<.0000	.0012	.0282	.0016	.0078	.0028	<.0000
#2	<.0000	<.0000	.0087	.0038	.0181	.0254	<.0000
#3	.0003	.0012	<.0000	<.0000	<.0000	.0255	.0655
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.0759	.0195	<.0000 ✓	.0003 ✓			
SD	.1637	.0163	.0013	.0011			
%RSD	215.6	83.61	137.4	399.0			
#1	.1811	.0227	.0001	.0009			
#2	.1724	.0357	.0002	.0009			
#3	.1160	.0227	<.0000	.0009			
#4	<.0000	<.0000	<.0000	<.0000			

Analysis Report

11/20/01 11:38:23 AM

page 1

Method: IECW Sample Name: lfp
 Run Time: 11/20/01 11:31:29
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0205 <i>82%</i>	.2273 <i>91%</i>	.2793	.2548	.2540	.0482	.0221 <i>NA</i>
SDev	.0015	.0052	.0024	.0040	.0011	.0001 <i>96%</i>	.0016
%RSD	7.538	2.281	11.62	1.553	.4171	.2576	7.048
#1	.0194	.2215	.2433	.2578	.2553	.0483	.0199
#2	.0194	.2317	.2645	.2554	.2531	.0481	.0236
#3	.0226	.2243	.3180	.2569	.2531	.0480	.0223
#4	.0208	.2317	.2912	.2490	.2545	.0483	.0225
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1030	.1021	.2478	.2704 <i>103%</i>	.3209	<.0000	<.0000 <i>NA</i>
SDev	.0011	.0020	.0022	.0011	.0023	.0780	.0075
%RSD	1.109	1.956	.8735	.4179	.7271	5.878	68.25
#1	.1021	.1020	.2510	.2721	.3196	<.0000	<.0000
#2	.1021	.1023	.2462	.2698	.3234	<.0000	<.0000
#3	.1031	.1045	.2470	.2698	.3183	<.0000	<.0000
#4	.1045	.0996	.2470	.2698	.3221	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2548	.0978	.0577 <i>NA</i>	.2605	.2397	.1790	.2237
SDev	.0009	.0025	.0145	.0036	.0020	.0198	.0558
%RSD	.3406	2.519	25.15	1.388	.8312	11.05	24.97
#1	.2554	.0966	.0768	.2597	.2415	.1961	.1992
#2	.2535	.1015	.0611	.2564	.2380	.1619	.1664
#3	.2548	.0966	.0474	.2652	.2380	.1961	.2319
#4	.2554	.0966	.0455	.2608	.2415	.1618	.2972
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.0425	.3327	.0963	.2590			
SDev	.0409	.0924	.0006	.0021			
%RSD	96.17	27.77	.6009	.8279			
#1	<.0000	.2583	.0970	.2586			
#2	.0687	.3230	.0964	.2620			
#3	.0599	.2842	.0958	.2569			
#4	.0599	.4654	.0958	.2586			

✓

ISOW	CONC		Fe	SN:1fb Fe only		11/20/01 11:45:14	
Elem	Cd2288	Cd2286	Cr2677	Cu3247	Fe2549	K_7664	Mg2796
Avge	.1072	.1066	.2549	.2701	.2698	.0000	<.0000
SDev	.0005	.0021	.0016	.0013	.0024	.2463	.0097
%RSD	.4514	2.010	.6471	.4828	.9058	12.04	31.49
#1	.1070	.1054	.2551	.2720	.2717	<.0000	<.0000
#2	.1070	.1084	.2527	.2698	.2692	<.0000	<.0000
#3	.1079	.1084	.2551	.2698	.2666	<.0000	<.0000
#4	.1070	.1042	.2567	.2690	.2717	<.0000	<.0000

Analysis Report

11/20/01 11:49:26 AM

page 1

Method: IECW Sample Name: lrb
 Run Time: 11/20/01 11:47:40
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0013	.0039	.0181	.0017	.0000	.0000	.0008
%RSD	64.80	28.02	403.7	53.86	.1101	.0000	10.05

#1	<.0000	<.0000	.0088	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	.0036	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	.0008	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0012	.0009	.0006	.0007	.0032	.1522	.0113
%RSD	498.0	61.89	46.83	63.85	167.2	18.48	59.60

#1	.0006	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	.0001	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0016	<.0000	<.0000	<.0000	.0022	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0002	<.0000	<.0000	<.0000	<.0000	<.0000	.0768
SDev	.0003	.0035	.0232	.0035	.0209	.0328	.0624
%RSD	198.6	14.88	49.64	74.46	606.4	230.6	81.27

#1	.0003	<.0000	<.0000	<.0000	.0035	<.0000	.0324
#2	.0003	<.0000	<.0000	<.0000	.0069	<.0000	.1454
#3	.0003	<.0000	<.0000	<.0000	<.0000	.0229	.1131
#4	<.0000	<.0000	<.0000	<.0000	.0104	<.0000	.0162

Elem	Si2881	Tl1908	V_2424	Zn2138
Avge	<.0000	.0454	<.0000	<.0000
SDev	.0365	.0861	.0009	.0005
%RSD	27.70	189.8	120.1	27.22

#1	<.0000	<.0000	<.0000	<.0000
#2	<.0000	.1198	.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.1198	<.0000	<.0000

Analysis Report

11/20/01 12:05.37 PM

page 1

Method: IECW Sample Name: 26680

Operator: it

Run time: 11/20/01 12:03:46

Comment:

Mode: DUNC Corr. factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0192	.0016	.0164	<.0000	5.866
SDev	.0016	.0031	.0322	.0002	.0004	.0000	.011
%RSD	57.19	28.58	167.1	15.13	2.487	3.125	.1840
#1	<.0000	<.0000	.0666	.0017	.0167	<.0000	5.877
#2	<.0000	<.0000	<.0000	.0012	.0160	<.0000	5.852
#3	<.0000	<.0000	.0079	.0017	.0167	<.0000	5.865
#4	<.0000	<.0000	.0080	.0017	.0160	<.0000	5.871
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0117	.0275	<.0000	1.226
SDev	.0006	.0017	.0011	.0008	.0007	.0935	.022
%RSD	40.20	89.49	67.51	6.427	2.692	10.23	1.769
#1	<.0000	<.0000	<.0000	.0113	.0282	<.0000	1.236
#2	<.0000	<.0000	<.0000	.0113	.0282	<.0000	1.195
#3	<.0000	.0002	<.0000	.0128	.0269	<.0000	1.230
#4	<.0000	<.0000	<.0000	.0113	.0269	<.0000	1.245
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0269	<.0000	6.895	<.0000	<.0000	<.0000	.0802
SDev	.0003	.0042	.028	.0065	.0260	.0395	.0995
%RSD	1.320	15.84	.4075	98.17	752.8	86.30	124.2
#1	.0272	<.0000	6.884	<.0000	.0034	<.0000	.0963
#2	.0272	<.0000	6.884	<.0000	.0069	<.0000	.0802
#3	.0266	<.0000	6.876	<.0000	.0172	<.0000	.1932
#4	.0266	<.0000	6.937	<.0000	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	.0284	.0432	<.0000	.0010			
SDev	.0524	.0287	.0006	.0008			
%RSD	12.24	66.34	27.80	76.58			
#1	.4947	.0788	<.0000	.0022			
#2	.4443	.0142	<.0000	.0005			
#3	.3979	.0529	<.0000	.0010			
#4	.3768	.0270	<.0000	.0005			

Analysis Report

11/20/01 12:07:58 PM

page 1

Method: IECW Sample Name: 26680lab dup

Operator: it

Run Time: 11/20/01 12:06:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000 0	<.0000 0	.0232	.0020	.0167 0.0164	<.0000 0	5.880 5.866
SDev	.0012	.0024	.0063	.0012	.0000	.0001	.007
%RSD	33.55	29.02	27.16	59.29	.0056 226	3.553	.1123 0.2%
#1	<.0000	<.0000	.0186	.0027	.0167	<.0000	5.881
#2	<.0000	<.0000	.0239	.0007	.0167	<.0000	5.874
#3	<.0000	<.0000	.0319	.0012	.0167	<.0000	5.877
#4	<.0000	<.0000	.0185	.0032	.0167	<.0000	5.889

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000 0	<.0000 0	<.0000 0	.0123 0.0117	.0253 0.0275	<.0000	1.235 1.226
SDev	.0024	.0017	.0015	.0009	.0026	.4523	.017
%RSD	264.6	96.93	91.48	7.715	10.42	64.88	1.338
#1	<.0000	<.0000	<.0000	.0113	.0282	<.0000	1.213
#2	<.0000	<.0000	<.0000	.0121	.0256	<.0000	1.233
#3	.0025	.0007	<.0000	.0136	.0256	<.0000	1.247
#4	<.0000	<.0000	<.0000	.0121	.0218	<.0000	1.247

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0269 same	<.0000 0	6.939 6.895	<.0000 0	<.0000	<.0000	.0438
SDev	.0006	.0055	.030	.0033	.0145	.0235	.0445
%RSD	2.284	23.89	.4380	40.96	168.1	162.9	101.5
#1	.0272	<.0000	6.967	<.0000	<.0000	<.0000	.0963
#2	.0272	<.0000	6.951	<.0000	<.0000	<.0000	.0640
#3	.0260	<.0000	6.896	<.0000	<.0000	.0112	<.0000
#4	.0272	<.0000	6.941	<.0000	.0069	<.0000	.0156

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4158	.0270	<.0000 0	.0016 0.0010
SDev	.0397	.0747	.0007	.0000
%RSD	9.550	276.4	54.96	.0148
#1	.4147	.1177	<.0000	.0016
#2	.3599	.0141	<.0000	.0016
#3	.4442	.0400	<.0000	.0016
#4	.4442	<.0000	<.0000	.0016

Analysis Report

11/20/01 12:17:57 PM

page 1

Method: IECW Sample Name: 26680spk

Operator: it

Run Time: 11/20/01 12:13:56

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0224 ⁰	.2641 ⁰	.2272	.2584	.2672 ^{0.0164}	.0480 ⁰	5.784 ^{NA}
SDev	.0005 ^{89%}	.0058 ^{106%}	.0366	.0030	.0003 ^{100%}	.0001 ^{96%}	.004
%RSD	2.403	2.207	16.12	1.168	.1322	.2225	.0735

#1	.0219	.2605	.2667	.2542	.2674	.0479	5.785
#2	.0229	.2660	.2479	.2600	.2674	.0481	5.779
#3	.0219	.2586	.2079	.2610	.2674	.0480	5.789
#4	.0229	.2715	.1864	.2586	.2667	.0480	5.782

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1020 ⁰	.1040 ⁰	.2443 ⁰	.2781 ^{0.0117}	.2813 ^{0.0215}	<.0000	1.233 ^{NA}
SDev	.0019 ^{102%}	.0024 ^{104%}	.0016 ^{98%}	.0007 ^{98%}	.0006 ^{102%}	.3750	.008
%RSD	1.857	2.307	.6585	.2592	.2261	109.6	.6207

#1	.0995	.1062	.2436	.2776	.2809	<.0000	1.229
#2	.1039	.1024	.2452	.2783	.2809	<.0000	1.226
#3	.1015	.1016	.2424	.2776	.2809	<.0000	1.232
#4	.1029	.1060	.2460	.2791	.2822	.1801	1.243

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2800 ^{0.0269}	.0971 ⁰	6.841 ^{NA}	.2521 ⁰	.2500	.2329	.2233
SDev	.0018 ^{101%}	.0025	.036	.0082	.0160	.0323	.0430
%RSD	.6295	2.535	.5205	3.238	6.411	13.86	19.28

#1	.2777	.0959	6.834	.2425	.2353	.2557	.1865
#2	.2813	.0959	6.869	.2622	.2698	.2557	.1865
#3	.2813	.0959	6.869	.2502	.2388	.1872	.2520
#4	.2795	.1008	6.794	.2534	.2560	.2328	.2683

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8217	.2571	.0978 ⁰	.2596 ^{0.0010}
SDev	.0570	.0390	.0018	.0021
%RSD	6.938	15.17	1.845	.8259

#1	.7950	.2896	.1000	.2618
#2	.8196	.2376	.0970	.2578
#3	.7704	.2896	.0958	.2578
#4	.9017	.2116	.0982	.2612

Analysis Report

11/20/01 12:23:50 PM

Page 1

Method: IECW Sample Name: 26661

Operator: it

Run time: 11/20/01 12:22:05

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0218	.0045	.0175	<.0000	5.476
SDev	.0016	.0070	.0252	.0015	.0000	.0001	.016
%RSD	56.69	1474.	115.3	33.33	.0090	32.99	.2873

#1	<.0000	<.0000	.0540	.0037	.0175	<.0000	5.490
#2	<.0000	<.0000	.0193	.0047	.0175	<.0000	5.469
#3	<.0000	.0007	<.0000	.0032	.0175	<.0000	5.487
#4	<.0000	.0090	.0217	.0066	.0175	<.0000	5.456

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	.0114	.0304	<.0000	1.199
SDev	.0015	.0004	.0012	.0004	.0012	.3282	.011
%RSD	284.0	91.30	117.5	3.830	4.024	67.48	.9189

#1	.0019	<.0000	<.0000	.0110	.0295	<.0000	1.191
#2	<.0000	<.0000	<.0000	.0117	.0308	<.0000	1.197
#3	.0019	<.0000	<.0000	.0117	.0295	<.0000	1.215
#4	<.0000	<.0000	<.0000	.0110	.0320	<.0000	1.191

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0267	<.0000	6.217	.0011	<.0000	<.0000	<.0000
SDev	.0000	.0055	.035	.0065	.0091	.0279	.0737
%RSD	.0022	283.4	.5600	611.6	1054.	54.23	161.4

#1	.0267	<.0000	6.240	<.0000	<.0000	<.0000	<.0000
#2	.0267	<.0000	6.250	<.0000	.0112	<.0000	<.0000
#3	.0267	.0024	6.207	.0038	<.0000	<.0000	<.0000
#4	.0267	<.0000	6.173	.0082	.0009	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6216	.0499	<.0000	.0030
SDev	.0308	.0566	.0011	.0010
%RSD	4.952	113.4	54.50	32.37

#1	.5816	.0305	<.0000	.0045
#2	.6309	.0954	<.0000	.0028
#3	.6185	<.0000	<.0000	.0022
#4	.6555	.0954	<.0000	.0028

Analysis Report

11/20/01 12:26:33 PM

page 1

Method: IECW Sample Name: 26682

Operator: it

Run Time: 11/20/01 12:24:48

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0032	.0148	<.0000	5.829
SDev	.0014	.0032	.0541	.0004	.0003	.0001	.010
%RSD	71.10	264.6	419.7	12.51	2.390	32.99	.1796

#1	<.0000	<.0000	<.0000	.0037	.0146	<.0000	5.840
#2	<.0000	<.0000	.0486	.0027	.0153	<.0000	5.834
#3	.0000	.0034	<.0000	.0032	.0146	<.0000	5.816
#4	<.0000	<.0000	.0058	.0032	.0146	<.0000	5.825

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0117	.0272	<.0000	1.225
SDev	.0008	.0009	.0010	.0009	.0022	.2070	.013
%RSD	65.94	145.7	60.33	7.419	8.017	42.55	1.068

#1	<.0000	<.0000	<.0000	.0125	.0282	<.0000	1.226
#2	<.0000	<.0000	<.0000	.0125	.0295	<.0000	1.209
#3	<.0000	<.0000	<.0000	.0110	.0269	<.0000	1.241
#4	<.0000	.0006	<.0000	.0110	.0243	<.0000	1.226

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0203	<.0000	6.679	.0005	.0207	<.0000	<.0000
SDev	.0006	.0025	.043	.0032	.0150	.0235	.0299
%RSD	3.023	39.44	.6513	625.6	72.50	116.7	118.8

#1	.0206	<.0000	6.708	.0005	.0285	<.0000	<.0000
#2	.0206	<.0000	6.688	<.0000	.0354	.0055	<.0000
#3	.0206	<.0000	6.615	.0049	.0009	<.0000	<.0000
#4	.0194	<.0000	6.706	<.0000	.0181	<.0000	.0076

Elem	Si2831	Ti1908	V_2924	Zn2138
Avge	.6524	.0174	<.0000	.0022
SDev	.0287	.0498	.0006	.0008
%RSD	4.402	285.8	30.86	36.77

#1	.6554	<.0000	<.0000	.0033
#2	.6473	.0824	<.0000	.0016
#3	.6185	.0304	<.0000	.0022
#4	.6883	<.0000	<.0000	.0016

Analysis Report

11/20/01 12:28:44 PM

page 1

Method: IECW Sample Name: 26710

Operator: it

Run Time: 11/20/01 12:26:59

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0046	.0044	.0044	.0139	<.0000	5.800
SDev	.0008	.0049	.0260	.0008	.0000	.0001	.008
%RSD	142.4	107.6	593.8	19.20	.0041	32.99	.1333

#1	<.0000	.0071	<.0000	.0032	.0139	<.0000	5.802
#2	.0005	<.0000	<.0000	.0046	.0139	<.0000	5.789
#3	<.0000	.0099	<.0000	.0046	.0139	<.0000	5.800
#4	<.0000	.0025	.0431	.0051	.0139	<.0000	5.808

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0004	<.0000	<.0000	.0275	<.0000	1.272
SDev	.0021	.0015	.0010	.0008	.0016	.1482	.008
%RSD	231.3	426.0	77.35	106.5	5.987	182.8	.6016

