

9/25/01 IF
12K4P

BIK

23360

5 STD QCS

22874

IPC+CB

900

22726

IPC+CB

22658

IPC return for P6

22866+s/k

LFB+LRA

867

22567 return RSD > 10% + s/k

868

22292

869

22830

870

22835

871

22842+Disc

872

22008 1→2

873

22841 1→2 Fe 1→10

IPC+CB

IPC+CB

23340

341+s/k

342

343

344

345

359

Analysis Report

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 09/25/01 14:20:25

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5041	1.019	<.0000	.9753	.9678	.9757	.9857
SDev	.0012	.005	.0075	.0072	.0019	.0011	.0008
%RSD	.2384	.4677	348.0	.7399	.1959	.1178	.0835

#1	.5034	1.024	<.0000	.9661	.9661	.9744	.9846
#2	.5047	1.020	.0072	.9733	.9694	.9756	.9854
#3	.5054	1.016	<.0000	.9821	.9661	.9772	.9863
#4	.5027	1.014	<.0000	.9799	.9694	.9759	.9863

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9775	.9765	.9838	.9539	1.009	<.0000	.9525
SDev	.0076	.0027	.0047	.0022	.006	.2847	.0167
%RSD	.7748	.2754	.4801	.2311	.5459	58.07	1.756

#1	.9756	.9732	.9810	.9545	1.002	<.0000	.9304
#2	.9717	.9797	.9848	.9513	1.013	<.0000	.9683
#3	.9743	.9763	.9795	.9534	1.014	<.0000	.9620
#4	.9886	.9769	.9901	.9566	1.008	<.0000	.9493

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9710	.9353	1.012	1.004	.9310	.8315	.0281
SDev	.0015	.0076	.033	.008	.0266	.0359	.0229
%RSD	.1551	.8074	3.259	.7717	2.852	4.316	81.43

#1	.9702	.9325	.9823	1.004	.9499	.7977	.0262
#2	.9732	.9259	.9943	.9983	.9018	.8231	.0410
#3	.9702	.9414	1.057	.9983	.9567	.8231	.0484
#4	.9702	.9414	1.015	1.015	.9155	.8823	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.027	.9357	.9823	.9846
SDev	.004	.0669	.0027	.0015
%RSD	.3854	7.151	.2778	.1548

#1	1.027	.8456	.9803	.9838
#2	1.026	.9691	.9795	.9834
#3	1.022	1.000	.9846	.9868
#4	1.031	.9280	.9846	.9845

Analysis Report

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Method: IECW Sample Name: cb
 Run Time: 09/25/01 14:22:23
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: it

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	.0002	<.0000
SDev	.0014	.0110	.0163	.0018	.0009	.0002	.0029
%RSD	74.96	81.00	103.1	58.14	57.69	73.91	365.5

#1	<.0000	<.0000	<.0000	<.0000	<.0000	.0005	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0003	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	.0001	.0031
#4	<.0000	<.0000	<.0000	<.0000	<.0000	.0001	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0050	<.0000	<.0000
SDev	.0020	.0014	.0019	.0014	.0075	.1760	.0191
%RSD	1869.	50.48	51.37	43.02	150.5	31.91	134.6

#1	.0007	<.0000	<.0000	<.0000	.0111	<.0000	<.0000
#2	.0024	<.0000	<.0000	<.0000	.0019	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0111	<.0000	.0079
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	.0044	<.0000	.0068	<.0000	<.0000	.0093
SDev	.0006	.0114	.0187	.0077	.0237	.0304	.0674
%RSD	328.2	255.7	249.6	112.7	56.31	71.89	726.3

#1	<.0000	.0083	.0038	.0096	<.0000	<.0000	.0462
#2	<.0000	.0150	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	.0061	.0098	.0107	<.0000	<.0000	.0832
#4	.0006	<.0000	<.0000	.0118	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	<.0000	<.0000	<.0000	<.0000
SDev	.0024	.0397	.0019	.0011
%RSD	19.92	49.79	126.6	199.6

