This document was too large to scan as a whole document, therefore it required breaking into smaller sections.

Document number: SD-WM-DP-170

Section 2 **of** 4

Title: Final Results for Tank 241BX112 Push Mode Cores 118 & 119 [Pgs 601 Thru 1200]

Date: 08/07/1996 **Revision:** R001

Originator: Conner JM
Co: WHC

Recipient:
Co:

References: ECN-633319

%RSD	17.15	167.5	1538.	.2163	47.01	.2669	22.56
#1	.0379	.0142	.0005	1.963	.0795	.9701	.0138
#2	.0274	.0192	-.0002	1.960	.0941	.9715	.0201
#3	.0372	-.0077	-.0002	1.954	.1827	.9665	.0139

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0003	1.010	-.0012
SDev	.0006	.003	.0013
%RSD	195.7	.2733	109.8
#1	.0010	1.007	-.0019
#2	.0002	1.012	-.0019
#3	-.0002	1.011	.0003

Analysis Report Tue 02-20-96 09:50:32 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/20/96 09:49:13
Comment: (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0090	-.0042	-.0034	.0013	.0013	.0084
SDev	.0005	.0061	.0099	.0030	.0001	.0001	.0029
%RSD	30.04	68.07	233.7	89.50	6.729	12.01	35.04
#1	.0012	.0037	-.0073	-.0039	.0012	.0014	.0065
#2	.0014	.0157	-.0123	-.0001	.0012	.0013	.0118
#3	.0021	.0075	.0069	-.0062	.0014	.0011	.0069

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0054	.0051	-.0016	.0006	-.0009	.0013	-.0000
SDev	.0006	.0045	.0044	.0006	.0004	.0008	.0005
%RSD	11.53	87.55	267.6	110.2	39.82	58.52	1612.
#1	-.0053	-.0000	.0032	-.0002	-.0007	.0007	-.0003
#2	-.0060	.0074	-.0053	.0009	-.0013	.0011	-.0003
#3	-.0049	.0080	-.0028	.0009	-.0007	.0021	.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0036	-.1106	.0026	.0032	-.0051	-.0003
SDev	.0003	.0008	.1120	.0008	.0003	.0077	.0001
%RSD	150.6	22.89	101.3	27.20	9.116	149.5	35.59
#1	-.0001	-.0031	-.1501	.0021	.0028	-.0012	-.0003
#2	.0001	-.0045	-.1975	.0028	.0033	-.0139	-.0005
#3	.0006	-.0032	.0158	.0036	.0033	-.0002	-.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	.0275	.0019	.0207	-.0040	.0027	.0186
SDev	.0014	.0152	.0044	.0026	.0182	.0059	.0121
%RSD	42.72	55.01	229.8	12.64	459.5	215.8	64.96
#1	.0045	.0218	-.0016	.0222	.0101	-.0034	.0048
#2	.0039	.0161	.0005	.0222	.0026	.0033	.0235
#3	.0018	.0447	.0069	.0177	-.0245	.0084	.0274

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.0028	-.0081	.0085	.2450	.0142	.0026
SDev	.0031	.0004	.0141	.0146	.0043	.0196	.0003
%RSD	79.54	12.89	175.1	171.9	1.753	130.4	11.07
#1	.0014	.0029	-.0204	.0085	.2490	.0116	.0029
#2	.0029	.0031	-.0113	-.0061	.2405	-.0029	.0025
#3	.0075	.0024	.0074	.0230	.2455	.0339	.0023

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0175	-.0013	-.0005	.0057	.0683	.0012	.0053
SDev	.0017	.0033	.0001	.0026	.0384	.0002	.0086

%RSD	9.741	247.4	28.40	44.90	56.25	18.04	160.5
#1	.0193	-.0021	-.0006	.0086	.0248	.0011	.0027
#2	.0170	-.0042	-.0005	.0038	.0975	.0015	.0150
#3	.0160	.0023	-.0004	.0047	.0826	.0010	-.0016