#1	<.0000	.0016	<.0000	<.0000	.0256	.1081	1.267
#2	<.0000	.0009	<.0000	<.0000	.0294	<.0000	1.278
#3	.0019	<.0000	<.0000	<.0000	.0269	<.0000	1.278
#4	<.0000	.0009	<.0000	<.0000	.0282	<.0000	1.264

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0230	<.0000	4.141	.0011	<.0000	<.0000	<.0000
SDev	.0010	.0051	.045	.0077	.0044	.0208	.0280
%RSD	4.348	262.5	1.076	729.4	513.5	72.43	589.6

#1	.0243	<.0000	4.179	.0038	<.0000	<.0000	<.0000
#2	.0230	.0048	4.170	<.0000	<.0000	<.0000	.0239
#3	.0218	<.0000	4.132	.0104	.0009	<.0000	<.0000
#4	.0231	<.0000	4.081	<.0000	.0043	<.0000	.0075

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6492	.0790	<.0000	.0005
SDev	.0355	.0682	.0000	.0011
%RSD	5.475	86.33	.0387	237.2

#1	.6061	.1213	<.0000	<.0000
#2	.6348	.0953	<.0000	.0022
#3	.6718	<.0000	<.0000	<.0000
#4	.6841	.1213	<.0000	<.0000

Analysis Report

11/20/01 12:32:20 PM

page 1

Method: IECW Sample Name: 26711

Run Time: 11/20/01 12:30:36

Comment:

Mode: CUNC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0009	.0372	.0043	.0180	<.0000	5.409
SDev	.0011	.0050	.0263	.0010	.0003	.0001	.026
%RSD	108.1	540.8	70.75	23.42	1.949	32.99	.4840

#1	.0005	.0025	.0559	.0051	.0182	<.0000	5.432
#2	<.0000	.0071	.0645	.0032	.0182	<.0000	5.429
#3	<.0000	<.0000	.0086	.0052	.0175	<.0000	5.377
#4	<.0000	<.0000	.0219	.0037	.0182	<.0000	5.399

Elem	Co2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0005	<.0000	<.0000	.0234	<.0000	1.200
SDev	.0019	.0017	.0006	.0009	.0028	.2621	.011
%RSD	128.1	309.5	23.55	185.9	12.07	83.14	.9490

#1	<.0000	.0012	<.0000	<.0000	.0269	.0721	1.203
#2	<.0000	.0019	<.0000	<.0000	.0218	<.0000	1.215
#3	<.0000	.0010	<.0000	<.0000	.0206	<.0000	1.188
#4	<.0000	<.0000	<.0000	.0004	.0244	<.0000	1.194

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0254	<.0000	3.621	.0016	<.0000	<.0000	.0158
SDev	.0003	.0049	.034	.0015	.0123	.0300	.0341
%RSD	1.207	65.93	.9322	95.98	94.89	115.9	216.2

#1	.0255	<.0000	3.670	.0016	<.0000	<.0000	<.0000
#2	.0255	<.0000	3.613	<.0000	<.0000	.0055	.0076
#3	.0249	<.0000	3.602	.0027	<.0000	<.0000	.0567
#4	.0255	<.0000	3.598	.0027	<.0000	<.0000	.0240

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.3877	.1084	<.0000	.0006
SDev	.0207	.0551	.0000	.0005
%RSD	5.350	50.85	.0574	86.62

#1	.4051	.1604	<.0000	.0011
#2	.4051	.0434	<.0000	.0005
#3	.3641	.0824	<.0000	<.0000
#4	.3764	.1474	<.0000	.0011

Analysis Report

11/17/01 17:41:58 PM

page 1

Method: ICP-AES Sample Name: 67

Operator: it

Run Time: 11/20/01 12:30:51

Comment:

Model: ICP-AES Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0801	.0154	.0269	<.0000	24.42
SDev	.0008	.0053	.0436	.0010	.0004	.0000	.07
%RSD	50.95	87.13	54.44	6.835	1.330	25.00	.2896

#1	<.0000	<.0000	.1161	.0153	.0267	<.0000	24.44
#2	<.0000	<.0000	.1161	.0149	.0268	<.0000	24.39
#3	.0000	<.0000	.0600	.0168	.0267	<.0000	24.51
#4	<.0000	<.0000	.0281	.0144	.0275	<.0000	24.35

Elem	Cd3286	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	.0003	<.0000	<.0000	.0504	1.081	8.122
SDev	.0013	.0011	.0014	.0004	.0006	.274	.032
%RSD	457.5	325.2	312.9	22.35	1.253	25.39	.3905

#1	<.0000	.0002	.0010	<.0000	.0513	.8647	8.156
#2	<.0000	.0019	<.0000	<.0000	.0500	1.369	8.092
#3	<.0000	<.0000	<.0000	<.0000	.0500	.8287	8.142
#4	.0015	<.0000	.0003	<.0000	.0500	1.261	8.098

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0525	<.0000	26.86	.0059	<.0000	<.0000	.0125
SDev	.0003	.0000	.07	.0011	.0044	.0218	.0605
%RSD	.5875	.0467	.2787	18.45	30.36	90.67	483.9

#1	.0520	<.0000	26.95	.0064	<.0000	<.0000	.0207
#2	.0526	<.0000	26.85	.0043	<.0000	.0044	<.0000
#3	.0526	<.0000	26.86	.0065	<.0000	<.0000	.0043
#4	.0526	<.0000	26.76	.0065	<.0000	<.0000	.0862

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	1.126	.0551	<.0000	<.0000
SDev	.017	.0467	.0007	.0010
%RSD	1.494	84.82	40.30	138.4

#1	1.147	.0193	<.0000	<.0000
#2	1.115	.1233	<.0000	.0001
#3	1.131	.0323	<.0000	<.0000
#4	1.111	.0454	<.0000	<.0000

Analysis Report

11/20/01 12:36:43 PM

page 1

Method: IECW Sample Name: 26827

Operator: it

Run Time: 11/20/01 12:34:58

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0011	.0311	.0056	.0137	<.0000	5.831
SDev	.0006	.0051	.0287	.0010	.0003	.0001	.016
%RSD	104.8	469.7	92.11	17.39	2.563	32.99	.2775

#1	<.0000	.0080	.0350	.0051	.0139	<.0000	5.844
#2	.0000	.0016	<.0000	.0071	.0139	<.0000	5.819
#3	<.0000	<.0000	.0459	.0051	.0132	<.0000	5.815
#4	<.0000	<.0000	.0539	.0051	.0139	<.0000	5.845

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	.0009	<.0000	<.0000	.0278	<.0000	1.276
SDev	.0009	.0018	.0017	.0011	.0028	.2503	.016
%RSD	303.7	207.2	101.7	98.17	10.18	111.1	1.249

#1	<.0000	.0028	.0003	<.0000	.0307	<.0000	1.278
#2	.0009	.0020	<.0000	<.0000	.0269	.0360	1.287
#3	<.0000	<.0000	<.0000	<.0000	.0294	<.0000	1.252
#4	<.0000	<.0000	<.0000	<.0000	.0243	<.0000	1.284

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0241	<.0000	7.173	.0049	<.0000	<.0000	<.0000
SDev	.0003	.0059	.029	.0024	.0100	.0000	.0744
%RSD	1.268	93.94	.4017	48.53	1150.	.0925	295.3

#1	.0243	<.0000	7.185	.0038	<.0000	<.0000	.0730
#2	.0243	<.0000	7.158	.0027	.0112	<.0000	<.0000
#3	.0237	<.0000	7.142	.0082	.0009	<.0000	<.0000
#4	.0243	<.0000	7.207	.0049	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5651	.0660	<.0000	<.0000
SDev	.0150	.0789	.0000	.0011
%RSD	2.648	119.5	.0449	172.9

#1	.5568	.1602	<.0000	<.0000
#2	.5815	<.0000	<.0000	<.0000
#3	.5487	.0953	<.0000	<.0000
#4	.5733	.0303	<.0000	.0010

Analysis Report

11/20/01 12:38:57 PM

page 1

Method: IECW Sample Name: 26828

Operator: it

Run time: 11/20/01 12:37:13

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0030	.0278	.0032	.0166	<.0000	5.716
SDev	.0006	.0050	.0125	.0006	.0003	.0000	.014
%RSD	29.03	170.2	44.88	17.78	2.129	.0000	.2506

#1	<.0000	.0034	.0324	.0037	.0160	<.0000	5.706
#2	<.0000	<.0000	.0271	.0027	.0167	<.0000	5.712
#3	<.0000	<.0000	.0405	.0027	.0167	<.0000	5.737
#4	<.0000	.0099	.0110	.0037	.0167	<.0000	5.710

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0247	<.0000	1.270
SDev	.0016	.0008	.0006	.0000	.0019	.0208	.006
%RSD	870.0	939.0	39.26	.0205	7.761	10.50	.4333

#1	.0019	<.0000	<.0000	<.0000	.0218	<.0000	1.267
#2	<.0000	<.0000	<.0000	<.0000	.0256	<.0000	1.270
#3	<.0000	.0009	<.0000	<.0000	.0256	<.0000	1.278
#4	<.0000	.0003	<.0000	<.0000	.0256	<.0000	1.267

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0278	<.0000	6.758	.0063	<.0000	<.0000	<.0000
SDev	.0005	.0025	.044	.0052	.0185	.0208	.0280
%RSD	1.103	39.47	.6570	83.84	112.7	72.45	74.61

#1	.0260	<.0000	6.765	.0082	.0043	<.0000	<.0000
#2	.0273	<.0000	6.753	.0125	<.0000	<.0000	<.0000
#3	.0280	<.0000	6.812	.0038	<.0000	<.0000	<.0000
#4	.0280	<.0000	6.704	.0005	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.5743	<.0000	<.0000	<.0000
SDev	.0537	.0851	.0008	.0008
%RSD	9.342	716.2	45.25	165.8

#1	.5897	.0433	<.0000	<.0000
#2	.6143	<.0000	<.0000	<.0000
#3	.5979	<.0000	<.0000	<.0000
#4	.4953	<.0000	<.0000	<.0000

4/11/918 Report

11/20/01 12:41:11 PM

page 1

Method: IBCW Sample Name: 26829

Operator: .it

Run Time 11/20/01 12:39:27

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0044	.0151	.0043	.0176	<.0000	5.367
SDev	.0011	.0108	.0255	.0009	.0003	.0001	.010
%RSD	43.80	247.5	168.5	21.54	1.996	32.99	.1939

#1	.0000	.0007	<.0000	.0037	.0175	<.0000	5.352
#2	<.0000	<.0000	.0219	.0042	.0175	<.0000	5.367
#3	<.0000	.0200	.0136	.0037	.0182	<.0000	5.372
#4	<.0000	.0016	.0432	.0056	.0175	<.0000	5.376

Elem	Co2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0087	.0324	<.0000	1.180
SDev	.0013	.0014	.0014	.0009	.0012	.3341	.021
%RSD	140.5	738.5	103.5	9.971	3.791	51.52	1.759

#1	<.0000	<.0000	<.0000	.0080	.0333	<.0000	1.151
#2	.0009	<.0000	<.0000	.0080	.0333	<.0000	1.183
#3	<.0000	.0014	<.0000	.0095	.0320	<.0000	1.197
#4	<.0000	.0001	<.0000	.0095	.0308	<.0000	1.191

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0323	<.0000	6.118	<.0000	<.0000	<.0000	<.0000
SDev	.0000	.0037	.038	.0073	.0059	.0228	.0524
%RSD	.0037	84.09	.6256	436.5	113.8	79.36	114.8

#1	.0323	<.0000	6.154	<.0000	<.0000	<.0000	<.0000
#2	.0323	<.0000	6.067	.0038	.0009	<.0000	<.0000
#3	.0323	<.0000	6.140	.0038	<.0000	<.0000	<.0000
#4	.0323	<.0000	6.110	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.4934	<.0000	<.0000	.0038
SDev	.0479	.0342	.0003	.0013
%RSD	9.708	290.8	14.99	33.57

#1	.4586	<.0000	<.0000	.0022
#2	.4544	.0175	<.0000	.0045
#3	.5036	.0044	.0000	.0033
#4	.5570	<.0000	<.0000	.0050

Final File Report

11/20/01 12:43:12 PM

page 1

Method: ISLW Sample Name: 26830

Operator: 11

Run Time: 11/20/01 12:41:27

Comment:

Model: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	.0018	.0191	.0054	.0153	<.0000	5.735
SDev	.0003	.0056	.0215	.0010	.0000	.0000	.021
%RSD	12.97	312.1	112.7	18.96	.0160	25.00	.3581

#1	<.0000	.0099	<.0000	.0041	.0153	<.0000	5.740
#2	<.0000	<.0000	.0459	.0056	.0153	<.0000	5.745
#3	<.0000	.0006	.0111	.0051	.0153	<.0000	5.752
#4	<.0000	<.0000	.0245	.0066	.0153	<.0000	5.705

Elem	Cd2286	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0049	.0320	<.0000	1.249
SDev	.0007	.0014	.0004	.0000	.0015	.2654	.016
%RSD	52.13	345.5	70.81	.0122	4.619	62.68	1.267

#1	<.0000	<.0000	<.0000	.0049	.0333	<.0000	1.249
#2	<.0000	<.0000	<.0000	.0049	.0307	<.0000	1.244
#3	<.0000	.0010	<.0000	.0049	.0307	<.0000	1.270
#4	<.0000	<.0000	<.0000	.0049	.0333	<.0000	1.232

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0263	<.0000	6.731	.0008	.0017	<.0000	<.0000
SDev	.0003	.0083	.032	.0057	.0127	.0235	.1111
%RSD	1.170	165.5	.4798	726.1	738.8	74.47	122.5

#1	.0261	<.0000	6.737	.0049	.0181	<.0000	<.0000
#2	.0261	.0048	6.773	.0005	.0009	<.0000	<.0000
#3	.0261	<.0000	6.720	<.0000	.0009	<.0000	<.0000
#4	.0267	<.0000	6.696	.0049	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.5159	<.0000	<.0000	.0013
SDev	.0261	.0281	.0013	.0003
%RSD	5.069	325.9	71.42	24.60

#1	.5323	<.0000	<.0000	.0016
#2	.5159	<.0000	<.0000	.0016
#3	.5363	.0043	<.0000	.0010
#4	.4790	.0174	<.0000	.0010

Analysis Report

11/20/01 12:49:05 PM

page 1

Method: IECW

Sample Name: idc

Operator: it

Run Time: 11/20/01 12:43:57

Comment:

Mode: LUNG Corr. Factor: 1

Elem	Ag3280 ✓	Al3082 ✓	As1936	B_2496	Ba4934 ✓	Be3130 ✓	Ca3179
Avgc	.4738 ✓	.9269	<.0000	.9613	.9791 ✓	.9501 ✓	.9955 ✓
SDev	.0024	.0061	.0297	.0043	.0029	.0037	.0045
%RSD	.5107	.6567	293.4	.4437	.2966	.3900	.4533
#1	.4720	.9271	<.0000	.9586	.9782	.9482	.9999
#2	.4716	.9225	<.0000	.9611	.9754	.9462	.9893
#3	.4748	.9354	<.0000	.9674	.9811	.9514	.9956
#4	.4767	.9225	.0307	.9581	.9818	.9546	.9971
Elem	Cd2288 ✓	Co2286 ✓	Cr2677 ✓	Cu3247 ✓	Fe2599 ✓	K_7664	Mg2790
Avgc	.9904 ✓	.9825 ✓	.9544 ✓	.9541 ✓	.9670 ✓	.0000	.9632 ✓
SDev	.0043	.0062	.0046	.0042	.0055	.2450	.0056
%RSD	.4339	.6310	.4824	.4389	.5704	33.58	.5783
#1	.9872	.9796	.9494	.9502	.9619	<.0000	.9589
#2	.9868	.9762	.9525	.9509	.9670	<.0000	.9589
#3	.9916	.9839	.9557	.9585	.9644	<.0000	.9705
#4	.9959	.9906	.9601	.9570	.9746	<.0000	.9647
Elem	Mn2576 ✓	Mo2020 ✓	Na5889 ✓	Ni2316 ✓	Pb2203	Sb2068	Se1960
Avgc	.9807 ✓	.9356 ✓	.9931 ✓	.9915 ✓	.9828	.9410	<.0000
SDev	.0048	.0055	.0049	.0118	.0052	.0377	.0559
%RSD	.4883	.5840	.4947	1.193	.5266	4.005	1159.
#1	.9790	.9338	.9985	.9751	.9905	.9154	<.0000
#2	.9747	.9338	.9867	.9970	.9802	.9610	<.0000
#3	.9851	.9436	.9926	1.002	.9802	.9838	.0525
#4	.9839	.9313	.9946	.9915	.9802	.9039	.0197
Elem	Si2881	Fl1908	V_2924 ✓	Zn2138 ✓			
Avgc	.6508	1.029	.9746 ✓	.9781 ✓			
SDev	.0685	.051	.0030	.0019			
%RSD	10.52	4.944	.3078	.1955			
#1	.6395	.9639	.9734	.9770			
#2	.6149	1.081	.9710	.9770			
#3	.5984	1.055	.9764	.9775			
#4	.7503	1.016	.9777	.9810			

Analysis Report

11/20/01 12:51:18 PM

page 1

Method: IECW Sample Name: cd

Operator: it

Run Time: 11/20/01 12:49:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0016	<.0000	<.0000	<.0000
SDev	.0009	.0086	.0272	.0014	.0003	.0000	.0017
%RSD	153.2	155.5	90.85	90.36	40.09	.0000	15.26