#1	<.0000	<.0000	.0013	<.0000
#2	<.0000	<.0000	<.0000	.0009
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 23340

Operator: it

Run Time: 09/25/01 14:35:53

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	<.0000	.0126	<.0000	5.580
SDev	.0011	.0137	.0274	.0011	.0016	.0001	.015
%RSD	19.22	33.75	78.26	2781.	13.05	15.55	.2661

#1	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.593
#2	<.0000	<.0000	<.0000	.0007	.0134	<.0000	5.569
#3	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.565
#4	<.0000	<.0000	<.0000	.0011	.0101	<.0000	5.592

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.103
SDev	.0006	.0008	.0015	.0015	.0025	.4677	.021
%RSD	25.57	10.60	34.12	25.13	16.82	63.60	1.892

#1	<.0000	<.0000	<.0000	<.0000	.0118	<.0000	1.113
#2	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.079
#3	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.126
#4	<.0000	<.0000	<.0000	<.0000	.0180	<.0000	1.094

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	.0214	<.0000	3.722	.0003	<.0000	<.0000	.0088
SDev	.0004	.0011	.032	.0131	.0167	.0187	.0618
%RSD	1.758	3.820	.8574	4805.	23.41	27.66	699.8

#1	.0216	<.0000	3.738	.0126	<.0000	<.0000	.0606
#2	.0208	<.0000	3.690	.0016	<.0000	<.0000	<.0000
#3	.0216	<.0000	3.702	.0049	<.0000	<.0000	.0531
#4	.0216	<.0000	3.759	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	.6178	<.0000	<.0000	.0117
SDev	.0101	.0195	.0008	.0011
%RSD	1.633	443.7	15.18	9.477

#1	.6154	<.0000	<.0000	.0117
#2	.6203	.0240	<.0000	.0106
#3	.6057	<.0000	<.0000	.0133
#4	.6299	<.0000	<.0000	.0114

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Method: IECW Sample Name: 22341

Operator: it

Run Time: 09/25/01 14:38:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0714	.0065	.0236	<.0000	21.73
SDev	.0025	.0088	.0233	.0014	.0008	.0001	.02
%RSD	27.40	15.17	32.59	21.29	3.478	17.39	.1126

#1	<.0000	<.0000	.0867	.0063	.0232	<.0000	21.75
#2	<.0000	<.0000	.0731	.0056	.0232	<.0000	21.69
#3	<.0000	<.0000	.0879	.0085	.0248	<.0000	21.73
#4	<.0000	<.0000	.0380	.0056	.0232	<.0000	21.72

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0562	<.0000	7.145
SDev	.0021	.0023	.0012	.0011	.0028	.2712	.008
%RSD	63.34	26.98	25.99	13.28	4.977	59.00	.1083

#1	<.0000	<.0000	<.0000	<.0000	.0593	<.0000	7.151
#2	<.0000	<.0000	<.0000	<.0000	.0547	<.0000	7.142
#3	<.0000	<.0000	<.0000	<.0000	.0578	<.0000	7.151
#4	<.0000	<.0000	<.0000	<.0000	.0532	<.0000	7.135

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0882	<.0000	27.81	<.0000	<.0000	<.0000	<.0000
SDev	.0014	.0069	.02	.0118	.0195	.0175	.0678
%RSD	1.561	24.02	.0675	2831.	24.43	20.40	154.5

#1	.0867	<.0000	27.82	<.0000	<.0000	<.0000	.0577
#2	.0874	<.0000	27.80	<.0000	<.0000	<.0000	<.0000
#3	.0889	<.0000	27.78	.0166	<.0000	<.0000	<.0000
#4	.0897	<.0000	27.82	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.460	<.0000	<.0000	<.0000
SDev	.027	.0993	.0016	.0012
%RSD	1.111	516.1	21.90	59.25

#1	2.441	<.0000	<.0000	<.0000
#2	2.441	<.0000	<.0000	<.0000
#3	2.499	.1172	<.0000	<.0000
#4	2.460	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 23341spk ✓