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0000	-.0018	-.0015
SDev	.0002	.0001	.0007
%RSD	584.5	4.694	42.74
#1	-.0001	-.0018	-.0021
#2	.0002	-.0018	-.0017
#3	-.0002	-.0019	-.0006

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Method: ICP1A Sample Name: 96-2608-BLK Operator: DRS
Run Time: 02/20/96 09:51:20
Comment: PROCESS BLANK (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	.2728	.0603	.0172	.0037	.0008	.0340
SDev	.0002	.0067	.0081	.0034	.0002	.0001	.0031
%RSD	2.685	2.453	13.47	19.73	4.635	8.947	9.214
#1	.0088	.2652	.0642	.0149	.0039	.0008	.0304
#2	.0092	.2775	.0658	.0211	.0036	.0008	.0363
#3	.0093	.2758	.0510	.0156	.0036	.0007	.0353

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4578	-.0052	.0525	.0167	.0076	.0193	.0079
SDev	.0081	.0044	.0016	.0001	.0016	.0008	.0002
%RSD	1.778	83.61	3.086	.9131	20.78	4.233	2.673
#1	.4498	-.0052	.0525	.0165	.0057	.0202	.0082
#2	.4576	-.0095	.0541	.0167	.0085	.0185	.0078
#3	.4660	-.0008	.0509	.0168	.0085	.0192	.0079

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	.0519	2430.	.0164	.0076	.1143	.0773
SDev	.0000	.0007	40.	.0008	.0018	.0071	.0016
%RSD	.4504	1.433	1.651	5.045	22.90	6.213	2.016
#1	.0028	.0511	2390.	.0171	.0078	.1222	.0755
#2	.0028	.0521	2431.	.0167	.0093	.1119	.0778
#3	.0029	.0525	2470.	.0155	.0058	.1056	.0785

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0146	1.141	.0478	.9629	.0783	.0534	.1580
SDev	.0006	.020	.0041	.0112	.0105	.0018	.0175
%RSD	3.833	1.761	8.527	1.160	13.37	3.314	11.08
#1	.0142	1.120	.0514	.9560	.0669	.0514	.1782
#2	.0144	1.143	.0486	.9568	.0876	.0544	.1482
#3	.0153	1.160	.0434	.9758	.0804	.0545	.1475

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0662	.0329	.0571	.0611	.7813	.2273	.0044
SDev	.0044	.0010	.0038	.0072	.0095	.0095	.0001
%RSD	6.729	3.078	6.577	8.929	1.210	4.169	1.770
#1	.0696	.0321	.0604	.0730	.7896	.2382	.0045
#2	.0673	.0341	.0580	.0668	.7833	.2214	.0044
#3	.0612	.0326	.0530	.0836	.7710	.2223	.0044

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0666	.0013	.0078	.0530	.8154	.0080	.0137
SDev	.0074	.0056	.0002	.0039	.0331	.0004	.0035

%RSD	11.09	450.8	3.045	7.333	4.065	4.809	25.79
#1	.0592	-.0041	.0078	.0569	.8368	.0081	.0177
#2	.0739	.0008	.0081	.0531	.8322	.0083	.0116
#3	.0667	.0071	.0076	.0491	.7772	.0076	.0117

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0027	.0056	.0060
SDev	.0002	.0005	.0003
%RSD	7.526	9.171	4.807
#1	.0029	.0050	.0062
#2	.0029	.0060	.0061
#3	.0025	.0058	.0057

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Analysis Report

Method: ICP1A Sample Name: 96-2606 @5 Operator: DRS
Run Time: 02/20/96 09:54:51
Comment: 118.1AB.F @5X DIL (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	.9576	.0183	-.0128	.0020	.0002	.8591
SDev	.0001	.0027	.0094	.0037	.0001	.0000	.0064
%RSD	1.961	.2799	51.33	29.23	7.549	14.68	.7405
#1	.0036	.9582	.0082	-.0104	.0018	.0002	.8600
#2	.0037	.9599	.0199	-.0171	.0021	.0002	.8649
#3	.0035	.9547	.0269	-.0109	.0020	.0002	.8523