#1	.0001	<.0000	.0040	.0031	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	.0021	<.0000	<.0000	<.0000
#3	<.0000	.0014	<.0000	.0016	<.0000	<.0000	<.0000
#4	.0001	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0000	<.0000	<.0000
SDev	.0011	.0008	.0015	.0004	.0024	.3749	.0112
%RSD	115.5	2359.	99.27	20.00	47520.	48.96	85.85

#1	.0000	.0003	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0035	<.0000	<.0000
#3	<.0000	.0009	<.0000	<.0000	<.0000	<.0000	<.0000
#4	.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0012	<.0000	.0041	.0112	<.0000	<.0000
SDev	.0005	.0032	.0100	.0046	.0075	.0287	.0507
%RSD	328.7	257.4	31.18	113.1	66.45	62.95	137.6

#1	<.0000	<.0000	<.0000	<.0000	.0216	<.0000	.0082
#2	<.0000	.0000	<.0000	.0008	.0078	<.0000	<.0000
#3	<.0000	.0025	<.0000	.0063	.0043	<.0000	<.0000
#4	.0005	.0049	<.0000	.0096	.0112	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	.0975	<.0000	<.0000
SDev	.0213	.0486	.0000	.0008
%RSD	23.61	49.87	.0580	120.1

#1	<.0000	.1494	<.0000	<.0000
#2	<.0000	.0325	<.0000	<.0000
#3	<.0000	.0975	<.0000	.0000
#4	<.0000	.1105	<.0000	.0000

Analysis Report

11/20/01 01:30:07 PM

page 1

Method: IECW Sample Name: 26831

Operator: it

Run Time: 11/20/01 13:28:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0026	.0043	.0149	<.0000	5.952
SDev	.0002	.0019	.0435	.0006	.0007	.0001	.019
%RSD	6.482	17.82	1688.	14.37	4.712	32.99	.3155

#1	<.0000	<.0000	.0166	.0037	.0146	<.0000	5.950
#2	<.0000	<.0000	.0379	.0041	.0160	<.0000	5.977
#3	<.0000	<.0000	.0166	.0051	.0146	<.0000	5.951
#4	<.0000	<.0000	<.0000	.0042	.0146	<.0000	5.931

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004	<.0000	<.0000	.0036	.0288	<.0000	1.244
SDev	.0013	.0004	.0008	.0004	.0022	.02307	.017
%RSD	296.0	26.06	24.12	10.41	7.666	18.04	1.381

#1	.0009	<.0000	<.0000	.0034	.0294	<.0000	1.232
#2	<.0000	<.0000	<.0000	.0034	.0307	<.0000	1.270
#3	.0019	<.0000	<.0000	.0034	.0294	<.0000	1.238
#4	<.0000	<.0000	<.0000	.0042	.0256	<.0000	1.238

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0224	<.0000	7.369	.0060	.0069	<.0000	<.0000
SDev	.0000	.0029	.041	.0040	.0065	.0253	.0618
%RSD	.0053	56.87	.5576	66.76	94.65	97.88	114.9

#1	.0224	<.0000	7.317	.0082	.0112	<.0000	<.0000
#2	.0224	<.0000	7.406	.0104	<.0000	<.0000	<.0000
#3	.0224	<.0000	7.398	.0016	.0112	.0055	<.0000
#4	.0224	<.0000	7.355	.0038	.0078	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.1362	.0206	<.0000	.0008
SDev	.0166	.0065	.0008	.0010
%RSD	12.16	31.34	30.67	129.0

#1	.1342	.0174	<.0000	<.0000
#2	.1505	.0303	<.0000	<.0000
#3	.1137	.0174	<.0000	.0016
#4	.1465	.0174	<.0000	.0016

Analysis Report

11/20/01 01:32:08 PM

page 1

Method: IECW Sample Name: 268311ap dup

Operator: it

Run Time: 11/20/01 13:30:23

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000 0	<.0000 0	.0165	.0031	.0149 0.0149	<.0000 0	5.942 5.952
SDev	.0013	.0074	.0356	.0015	.0004	.0001	.009
%RSD	35.01	185.9	215.4	47.77	2.725	36.29	.1485

#1	<.0000	<.0000	<.0000	.0027	.0153	<.0000	5.939
#2	<.0000	<.0000	.0005	.0051	.0146	<.0000	5.938
#3	<.0000	.0034	.0698	.0017	.0153	<.0000	5.955
#4	<.0000	<.0000	<.0000	.0027	.0146	<.0000	5.935

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0004 0.0004	<.0000 0	<.0000 0	.0046 0.0036	.0288 0.0288	<.0000	1.249 1.244
SDev	.0007	.0027	.0012	.0010 0.002	.0016	.1765	.006
%RSD	162.2	348.4	40.41	21.31	5.722	14.85	.4804

#1	.0009	.0026	<.0000	.0049	.0282	<.0000	1.241
#2	.0004	<.0000	<.0000	.0042	.0294	<.0000	1.249
#3	.0009	.0000	<.0000	.0057	.0307	<.0000	1.249
#4	<.0000	<.0000	<.0000	.0034	.0269	<.0000	1.255

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0226 0.0224	<.0000 0	7.327 7.364	.0046 0.0060	.0052	<.0000	<.0000
SDev	.0003 0.0003	.0035	.047 0.047	.0033 0.0060	.0112	.0323	.0660
%RSD	1.360 1.360	69.62	.6426 1.76	70.84 0.002	274.3	98.13	313.0

#1	.0231	<.0000	7.305	.0060	.0000	.0000	<.0000
#2	.0224	<.0000	7.362	.0005	.0147	.0055	<.0000
#3	.0224	.0000	7.351	.0038	.0009	.0055	.0730
#4	.0224	<.0000	7.284	.0082	.0181	<.0000	<.0000

Elem	Si2981	Ti1908	V_2924	Zn2138
Avge	.1896	.0109	<.0000 0	.0006 0.0006
SDev	.0031	.0708	.0009	.0008
%RSD	22.19	650.5	29.40	137.3

#1	.2450	<.0000	<.0000	.0010
#2	.1711	<.0000	<.0000	.0016
#3	.1957	.0044	.0000	<.0000
#4	.1465	.1083	.0000	<.0000

Analysis Report

Date: 10/01/2014 PM

Page 1

Method: ICP-AES Sample Name: 9-11

Operator: jk

Run Date: 10/01/2014 11:17

Comments:

Notes: 100% 0.0000



Elem	Ag197	As75	As193b	Br249b	Ba4934	Be3130	Ca3179
Avg	.0110 <i>0</i>	.2295 <i>0</i>	.2700	.3583	.2660 <i>0.0149</i>	.0473 <i>0</i>	5.735 <i>NA</i>
SDev	.0010 <i>85%</i>	.0061 <i>92%</i>	.0273	.0031	.0009	.0001	.013
%RSD	4.526 <i>85%</i>	2.660 <i>92%</i>	10.11	1.205	.3337	.2472	.2249
#1	.0213	.2274	.2840	.2593	.2661	.0473	5.742
#2	.0199	.2219	.2734	.2618	.2668	.0472	5.731
#3	.0223	.2330	.2919	.2539	.2647	.0472	5.719
#4	.0213	.2357	.2307	.2588	.2661	.0475	5.748
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1012 <i>0.0004</i>	.0997 <i>0</i>	.2395 <i>0</i>	.2584 <i>0.0036</i>	.2720 <i>0.0298</i>	<.0000	1.203 <i>NA</i>
SDev	.0018	.0015	.0025	.0004	.0024 <i>97%</i>	.2776	.014
%RSD	1.744	1.473	1.059	.1456	.8888	453.3	1.145
#1	.1002	.0991	.2420	.2585	.2724	<.0000	1.194
#2	.0993	.1000	.2360	.2578	.2685	<.0000	1.211
#3	.1022	.1015	.2404	.2585	.2736	.2800	1.188
#4	.1031	.0980	.2396	.2585	.2736	.0000	1.217
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Pb2068	Se1960
Avg	.2706 <i>0.0224</i>	.0922 <i>0</i>	7.208 <i>NA</i>	.2502 <i>0.0060</i>	.2320	.2121	.2669
SDev	.0009 <i>97%</i>	.0025	.071	.0071	.0175	.0376	.1147
%RSD	.3206	2.670	.9895	2.838	7.558	17.71	42.98
#1	.2712	.0909	7.199	.2524	.2320	.1695	.2425
#2	.2694	.0909	7.242	.2426	.2389	.2605	.1449
#3	.2706	.0909	7.113	.2590	.2079	.2150	.4216
#4	.2712	.0959	7.279	.2469	.2492	.2036	.2588
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.5777	.2572	.0957 <i>0</i>	.2545 <i>0.0003</i>			
SDev	.0225	.0707	.0008	.0014 <i>101%</i>			
%RSD	3.892	27.51	.8918	.5314			
#1	.6074	.1987	.0963	.2553			
#2	.5814	.1987	.0945	.2553			
#3	.5666	.2897	.0963	.2525			
#4	.5554	.3416	.0957	.2547			

Analysis Report

11/20/01 01:55:56 PM

page 1

Method: IECW Sample Name: 26832

Operator: it

Run Time: 11/20/01 13:52:11

Comment:

Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0032	.0164	<.0000	5.861
SDev	.0015	.0037	.0097	.0008	.0003	.0001	.007
%RSD	51.22	29.16	359.7	26.64	2.157	81.65	.1197

#1	<.0000	<.0000	.0079	.0039	.0169	.0000	5.861
#2	<.0000	<.0000	<.0000	.0034	.0162	<.0000	5.861
#3	<.0000	<.0000	<.0000	.0020	.0162	<.0000	5.852
#4	<.0000	<.0000	.0027	.0034	.0162	<.0000	5.869

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0108	.0371	<.0000	1.183
SDev	.0011	.0009	.0004	.0004	.0032	.2863	.005
%RSD	112.2	76.83	43.40	3.494	8.596	72.71	.4176

#1	.0002	<.0000	<.0000	.0110	.0387	<.0000	1.185
#2	<.0000	<.0000	<.0000	.0110	.0387	<.0000	1.188
#3	<.0000	<.0000	<.0000	.0110	.0387	<.0000	1.182
#4	<.0000	<.0000	<.0000	.0102	.0323	<.0000	1.177

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0218	<.0000	6.279	.0013	<.0000	<.0000	<.0000
SDev	.0003	.0058	.014	.0032	.0099	.0301	.0538
%RSD	1.621	103.6	.2289	233.5	104.4	174.7	420.9

#1	.0221	<.0000	6.265	.0060	<.0000	<.0000	.0645
#2	.0221	.0024	6.288	<.0000	.0052	.0226	<.0000
#3	.0215	<.0000	6.294	<.0000	<.0000	<.0000	<.0000
#4	.0215	<.0000	6.269	.0005	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3662	<.0000	<.0000	.0026
SDev	.0355	.0383	.0008	.0008
%RSD	9.684	110.9	33.52	30.78

#1	.3587	<.0000	<.0000	.0032
#2	.4144	<.0000	<.0000	.0015
#3	.3625	<.0000	<.0000	.0026
#4	.3291	.0045	<.0000	.0032

Analysis Report

11/20/01 01:58:36 PM

page 1

Method: IECW Sample Name: 26853

Operator: 11

Run Time: 11/20/01 13:56:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0286	.0023	.0164	<.0000	5.639
SDev	.0005	.0043	.0197	.0012	.0003	.0000	.015
%RSD	16.05	34.40	69.05	52.25	2.147	40.00	.2572

#1	<.0000	<.0000	.0293	.0020	.0169	<.0000	5.660
#2	<.0000	<.0000	.0026	.0039	.0162	<.0000	5.628
#3	<.0000	<.0000	.0319	.0025	.0162	<.0000	5.635
#4	<.0000	<.0000	.0505	.0010	.0162	<.0000	5.631

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0098	.0285	<.0000	1.182
SDev	.0014	.0016	.0013	.0004	.0018	.3300	.009
%RSD	141.5	70.77	256.7	4.420	6.324	92.00	.7203

#1	.0002	<.0000	<.0000	.0095	.0298	.0350	1.182
#2	<.0000	<.0000	<.0000	.0095	.0260	<.0000	1.180
#3	<.0000	<.0000	<.0000	.0102	.0298	<.0000	1.194
#4	.0002	<.0000	.0013	.0102	.0285	<.0000	1.174

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0267	<.0000	6.604	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0035	.044	.0023	.0223	.0335	.0428
%RSD	2.961	46.67	.6677	41.48	83.87	290.3	54.98

#1	.0270	<.0000	6.661	<.0000	<.0000	<.0000	<.0000
#2	.0258	<.0000	6.565	<.0000	<.0000	<.0000	<.0000
#3	.0277	<.0000	6.573	<.0000	<.0000	.0226	<.0000
#4	.0264	<.0000	6.616	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.3281	.0175	<.0000	.0043
SDev	.0270	.0619	.0003	.0010
%RSD	8.232	353.6	14.98	24.02

#1	.3365	.0565	<.0000	.0049
#2	.3402	.0825	<.0000	.0032
#3	.2882	<.0000	<.0000	.0037
#4	.3476	<.0000	<.0000	.0055

Analysis Report

11/20/01 02:02:04 PM

page 1

Method: IECW Sample Name: 26845

Operator: it

Run Time: 11/20/01 14:00:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0299	.0010	.0134	<.0000	5.756
SDev	.0005	.0050	.0247	.0004	.0000	.0000	.013
%RSD	11.49	41.94	82.72	40.54	.0097	.0000	.2292
#1	<.0000	<.0000	.0053	.0010	.0134	<.0000	5.762
#2	<.0000	<.0000	.0291	.0010	.0134	<.0000	5.765
#3	<.0000	<.0000	.0638	.0005	.0134	<.0000	5.736
#4	<.0000	<.0000	.0213	.0015	.0134	<.0000	5.760
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0285	<.0000	1.241
SDev	.0015	.0008	.0011	.0004	.0000	.0756	.008
%RSD	134.7	39.67	73.06	29.78	.0101	21.60	.6696
#1	.0011	<.0000	<.0000	<.0000	.0285	<.0000	1.234
#2	<.0000	<.0000	<.0000	<.0000	.0285	<.0000	1.252
#3	<.0000	<.0000	<.0000	<.0000	.0285	<.0000	1.243
#4	<.0000	<.0000	<.0000	<.0000	.0285	<.0000	1.234
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0252	<.0000	4.115	<.0000	<.0000	<.0000	<.0000
SDev	.0005	.0040	.018	.0040	.0112	.0335	.0461
%RSD	1.989	40.52	.4472	161.3	38.42	146.1	273.1
#1	.0252	<.0000	4.128	<.0000	<.0000	<.0000	<.0000
#2	.0246	<.0000	4.093	.0027	<.0000	<.0000	<.0000
#3	.0258	<.0000	4.132	<.0000	<.0000	<.0000	<.0000
#4	.0252	<.0000	4.107	<.0000	<.0000	.0226	.0483
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	.1193	<.0000	<.0000	.0013			
SDev	.0183	.0586	.0005	.0010			
%RSD	15.36	388.6	15.25	72.72			
#1	.1397	.0304	<.0000	.0009			
#2	.0988	<.0000	<.0000	.0026			
#3	.1285	<.0000	<.0000	.0003			
#4	.1100	.0174	<.0000	.0015			

Analysis Report

11/20/01 02:04:17 PM

page 1

Method: IECW Sample Name: 26846

Operator: it

Run time: 11/20/01 14:02:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0513	.0027	.0182	<.0000	5.245
SDev	.0002	.0059	.0152	.0009	.0003	.0000	.018
%RSD	5.930	35.45	29.58	34.23	1.933	.0000	.3372

#1	<.0000	<.0000	.0345	.0015	.0184	<.0000	5.249
#2	<.0000	<.0000	.0612	.0035	.0184	<.0000	5.267
#3	<.0000	<.0000	.0427	.0035	.0184	<.0000	5.241
#4	<.0000	<.0000	.0667	.0025	.0177	<.0000	5.224

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0238	<.0000	1.149
SDev	.0019	.0017	.0009	.0004	.0016	.2864	.015
%RSD	1051.	78.63	75.00	29.89	6.764	39.93	1.308

#1	<.0000	<.0000	<.0000	<.0000	.0222	<.0000	1.148
#2	<.0000	<.0000	<.0000	<.0000	.0235	<.0000	1.171
#3	.0007	<.0000	<.0000	<.0000	.0260	<.0000	1.139
#4	.0016	<.0000	<.0000	<.0000	.0235	<.0000	1.139

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0303	<.0000	3.577	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0051	.027	.0029	.0081	.0377	.0744
%RSD	1.015	48.22	.7666	95.19	41.11	219.2	79.08

#1	.0301	<.0000	3.563	<.0000	<.0000	.0339	<.0000
#2	.0301	<.0000	3.600	<.0000	<.0000	<.0000	<.0000
#3	.0301	<.0000	3.545	<.0000	<.0000	<.0000	<.0000
#4	.0307	<.0000	3.600	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3171	<.0000	<.0000	.0008
SDev	.5475	.0594	.0003	.0014
%RSD	172.7	190.7	10.91	183.6

#1	.0359	.0435	<.0000	.0003
#2	.0433	<.0000	<.0000	.0009
#3	1.138	<.0000	<.0000	.0026
#4	.0508	<.0000	<.0000	<.0000