Operator: it

Run Time: 09/25/01 14:44:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0015	.2381	.2840	.2718	.2831	.0503	21.24
SDev	.0025	.0129	.0329	.0046	.0016	.0001	.03
%RSD	169.0	5.431	11.58	1.680	.5543	.1999	.1489

#1	.0023	.2480	.2795	.2759	.2810	.0503	21.21
#2	<.0000	.2194	.2398	.2686	.2843	.0503	21.28
#3	.0043	.2452	.3146	.2672	.2827	.0502	21.23
#4	.0010	.2398	.3022	.2755	.2843	.0504	21.26

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1062	.0956	.2572	.2636	.3287	<.0000	6.991
SDev	.0032	.0020	.0003	.0021	.0027	.8970	.028
%RSD	3.038	2.082	.1036	.8033	.8079	365.9	.4050

#1	.1104	.0978	.2569	.2626	.3264	.4443	6.955
#2	.1025	.0930	.2569	.2626	.3326	<.0000	6.984
#3	.1065	.0956	.2574	.2668	.3279	.5669	7.021
#4	.1056	.0958	.2574	.2626	.3279	<.0000	7.003

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.3438	.0731	27.21	.2685	.1820	.1503	.3299
SDev	.0007	.0029	.09	.0073	.0311	.0399	.0749
%RSD	.2102	3.912	.3460	2.706	17.06	26.53	22.69

#1	.3444	.0698	27.15	.2762	.1941	.1397	.4260
#2	.3436	.0720	27.35	.2586	.1460	.1398	.2635
#3	.3429	.0765	27.15	.2696	.2181	.2074	.3521
#4	.3444	.0742	27.21	.2696	.1700	.1144	.2782

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	2.636	.2146	.0972	.2615
SDev	.002	.0568	.0020	.0021
%RSD	.0912	26.45	2.025	.7865

#1	2.635	.2404	.0989	.2588
#2	2.635	.2815	.0955	.2614
#3	2.634	.1579	.0989	.2622
#4	2.639	.1785	.0955	.2637

Analysis Report

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Method: IECW Sample Name: 23342 ✓

Operator: it

Run Time: 09/25/01 14:47:09

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.513
SDev	.0024	.0163	.0233	.0010	.0000	.0001	.010
%RSD	25.89	24.83	63.49	78.13	.0070	10.04	.1865

#1	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.523
#2	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.518
#3	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.499
#4	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.513

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0161	<.0000	1.116
SDev	.0011	.0032	.0036	.0022	.0044	.7654	.008
%RSD	37.14	28.06	41.89	24.61	27.43	39.34	.7309

#1	<.0000	<.0000	<.0000	<.0000	.0195	<.0000	1.113
#2	<.0000	<.0000	<.0000	<.0000	.0103	<.0000	1.126
#3	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.107
#4	<.0000	<.0000	<.0000	<.0000	.0195	<.0000	1.120

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0242	<.0000	3.743	<.0000	<.0000	<.0000	<.0000
SDev	.0008	.0038	.005	.0055	.0142	.0174	.0313
%RSD	3.114	12.57	.1371	166.4	15.27	19.62	236.0

#1	.0253	<.0000	3.750	<.0000	<.0000	<.0000	<.0000
#2	.0238	<.0000	3.738	<.0000	<.0000	<.0000	<.0000
#3	.0238	<.0000	3.744	<.0000	<.0000	<.0000	.0237
#4	.0238	<.0000	3.741	.0038	<.0000	<.0000	.0015

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6589	<.0000	<.0000	.0006
SDev	.0097	.0352	.0015	.0004
%RSD	1.469	55.31	19.11	64.74

#1	.6541	<.0000	<.0000	.0012
#2	.6540	<.0000	<.0000	.0004
#3	.6734	<.0000	<.0000	.0004
#4	.6541	<.0000	<.0000	.0004