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1056	.0007	.0280	.0051	.0500	.0043	.0038
SDev	.0011	.0039	.0012	.0002	.0013	.0010	.0009
%RSD	1.031	546.5	4.319	4.803	2.555	23.88	24.53
#1	.1052	.0037	.0269	.0049	.0511	.0054	.0030
#2	.1068	.0022	.0293	.0051	.0503	.0040	.0048
#3	.1048	-.0037	.0277	.0054	.0486	.0034	.0036

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.5445	512.4	.0082	.0174	.0276	.0231
SDev	.0001	.0006	1.1	.0007	.0008	.0083	.0003
%RSD	9.286	.1025	.2101	8.279	4.364	29.89	1.344
#1	.0012	.5444	513.7	.0076	.0183	.0368	.0234
#2	.0014	.5452	511.9	.0082	.0168	.0254	.0232
#3	.0012	.5441	511.7	.0089	.0173	.0207	.0228

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	4.996	.0231	.1930	1.216	.0278	.0772
SDev	.0012	.047	.0074	.0057	.018	.0069	.0152
%RSD	18.83	.9331	31.95	2.940	1.446	24.69	19.70
#1	.0065	5.029	.0146	.1994	1.222	.0309	.0597
#2	.0050	5.017	.0278	.1908	1.230	.0199	.0852
#3	.0073	4.943	.0270	.1887	1.196	.0325	.0869

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0314	.0139	.0223	.0487	.5477	.1004	.0076
SDev	.0031	.0009	.0079	.0079	.0059	.0225	.0001
%RSD	9.898	6.480	35.62	16.16	1.084	22.37	1.035
#1	.0287	.0142	.0259	.0397	.5546	.0758	.0075
#2	.0348	.0129	.0132	.0540	.5447	.1199	.0075
#3	.0306	.0146	.0277	.0524	.5439	.1055	.0077

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0415	.0063	.0029	.0330	.4378	.0034	.0131
SDev	.0063	.0094	.0002	.0122	.0807	.0002	.0031

%RSD	15.16	148.8	7.879	36.85	18.43	6.388	23.96
#1	.0482	.0122	.0026	.0346	.3456	.0033	.0104
#2	.0357	-.0045	.0030	.0201	.4721	.0033	.0123
#3	.0406	.0113	.0030	.0443	.4956	.0037	.0165

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0016	.0005	.0026
SDev	.0003	.0007	.0011
%RSD	22.58	131.9	40.08
#1	.0012	.0013	.0017
#2	.0015	.0002	.0038
#3	.0019	.0000	.0024

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Method: ICP1A Sample Name: 96-2606 Operator: DRS
Run Time: 02/20/96 09:58:23
Comment: 118.1AB.F (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0093	4.504	.0592	.0023	.0075	.0003	4.063
SDev	.0004	.051	.0137	.0030	.0001	.0001	.032
%RSD	4.569	1.138	23.13	130.5	1.157	15.39	.7833
#1	.0092	4.452	.0474	-.0011	.0075	.0003	4.028
#2	.0098	4.507	.0558	.0034	.0075	.0004	4.090
#3	.0090	4.554	.0742	.0045	.0074	.0003	4.071

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5186	.0070	.0782	.0156	.2430	.0163	.0088
SDev	.0063	.0066	.0060	.0004	.0056	.0019	.0004
%RSD	1.209	93.54	7.719	2.651	2.319	11.89	4.887
#1	.5123	.0041	.0772	.0160	.2380	.0176	.0090
#2	.5188	.0146	.0726	.0158	.2418	.0140	.0090
#3	.5248	.0024	.0847	.0152	.2491	.0171	.0083