Analysis Report

11/20/01 02:06:27 PM

page 1

Method: IECW Sample Name: 26847

Operator: it

Run time: 11/20/01 14:04:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.1032	.0137	.0273	<.0000	24.17
SDev	.0007	.0057	.0140	.0021	.0004	.0000	.04
%RSD	16.01	28.59	13.60	15.69	1.495	28.57	.1805

#1	<.0000	<.0000	.1045	.0127	.0277	<.0000	24.18
#2	<.0000	<.0000	.0832	.0112	.0270	<.0000	24.13
#3	<.0000	<.0000	.1099	.0146	.0269	<.0000	24.22
#4	<.0000	<.0000	.1153	.0161	.0277	<.0000	24.14

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0007	<.0000	.0491	.9099	8.062
SDev	.0002	.0006	.0004	.0004	.0010	.2268	.020
%RSD	46.73	23.51	54.74	22.37	2.129	24.93	.2458

#1	<.0000	<.0000	.0004	<.0000	.0504	1.050	8.054
#2	<.0000	<.0000	.0004	<.0000	.0491	.6999	8.039
#3	<.0000	<.0000	.0012	<.0000	.0478	1.155	8.068
#4	<.0000	<.0000	.0008	<.0000	.0491	.7349	8.085

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0508	<.0000	27.00	.0024	<.0000	<.0000	.0247
SDev	.0003	.0068	.11	.0046	.0139	.0147	.0670
%RSD	.6987	287.4	.4029	194.2	146.6	80.35	271.0

#1	.0505	.0019	27.07	.0054	.0052	<.0000	.1102
#2	.0511	<.0000	27.10	.0043	<.0000	<.0000	<.0000
#3	.0511	.0044	26.86	<.0000	<.0000	<.0000	<.0000
#4	.0505	<.0000	26.97	.0043	<.0000	<.0000	.0451

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.7543	.0422	<.0000	.0003
SDev	.0312	.0324	.0003	.0003
%RSD	4.134	76.89	13.20	114.0

#1	.7209	.0455	<.0000	.0006
#2	.7432	.0065	<.0000	.0000
#3	.7951	.0325	<.0000	.0000
#4	.7580	.0844	<.0000	.0006

Analysis Report

11/20/01 02:10:27 PM

page 1

Method: IECW Sample Name: 26982

Operator: it

Run time: 11/20/01 14:08:42

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0331	.0033	.0137	<.0000	5.767
SDev	.0008	.0037	.0463	.0020	.0004	.0001	.014
%RSD	22.92	72.57	140.1	62.22	2.962	38.49	.2398

#1	<.0000	<.0000	.0584	.0019	.0134	<.0000	5.758
#2	<.0000	<.0000	.0849	.0024	.0141	<.0000	5.765
#3	<.0000	<.0000	<.0000	.0024	.0134	<.0000	5.758
#4	<.0000	<.0000	.0024	.0063	.0141	<.0000	5.787

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0059	.0384	<.0000	1.260
SDev	.0000	.0013	.0016	.0007	.0012	.2609	.011
%RSD	.0443	38.87	245.0	12.25	3.178	85.20	.8868

#1	<.0000	<.0000	<.0000	.0049	.0374	<.0000	1.243
#2	<.0000	<.0000	.0012	.0064	.0400	<.0000	1.266
#3	<.0000	<.0000	<.0000	.0057	.0374	<.0000	1.263
#4	<.0000	<.0000	.0000	.0064	.0387	.0700	1.266

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0287	<.0000	7.337	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0032	.035	.0050	.0059	.0321	.0428
%RSD	2.043	50.94	.4838	355.2	62.08	93.72	333.5

#1	.0283	<.0000	7.342	<.0000	<.0000	<.0000	<.0000
#2	.0289	<.0000	7.371	<.0000	<.0000	<.0000	.0319
#3	.0283	<.0000	7.287	<.0000	<.0000	<.0000	.0157
#4	.0295	<.0000	7.347	.0038	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.3039	<.0000	<.0000	.0010
SDev	.0308	.0825	.0010	.0005
%RSD	10.14	3860.	37.08	51.88

#1	.3104	.0434	<.0000	.0009
#2	.3363	<.0000	<.0000	.0015
#3	.2621	.0303	<.0000	.0003
#4	.3066	.0433	<.0000	.0015

Analysis Report

11/20/01 02:12:54 PM

page 1

Method: IECW Sample Name: 26983

Run time: 11/20/01 14:11:09

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0430	.0017	.0139	<.0000	5.765
SDev	.0002	.0097	.0644	.0006	.0003	.0000	.007
%RSD	9.177	149.1	149.5	37.61	2.540	66.67	.1283

#1	<.0000	<.0000	<.0000	.0024	.0141	<.0000	5.776
#2	<.0000	.0054	.0821	.0014	.0141	.0000	5.763
#3	<.0000	<.0000	.0877	.0009	.0141	<.0000	5.759
#4	<.0000	<.0000	.0531	.0019	.0134	<.0000	5.763

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0271	.0610	<.0000	1.257
SDev	.0009	.0009	.0007	.0013	.0022	.1903	.008
%RSD	89.92	59.28	149.3	4.803	3.622	80.58	.6612

#1	<.0000	<.0000	<.0000	.0268	.0630	<.0000	1.246
#2	<.0000	<.0000	.0004	.0290	.0630	.0350	1.263
#3	<.0000	<.0000	<.0000	.0268	.0591	<.0000	1.255
#4	<.0000	<.0000	<.0000	.0260	.0591	<.0000	1.263

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0247	<.0000	7.078	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0024	.029	.0051	.0150	.0286	.0556
%RSD	1.241	25.29	.4072	108.3	72.64	485.7	632.6

#1	.0252	<.0000	7.113	<.0000	<.0000	.0225	<.0000
#2	.0246	<.0000	7.061	<.0000	<.0000	<.0000	<.0000
#3	.0246	<.0000	7.049	<.0000	.0017	<.0000	.0482
#4	.0246	<.0000	7.088	.0005	<.0000	<.0000	.0157

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.3122	<.0000	<.0000	.0003
SDev	.0468	.0411	.0014	.0005
%RSD	14.99	474.2	83.10	138.2

#1	.2844	.0303	<.0000	.0009
#2	.3809	.0173	.0004	.0003
#3	.3029	<.0000	<.0000	<.0000
#4	.2807	<.0000	<.0000	.0003

Analysis Report

11/20/01 02:15:17 PM

page 1

Method: IECW Sample Name: 26984

Operator: it

Run Time: 11/20/01 14:13:32

Comment:

Mode: LUNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0278	.0028	.0171	<.0000	5.429
SDev	.0011	.0063	.0200	.0007	.0003	.0000	.006
%RSD	55.16	136.3	71.99	25.86	2.065	40.00	.1083

#1	<.0000	<.0000	.0238	.0034	.0169	<.0000	5.434
#2	<.0000	<.0000	.0079	.0025	.0176	<.0000	5.425
#3	<.0000	<.0000	.0239	.0034	.0169	<.0000	5.423
#4	<.0000	.0037	.0556	.0020	.0169	<.0000	5.434

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0003	.0091	.0253	<.0000	1.188
SDev	.0012	.0012	.0008	.0013	.0030	.0827	.009
%RSD	394.1	156.3	290.6	14.34	11.99	35.01	.7699

#1	<.0000	.0006	.0013	.0087	.0273	<.0000	1.177
#2	.0011	<.0000	.0001	.0080	.0209	<.0000	1.194
#3	<.0000	<.0000	<.0000	.0087	.0260	<.0000	1.185
#4	<.0000	<.0000	.0005	.0110	.0273	<.0000	1.197

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0255	<.0000	6.449	<.0000	<.0000	<.0000	.0157
SDev	.0003	.0045	.022	.0052	.0117	.0301	.0399
%RSD	1.390	60.23	.3409	233.8	151.2	512.5	253.9

#1	.0258	<.0000	6.452	<.0000	.0017	<.0000	<.0000
#2	.0252	<.0000	6.419	.0016	<.0000	<.0000	.0320
#3	.0258	<.0000	6.454	.0016	<.0000	<.0000	<.0000
#4	.0252	<.0000	6.472	<.0000	.0017	.0339	.0645

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2789	<.0000	<.0000	.0067
SDev	.0204	.0429	.0003	.0008
%RSD	7.327	137.4	15.02	12.66

#1	.2919	<.0000	<.0000	.0072
#2	.2696	<.0000	<.0000	.0072
#3	.2548	.0175	<.0000	.0072
#4	.2993	<.0000	<.0000	.0055

Analysis Report

11/20/01 02:17:21 PM

page 1

Method: IECW Sample Name: 26985

Operator: it

Run Time: 11/20/01 14:15:36

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0192	.0015	.0157	<.0000	5.645
SDev	.0007	.0033	.0363	.0016	.0003	.0000	.020
%RSD	16.76	23.63	188.9	109.7	2.239	28.57	.3528

#1	<.0000	<.0000	.0532	.0034	.0155	<.0000	5.643
#2	<.0000	<.0000	<.0000	.0015	.0155	<.0000	5.626
#3	<.0000	<.0000	.0319	.0015	.0155	<.0000	5.637
#4	<.0000	<.0000	.0238	<.0000	.0162	<.0000	5.673

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0078	.0470	<.0000	1.232
SDev	.0005	.0016	.0016	.0009	.0024	.2475	.011
%RSD	88.66	124.4	98.21	12.20	5.208	41.59	.8861

#1	<.0000	<.0000	<.0000	.0064	.0489	<.0000	1.217
#2	<.0000	<.0000	<.0000	.0080	.0489	<.0000	1.234
#3	<.0000	<.0000	<.0000	.0087	.0464	<.0000	1.234
#4	<.0000	<.0000	<.0000	.0080	.0438	<.0000	1.243

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0395	<.0000	6.893	.0013	<.0000	<.0000	<.0000
SDev	.0006	.0051	.048	.0041	.0099	.0171	.1240
%RSD	1.489	45.93	6982	317.0	72.16	85.02	20660.

#1	.0349	<.0000	6.873	.0016	<.0000	<.0000	<.0000
#2	.0349	<.0000	6.840	<.0000	<.0000	<.0000	<.0000
#3	.0387	<.0000	6.905	.0071	<.0000	<.0000	.0157
#4	.0393	<.0000	6.953	<.0000	<.0000	<.0000	.1622

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.2260	<.0000	<.0000	.0032
SDev	.0363	.0613	.0008	.0005
%RSD	16.05	1147.	20.60	14.58

#1	.2214	<.0000	<.0000	.0032
#2	.1916	<.0000	<.0000	.0026
#3	.2139	.0823	<.0000	.0032
#4	.2770	<.0000	<.0000	.0037

Analysis Report

11/20/01 02:23:59 PM

page 1

Method: JECW Sample Name: ipc

Operator: it

Run Time: 11/20/01 14:22:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4950 ✓	.9478 ✓	.0507	1.007	1.033 ✓	.9874 ✓	1.019 ✓
SDev	.0025	.0036	.0629	.004	.003	.0030	.004
%RSD	.5010	.3820	124.0	.3908	.2818	.3004	.3657

#1	.4920	.9426	.1014	1.005	1.029	.9848	1.015
#2	.4948	.9490	.0481	1.008	1.033	.9880	1.022
#3	.4981	.9508	.0906	1.012	1.036	.9914	1.022
#4	.4953	.9490	<.0000	1.004	1.033	.9855	1.018

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	1.026 ✓	1.015 ✓	.9888 ✓	1.016 ✓	.9983 ✓	<.0000	.9817 ✓
SDev	.007	.002	.0031	.005	.0064	.2399	.0069
%RSD	.6525	.1559	.3150	.4464	.6382	37.06	.7013

#1	1.021	1.014	.9867	1.010	.9942	<.0000	.9774
#2	1.032	1.018	.9859	1.016	.9993	<.0000	.9861
#3	1.032	1.015	.9927	1.020	1.007	<.0000	.9890
#4	1.021	1.015	.9899	1.018	.9929	<.0000	.9745

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	1.015 ✓	.9931 ✓	1.068 ✓	1.015 ✓	.9925	1.014	.0032
SDev	.002	.0062	.022	.011	.0193	.038	.0639
%RSD	.2386	.6202	2.031	1.055	1.947	3.717	1061.

#1	1.015	.9900	1.065	1.005	.9676	.9855	.0114
#2	1.015	.9900	1.038	1.030	1.002	1.020	<.0000
#3	1.017	1.002	1.085	1.011	1.012	1.065	.0439
#4	1.011	.9900	1.085	1.014	.9882	.9855	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	.3498	1.029	1.012 ✓	1.013 ✓
SDev	.0164	.038	.003	.004
%RSD	4.703	3.717	.2936	.3499

#1	.3331	.9768	1.010	1.017
#2	.3405	1.042	1.014	1.012
#3	.3702	1.029	1.015	1.013
#4	.3554	1.068	1.010	1.009

Analysis Report

11/20/01

3:05 PM

Page 1

Method: IECW Sample Name: CB

Operator: IT

Run time: 11/20/01 14:24.21

Comment:

Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2196	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	.0002	.0028	<.0000	.0006	<.0000
SD	.0015	.0065	.0359	.0017	.0000	.0002	.0022
%RSD	116.4	64.04	14680.	61.79	.4808	42.06	32.93

#1	.0000	<.0000	.0087	.0038	<.0000	.0009	<.0000
#2	.0000	<.0000	<.0000	.0052	<.0000	.0006	<.0000
#3	<.0000	<.0000	<.0000	.0015	<.0000	.0005	<.0000
#4	<.0000	<.0000	.0303	.0018	<.0000	.0003	<.0000

Elem	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0000	<.0000	.0000	.0005	<.0000	<.0000
SD	.0016	.0019	.0000	.0011	.0016	.0124
%RSD	537.0	.86.2	68.81	29.76	85.69	63.13

#1	<.0000	.0016	.0000	.0043	.0026	<.0000
#2	.0012	<.0000	.0000	.0036	.0038	<.0000
#3	<.0000	.0005	.0000	.0043	.0013	<.0000
#4	<.0000	<.0000	.0000	.0021	.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0002	.0093	<.0000	.0022	<.0000	<.0000	<.0000
SD	.0005	.0089	.0193	.0054	.0103	.0234	.0384
%RSD	324.9	95.71	172.5	246.0	70.27	55.04	85.94

#1	.0008	.0222	<.0000	.0019	<.0000	<.0000	<.0000
#2	<.0000	.0074	<.0000	.0030	<.0000	<.0000	<.0000
#3	.0002	.0049	.0146	<.0000	<.0000	<.0000	<.0000
#4	.0002	.0025	<.0000	.0085	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	<.0000	<.0000	<.0000	.0011
SD	.0272	.0402	.0015	.0005
%RSD	9.242	112.7	91.48	47.87

#1	<.0000	<.0000	<.0000	.0004
#2	<.0000	<.0000	<.0000	.0016
#3	<.0000	.0195	<.0000	.0010
#4	<.0000	<.0000	<.0000	.0016

Analysis Report

11/20/01 02:33:17 PM

page 1

Method: IECW Sample Name: 1fb

Operator: it

Run Time: 11/20/01 14:51:32

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0029	.2291	.2795	.2853	.2665	.0498	.0198
SD	.0010	.0044	.0221	.0025	.0007	.0001	.0020
%RSD	35.48	1.908	7.910	.8665	.2537	.1663	10.02
#1	.0014	.2282	.2849	.2875	.2674	.0498	.0172
#2	.0037	.2355	.3061	.2821	.2660	.0496	.0192
#3	.0033	.2263	.2529	.2870	.2660	.0498	.0213
#4	.0033	.2263	.2742	.2845	.2667	.0498	.0213
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.1062	.1038	.2495	.2766	.2611	<.0000	<.0000
SD	.0016	.0002	.0032	.0007	.0022	.1439	.0097
%RSD	1.504	.1899	1.294	.2606	.8470	8.025	33.56
#1	.1080	.1036	.2515	.2775	.2605	<.0000	<.0000
#2	.1047	.1040	.2523	.2760	.2605	<.0000	<.0000
#3	.1051	.1038	.2451	.2760	.2643	<.0000	<.0000
#4	.1071	.1036	.2491	.2767	.2592	<.0000	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2580	.0972	.0858	.2615	.2243	.2521	.3001
SD	.0014	.0059	.0115	.0118	.0136	.0299	.0094
%RSD	.5276	6.036	13.46	4.499	6.052	11.86	3.134
#1	.2597	.0910	.0926	.2790	.2183	.2266	.2920
#2	.2584	.1009	.0946	.2538	.2354	.2379	.2919
#3	.2566	.0935	.0868	.2571	.2355	.2493	.3082
#4	.2572	.1033	.0692	.2560	.2079	.2947	.3082
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avg	<.0000	.3112	.0996	.2638			
SD	.0160	.0249	.0009	.0021			
%RSD	5.037	7.992	.9096	.8127			
#1	<.0000	.2917	.1000	.2616			
#2	<.0000	.3437	.1000	.2634			
#3	<.0000	.2917	.1000	.2668			
#4	<.0000	.3177	.0982	.2634			

Analysis Report

11/20/01 02:41:20 PM

page 1

Method: IECW Sample Name: lfb rerun for Ag Operator: it
 Run Time: 11/20/01 14:33:55
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0205	.2177	.2201	.2439	.2526	.0471	.0277
SDev	.0005	.0085	.0287	.0034	.0007	.0001	.0017
%RSD	2.624	3.803	13.06	1.390	.2675	.2633	6.029