Method: IECW Sample Name: 23343

Operator: it

Run Time: 09/25/01 14:49:22

Comment:

Mode: CONC Corr. Factor: 1



Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.495
SDev	.0014	.0099	.0234	.0002	.0000	.0000	.007
%RSD	16.45	15.87	186.9	10.37	.0036	8.333	.1259

#1	<.0000	<.0000	.0020	<.0000	.0134	<.0000	5.493
#2	<.0000	<.0000	.0119	<.0000	.0134	<.0000	5.499
#3	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.486
#4	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.502

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0153	<.0000	1.115
SDev	.0010	.0020	.0012	.0005	.0032	.2803	.018
%RSD	76.13	19.48	11.86	6.778	20.65	16.33	1.629

#1	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	1.113
#2	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	1.094
#3	<.0000	<.0000	<.0000	<.0000	.0180	<.0000	1.139
#4	<.0000	<.0000	<.0000	<.0000	.0180	<.0000	1.113

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0234	<.0000	3.698	<.0000	<.0000	<.0000	<.0000
SDev	.0004	.0046	.033	.0049	.0233	.0144	.0175
%RSD	1.853	15.83	.9006	199.5	26.60	20.10	152.7

#1	.0238	<.0000	3.663	.0005	<.0000	<.0000	<.0000
#2	.0231	<.0000	3.705	<.0000	<.0000	<.0000	.0015
#3	.0238	<.0000	3.741	.0016	<.0000	<.0000	<.0000
#4	.0231	<.0000	3.684	<.0000	<.0000	<.0000	.0015

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6577	<.0000	<.0000	.0000
SDev	.0024	.0554	.0007	.0008
%RSD	.3672	580.5	7.725	4187.

#1	.6589	<.0000	<.0000	.0004
#2	.6589	.0446	<.0000	.0004
#3	.6588	.0239	<.0000	.0004
#4	.6541	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 23344

Operator: it

Run Time: 09/25/01 15:02:02

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0118	<.0000	5.562
SDev	.0025	.0086	.0376	.0018	.0000	.0001	.008
%RSD	37.78	18.06	104.6	159.7	.0086	10.04	.1438

#1	<.0000	<.0000	.0068	<.0000	.0118	<.0000	5.570
#2	<.0000	<.0000	<.0000	<.0000	.0118	<.0000	5.565
#3	<.0000	<.0000	<.0000	<.0000	.0118	<.0000	5.563
#4	<.0000	<.0000	<.0000	.0007	.0118	<.0000	5.551

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.089
SDev	.0009	.0021	.0016	.0020	.0045	.5066	.010
%RSD	47.11	25.74	18.78	31.25	30.26	40.82	.9590

#1	<.0000	<.0000	<.0000	<.0000	.0103	<.0000	1.082
#2	<.0000	<.0000	<.0000	<.0000	.0195	<.0000	1.104
#3	<.0000	<.0000	<.0000	<.0000	.0180	<.0000	1.082
#4	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	1.088

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0216	<.0000	3.706	<.0000	<.0000	<.0000	<.0000
SDev	.0000	.0038	.016	.0050	.0258	.0243	.0437
%RSD	.0045	11.72	.4262	122.0	31.28	22.98	288.1

#1	.0216	<.0000	3.720	.0016	<.0000	<.0000	<.0000
#2	.0216	<.0000	3.720	<.0000	<.0000	<.0000	<.0000
#3	.0216	<.0000	3.690	<.0000	<.0000	<.0000	.0458
#4	.0216	<.0000	3.696	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.6287	.0059	<.0000	.0002
SDev	.0199	.0763	.0018	.0006
%RSD	3.159	1286.	25.81	317.7

#1	.6251	<.0000	<.0000	.0008
#2	.6541	.0651	<.0000	.0008
#3	.6058	.0754	<.0000	<.0000
#4	.6299	<.0000	<.0000	<.0000

Analysis Report

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Method: IECW Sample Name: 23345