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	2.608	2381.	.0169	.0817	.1249	.1132
SDev	.0001	.030	24.	.0010	.0008	.0059	.0008
%RSD	3.634	1.147	1.013	6.177	.9314	4.689	.7349
#1	.0035	2.578	2356.	.0121	.0815	.1190	.1122
#2	.0033	2.608	2383.	.0166	.0810	.1308	.1136
#3	.0035	2.638	2404.	.0160	.0825	.1250	.1137

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0202	23.52	.0525	.8687	5.957	.0805	.1667
SDev	.0001	.19	.0032	.0070	.065	.0063	.0049
%RSD	.6100	.8285	5.999	.8010	1.095	7.806	2.935
#1	.0203	23.30	.0561	.8610	5.911	.0744	.1714
#2	.0201	23.56	.0515	.8746	5.928	.0802	.1617
#3	.0203	23.69	.0500	.8705	6.031	.0870	.1669

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0764	.0392	.0690	.0909	2.272	.2825	.0342
SDev	.0011	.0014	.0091	.0227	.012	.0128	.0003
%RSD	1.512	3.581	13.22	24.93	.5252	4.539	1.005
#1	.0764	.0399	.0790	.0656	2.259	.2691	.0338
#2	.0775	.0402	.0610	.1092	2.274	.2947	.0342
#3	.0752	.0376	.0671	.0979	2.283	.2839	.0345

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0798	.0032	.0113	.0566	1.093	.0087	.0272
SDev	.0091	.0059	.0003	.0044	.058	.0001	.0097

%RSD	11.39	184.5	2.427	7.870	5.347	.8286	35.70
#1	.0768	-.0032	.0113	.0527	1.154	.0087	.0382
#2	.0727	.0045	.0116	.0557	1.037	.0088	.0197
#3	.0901	.0084	.0110	.0614	1.089	.0087	.0238

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0035	.0108	.0130
SDev	.0004	.0003	.0002
%RSD	10.90	3.192	1.342
#1	.0034	.0109	.0132
#2	.0031	.0110	.0129
#3	.0039	.0104	.0128

Method: ICP1A Sample Name: 96-2606-PS-A Operator: DRS
Run Time: 02/20/96 10:02:03
Comment: 118.1AB.F POST SPIKE A (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2569	7.437	1.422	1.042	.2592	.0511	14.62
SDev	.0014	.055	.024	.014	.0020	.0004	.12
%RSD	.5624	.7438	1.714	1.375	.7891	.8188	.8356
#1	.2582	7.474	1.431	1.050	.2601	.0512	14.71
#2	.2553	7.373	1.395	1.026	.2568	.0506	14.48
#3	.2571	7.464	1.442	1.051	.2606	.0514	14.66

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.18	.2596	.0544	.5367	.6529	.5010	.0064
SDev	.09	.0090	.0039	.0051	.0028	.0055	.0006
%RSD	.7099	3.477	7.110	.9449	.4357	1.105	8.538
#1	13.23	.2579	.0513	.5381	.6561	.5034	.0058
#2	13.07	.2516	.0587	.5311	.6519	.4947	.0068
#3	13.23	.2694	.0532	.5410	.6507	.5049	.0066

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	11.90	1263.	.0157	1.043	17.08	.3225
SDev	.0002	.10	10.	.0014	.011	.15	.0024
%RSD	5.983	.8169	.7638	9.168	1.021	.8890	.7415
#1	.0033	11.94	1268.	.0149	1.051	17.17	.3241
#2	.0037	11.79	1252.	.0173	1.031	16.90	.3198
#3	.0035	11.97	1269.	.0148	1.047	17.16	.3237

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5433	31.27	.0439	.9719	5.674	1.376	.1156
SDev	.0060	.21	.0029	.0110	.046	.019	.0093
%RSD	1.105	.6814	6.541	1.132	.8158	1.399	8.038
#1	.5491	31.43	.0408	.9819	5.694	1.396	.1095
#2	.5371	31.03	.0464	.9602	5.621	1.358	.1263
#3	.5436	31.36	.0445	.9737	5.706	1.372	.1110