#1	.0210	.2209	.2360	.2404	.2520	.0472	.0285
#2	.0200	.2228	.1907	.2477	.2534	.0470	.0252
#3	.0200	.2054	.2016	.2419	.2520	.0473	.0287
#4	.0210	.2219	.2520	.2458	.2527	.0470	.0285

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0993	.0994	.2373	.2599	.2477	<.0000	<.0000
SDev	.0032	.0018	.0012	.0007	.0040	.0716	.0086
%RSD	3.228	1.767	.5217	.2771	1.630	6.442	26.47

#1	.1037	.1000	.2367	.2609	.2528	<.0000	<.0000
#2	.0969	.1003	.2391	.2594	.2490	<.0000	<.0000
#3	.0998	.0968	.2363	.2601	.2451	<.0000	<.0000
#4	.0969	.1006	.2371	.2594	.2439	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2468	.1039	.0584	.2412	.2045	.2596	.2278
SDev	.0011	.0043	.0144	.0065	.0207	.0146	.0542
%RSD	.4541	4.104	24.67	2.711	10.12	5.621	23.79

#1	.2461	.1026	.0604	.2429	.1847	.2540	.2196
#2	.2474	.1100	.0565	.2472	.2329	.2766	.3013
#3	.2480	.1027	.0760	.2429	.2054	.2427	.1706
#4	.2455	.1002	.0409	.2319	.1950	.2653	.2196

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.0446	.3067	.0949	.2550
SDev	.0133	.0776	.0010	.0003
%RSD	29.88	25.30	1.087	.1114

#1	.0446	.3455	.0944	.2551
#2	.0410	.3972	.0938	.2551
#3	.0304	.2420	.0950	.2551
#4	.0624	.2420	.0962	.2545

Analysis Report

11/20/01 02:43:36 PM

page 1

Method: IFCW Sample Name: lrp

Operator: it

Run Time: 11/20/01 14:41:50

Comment:

Model: JUNG Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0017 <i>2.002</i>	.0041 <i>20.05</i>	<.0000	<.0000	.0004	.0000	.0031 <i>21</i>
SD	.0007	.0053	.0524	.0013	.0004	.0000	.0014
%RSD	40.00	128.8	535.9	50.32	115.6	.0000	44.06

#1	.0023	.0000	<.0000	<.0000	.0007	.0000	.0020
#2	.0023	.0112	.0392	<.0000	.0007	.0000	.0020
#3	.0014	.0030	<.0000	<.0000	<.0000	.0000	.0035
#4	.0009	.0039	<.0000	<.0000	<.0000	.0000	.0048

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	.0013 <i>2.002</i>	.0013 <i>20.02</i>	.7466	.0022 <i>21</i>
SD	.0015	.0012	.0013	.0000	.0021	.3262	.0060
%RSD	632.1	118.6	104700.	.0060	163.5	43.69	275.1

#1	<.0000	<.0000	<.0000	.0013	<.0000	.3559	.0101
#2	<.0000	.0002	.0000	.0013	.0013	.7379	<.0000
#3	.0017	<.0000	.0016	.0013	.0013	1.155	.0014
#4	.0002	<.0000	<.0000	.0013	.0038	.7379	.0014

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0002 <i>2</i>	.0037 <i>20.5</i>	.0156 <i>21</i>	.0038 <i>2.002</i>	<.0000	<.0000	<.0000
SD	.0005	.0024	.0145	.0036	.0063	.0407	.0659
%RSD	327.2	63.94	93.00	94.39	34.78	143.1	107.5

#1	.0008	.0068	.0351	.0063	<.0000	<.0000	<.0000
#2	.0002	.0018	.0136	.0019	<.0000	.0283	<.0000
#3	<.0000	.0043	.0000	<.0000	<.0000	.0170	<.0000
#4	.0002	.0018	.0136	.0074	<.0000	.0056	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	.0196	.0711	.0008 <i>2</i>	.0014 <i>2.002</i>
SD	.0439	.0572	.0006	.0003
%RSD	224.2	52.23	76.61	19.99

#1	<.0000	.0485	.0003	.0013
#2	<.0000	.1261	.0003	.0018
#3	.0123	.0485	.0015	.0013
#4	.0837	.0614	.0009	.0013

Analysis Report

11/20/01 01:46:02 PM

page 1

Method: IEDW Sample Name: 7c98a

Operator: it

Run Time: 11/20/01 14:46:12

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be5130	Ca3179
Avg	<.0000	.0013	.0197	.0036	.0149	<.0000	5.831
SDev	.0007	.0031	.0359	.0017	.0000	.0000	.007
%RSD	33.70	237.4	182.1	47.81	.0073	200.0	.1178

#1	<.0000	.0000	.0000	.0036	.0149	<.0000	5.834
#2	<.0000	.0031	<.0000	.0046	.0149	.0000	5.829
#3	<.0000	.0022	.0730	.0012	.0149	<.0000	5.840
#4	<.0000	.0031	.0090	.0051	.0149	<.0000	5.824

Elem	Ca2286	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0004	<.0000	.0003	.0104	.0486	<.0000	1.276
SDev	.0016	.0006	.0006	.0007	.0026	.1473	.019
%RSD	393.3	35.29	178.4	6.934	5.427	154.3	1.517

#1	.0000	<.0000	.0008	.0110	.0463	.0434	1.303
#2	.0011	<.0000	.0000	.0110	.0464	<.0000	1.274
#3	.0021	<.0000	.0008	.0094	.0502	.0087	1.271
#4	.0002	<.0000	<.0000	.0102	.0515	<.0000	1.256

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0448	<.0000	7.408	.0019	<.0000	.0196	<.0000
SDev	.0005	.0037	.041	.0044	.0103	.0057	.0828
%RSD	1.116	97.65	.5550	235.7	38.70	28.93	83.86

#1	.0454	<.0000	7.434	.0071	<.0000	.0281	<.0000
#2	.0442	<.0000	7.360	.0038	<.0000	.0168	<.0000
#3	.0448	<.0000	7.449	<.0000	<.0000	.0168	<.0000
#4	.0448	.0018	7.389	<.0000	<.0000	.0168	.0075

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	.6289	.0625	<.0000	.0029
SDev	.0118	.0427	.0009	.0011
%RSD	1.875	68.36	63.51	39.30

#1	.6120	.1239	<.0000	.0035
#2	.6370	.0334	<.0000	.0035
#3	.6370	.0334	<.0000	.0012
#4	.6299	.0593	<.0000	.0035

Analysis Report

11/20/01 02:50:10 PM

page 1

Method: IECW Sample Name: 269861ab dup

Operator: it

Run Time: 11/20/01 14:48:16

Comment:

Mode: LUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000 0	<.0000 0.0013	.0117	.0039	.0148 0.0149	<.0000 0	5.793 5.831
SD	.0017	.0054	.0108	.0012	.0003	.0001	.014
%RSD	86.96	1801.	92.18	29.89	2.394	53e6	.2479

#1	<.0000	<.0000	.0091	.0031	.0150	<.0000	5.780
#2	<.0000	<.0000	.0064	.0038	.0150	.0000	5.782
#3	<.0000	.0077	.0276	.0056	.0149	.0000	5.809
#4	<.0000	<.0000	.0038	.0031	.0142	<.0000	5.801

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000 0.0004	<.0000 0	<.0000 0.0003	.0094 0.0104	.0502 0.0486	<.0000	1.274 1.276
SD	.0020	.0009	.0012	.0011	.0010	.2447	.017
%RSD	3140.	36.35	154.5	11.26	2.084	76.19	1.299

#1	<.0000	<.0000	<.0000	.0087	.0515	<.0000	1.259
#2	<.0000	<.0000	.0008	.0110	.0502	.0434	1.262
#3	.0016	<.0000	<.0000	.0094	.0502	<.0000	1.294
#4	.0016	<.0000	<.0000	.0087	.0489	<.0000	1.282

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0444 0.0448	<.0000 0	7.370 7.408	.0049 0.0019	<.0000	.0281	<.0000
SD	.0006	.0031	.048	.0042	.0160	.0277	.0928
%RSD	1.324	3513.	.6456	85.93	60.05	98.73	317.2

#1	.0436	<.0000	7.436	.0104	<.0000	<.0000	.0239
#2	.0448	<.0000	7.373	.0016	<.0000	.0281	<.0000
#3	.0442	.0042	7.346	.0016	<.0000	.0281	<.0000
#4	.0448	<.0000	7.326	.0060	<.0000	.0620	.0729

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	.6512	.0205	<.0000 0	.0025 0.0029
SD	.0425	.0761	.0009	.0012
%RSD	6.520	372.2	63.52	47.47

#1	.7011	<.0000	<.0000	.0012
#2	.6583	.0205	<.0000	.0023
#3	.6476	.1239	<.0000	.0040
#4	.5978	<.0000	<.0000	.0023

Analysis Report

11/20/01 02:56:58 PM

page 1

Method: IECW Sample Name: 26986spk

Operator: it

Run Time: 11/20/01 14:55:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0233 <i>0</i>	.2321 <i>0.0013</i>	.2576 <i>92%</i>	.2531	.2668 <i>0.0149</i>	.0475 <i>0</i>	5.689 <i>NA</i>
SDev	.0009	.0086	.0265	.0026	.0007	.0001	.007
%RSD	3.781	3.717	10.22	1.012	.2534	.1666	.1144

#1	.0232	.2266	.2910	.2546	.2670	.0475	5.683
#2	.0227	.2275	.2297	.2493	.2677	.0476	5.689
#3	.0246	.2449	.2481	.2546	.2663	.0476	5.698
#4	.0227	.2294	.2696	.2537	.2663	.0474	5.686

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1022 <i>0.0004</i>	.0991 <i>0</i>	.2393 <i>0.0003</i>	.2594 <i>0.0101</i>	.2915 <i>0.0186</i>	.0000	1.262 <i>NA</i>
SDev	.0017	.0018	.0014	.0007	.0023 <i>97%</i>	.3287	.003
%RSD	1.684	1.810	.5696	.2776	.8000	172.1	.2642

#1	.1022	.1014	.2379	.2585	.2941	<.0000	1.259
#2	.1046	.0971	.2395	.2600	.2889	.0087	1.265
#3	.1012	.0986	.2411	.2600	.2928	.0781	1.259
#4	.1007	.0993	.2387	.2592	.2902	<.0000	1.265

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2911 <i>0.0448</i>	.0989 <i>0</i>	7.221 <i>7.408 NA</i>	.2472 <i>0.0049</i>	.2217	.2587	.1944
SDev	.0006	.0043	.027	.0080	.0065	.0092	.0658
%RSD	.2108	4.312	.3795	3.243	2.938	3.635	28.72

#1	.2908	.1001	7.209	.2360	.2260	.2537	.1372
#2	.2920	.1001	7.221	.2524	.2260	.2424	.2680
#3	.2908	.1025	7.194	.2535	.2122	.2650	.2025
#4	.2908	.0927	7.258	.2469	.2225	.2537	.1699

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6655	.2786	.0966 <i>0</i>	.2499 <i>0.0029</i>
SDev	.0312	.0461	.0006	.0026
%RSD	3.182	16.53	.5985	1.033

#1	.6726	.3433	.0962	.2499
#2	.6583	.2527	.0974	.2533
#3	.6904	.2398	.0962	.2471
#4	.6405	.2786	.0968	.2493

Analysis Report

11/20/01 02:59:35 PM

page 1

Method: IECW Sample Name: 26987

Run Time: 11/20/01 14:57:50

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0424	.0009	.0158	<.0000	6.086
SDev	.0010	.0076	.0317	.0012	.0003	.0000	.017
%RSD	41.48	94.03	74.73	132.0	2.232	.0000	.2754

#1	<.0000	<.0000	.0064	<.0000	.0156	<.0000	6.110
#2	<.0000	<.0000	.0412	.0012	.0156	<.0000	6.072
#3	<.0000	<.0000	.0836	.0012	.0163	<.0000	6.085
#4	<.0000	<.0000	.0384	.0022	.0156	<.0000	6.077

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0217	.0505	<.0000	1.359
SDev	.0025	.0003	.0004	.0004	.0012	.1460	.015
%RSD	274.5	14.16	189.5	1.737	2.423	25.87	1.076

#1	.0007	<.0000	<.0000	.0215	.0489	<.0000	1.363
#2	.0002	<.0000	<.0000	.0215	.0514	<.0000	1.366
#3	.0002	<.0000	<.0000	.0215	.0514	<.0000	1.369
#4	<.0000	<.0000	<.0000	.0222	.0501	<.0000	1.337

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0233	.0061	6.673	.0016	<.0000	<.0000	<.0000
SDev	.0000	.0042	.016	.0024	.0099	.0146	.0711
%RSD	.0038	69.26	.2349	149.8	60.77	6967.	242.7

#1	.0233	.0116	6.665	.0027	<.0000	.0168	<.0000
#2	.0233	.0018	6.667	.0038	<.0000	<.0000	<.0000
#3	.0233	.0067	6.697	.0016	<.0000	<.0000	.0075
#4	.0233	.0042	6.664	<.0000	<.0000	.0055	.0402

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.5718	.0203	<.0000	.0087
SDev	.0228	.0871	.0016	.0003
%RSD	3.984	428.6	71.39	3.265

#1	.5620	<.0000	<.0000	.0086
#2	.5477	<.0000	<.0000	.0086
#3	.6012	.0462	<.0000	.0086
#4	.5763	.1238	<.0000	.0091

Analysis Report

11/20/01 03:02:14 PM

page 1

Method: IECW Sample Name: 26988

Run time: 11/20/01 15:00:29

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0224	.0036	.0171	<.0000	5.725
SDev	.0006	.0053	.0350	.0018	.0000	.0000	.016
%RSD	22.66	188.8	155.9	50.24	.0110	.0000	.2800

#1	<.0000	<.0000	<.0000	.0061	.0171	<.0000	5.715
#2	<.0000	.0041	.0623	.0031	.0171	<.0000	5.739
#3	<.0000	<.0000	.0412	.0036	.0171	<.0000	5.707
#4	<.0000	<.0000	<.0000	.0017	.0171	<.0000	5.739

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	.0300	.0639	<.0000	1.201
SDev	.0011	.0022	.0009	.0007	.0038	.2395	.014
%RSD	197.0	101.6	71.77	2.404	5.960	59.98	1.184

#1	.0021	<.0000	<.0000	.0305	.0681	<.0000	1.196
#2	<.0000	<.0000	<.0000	.0305	.0655	<.0000	1.222
#3	.0002	.0001	<.0000	.0298	.0592	<.0000	1.196
#4	.0002	<.0000	<.0000	.0290	.0630	<.0000	1.190

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0312	<.0000	6.721	.0057	<.0000	.0139	<.0000
SDev	.0006	.0037	.031	.0030	.0117	.0142	.0771
%RSD	1.884	4416.	.4570	52.73	48.61	102.1	174.5

#1	.0307	.0018	6.728	.0093	<.0000	.0168	.0000
#2	.0313	<.0000	6.697	.0027	<.0000	.0168	.0075
#3	.0307	<.0000	6.697	.0071	<.0000	.0000	<.0000
#4	.0319	.0042	6.761	.0038	<.0000	.0281	<.0000

Elem	Si2881	Ti1906	V_2924	Zn2_38
Avge	.4287	.0414	.0000	.0128
SDev	.0181	.0772	.0006	.0003
%RSD	4.231	186.1	71.51	2.560

#1	.4545	.0106	.0000	.0131
#2	.4165	.0314	<.0000	.0125
#3	.4198	.0276	<.0000	.0131
#4	.4234	.0982	<.0000	.0125

11/20/01 15:13:17 PM

11/20/01 15:13:17 PM

404

Method: IECW Sample Name: 11-44

Operator: 11

Run Time: 11/20/01 15:13:17

Comment:

Mode: CONC - 100% - 2000000



Elem	Hg2180	Hg2082	Hg2146	Pb2107	Pb2134	Be3130	Ca3179
Avge	<.0000	.0000	.0086	.0118	.0285	<.0000	24.01
SDev	.0010	.0059	.0125	.0020	.0000	.0000	.06
%RSD	31.54	44.10	39.02	16.59	.0221	66.67	.2446

#1	.0000	.0000	.0793	.0129	.0285	<.0000	24.03
#2	<.0000	<.0000	.0552	.0110	.0286	<.0000	23.93
#3	.0000	<.0000	.1193	.0139	.0285	<.0000	24.07
#4	<.0000	<.0000	.1406	.0095	.0285	<.0000	24.01

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	.0009	<.0000	.0520	.8595	8.081
SDev	.0010	.0006	.0011	.0006	.0024	.1403	.027
%RSD	93.00	17.55	129.2	39.31	4.635	16.33	.3286

#1	.0003	<.0000	.0024	<.0000	.0504	.7379	8.090
#2	<.0000	<.0000	<.0000	<.0000	.0517	.7726	8.046
#3	<.0000	<.0000	.0008	<.0000	.0555	1.050	8.110
#4	<.0000	<.0000	.0008	<.0000	.0504	.8768	8.078

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0558	.0019	27.47	.0043	<.0000	.0044	<.0000
SDev	.0006	.0031	.14	.0032	.0086	.0160	.0353
%RSD	1.054	159.5	.5276	75.35	37.29	362.0	294.3