Operator: it

Run Time: 09/25/01 15:04:48

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	.0268	.0079	.0301	<.0000	22.27
SDev	.0020	.0085	.0240	.0025	.0008	.0000	.06
%RSD	17.90	10.85	89.49	31.19	2.717	8.333	.2905

#1	<.0000	<.0000	.0505	.0055	.0313	<.0000	22.31
#2	<.0000	<.0000	.0131	.0073	.0297	<.0000	22.23
#3	<.0000	<.0000	.0003	.0113	.0297	<.0000	22.35
#4	<.0000	<.0000	.0432	.0074	.0297	<.0000	22.21

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0561	<.0000	7.292
SDev	.0022	.0020	.0023	.0015	.0025	.1688	.042
%RSD	85.88	16.24	25.68	14.07	4.461	22.95	.5709

#1	<.0000	<.0000	<.0000	<.0000	.0561	<.0000	7.331
#2	<.0000	<.0000	<.0000	<.0000	.0592	<.0000	7.265
#3	<.0000	<.0000	<.0000	<.0000	.0561	<.0000	7.325
#4	.0003	<.0000	<.0000	<.0000	.0531	<.0000	7.249

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.1509	<.0000	26.88	<.0000	<.0000	<.0000	.0245
SDev	.0014	.0064	.04	.0024	.0201	.0271	.0457
%RSD	.9439	21.79	.1554	1344.	19.03	26.42	186.8

#1	.1507	<.0000	26.88	.0034	<.0000	<.0000	.0281
#2	.1500	<.0000	26.84	<.0000	<.0000	<.0000	<.0000
#3	.1530	<.0000	26.94	<.0000	<.0000	<.0000	.0872
#4	.1500	<.0000	26.88	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.934	.0732	<.0000	<.0000
SDev	.017	.1196	.0018	.0006
%RSD	.8964	163.4	15.69	42.49

#1	1.938	.1169	<.0000	<.0000
#2	1.909	<.0000	<.0000	<.0000
#3	1.948	.0037	<.0000	<.0000
#4	1.943	.2201	<.0000	<.0000

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Method: IECW Sample Name: 23359

Operator: it

Run Time: 09/25/01 15:09:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.518
SDev	.0024	.0019	.0284	.0020	.0000	.0000	.010
%RSD	34.76	3.924	77.86	117.9	.0091	9.091	.1856

#1	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.520
#2	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.529
#3	<.0000	<.0000	<.0000	.0007	.0134	<.0000	5.519
#4	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.504

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0153	<.0000	1.123
SDev	.0016	.0021	.0019	.0006	.0019	.2400	.012
%RSD	40.51	21.74	25.00	8.101	12.60	28.48	1.078

#1	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.107
#2	<.0000	<.0000	<.0000	<.0000	.0180	<.0000	1.132
#3	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.132
#4	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	1.120

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0187	<.0000	7.446	<.0000	<.0000	<.0000	.0125
SDev	.0007	.0053	.056	.0026	.0119	.0348	.0369
%RSD	3.850	17.28	.7472	85.65	13.07	51.37	294.5

#1	.0193	<.0000	7.427	<.0000	<.0000	<.0000	.0163
#2	.0185	<.0000	7.436	.0005	<.0000	<.0000	.0014
#3	.0193	<.0000	7.397	<.0000	<.0000	<.0000	.0606
#4	.0178	<.0000	7.526	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.9126	<.0000	<.0000	<.0000
SDev	.0101	.0786	.0015	.0004
%RSD	1.102	118.7	23.35	19.41

#1	.9151	<.0000	<.0000	<.0000
#2	.9102	<.0000	<.0000	<.0000
#3	.9247	.0033	<.0000	<.0000
#4	.9005	<.0000	<.0000	<.0000

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Method: IECW Sample Name: 23360

Operator: it

Run Time: 09/25/01 15:11:49

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	<.0000	<.0000	<.0000	<.0000	.0126	<.0000	5.541
SDev	.0022	.0111	.0471	.0010	.0009	.0000	.016
%RSD	22.97	16.58	212.4	91.20	7.540	.0000	.2918