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0553	.0320	1.735	1.408	11.02	.2744	.2782
SDev	.0046	.0031	.010	.021	.07	.0138	.0023
%RSD	8.252	9.590	.5523	1.500	.6133	5.033	.8221
#1	.0580	.0285	1.739	1.402	11.06	.2773	.2794
#2	.0579	.0330	1.725	1.391	10.94	.2864	.2756
#3	.0500	.0344	1.743	1.432	11.05	.2593	.2797

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0796	.0213	.5224	1.334	.8234	.5218	.0482
SDev	.0034	.0019	.0041	.008	.0708	.0037	.0094

%RSD	4.289	9.141	.7815	.5790	8.602	.7087	19.56
#1	.0763	.0191	.5249	1.325	.7599	.5239	.0460
#2	.0831	.0224	.5177	1.340	.8998	.5176	.0400
#3	.0792	.0225	.5247	1.337	.8106	.5240	.0585

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0032	.5333	1.041
SDev	.0004	.0048	.008
%RSD	12.95	.9029	.7899
#1	.0030	.5359	1.045
#2	.0037	.5277	1.031
#3	.0030	.5362	1.046

Analysis Report Tue 02-20-96 10:06:52 AM page 1

Method: ICP1A Sample Name: MCVA @2 Operator: DRS
Run Time: 02/20/96 10:05:33
Comment: MCVA 9601301901 @2X DIL (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2633	5.205	1.395	1.057	.2644	.0509	12.91
SDev	.0018	.030	.005	.007	.0017	.0003	.10
%RSD	.6902	.5690	.3748	.6776	.6384	.6909	.8121
#1	.2651	5.239	1.395	1.064	.2664	.0513	13.03
#2	.2633	5.184	1.400	1.058	.2634	.0507	12.84
#3	.2615	5.193	1.390	1.050	.2635	.0507	12.87

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.99	.2502	-.0025	.5384	.5316	.4919	-.0005
SDev	.07	.0097	.0049	.0016	.0080	.0006	.0008
%RSD	.5335	3.866	195.9	.2895	1.506	.1325	157.4
#1	13.07	.2609	.0020	.5402	.5385	.4923	-.0013
#2	12.96	.2478	-.0019	.5373	.5228	.4923	.0003
#3	12.95	.2420	-.0077	.5376	.5334	.4912	-.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	10.79	14.38	.0036	1.046	17.43	.2682
SDev	.0001	.06	.37	.0005	.010	.11	.0022
%RSD	9.602	.5253	2.559	12.85	.9113	.6355	.8042
#1	.0010	10.85	14.74	.0040	1.057	17.56	.2702
#2	.0012	10.75	14.40	.0035	1.039	17.36	.2659
#3	.0012	10.76	14.00	.0031	1.044	17.38	.2683

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5380	19.61	.0023	.5334	2.583	1.342	.0057
SDev	.0058	.12	.0066	.0030	.010	.003	.0103
%RSD	1.076	.6129	283.8	.5574	.3905	.2200	180.3
#1	.5443	19.73	-.0035	.5349	2.594	1.345	.0048
#2	.5367	19.49	.0096	.5300	2.574	1.339	.0164
#3	.5329	19.61	.0009	.5354	2.582	1.343	-.0041

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.0082	1.703	1.363	10.01	.0930	.2693
SDev	.0054	.0029	.017	.018	.05	.0122	.0017
%RSD	167.4	35.96	1.006	1.309	.4972	13.13	.6334
#1	-.0018	.0059	1.719	1.382	10.07	.0831	.2712
#2	.0089	.0071	1.685	1.360	9.992	.1067	.2681
#3	.0025	.0115	1.705	1.347	9.976	.0893	.2685

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0414	.0183	.5253	1.334	.0914	.5245	.0130
SDev	.0118	.0071	.0029	.010	.0480	.0029	.0048