#1	.0554	.0063	27.56	.0065	<.0000	.0044	<.0000
#2	.0560	<.0000	27.41	.0010	<.0000	.0157	.0043
#3	.0554	.0013	27.62	.0021	<.0000	<.0000	.0207
#4	.0566	.0013	27.30	.0076	<.0000	.0157	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.8675	.0743	<.0000	.0013
SDev	.0178	.0549	.0008	.0013
%RSD	2.047	73.85	.32.46	98.29

#1	.8630	.1260	<.0000	.0003
#2	.8489	.0485	<.0000	.0031
#3	.8665	.1130	<.0000	.0009
#4	.8915	.0096	<.0000	.0009

Analysis Report

11/20/01 03:17:44 PM

page 1

Method: IECW Sample Name: 26992

Operator: it

Run Time: 11/20/01 15:15:59

Comment:

Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be5130	Ca3179
Avge	<.0000	<.0000	.0159	.0016	.0146	<.0000	5.770
SDev	.0006	.0039	.0260	.0007	.0004	.0000	.022
%RSD	23.09	36.72	163.6	46.01	2.789	.0000	.3732

#1	<.0000	<.0000	<.0000	.0007	.0150	<.0000	5.762
#2	<.0000	<.0000	.0173	.0022	.0150	<.0000	5.783
#3	<.0000	<.0000	.0252	.0022	.0142	<.0000	5.793
#4	<.0000	<.0000	.0411	.0012	.0142	<.0000	5.745

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0008	.0288	<.0000	1.269
SDev	.0007	.0015	.0015	.0008	.0022	.2589	.013
%RSD	394.6	118.2	179.1	94.13	7.570	51.42	1.008

#1	<.0000	<.0000	<.0000	.0012	.0298	<.0000	1.265
#2	.0007	.0006	.0012	.0012	.0310	<.0000	1.282
#3	.0002	<.0000	<.0000	.0012	.0259	<.0000	1.277
#4	<.0000	<.0000	<.0000	<.0000	.0285	<.0000	1.253

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0235	.0012	4.230	.0035	<.0000	.0055	<.0000
SDev	.0006	.0055	.038	.0057	.0101	.0207	.0245
%RSD	2.499	473.9	.9087	161.7	40.60	377.1	53.82

#1	.0227	<.0000	4.266	.0104	<.0000	<.0000	<.0000
#2	.0240	<.0000	4.182	<.0000	<.0000	.0168	<.0000
#3	.0234	.0067	4.256	<.0000	<.0000	<.0000	<.0000
#4	.0240	.0042	4.217	.0060	<.0000	.0281	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.2114	.0140	<.0000	.0019
SDev	.0438	.0224	.0010	.0003
%RSD	20.71	159.7	92.06	14.95

#1	.1490	.0205	<.0000	.0018
#2	.2131	<.0000	.0002	.0018
#3	.2381	.0205	<.0000	.0023
#4	.2452	.0335	<.0000	.0018

Analysis Report

11/20/01 03:20:03 PM

page 1

Method: IECW Sample Name: 26993

Run Time: 11/20/01 15:18:18

Comment:

Mode: CONC Corr. Factor: 1

Operator: it



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0199	.0011	.0143	<.0000	5.710
SDev	.0004	.0045	.0281	.0015	.0000	.0000	.008
%RSD	16.10	42.40	141.3	137.0	.0049	.0000	.1466

#1	<.0000	<.0000	.0493	<.0000	.0143	<.0000	5.708
#2	<.0000	<.0000	<.0000	.0002	.0143	<.0000	5.706
#3	<.0000	<.0000	<.0000	.0012	.0143	<.0000	5.704
#4	<.0000	<.0000	.0386	.0032	.0143	<.0000	5.722

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0006	.0307	<.0000	1.248
SDev	.0012	.0010	.0006	.0007	.0006	.1022	.008
%RSD	118.3	42.24	75.05	117.7	2.076	16.59	.6082

#1	.0002	<.0000	<.0000	.0012	.0311	<.0000	1.242
#2	<.0000	<.0000	.0000	.0012	.0310	<.0000	1.259
#3	<.0000	<.0000	<.0000	.0004	.0298	<.0000	1.248
#4	<.0000	<.0000	<.0000	<.0000	.0311	<.0000	1.245

Elem	Mn2576	Mo2020	Na5889	N12316	Pb2203	Sb2068	Se1960
Avge	.0240	<.0000	4.174	<.0000	<.0000	.0310	<.0000
SDev	.0005	.0083	.032	.0059	.0043	.0233	.0267
%RSD	2.089	1195.	.7739	96.71	12.59	75.39	46.15

#1	.0234	<.0000	4.186	<.0000	<.0000	.0281	<.0000
#2	.0240	.0116	4.128	.0005	<.0000	.0055	<.0000
#3	.0240	<.0000	4.182	<.0000	.0000	.0621	<.0000
#4	.0246	<.0000	4.202	<.0000	<.0000	.0281	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.2069	.0302	<.0000	.0012
SDev	.0182	.0592	.0006	.0008
%RSD	8.813	195.6	24.83	67.44

#1	.2096	.0206	<.0000	.0018
#2	.2310	.1111	<.0000	.0018
#3	.1882	<.0000	<.0000	.0001
#4	.1989	.0205	<.0000	.0012

Analysis Report

11/20/01 03:22:36 PM

page 1

Method: IECW Sample Name: 27007

Operator: it

Run Time: 11/20/01 15:20:51

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0008	.0144	<.0000	5.716
SDev	.0015	.0038	.0252	.0006	.0003	.0000	.008
%RSD	60.67	29.30	373.8	72.62	2.446	.0000	.1395

#1	<.0000	<.0000	.0279	.0017	.0143	<.0000	5.725
#2	<.0000	<.0000	<.0000	.0002	.0150	<.0000	5.717
#3	<.0000	<.0000	<.0000	.0007	.0143	<.0000	5.717
#4	<.0000	<.0000	<.0000	.0007	.0143	<.0000	5.705

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0002	<.0000	<.0000	.0029	.0387	<.0000	1.254
SDev	.0013	.0006	.0015	.0004	.0021	.2620	.012
%RSD	729.3	25.78	162.7	13.11	5.391	39.71	.9652

#1	<.0000	<.0000	<.0000	.0027	.0362	<.0000	1.251
#2	.0011	<.0000	<.0000	.0034	.0387	<.0000	1.253
#3	.0007	<.0000	<.0000	.0027	.0387	.0000	1.271
#4	.0007	<.0000	.0005	.0027	.0413	<.0000	1.242

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0247	<.0000	7.435	.0016	<.0000	.0083	<.0000
SDev	.0008	.0058	.030	.0036	.0188	.0108	.0805
%RSD	3.119	7458.	.3996	223.0	87.64	130.3	130.0

#1	.0240	<.0000	7.469	.0016	<.0000	<.0000	.0076
#2	.0246	<.0000	7.447	<.0000	<.0000	.0168	.0076
#3	.0258	.0042	7.422	.0060	<.0000	.0055	<.0000
#4	.0246	.0042	7.401	.0016	<.0000	.0168	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.3681	.0561	<.0000	.0009
SDev	.0111	.0911	.0006	.0003
%RSD	3.010	162.4	24.82	36.14

#1	.3556	.1887	<.0000	.0006
#2	.3806	.0335	<.0000	.0012
#3	.3627	<.0000	<.0000	.0012
#4	.3735	.0205	<.0000	.0006

Analysis Report

11/20/01 03:25:01 PM

page 1

Method: 1ECW Sample Name: 27008

Operator: it

Run Time: 11/20/01 15:23:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0279	.0012	.0146	<.0000	5.793
SDev	.0014	.0091	.0291	.0014	.0004	.0000	.019
%RSD	35.91	64.72	104.2	117.6	2.800	.0000	.3294

#1	<.0000	<.0000	<.0000	.0007	.0150	<.0000	5.765
#2	<.0000	<.0000	.0226	.0012	.0142	<.0000	5.806
#3	<.0000	<.0000	.0385	.0032	.0142	<.0000	5.803
#4	<.0000	<.0000	.0597	<.0000	.0150	<.0000	5.799

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0291	<.0000	1.266
SDev	.0014	.0013	.0017	.0011	.0007	.4987	.005
%RSD	786.7	40.42	104.9	98.27	2.535	66.80	.3950

#1	<.0000	<.0000	<.0000	<.0000	.0298	<.0000	1.271
#2	.0002	<.0000	<.0000	<.0000	.0285	<.0000	1.271
#3	<.0000	<.0000	<.0000	<.0000	.0285	<.0000	1.262
#4	.0016	<.0000	.0008	.0004	.0298	<.0000	1.262

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0252	.0024	7.369	.0038	<.0000	.0055	<.0000
SDev	.0000	.0024	.023	.0057	.0178	.0131	.0327
%RSD	.0006	98.84	.3169	149.2	74.12	237.6	44.07

#1	.0252	.0042	7.342	<.0000	<.0000	<.0000	<.0000
#2	.0252	<.0000	7.399	.0016	<.0000	<.0000	<.0000
#3	.0252	.0042	7.371	.0060	<.0000	.0168	<.0000
#4	.0252	.0018	7.363	.0104	<.0000	.0168	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.3698	.0496	<.0000	.0009
SDev	.0453	.0637	.0003	.0007
%RSD	12.26	128.4	11.49	80.88

#1	.3449	.1240	<.0000	.0012
#2	.3271	<.0000	<.0000	.0006
#3	.3770	.0464	<.0000	.0001
#4	.4304	.0593	<.0000	.0018

Analysis Report

11/20/01 03:30:04 PM

page 1

Method: IECW Sample Name: 27009

Operator: it

Run Time: 11/20/01 15:28:19

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0006	.0041	.0144	<.0000	5.778
SDev	.0014	.0040	.0267	.0010	.0003	.0000	.010
%RSD	48.00	36.12	4827.	25.48	2.443	.0000	.1659
#1	<.0000	<.0000	<.0000	.0056	.0142	<.0000	5.787
#2	<.0000	<.0000	.0385	.0041	.0142	<.0000	5.765
#3	<.0000	<.0000	<.0000	.0037	.0142	<.0000	5.779
#4	<.0000	<.0000	<.0000	.0032	.0150	<.0000	5.781
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0005	<.0000	<.0000	.0063	.0374	<.0000	1.267
SDev	.0030	.0008	.0022	.0007	.0010	.1400	.011
%RSD	561.7	28.85	90.27	11.52	2.788	20.16	.8600
#1	<.0000	<.0000	<.0000	.0064	.0387	<.0000	1.256
#2	<.0000	<.0000	<.0000	.0057	.0374	<.0000	1.265
#3	.0021	<.0000	<.0000	.0057	.0361	<.0000	1.265
#4	.0040	<.0000	<.0000	.0072	.0374	<.0000	1.282
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0315	<.0000	7.604	<.0000	<.0000	.0196	<.0000
SDev	.0006	.0037	.044	.0024	.0160	.0057	.0661
%RSD	1.865	145.2	.5756	400.8	48.90	28.85	133.1
#1	.0313	<.0000	7.662	<.0000	<.0000	.0168	<.0000
#2	.0307	<.0000	7.556	.0027	<.0000	.0168	<.0000
#3	.0319	<.0000	7.592	<.0000	<.0000	.0281	.0076
#4	.0319	.0018	7.605	<.0000	<.0000	.0168	<.0000
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avge	.3788	.0625	<.0000	.0025			
SDev	.0180	.0340	.0003	.0012			
%RSD	4.759	54.37	14.07	47.46			
#1	.3663	.0464	<.0000	.0018			
#2	.3734	.0334	<.0000	.0035			
#3	.3699	.0593	<.0000	.0035			
#4	.4054	.1110	<.0000	.0012			

Analysis Report

11/20/01 03:32:17 PM

page 1

Method: IECW Sample Name: 27010

Operator: it

Run time: 11/20/01 15:30:32

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	.0002	<.0000	.0038	.0157	<.0000	5.606
SDev	.0015	.0024	.0398	.0012	.0000	.0000	.007
%RSD	102.3	1362.	190.3	32.40	.0050	200.0	.1313

#1	<.0000	.0004	.0064	.0056	.0157	.0000	5.611
#2	<.0000	<.0000	.0038	.0031	.0157	<.0000	5.608
#3	.0004	.0013	<.0000	.0031	.0157	<.0000	5.609
#4	<.0000	.0022	<.0000	.0032	.0157	<.0000	5.595

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0002	<.0000	<.0000	.0096	.0553	<.0000	1.251
SDev	.0018	.0026	.0002	.0004	.0044	.1891	.013
%RSD	1009.	107.9	42.47	3.901	7.998	87.15	1.055

#1	.0021	<.0000	<.0000	.0095	.0566	<.0000	1.265
#2	.0002	<.0000	<.0000	.0095	.0566	<.0000	1.236
#3	.0007	<.0000	<.0000	.0102	.0591	<.0000	1.245
#4	<.0000	.0004	<.0000	.0095	.0489	<.0000	1.259

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0260	.0024	7.098	.0041	<.0000	.0281	<.0000
SDev	.0003	.0012	.025	.0046	.0072	.0131	.0928
%RSD	1.184	51.81	.3509	113.0	43.81	46.53	317.1

#1	.0258	.0042	7.132	<.0000	<.0000	.0394	<.0000
#2	.0264	.0018	7.096	.0071	<.0000	.0168	<.0000
#3	.0258	.0018	7.071	.0060	<.0000	.0168	.0238
#4	.0258	.0018	7.095	.0060	<.0000	.0394	.0729

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	.3672	.0464	<.0000	.0050
SDev	.0304	.0709	.0008	.0014
%RSD	8.280	152.9	87.81	28.26

#1	.4090	.0593	<.0000	.0069
#2	.3699	.1369	<.0000	.0035
#3	.3485	<.0000	<.0000	.0046
#4	.3414	.0205	<.0000	.0052

Analysis Report

11/20/01 03:34:47 PM

page 1

Method: IECW Sample Name: Ipc

Operator: it

Run Time: 11/20/01 15:35:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4930 ✓	.9454 ✓	.0056	1.000	1.029 ✓	.9781 ✓	1.016 ✓
SDev	.0011	.0066	.0627	.010	.004	.0027	.002
%RSD	.2249	.7006	945.4	.9923	.4242	.2786	.2312

#1	.4923	.9369	<.0000	1.010	1.033	.9789	1.015
#2	.4928	.9507	.0042	.9946	1.028	.9776	1.015
#3	.4923	.9433	.0789	.9893	1.024	.9748	1.016
#4	.4946	.9507	<.0000	1.007	1.033	.9813	1.020

Elem	Ca2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	1.015 ✓	1.006 ✓	.9795 ✓	1.008 ✓	.9939 ✓	<.0000	.9810 ✓
SDev	.002	.006	.0033	.004	.0028	.2560	.0069
%RSD	.2164	.5672	.3352	.3684	.2847	42.73	.7004

#1	1.012	1.001	.9817	1.008	.9929	<.0000	.9738
#2	1.018	1.012	.9785	1.008	.9904	<.0000	.9767
#3	1.015	1.002	.9753	1.003	.9955	<.0000	.9854
#4	1.016	1.011	.9825	1.012	.9967	<.0000	.9883

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	1.006 ✓	.9645 ✓	1.084 ✓	1.003 ✓	.9709	1.018	<.0000
SDev	.003	.0105	.012	.003	.0258	.028	.0313
%RSD	.3190	1.090	1.074	.3274	2.656	2.779	147.2

#1	1.009	.9565	1.073	.9983	.9856	1.021	.0033
#2	1.003	.9786	1.101	1.005	.9374	.9873	<.0000
#3	1.002	.9565	1.081	1.005	.9649	1.010	.0032
#4	1.008	.9663	1.081	1.005	.9959	1.055	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.4861	1.092	1.006 ✓	1.006 ✓
SDev	.0379	.064	.002	.001
%RSD	7.787	5.883	.1766	.1081

#1	.4309	1.079	1.005	1.007
#2	.5164	1.170	1.008	1.006
#3	.4950	1.105	1.004	1.005
#4	.5021	1.015	1.007	1.007

Analysis Report

11/20/01 03:37:05 PM

page 1

Method: IECW Sample Name: CB

Operator: it

Run Time: 11/20/01 15:55:21

Comment:

Model: CONC Corr. Factor: 1

Elem	Ag3280 ✓	Al3082 ✓	As1936	B_2496	Ba4934 ✓	Be3130 ✓	Ca3179 ✓
Avge	.0009 ✓	<.0000 ✓	<.0000	.0006	.0005 ✓	.0005 ✓	.0011 ✓
SDev	.0014	.0102	.0441	.0015	.0003	.0002	.0032
%RSD	147.2	495.5	184.2	253.6	66.52	39.72	296.3

#1	.0023	<.0000	.0181	.0016	.0007	.0008	.0046
#2	.0019	.0030	<.0000	.0001	.0007	.0006	.0027
#3	.0000	.0094	.0072	<.0000	.0007	.0005	<.0000
#4	<.0000	<.0000	<.0000	.0021	.0000	.0003	<.0000

Elem	Cd2288	Co2286 ✓	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0006 ✓	<.0000 ✓	.0004 ✓	.0028 ✓	.0013 ✓	<.0000	<.0000 ✓
SDev	.0011	.0014	.0014	.0012	.0010	.2792	.0087
%RSD	177.3	649.4	352.7	43.54	81.64	119.1	150.0