#1	<.0000	<.0000	<.0000	<.0000	.0118	<.0000	5.543
#2	<.0000	<.0000	<.0000	<.0000	.0134	<.0000	5.527
#3	<.0000	<.0000	<.0000	.0003	.0118	<.0000	5.563
#4	<.0000	<.0000	.0221	<.0000	.0134	<.0000	5.530

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.088
SDev	.0029	.0018	.0023	.0013	.0025	.2918	.013
%RSD	107.9	14.70	29.02	12.74	16.80	16.00	1.186

#1	<.0000	<.0000	<.0000	<.0000	.0149	<.0000	1.091
#2	<.0000	<.0000	<.0000	<.0000	.0119	<.0000	1.094
#3	<.0000	<.0000	<.0000	<.0000	.0180	<.0000	1.069
#4	.0006	<.0000	<.0000	<.0000	.0149	<.0000	1.098

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.0163	<.0000	7.023	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0073	.031	.0033	.0126	.0293	.0604
%RSD	3.776	24.46	.4424	170.7	12.38	37.44	400.4

#1	.0163	<.0000	7.003	<.0000	<.0000	<.0000	.0680
#2	.0155	<.0000	7.030	.0016	<.0000	<.0000	<.0000
#3	.0163	<.0000	7.063	<.0000	<.0000	<.0000	<.0000
#4	.0170	<.0000	6.994	<.0000	<.0000	<.0000	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.8813	<.0000	<.0000	<.0000
SDev	.0096	.0867	.0008	.0011
%RSD	1.094	113.5	8.290	36.42

#1	.8861	<.0000	<.0000	<.0000
#2	.8861	<.0000	<.0000	<.0000
#3	.8668	.0034	<.0000	<.0000
#4	.8861	<.0000	<.0000	<.0000

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Method: IECW Sample Name: ipc

Operator: it

Run Time: 09/25/01 15:19:52

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.4998	.9738	<.0000	.9588	.9711	.9611	.9945
SDev	.0017	.0116	.0323	.0058	.0019	.0046	.0031
%RSD	.3314	1.193	127.3	.6076	.1952	.4817	.3111

#1	.4981	.9632	<.0000	.9570	.9694	.9570	.9982
#2	.4994	.9864	.0140	.9573	.9727	.9632	.9956
#3	.5021	.9646	<.0000	.9672	.9727	.9666	.9933
#4	.4994	.9809	<.0000	.9537	.9694	.9575	.9909

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9848	.9659	.9744	.9502	1.003	<.0000	.9177
SDev	.0033	.0040	.0062	.0038	.005	.5889	.0052
%RSD	.3313	.4178	.6357	.3966	.5059	38.06	.5627

#1	.9817	.9606	.9680	.9481	.9991	<.0000	.9177
#2	.9830	.9705	.9709	.9534	1.008	<.0000	.9114
#3	.9891	.9663	.9819	.9534	.9976	<.0000	.9240
#4	.9856	.9660	.9766	.9460	1.005	<.0000	.9177

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9653	.9265	.9643	.9893	.8932	.8486	.0523
SDev	.0036	.0144	.0272	.0143	.0133	.0331	.0402
%RSD	.3744	1.556	2.821	1.447	1.490	3.900	76.94

#1	.9619	.9060	.9553	.9786	.8983	.8063	.0117
#2	.9657	.9392	.9583	.9753	.8777	.8824	.1077
#3	.9702	.9281	.9402	1.003	.8880	.8655	.0412
#4	.9634	.9326	1.003	1.001	.9086	.8401	.0486

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.004	1.008	.9742	.9805
SDev	.008	.049	.0032	.0045
%RSD	.8234	4.890	.3302	.4602

#1	1.002	.9487	.9710	.9770
#2	1.012	1.062	.9786	.9815
#3	.9927	.9899	.9735	.9864
#4	1.007	1.031	.9735	.9770