%RSD	28.49	38.53	.5446	.7695	52.54	.5483	36.95
#1	.0406	.0125	.5286	1.330	.0361	.5278	.0157
#2	.0535	.0164	.5234	1.346	.1224	.5232	.0075
#3	.0300	.0262	.5238	1.328	.1157	.5226	.0159

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0008	.5316	1.048
SDev	.0004	.0038	.007
%RSD	52.02	.7070	.6368
#1	.0003	.5335	1.056
#2	.0011	.5339	1.044
#3	.0011	.5272	1.044

Analysis Report Tue 02-20-96 10:10:34 AM page 1

Method: ICP1A Sample Name: 96-2606-PS-B Operator: DRS
Run Time: 02/20/96 10:09:15
Comment: 118.1AB.F POST SPIKE B (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0123	2.269	.2009	-.0212	.0049	.0007	2.173
SDev	.0013	.001	.0066	.0036	.0001	.0000	.013
%RSD	10.50	.0657	3.272	17.15	1.772	4.384	.6125
#1	.0108	2.268	.1994	-.0244	.0048	.0007	2.173
#2	.0131	2.271	.2081	-.0220	.0048	.0007	2.160
#3	.0130	2.269	.1952	-.0173	.0050	.0008	2.187

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2951	-.0048	1.020	.0118	.1256	.0243	.9870
SDev	.0012	.0063	.007	.0001	.0017	.0014	.0011
%RSD	.4054	132.2	.6882	.6462	1.334	5.890	.1137
#1	.2952	.0024	1.012	.0117	.1258	.0258	.9883
#2	.2962	-.0071	1.021	.0119	.1239	.0239	.9862
#3	.2939	-.0096	1.026	.0119	.1272	.0230	.9864

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9814	1.354	1229.	.4937	.0450	.0667	.0584
SDev	.0006	.001	1.	.0030	.0015	.0041	.0004
%RSD	.0559	.0398	.0983	.6043	3.382	6.154	.7373
#1	.9820	1.355	1231.	.4904	.0437	.0666	.0584
#2	.9809	1.354	1229.	.4944	.0447	.0709	.0579
#3	.9815	1.354	1228.	.4962	.0467	.0627	.0588

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0166	12.27	1.006	.5251	3.081	.1848	1.077
SDev	.0006	.02	.010	.0053	.044	.0039	.029
%RSD	3.930	.1614	.9580	1.018	1.443	2.127	2.661
#1	.0160	12.25	1.001	.5312	3.030	.1867	1.068
#2	.0173	12.29	1.000	.5222	3.101	.1874	1.054
#3	.0164	12.25	1.017	.5218	3.111	.1803	1.109

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.045	1.080	.1329	.1084	11.65	1.257	.0193
SDev	.004	.004	.0063	.0080	1.07	.028	.0001
%RSD	.3925	.4068	4.742	7.350	9.175	2.261	.4109
#1	1.042	1.074	.1259	.1135	10.61	1.226	.0193
#2	1.044	1.081	.1382	.0992	11.60	1.282	.0194
#3	1.050	1.083	.1345	.1124	12.75	1.263	.0193

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.086	1.517	.0096	.0622	12.52	.0080	1.029
SDev	.015	.018	.0004	.0099	.10	.0008	.014

%RSD	1.356	1.202	4.432	15.96	.8124	9.530	1.393
#1	1.075	1.504	.0091	.0540	12.57	.0075	1.029
#2	1.080	1.538	.0097	.0733	12.40	.0076	1.015
#3	1.103	1.510	.0099	.0594	12.59	.0089	1.043

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.4705	.0093	-.0024
SDev	.0006	.0014	.0015
%RSD	.1168	15.07	62.02
#1	.4703	.0106	-.0014
#2	.4700	.0078	-.0040
#3	.4711	.0097	-.0016