#1	.0012	.0001	.0016	.0043	<.0000	<.0000	.0014
#2	<.0000	.0011	<.0000	.0028	.0026	<.0000	<.0000
#3	.0002	.0001	.0016	.0028	.0013	<.0000	.0014
#4	.0017	<.0000	<.0000	.0013	.0013	<.0000	<.0000

Elem	Mn2576 ✓	Mo2020	Na5889 ✓	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0005 ✓	.0142	.0000 ✓	.0025 ✓	<.0000	.0198	<.0000
SDev	.0003	.0049	.0176	.0060	.0084	.0325	.1020
%RSD	76.88	34.79	6696000. ✓	241.8	57.62	164.1	166.4

#1	.0002	.0215	.0097	.0074	<.0000	.0623	.0736
#2	.0008	.0117	.0019	<.0000	<.0000	.0170	<.0000
#3	.0008	.0117	.0136	.0074	<.0000	.0170	<.0000
#4	.0002	.0117	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924 ✓	Zn2138 ✓
Avge	<.0000	.0356	.0005 ✓	.0016 ✓
SDev	.0580	.0616	.0016	.0006
%RSD	52.95	173.1	350.6	36.37

#1	<.0000	.0226	.0027	.0024
#2	<.0000	<.0000	.0003	.0013
#3	<.0000	<.0000	<.0000	.0013
#4	<.0000	.1262	<.0000	.0013

Analysis Report

11/20/01 03:39:03 PM

page 1

Method: IECW Sample Name: 27011

Operator: it

Run Time: 11/20/01 15:37:18

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0072	.0025	.0144	<.0000	5.751
SDev	.0009	.0098	.0191	.0021	.0003	.0001	.012
%RSD	40.76	124.6	265.9	81.88	2.440	53e6	.2055

#1	<.0000	<.0000	.0013	.0032	.0142	.0000	5.740
#2	<.0000	<.0000	.0332	.0002	.0142	.0000	5.745
#3	<.0000	.0004	.0064	.0051	.0150	<.0000	5.767
#4	<.0000	.0004	<.0000	.0017	.0142	<.0000	5.754

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0009	<.0000	<.0000	.0098	.0419	<.0000	1.267
SDev	.0003	.0009	.0006	.0004	.0022	.2045	.004
%RSD	30.87	55.50	56.73	4.422	5.276	29.81	.3416

#1	.0007	<.0000	<.0000	.0102	.0400	<.0000	1.262
#2	.0011	<.0000	<.0000	.0095	.0438	<.0000	1.271
#3	.0011	.0000	<.0000	.0095	.0400	<.0000	1.265
#4	.0007	<.0000	<.0000	.0102	.0438	<.0000	1.271

Elem	Mn2576	Mo2020	Na5889	N12316	Pb2203	Sb2068	Se1960
Avge	.0269	.0011	7.502	<.0000	<.0000	.0281	<.0000
SDev	.0003	.0024	.078	.0060	.0130	.0333	.0556
%RSD	1.142	204.8	1.043	2515	41.94	118.5	89.84

#1	.0270	.0000	7.574	<.0000	<.0000	<.0000	<.0000
#2	.0264	<.0000	7.527	<.0000	<.0000	.0394	<.0000
#3	.0270	.0042	7.516	.0115	<.0000	.0620	<.0000
#4	.0270	.0018	7.391	<.0000	<.0000	.0281	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.3529	<.0000	<.0000	.0016
SDev	.0342	.0409	.0008	.0003
%RSD	9.691	759.4	30.68	17.53

#1	.3485	<.0000	<.0000	.0012
#2	.3378	<.0000	<.0000	.0018
#3	.3236	.0205	<.0000	.0018
#4	.4019	.0334	<.0000	.0018

Analysis Report

11/20/01 03:41:29 PM

page 1

Method: IECW Sample Name: 270111ab dup

Operator: it

Run Time: 11/20/01 15:39:44

Comment:

Mode: CUNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0158	.0029	.0148	<.0000	5.764
SDev	.0006	.0054	.0316	.0016	.0003	.0000	.007
%RSD	22.65	93.49	200.1	55.61	2.391	.0000	.1187

#1	<.0000	<.0000	.0252	.0032	.0150	<.0000	5.763
#2	<.0000	<.0000	.0384	.0046	.0150	<.0000	5.760
#3	<.0000	<.0000	.0305	.0032	.0150	<.0000	5.759
#4	<.0000	.0013	<.0000	.0007	.0142	<.0000	5.774

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0098	.0422	<.0000	1.269
SDev	.0011	.0003	.0005	.0008	.0030	.1182	.013
%RSD	366.4	10.53	58.30	7.655	7.154	22.69	1.041

#1	<.0000	<.0000	<.0000	.0095	.0400	<.0000	1.271
#2	.0007	<.0000	<.0000	.0095	.0400	<.0000	1.282
#3	<.0000	<.0000	<.0000	.0095	.0425	<.0000	1.271
#4	.0007	<.0000	<.0000	.0110	.0464	<.0000	1.251

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0269	.0005	7.530	.0038	<.0000	.0196	<.0000
SDev	.0006	.0014	.032	.0047	.0081	.0193	.0337
%RSD	2.186	267.7	.4187	124.8	39.38	98.50	115.3

#1	.0264	.0018	7.521	.0016	<.0000	<.0000	<.0000
#2	.0264	<.0000	7.519	.0104	<.0000	.0281	<.0000
#3	.0270	.0018	7.504	.0038	<.0000	.0168	.0075
#4	.0276	<.0000	7.576	<.0000	<.0000	.0394	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.3627	.0172	<.0000	.0016
SDev	.0307	.0582	.0003	.0005
%RSD	8.450	337.5	14.88	33.68

#1	.3627	<.0000	<.0000	.0012
#2	.3663	.0205	<.0000	.0018
#3	.3235	.0205	<.0000	.0023
#4	.3984	.0852	<.0000	.0012

Analysis Report

11/20/01 03:55:23 PM

page 1

Method: IECW Sample Name: 2/Guispe

Operator: 11

Run Time: 11/20/01 15:51:19

Comment:

Model: LUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.0215 <i>0</i>	.2423 <i>0</i>	.2289	.2423	.2494 <i>0.0144</i>	.0449 <i>0</i>	5.837 <i>NA</i>
SD	.0021	.0133	.0569	.0018	.0000	.0000	.012
%RSD	9.871 <i>86%</i>	5.497	24.86	.7540	.0007 <i>94%</i>	.0920	.2138
#1	.0191	.2238	.2835	.2448	.2494	.0449	5.826
#2	.0215	.2506	.1652	.2404	.2494	.0450	5.829
#3	.0210	.2414	.2698	.2423	.2494	.0449	5.839
#4	.0243	.2533	.1973	.2418	.2494	.0449	5.853
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0967 <i>0.0009</i>	.0952 <i>0</i>	.2283 <i>0</i>	.2427 <i>0.0098</i>	.2924 <i>0.0119</i>	.0178	1.289 <i>NA</i>
SD	.0014	.0014	.0012	.0013	.0022	.3090	.017
%RSD	1.435	1.417	.5206	.5372	.7566	1740.	1.295
#1	.0959	.0943	.2278	.2416	.2931	<.0000	1.288
#2	.0964	.0971	.2286	.2423	.2944	.0710	1.271
#3	.0959	.0942	.2270	.2423	.2892	.1421	1.288
#4	.0988	.0951	.2298	.2446	.2931	.2841	1.311
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.2606 <i>0.0069</i>	.0885 <i>0.0011</i>	7.442 <i>NA</i>	.2363 <i>0</i>	.2133	.2041	.2029
SD	.0018	.0040	.011	.0055	.0186	.0253	.0423
%RSD	.7027	4.541	.1536	2.321	8.713	12.37	20.86
#1	.2611	.0836	7.427	.2335	.2159	.1785	.2520
#2	.2580	.0885	7.455	.2336	.1882	.2354	.1537
#3	.2611	.0885	7.441	.2445	.2158	.2126	.2192
#4	.2623	.0934	7.445	.2335	.2331	.1898	.1864
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avg	.8618	.2017	.0910 <i>0</i>	.2388 <i>0.0016</i>			
SD	.0522	.0561	.0016	.0013			
%RSD	6.063	27.83	1.746	.5278 <i>95%</i>			
#1	.7940	.2017	.0911	.2383			
#2	.8505	.2537	.0917	.2383			
#3	.8861	.2277	.0887	.2406			
#4	.9145	.1237	.0923	.2378			

Analysis Report

11/20/01 03:58:34 PM

page 1

Method: IECW Sample Name: 27012

Run Time: 11/20/01 15:56:49

Comment:

Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0051	.0153	<.0000	5.904
SDev	.0007	.0043	.0278	.0009	.0004	.0000	.005
%RSD	22.38	55.81	80.87	18.07	2.668	28.57	.0876

#1	<.0000	<.0000	<.0000	.0065	.0157	<.0000	5.898
#2	<.0000	<.0000	<.0000	.0045	.0157	<.0000	5.904
#3	<.0000	<.0000	<.0000	.0045	.0149	<.0000	5.904
#4	<.0000	<.0000	<.0000	.0050	.0149	<.0000	5.910

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0053	.0345	<.0000	1.263
SDev	.0007	.0004	.0010	.0009	.0016	.1752	.004
%RSD	170.6	20.04	56.68	17.83	4.774	24.06	.3455

#1	.0002	<.0000	<.0000	.0066	.0326	<.0000	1.268
#2	.0002	<.0000	<.0000	.0051	.0365	<.0000	1.259
#3	<.0000	<.0000	<.0000	.0044	.0339	<.0000	1.259
#4	<.0000	<.0000	<.0000	.0051	.0352	<.0000	1.265

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0270	.0005	7.051	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0012	.040	.0050	.0099	.0194	.1191
%RSD	1.311	230.4	.5645	112.6	45.95	67.83	406.9

#1	.0267	<.0000	7.031	<.0000	<.0000	.0000	.0239
#2	.0273	<.0000	7.098	.0011	<.0000	<.0000	<.0000
#3	.0273	<.0000	7.067	<.0000	<.0000	<.0000	.0894
#4	.0267	.0024	7.007	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.5079	.0238	<.0000	.0012
SDev	.0197	.0513	.0006	.0003
%RSD	3.876	215.1	16.36	27.59

#1	.5041	<.0000	<.0000	.0015
#2	.5230	.0855	<.0000	.0009
#3	.4815	<.0000	<.0000	.0009
#4	.5229	.0466	<.0000	.0015

Analysis Report

11/20/01 04:00:45 PM

page 1

Method: IECW Sample Name: 27013

Operator: jr

Run Time: 11/20/01 15:59:01

Comment:

Mode: CUNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0034	.0169	<.0000	5.714
SDev	.0005	.0042	.0295	.0005	.0003	.0000	.017
%RSD	11.83	51.95	150.6	13.76	2.087	.0000	.3018

#1	<.0000	<.0000	<.0000	.0040	.0171	<.0000	5.736
#2	<.0000	<.0000	<.0000	.0030	.0171	<.0000	5.712
#3	<.0000	<.0000	<.0000	.0035	.0171	<.0000	5.694
#4	<.0000	<.0000	.0214	.0030	.0164	<.0000	5.713

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	.0149	.0470	<.0000	1.207
SDev	.0010	.0012	.0011	.0006	.0016	.1243	.010
%RSD	185.1	76.87	74.95	4.120	3.419	18.67	.8578

#1	<.0000	<.0000	<.0000	.0157	.0454	<.0000	1.198
#2	.0007	.0000	<.0000	.0149	.0467	<.0000	1.218
#3	<.0000	<.0000	<.0000	.0149	.0467	<.0000	1.212
#4	<.0000	<.0000	<.0000	.0142	.0493	<.0000	1.198

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0316	<.0000	6.860	<.0000	<.0000	<.0000	.0117
SDev	.0005	.0035	.043	.0039	.0103	.0198	.0489
%RSD	1.584	69.64	.6219	175.8	132.7	98.12	418.8

#1	.0316	<.0000	6.848	.0033	.0052	<.0000	.0240
#2	.0310	<.0000	6.913	<.0000	<.0000	<.0000	.0731
#3	.0316	<.0000	6.811	<.0000	<.0000	<.0000	.0000
#4	.0323	<.0000	6.868	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.6671	.0694	<.0000	.0030
SDev	.0752	.0246	.0005	.0012
%RSD	11.27	35.43	15.99	38.56

#1	.7377	.0856	<.0000	.0020
#2	.7264	.0726	<.0000	.0037
#3	.6059	.0856	<.0000	.0043
#4	.5984	.0337	<.0000	.0020

Analysis Report

11/20/01 16:01:17

page 1

Method: IECW Sample Name: 771-4

Operator: J.L.

Run Time: 11/20/01 16:01:17

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3230	Al5082	As1936	B_2496	Ba4934	Be5130	Ca3179
Avg	<.0000	<.0000	.0000	.0037	.0137	<.0000	5.877
SD	.0007	.0075	.0334	.0019	.0003	.0000	.008
%RSD	14.02	28.61	99.99	51.38	2.576	22.22	.1367

#1	.0000	<.0000	<.0000	.0031	.0135	<.0000	5.874
#2	<.0000	<.0000	<.0000	.0026	.0135	<.0000	5.875
#3	<.0000	<.0000	<.0000	.0065	.0135	<.0000	5.889
#4	<.0000	<.0000	.0081	.0026	.0142	<.0000	5.870

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	.0008	<.0000	<.0000	<.0000	.0269	<.0000	1.267
SD	.0009	.0008	.0015	.0013	.0016	.1953	.013
%RSD	116.9	27.21	77.23	34.57	6.128	19.82	1.016

#1	.0021	<.0000	<.0000	<.0000	.0262	<.0000	1.253
#2	.0007	<.0000	<.0000	<.0000	.0275	<.0000	1.259
#3	.0002	<.0000	<.0000	<.0000	.0288	<.0000	1.279
#4	.0002	<.0000	<.0000	<.0000	.0250	<.0000	1.276

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0247	<.0000	7.716	<.0000	<.0000	<.0000	<.0000
SD	.0006	.0037	.025	.0055	.0204	.0093	.0524
%RSD	2.374	192.8	.3300	86.26	65.74	25.00	140.2

#1	.0249	<.0000	7.744	<.0000	<.0000	<.0000	.0076
#2	.0243	<.0000	7.685	.0011	<.0000	<.0000	<.0000
#3	.0255	<.0000	7.727	<.0000	<.0000	<.0000	<.0000
#4	.0243	<.0000	7.707	<.0000	<.0000	<.0000	.0076

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	.4646	.0368	<.0000	<.0000
SD	.0328	.0442	.0008	.0007
%RSD	7.055	119.9	16.03	58.42

#1	.5079	.0336	<.0000	<.0000
#2	.4702	<.0000	<.0000	<.0000
#3	.4476	.0206	<.0000	<.0000
#4	.4326	.0985	<.0000	<.0000

Analysis Report

11/20/01 04:05:32 PM

page 1

Method: IECW Sample Name: 27015

Operator: it

Run Time: 11/20/01 16:03:47

Comment:

Mode: CUNC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Bes130	Ca3179
Avge	<.0000	<.0000	<.0000	.0034	.0141	<.0000	5.856
SDev	.0018	.0092	.0259	.0019	.0003	.0000	.009
%RSD	37.86	42.95	184.5	56.51	2.510	22.22	.1537

#1	<.0000	<.0000	.0052	.0050	.0142	<.0000	5.865
#2	<.0000	<.0000	<.0000	.0050	.0142	<.0000	5.844
#3	<.0000	<.0000	<.0000	.0026	.0142	<.0000	5.861
#4	<.0000	<.0000	.0027	.0011	.0135	<.0000	5.853

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0282	<.0000	1.279
SDev	.0014	.0019	.0016	.0007	.0037	.1209	.007
%RSD	152.7	48.80	44.02	19.37	13.09	13.75	.5568

#1	.0011	<.0000	<.0000	<.0000	.0237	<.0000	1.276
#2	<.0000	<.0000	<.0000	<.0000	.0275	<.0000	1.271
#3	<.0000	<.0000	<.0000	<.0000	.0288	<.0000	1.285
#4	<.0000	<.0000	<.0000	<.0000	.0326	<.0000	1.285

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0230	<.0000	7.344	<.0000	<.0000	<.0000	<.0000
SDev	.0005	.0077	.023	.0041	.0085	.0109	.0378
%RSD	2.175	203.2	.3122	145.5	37.68	31.74	91.06

#1	.0237	<.0000	7.331	<.0000	<.0000	<.0000	<.0000
#2	.0230	<.0000	7.346	.0021	<.0000	<.0000	<.0000
#3	.0230	<.0000	7.325	<.0000	<.0000	<.0000	<.0000
#4	.0224	.0049	7.376	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4853	.0141	<.0000	<.0000
SDev	.0154	.0130	.0008	.0008
%RSD	3.169	92.13	17.12	58.78

#1	.5041	<.0000	<.0000	<.0000
#2	.4853	.0206	<.0000	<.0000
#3	.4664	.0206	<.0000	<.0000
#4	.4853	.0206	<.0000	<.0000

Analysis Report

11/20/01 04:08:31 PM

page 1

Method: IECW Sample Name: 27055

Operator: it

Run Time: 11/20/01 16:06:46

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0038	.0141	<.0000	5.827
SDev	.0004	.0050	.0380	.0024	.0003	.0000	.014
%RSD	5.120	15.44	339.3	64.49	2.514	18.18	.2457

#1	<.0000	<.0000	<.0000	.0026	.0135	<.0000	5.833
#2	<.0000	<.0000	<.0000	.0026	.0142	<.0000	5.812
#3	<.0000	<.0000	<.0000	.0026	.0142	<.0000	5.844
#4	<.0000	<.0000	.0351	.0075	.0142	<.0000	5.819

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0320	<.0000	1.231
SDev	.0009	.0006	.0016	.0016	.0016	.2518	.013
%RSD	79.68	10.40	38.39	98.67	5.150	16.58	1.047

#1	<.0000	<.0000	<.0000	<.0000	.0339	<.0000	1.236
#2	<.0000	<.0000	<.0000	<.0000	.0301	<.0000	1.247
#3	.0002	<.0000	<.0000	<.0000	.0326	<.0000	1.224
#4	<.0000	<.0000	<.0000	<.0000	.0314	<.0000	1.218

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0255	<.0000	7.179	<.0000	<.0000	<.0000	<.0000
SDev	.0005	.0051	.033	.0028	.0114	.0216	.0541
%RSD	1.965	82.37	.4601	25.76	28.13	53.93	1173.