Analysis Report

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Method: IECW Sample Name: cb

Run Time: 09/25/01 15:22:19

Operator: it

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avg	<.0000	<.0000	<.0000	<.0000	<.0000	.0003	<.0000
SDev	.0016	.0166	.0147	.0010	.0016	.0003	.0046
%RSD	27.22	32.52	25.13	47.94	128.0	115.2	63.46

#1	<.0000	<.0000	<.0000	<.0000	.0008	.0008	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0003	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	.0001	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avg	<.0000	<.0000	<.0000	<.0000	.0012	<.0000	<.0000
SDev	.0011	.0011	.0021	.0022	.0027	.2313	.0122
%RSD	46.99	13.71	28.44	39.27	228.5	21.57	32.88

#1	<.0000	<.0000	<.0000	<.0000	.0019	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	.0035	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	.0019	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avg	<.0000	.0050	<.0000	<.0000	<.0000	<.0000	.0593
SDev	.0006	.0082	.0126	.0031	.0175	.0109	.0093
%RSD	65.45	163.5	49.35	126.1	21.70	19.20	15.71

#1	<.0000	.0172	<.0000	<.0000	<.0000	<.0000	.0686
#2	<.0000	.0017	<.0000	<.0000	<.0000	<.0000	.0611
#3	<.0000	.0017	<.0000	<.0000	<.0000	<.0000	.0464
#4	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0611

Elem	Si2881	Tl1908	V_2924	Zn2138
Avg	<.0000	.0181	<.0000	<.0000
SDev	.0104	.0720	.0017	.0004
%RSD	29.81	397.3	30.77	30.97

#1	<.0000	.0980	<.0000	<.0000
#2	<.0000	.0258	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0258	<.0000	<.0000

Method: IECW Sample Name: ipc rerun for Pb

Operator: it

Run Time: 09/25/01 15:38:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.5041	1.023	<.0000	.9559	.9612	.9547	.9839
SDev	.0012	.014	.0344	.0040	.0056	.0033	.0058
%RSD	.2382	1.406	680.5	.4154	.5814	.3447	.5876

#1	.5055	1.019	.0203	.9553	.9632	.9551	.9865
#2	.5048	1.039	<.0000	.9590	.9567	.9538	.9796
#3	.5028	1.005	.0254	.9589	.9682	.9590	.9908
#4	.5035	1.028	<.0000	.9506	.9567	.9511	.9787

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.9716	.9721	.9796	.9467	.9956	1.092	.9667
SDev	.0019	.0057	.0056	.0056	.0074	.552	.0016
%RSD	.1985	.5897	.5689	.5916	.7396	50.59	.1629

#1	.9727	.9804	.9839	.9478	1.004	1.138	.9643
#2	.9692	.9678	.9752	.9436	.9886	1.805	.9675
#3	.9709	.9715	.9849	.9542	.9994	.4702	.9675
#4	.9735	.9687	.9743	.9414	.9902	.9556	.9675

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.9600	.9626	.9866	.9811	.9481	.9329	<.0000
SDev	.0032	.0200	.0366	.0055	.0342	.0288	.0299
%RSD	.3299	2.074	3.712	.5580	3.603	3.089	96.09

#1	.9604	.9493	1.038	.9871	.9404	.9625	.0041
#2	.9566	.9426	.9686	.9806	.9268	.9455	<.0000
#3	.9641	.9737	.9536	.9740	.9268	.9288	<.0000
#4	.9588	.9848	.9867	.9828	.9984	.8950	<.0000

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	1.034	.9936	.9769	.9739
SDev	.007	.0745	.0047	.0006
%RSD	.6988	7.493	.4795	.0663

#1	1.030	1.014	.9779	.9746
#2	1.030	.9628	.9737	.9738
#3	1.045	1.086	.9831	.9742
#4	1.030	.9115	.9728	.9730

Analysis Report

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Method: IECW Sample Name: lfb