Analysis Report Tue 02-20-96 10:14:38 AM page 1

Method: ICP1A Sample Name: MCVB1@2 Operator: DRS
Run Time: 02/20/96 10:13:19
Comment: MCVB1960123I901 @2X DIL (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	-.0460	.1631	-.0093	.0005	.0005	.0677
SDev	.0009	.0041	.0112	.0093	.0001	.0001	.0045
%RSD	19.65	8.833	6.864	99.72	16.13	9.420	6.640
#1	.0051	-.0435	.1572	-.0191	.0005	.0006	.0703
#2	.0035	-.0438	.1562	-.0082	.0005	.0005	.0703
#3	.0048	-.0507	.1761	-.0006	.0006	.0005	.0626

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0049	.9805	.0013	.0016	.0092	.9871
SDev	.0010	.0008	.0045	.0010	.0027	.0006	.0081
%RSD	96.96	15.37	.4552	80.09	164.8	5.994	.8198
#1	.0022	-.0057	.9758	.0023	-.0007	.0098	.9791
#2	.0004	-.0042	.9811	.0002	.0010	.0089	.9869
#3	.0005	-.0050	.9847	.0013	.0045	.0087	.9953

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9905	.0037	.7427	.4871	.0005	-.0314	-.0008
SDev	.0088	.0006	.1901	.0016	.0014	.0052	.0003
%RSD	.8860	16.47	25.60	.3211	288.7	16.68	38.68
#1	.9827	.0043	.9402	.4860	.0013	-.0265	-.0009
#2	.9888	.0031	.7269	.4865	-.0012	-.0308	-.0010
#3	1.000	.0037	.5610	.4889	.0013	-.0369	-.0004

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0054	.0940	.9774	.0773	.0536	.1435	.9983
SDev	.0007	.0250	.0057	.0023	.0129	.0078	.0156
%RSD	13.69	26.63	.5835	2.961	24.10	5.418	1.559
#1	.0047	.1113	.9711	.0793	.0644	.1524	.9910
#2	.0061	.1054	.9788	.0748	.0571	.1394	1.016
#3	.0053	.0653	.9823	.0777	.0393	.1385	.9877

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	1.061	.0661	.0563	9.926	1.124	.0013
SDev	.003	.006	.0061	.0176	.879	.027	.0000
%RSD	.2622	.5305	9.188	31.23	8.852	2.386	.0549
#1	1.013	1.055	.0714	.0360	9.059	1.154	.0013
#2	1.013	1.062	.0673	.0657	9.904	1.103	.0013
#3	1.017	1.066	.0595	.0673	10.82	1.114	.0013

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.043	1.512	.0022	.0247	12.13	.0016	1.000
SDev	.007	.020	.0004	.0081	.07	.0006	.010

%RSD	.6896	1.294	19.31	33.01	.6115	35.99	.9664
#1	1.035	1.505	.0027	.0299	12.04	.0021	.9927
#2	1.049	1.497	.0021	.0153	12.16	.0015	.9969
#3	1.045	1.534	.0018	.0288	12.18	.0010	1.011

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.4672	.0005	-.0107
SDev	.0037	.0003	.0007
%RSD	.7911	61.01	6.291
#1	.4644	.0003	-.0113
#2	.4658	.0003	-.0100
#3	.4714	.0008	-.0110

Analysis Report Tue 02-20-96 10:18:14 AM page 1

Method: ICP1A Sample Name: 96-2606 DUP Operator: DRS
Run Time: 02/20/96 10:16:56
Comment: 118.1AB.F DUPLICATE (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	5.813	.0590	.1984	.0083	.0003	5.236
SDev	.0001	.011	.0075	.0173	.0001	.0001	.010
%RSD	.6515	.1871	12.66	8.740	1.810	29.50	.1919
#1	.0080	5.823	.0579	.2117	.0083	.0002	5.238
#2	.0079	5.801	.0522	.2046	.0081	.0002	5.225
#3	.0080	5.815	.0670	.1788	.0084	.0004	5.245