#1	.0249	<.0000	7.145	<.0000	<.0000	<.0000	.0076
#2	.0255	<.0000	7.157	<.0000	<.0000	<.0000	<.0000
#3	.0261	<.0000	7.203	<.0000	<.0000	<.0000	.0568
#4	.0255	<.0000	7.212	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.2444	.0466	<.0000	<.0000
SDev	.0368	.0498	.0011	.0008
%RSD	15.05	106.7	19.21	58.84

#1	.2255	.0336	<.0000	<.0000
#2	.2406	<.0000	<.0000	<.0000
#3	.2971	.0856	<.0000	<.0000
#4	.2143	.0856	<.0000	<.0000

Analysis Report

11/20/01 04:11:22 PM

page 1

Method: IECW Sample Name: 27056

Operator: it

Run Time: 11/20/01 16:09:37

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	.0028	.0137	<.0000	5.877
SDev	.0011	.0062	.0367	.0010	.0003	.0000	.012
%RSD	22.37	35.01	136.6	36.81	2.575	.0000	.2123

#1	<.0000	<.0000	<.0000	.0040	.0135	<.0000	5.887
#2	<.0000	<.0000	<.0000	.0015	.0142	<.0000	5.880
#3	<.0000	<.0000	<.0000	.0030	.0135	<.0000	5.859
#4	<.0000	<.0000	.0241	.0025	.0135	<.0000	5.884

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0001	<.0000	<.0000	.0078	.0706	<.0000	1.279
SDev	.0016	.0010	.0013	.0004	.0037	.1372	.010
%RSD	2898.	44.35	38.73	5.600	5.194	12.56	.7873

#1	<.0000	<.0000	<.0000	.0074	.0696	<.0000	1.288
#2	.0007	<.0000	<.0000	.0081	.0658	<.0000	1.271
#3	<.0000	<.0000	<.0000	.0074	.0735	<.0000	1.271
#4	.0021	<.0000	<.0000	.0081	.0735	<.0000	1.288

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0238	<.0000	7.658	<.0000	<.0000	<.0000	.0116
SDev	.0006	.0043	.032	.0056	.0103	.0235	.0737
%RSD	2.468	324.8	.4154	155.6	44.24	136.0	633.2

#1	.0243	<.0000	7.677	<.0000	<.0000	<.0000	.1058
#2	.0237	.0024	7.650	<.0000	<.0000	<.0000	.0075
#3	.0243	<.0000	7.616	<.0000	<.0000	.0084	.0076
#4	.0230	<.0000	7.687	.0021	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.4485	.0140	<.0000	.0000
SDev	.0326	.0492	.0013	.0003
%RSD	7.270	350.6	35.31	661.1

#1	.4363	<.0000	<.0000	<.0000
#2	.4853	<.0000	<.0000	.0003
#3	.4627	.0855	<.0000	<.0000
#4	.4099	.0075	<.0000	.0003

Analysis Report

11/20/01 04:14:06 PM

Page 1

Method: IECW

Sample Name: 27110

Operator: JT

Run Time: 11/20/01 16:12:21

Comment:

Model CONC Conf. Factor: 1

Elem	Avg	Sdev	%RSD	Elem	Avg	Sdev	%RSD	Elem	Avg	Sdev	%RSD	Elem	Avg	Sdev	%RSD
A93280	<.0000	.0006	9.187	A13082	<.0000	.0027	10.13	B-2496	.0024	.0010	41.09	Ba4934	.0134	<.0000	5.800
#1	<.0000	<.0000	<.0000	#1	<.0000	<.0000	<.0000	#1	.0035	.0135	<.0000	#1	<.0000	<.0000	5.790
#2	<.0000	<.0000	<.0000	#2	<.0000	<.0000	<.0000	#2	.0026	.0135	<.0000	#2	<.0000	<.0000	5.800
#3	<.0000	<.0000	<.0000	#3	<.0000	<.0000	<.0000	#3	.0026	.0128	<.0000	#3	<.0000	<.0000	5.809
#4	<.0000	<.0000	<.0000	#4	<.0000	<.0000	<.0000	#4	.0011	.0135	<.0000	#4	<.0000	<.0000	5.802
Co2288	<.0000	<.0000	40.29	Co2286	<.0000	.0007	18.75	Co3247	<.0000	.0004	12.31	Fe2599	.0330	<.0000	Mg2790
Avg	<.0000	.0005	1.007	Avg	<.0000	.0015	36.34	Avg	<.0000	.0034	10.19	Avg	<.0000	.1391	1.255
Sdev	.0005	.0007	.0015	Sdev	.0007	.0015	.0015	Sdev	.0004	.0034	.0004	Sdev	.0034	.1391	.013
%RSD	40.29	18.75	36.34	%RSD	18.75	36.34	12.31	%RSD	10.19	.0034	10.19	%RSD	.0034	.1391	1.028
#1	<.0000	<.0000	<.0000	#1	<.0000	<.0000	<.0000	#1	<.0000	.0377	<.0000	#1	<.0000	<.0000	1.259
#2	<.0000	<.0000	<.0000	#2	<.0000	<.0000	<.0000	#2	<.0000	.0326	<.0000	#2	<.0000	<.0000	1.259
#3	<.0000	<.0000	<.0000	#3	<.0000	<.0000	<.0000	#3	<.0000	.0314	<.0000	#3	<.0000	<.0000	1.236
#4	<.0000	<.0000	<.0000	#4	<.0000	<.0000	<.0000	#4	<.0000	.0301	<.0000	#4	<.0000	<.0000	1.265
Mn2576	Mn2020	Na5889	NI2316	Pb2203	Sb2068	Se1960									
Avg	.0249	<.0000	4.294	Avg	<.0000	<.0000	<.0000	Avg	<.0000	<.0000	<.0000	Avg	<.0000	<.0000	.0117
Sdev	.0005	.0025	.0036	Sdev	.0025	.0036	.0036	Sdev	.0180	<.0000	<.0000	Sdev	.0218	<.0000	.0338
%RSD	2.012	189.3	1.299	%RSD	2.012	189.3	1.299	%RSD	43.31	108.7	287.6	%RSD	108.7	287.6	
#1	.0255	<.0000	4.367	#1	<.0000	<.0000	<.0000	#1	<.0000	<.0000	<.0000	#1	<.0000	<.0000	.0517
#2	.0249	<.0000	4.249	#2	<.0000	<.0000	<.0000	#2	<.0000	<.0000	<.0000	#2	<.0000	<.0000	.0671
#3	.0249	<.0000	4.310	#3	<.0000	<.0000	<.0000	#3	<.0000	<.0000	<.0000	#3	<.0000	<.0000	.0076
#4	.0243	<.0000	4.253	#4	<.0000	<.0000	<.0000	#4	<.0000	<.0000	<.0000	#4	<.0000	<.0000	<.0000
Elem	\$12881	111908	V-2924	21213											
Avg	.1012	.0271	<.0000	Avg	.0001	<.0000	.0001	Avg	<.0000	<.0000	<.0000	Avg	<.0000	<.0000	
Sdev	.0355	.0309	.0011	Sdev	.0011	.0011	.0011	Sdev	<.0000	<.0000	<.0000	Sdev	<.0000	<.0000	
%RSD	35.05	114.0	1.011	%RSD	1.011	1.011	1.011	%RSD	<.0000	<.0000	<.0000	%RSD	<.0000	<.0000	
#1	.0862	.0157	<.0000	#1	<.0000	<.0000	<.0000	#1	<.0000	<.0000	<.0000	#1	<.0000	<.0000	
#2	.1012	.0100	<.0000	#2	<.0000	<.0000	<.0000	#2	<.0000	<.0000	<.0000	#2	<.0000	<.0000	
#3	.1503	.0466	<.0000	#3	<.0000	<.0000	<.0000	#3	<.0000	<.0000	<.0000	#3	<.0000	<.0000	
#4	.0173	.0076	<.0000	#4	<.0000	<.0000	<.0000	#4	<.0000	<.0000	<.0000	#4	<.0000	<.0000	

11/20/01 14:14:28

Page 1

Method: ICP-AES Sample Name: 27111

Run time: 11/20/01 14:14:28

Comment:

Mode: CONC Corr. Factor: 1

User: JTC



Elem	Ag3280	Al3081	As1736	B_4476	Ca4267	Ge7600	Li6717
Avge	<.0000	<.0000	.0000	.0035	.0134	<.0000	5.956
SDev	.0011	.0016	.0277	.0034	.00	.00000	.021
%RSD	19.36	20.62	58.28	67.44	21.54	18.18	.3544

#1	.0000	<.0000	.0000	.0031	.0128	<.0000	5.839
#2	<.0000	.00	<.0000	.0016	.0135	<.0000	5.844
#3	<.0000	.0000	<.0000	.0026	.0135	<.0000	5.867
#4	.0000	<.0000	<.0000	.0070	.0135	<.0000	5.884

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.0013	<.0000	<.0000	<.0000	.0282	<.0000	1.269
SDev	.0016	.0008	.0004	.0009	.0007	.3763	.018
%RSD	126.2	24.73	17.31	25.46	2.596	31.39	1.455

#1	.0002	<.0000	<.0000	<.0000	.0275	<.0000	1.268
#2	.0031	<.0000	<.0000	<.0000	.0275	<.0000	1.244
#3	.0021	<.0000	<.0000	<.0000	.0288	<.0000	1.276
#4	<.0000	<.0000	<.0000	<.0000	.0288	<.0000	1.288

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0232	<.0000	4.300	<.0000	<.0000	<.0000	<.0000
SDev	.0003	.0043	.039	.0067	.0184	.0218	.0363
%RSD	1.327	113.3	.9094	173.4	48.40	108.6	124.3

#1	.0231	<.0000	4.286	<.0000	<.0000	<.0000	<.0000
#2	.0237	<.0000	4.268	.0022	<.0000	<.0000	<.0000
#3	.0230	<.0000	4.288	<.0000	<.0000	<.0000	.0076
#4	.0230	<.0000	4.357	.0010	<.0000	<.0000	<.0000

Elem	Si2881	Ti1908	V_2924	Zn2138
Avge	.1850	.0109	<.0000	<.0000
SDev	.0541	.0565	.0007	.0010
%RSD	29.27	519.8	14.23	191.6

#1	.1389	.0855	<.0000	<.0000
#2	.1464	<.0000	<.0000	.0003
#3	.1256	.0206	<.0000	<.0000
#4	.1991	<.0000	<.0000	<.0000

Analysis Report

11/20/01 04:18:52 PM

page 1

Method: 1ECW Sample Name: 27112
 Run Time: 11/20/01 16:17:07
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	.0146	.0271	<.0000	24.21
SD	.0018	.0126	.0335	.0015	.0000	.0001	.13
%RSD	21.05	30.95	257.8	10.29	.0509	16.50	.5383

#1	<.0000	<.0000	<.0000	.0147	.0271	<.0000	24.38
#2	<.0000	<.0000	.0357	.0167	.0271	<.0000	24.20
#3	<.0000	<.0000	<.0000	.0138	.0271	<.0000	24.20
#4	<.0000	<.0000	<.0000	.0133	.0271	<.0000	24.07

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0584	<.0000	8.103
SD	.0006	.0028	.0020	.0013	.0018	.4446	.046
%RSD	1702.	52.01	88.73	47.65	3.079	178.8	.5622

#1	.0008	<.0000	<.0000	<.0000	.0583	.2131	8.169
#2	<.0000	<.0000	<.0000	<.0000	.0596	<.0000	8.099
#3	<.0000	<.0000	<.0000	<.0000	.0596	<.0000	8.078
#4	<.0000	<.0000	<.0000	<.0000	.0558	<.0000	8.067

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0561	<.0000	27.91	<.0000	<.0000	<.0000	<.0000
SD	.0008	.0035	.19	.0056	.0133	.0197	.0492
%RSD	1.370	64.07	.6933	277.3	29.15	60.63	134.7

#1	.0569	<.0000	28.12	<.0000	<.0000	<.0000	<.0000
#2	.0563	<.0000	27.66	.0059	<.0000	<.0000	<.0000
#3	.0563	<.0000	27.89	<.0000	<.0000	<.0000	<.0000
#4	.0551	<.0000	27.97	<.0000	<.0000	<.0000	.0209

Elem	Si2881	Ti1908	V_2924	Zn2138
Avg	.7203	.0843	<.0000	<.0000
SD	.1172	.0388	.0012	.0008
%RSD	16.27	45.95	20.85	85.75

#1	.8265	.0745	<.0000	<.0000
#2	.8116	.1265	<.0000	<.0000
#3	.6535	.1006	<.0000	<.0000
#4	.5895	.0357	<.0000	<.0000

Analysis Report

11/20/01 04:24:32 PM

page 1

Method: IECW Sample Name: ipc
 Run Time: 11/20/01 16:22:47
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	.4858 ✓	.9275 ✓	1.0000	.9959	1.016 ✓	.9779 ✓	1.003 ✓
SD	.0032	.0177	.0440	.0066	.002	.0067	.015
%RSD	.6581	1.904	1276.	.6590	.1736	.6816	1.490
#1	.4837	.9182	<1.0000	.9931	1.016	.9741	.9908
#2	.4897	.9505	.0056	1.005	1.018	.9858	1.020
#3	.4869	.9311	<1.0000	.9951	1.015	.9806	1.010
#4	.4827	.9100	.0544	.9902	1.014	.9709	.9893
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	1.013 ✓	1.001 ✓	.9752 ✓	.9965 ✓	.9875 ✓	<1.0000	.9664 ✓
SD	.007	.008	.0067	.0029	.0092	.7032	.0395
%RSD	.7041	.7901	.6914	.2918	.9283	66.00	4.091
#1	1.014	.9922	.9694	.9933	.9894	<1.0000	.9337
#2	1.021	1.008	.9838	.9993	.9919	<1.0000	.9977
#3	1.012	1.008	.9774	.9985	.9945	<1.0000	1.004
#4	1.004	.9975	.9702	.9948	.9741	<1.0000	.9308
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	1.003 ✓	.9822 ✓	1.027 ✓	1.002 ✓	.9775	.9966	<1.0000
SD	.007	.0037	.030	.008	.0283	.0426	.0967
%RSD	.6836	.3769	2.947	.8446	2.893	4.278	193.8
#1	.9986	.9853	1.017	.9926	.9481	.9397	<1.0000
#2	1.011	.9779	1.070	1.010	.9999	.9966	.0524
#3	1.005	.9853	1.023	1.008	1.003	1.008	<1.0000
#4	.9962	.9804	.9993	.9969	.9585	1.042	<1.0000
Elem	Si2881	Ti1908	V_2924	Zn2138			
Avg	.2985	1.041	.9994 ✓	1.002 ✓			
SD	.0978	.060	.0047	.005			
%RSD	32.75	5.792	.4714	.4733			
#1	.2298	1.019	.9978	.9967			
#2	.3916	.9797	1.004	1.008			
#3	.3728	1.123	1.003	1.001			
#4	.1997	1.045	.9936	1.001			

Analysis Report

11/20/01 04:27:49 PM

page 1

Method: IECW Sample Name: cb

Operator: it

Run Time: 11/20/01 16:26:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	S_2496	Ba4934	Be3130	Ca3179
Avg	<.0000 ✓	<.0000 ✓	<.0000	<.0000	<.0000 ✓	<.0000 ✓	<.0000 ✓
SDev	.0016	.0033	.0186	.0012	.0004	.0001	.0020
%RSD	18.72	6.108	30.61	345.5	23.13	76.59	9.392

#1	<.0000	<.0000	<.0000	.0010	<.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
Avg	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000	<.0000 ✓
SDev	.0014	.0019	.0014	.0013	.0013	.4325	.0205
%RSD	133.1	39.48	21.62	25.30	427.7	19.72	36.62

#1	<.0000	<.0000	<.0000	<.0000	.0003	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0003	<.0000	<.0000
#3	.0002	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0003	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000 ✓	<.0000	<.0000	<.0000
SDev	.0005	.0043	.0083	.0039	.0060	.0132	.0363
%RSD	36.35	356.3	10.96	39.98	13.33	27.24	99.11

#1	<.0000	.0025	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0084
#3	<.0000	.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Si2851	Ti1908	V_2924	Zn2138
Avg	<.0000	<.0000	<.0000 ✓	<.0000 ✓
SDev	.0524	.0466	.0013	.0006
%RSD	7.322	734.4	19.64	26.70

#1	<.0000	.0358	<.0000	.0000
#2	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0229	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000