Operator: it

Run Time: 09/25/01 15:41:16

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1936	B_2496	Ba4934	Be3130	Ca3179
Avge	.0087	.2587	.2102	.2446	.2393	.0471	.0185
SDev	.0030	.0144	.0306	.0011	.0013	.0001	.0045
%RSD	34.52	5.568	14.54	.4392	.5605	.3250	24.54

#1	.0122	.2702	.1661	.2457	.2377	.0472	.0247
#2	.0082	.2702	.2135	.2435	.2409	.0472	.0184
#3	.0095	.2539	.2287	.2439	.2393	.0469	.0167
#4	.0049	.2404	.2326	.2454	.2393	.0471	.0141

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	.1006	.0988	.2470	.2588	.2598	<.0000	.0078
SDev	.0021	.0005	.0016	.0012	.0022	.8600	.0233
%RSD	2.060	.4998	.6624	.4722	.8363	109.0	299.2

#1	.1019	.0990	.2468	.2598	.2567	<.0000	.0172
#2	.1010	.0993	.2487	.2598	.2598	<.0000	<.0000
#3	.0975	.0981	.2478	.2577	.2613	<.0000	.0361
#4	.1019	.0990	.2449	.2577	.2614	<.0000	<.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	.2418	.0926	.0442	.2502	.2447	.2122	.2026
SDev	.0013	.0061	.0104	.0059	.0361	.0252	.0408
%RSD	.5322	6.607	23.51	2.353	14.76	11.86	20.11

#1	.2424	.0987	.0412	.2428	.2515	.2480	.1933
#2	.2402	.0854	.0593	.2538	.2925	.2058	.2601
#3	.2417	.0965	.0412	.2559	.2106	.2058	.1637
#4	.2432	.0898	.0352	.2483	.2242	.1890	.1934

Elem	Si2881	Tl1908	V_2924	Zn2138
Avge	.2120	.2430	.0962	.2489
SDev	.0120	.0718	.0025	.0014
%RSD	5.663	29.56	2.643	.5818

#1	.2132	.2686	.0990	.2501
#2	.2084	.3302	.0930	.2501
#3	.2276	.1660	.0973	.2470
#4	.1988	.2071	.0956	.2485

Method: IECW Sample Name: lrb
 Run Time: 09/25/01 15:44:40
 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	.0008	.0169	.0313	.0007	.0008	.0000	.0015
%RSD	71.90	142.3	59.82	23.50	50.01	4.167	89.21
#1	<.0000	.0020	<.0000	<.0000	<.0000	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	.0034	<.0000	<.0000	<.0000	<.0000	<.0000
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	.1062	<.0000
SDev	.0012	.0020	.0019	.0016	.0029	.3210	.0239
%RSD	55.12	95.64	107.3	66.66	153.7	302.4	178.6
#1	<.0000	<.0000	.0005	<.0000	<.0000	.2882	.0205
#2	<.0000	<.0000	<.0000	<.0000	<.0000	.0455	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#4	<.0000	<.0000	<.0000	<.0000	.0019	.4095	<.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Pb2203	Sb2068	Se1960
Avge	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
SDev	.0006	.0044	.0214	.0052	.0260	.0232	.0699
%RSD	65.32	12.11	69.44	381.6	234.4	44.10	210.0
#1	<.0000	<.0000	<.0000	.0019	.0162	<.0000	<.0000
#2	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000
#3	<.0000	<.0000	<.0000	<.0000	<.0000	<.0000	.0538
#4	<.0000	<.0000	<.0000	.0019	<.0000	<.0000	<.0000
Elem	Si2881	Tl1908	V_2924	Zn2138			
Avge	<.0000	.0847	<.0000	<.0000			
SDev	.0133	.0374	.0014	.0014			
%RSD	556.9	44.19	48.78	369.5			
#1	<.0000	.1051	<.0000	<.0000			
#2	.0109	.0642	<.0000	<.0000			
#3	<.0000	.0437	<.0000	<.0000			
#4	.0060	.1257	<.0000	.0012			