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5590	-.0095	.0795	.0165	.3169	.0128	.0092
SDev	.0004	.0008	.0034	.0001	.0047	.0011	.0004
%RSD	.0683	8.507	4.342	.7805	1.499	8.561	4.685
#1	.5591	-.0098	.0784	.0164	.3212	.0119	.0089
#2	.5586	-.0086	.0768	.0165	.3118	.0124	.0089
#3	.5593	-.0102	.0834	.0167	.3177	.0140	.0097

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	3.365	2400.	.0164	.1035	.1348	.1113
SDev	.0001	.006	5.	.0017	.0010	.0023	.0005
%RSD	2.570	.1862	.1914	10.51	.9631	1.730	.4380
#1	.0046	3.365	2405.	.0145	.1045	.1322	.1110
#2	.0048	3.358	2395.	.0170	.1035	.1368	.1112
#3	.0048	3.370	2399.	.0178	.1025	.1353	.1119

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0213	29.91	.0534	.9718	7.327	.0793	.1550
SDev	.0004	.07	.0045	.0033	.043	.0089	.0145
%RSD	1.984	.2430	8.488	.3394	.5841	11.19	9.361
#1	.0208	29.99	.0512	.9684	7.377	.0707	.1401
#2	.0213	29.87	.0503	.9749	7.306	.0884	.1557
#3	.0217	29.87	.0585	.9721	7.299	.0789	.1691

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0680	.0392	.0515	.1039	8.511	.2830	.0415
SDev	.0097	.0005	.0195	.0134	.371	.0162	.0001
%RSD	14.28	1.382	37.92	12.86	4.360	5.736	.1883
#1	.0577	.0391	.0290	.0996	8.877	.2699	.0415
#2	.0694	.0398	.0619	.0932	8.520	.2779	.0415
#3	.0769	.0388	.0636	.1188	8.135	.3012	.0416

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0744	.0051	.0186	.0549	1.026	.0091	.0205
SDev	.0103	.0062	.0003	.0081	.024	.0006	.0024

%RSD	13.85	122.2	1.794	14.77	2.354	7.165	11.63
#1	.0703	.0121	.0186	.0596	.9983	.0089	.0221
#2	.0668	.0027	.0183	.0455	1.041	.0086	.0178
#3	.0862	.0004	.0189	.0595	1.040	.0098	.0218

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0039	.0115	.0158
SDev	.0000	.0005	.0012
%RSD	.4688	4.651	7.852
#1	.0039	.0121	.0145
#2	.0039	.0112	.0159
#3	.0039	.0112	.0170

Analysis Report QC Standard Tue 02-20-96 10:22:20 AM page 1

Method: ICP1A Sample Name: QC_MCVA 960130I901 Operator: DRS
Run Time: 02/20/96 10:21:01
Comment: (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass* RKS 2/20/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5223	10.33	2.747	2.196	.5232	.0993	25.49
SDev	.0051	.11	.041	.032	.0056	.0011	.32
%RSD	.9794	1.059	1.509	1.462	1.078	1.123	1.243
#1	.5164	10.21	2.710	2.159	.5167	.0981	25.12
#2	.5255	10.40	Q2.792	Q2.217	.5269	.1001	25.69
#3	.5251	10.39	2.739	Q2.213	.5260	.0999	25.66
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.75	.5007	.0083	1.061	1.066	.9588	.0015
SDev	.28	.0090	.0071	.012	.012	.0086	.0009
%RSD	1.100	1.799	85.79	1.157	1.142	.8939	59.30
#1	25.42	.4907	.0092	1.047	1.052	.9489	.0025
#2	25.92	.5032	.0007	1.069	1.076	.9640	.0010
#3	25.91	.5082	.0148	1.068	1.070	.9634	.0010
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	21.30	25.91	.0074	2.068	34.29	.5303
SDev	.0002	.24	.13	.0011	.027	.36	.0074
%RSD	7.507	1.105	.5201	14.60	1.291	1.058	1.389
#1	.0029	21.03	26.07	.0085	2.037	33.87	.5219
#2	.0025	21.44	25.88	.0063	2.086	Q34.51	.5336
#3	.0027	21.43	25.80	.0075	2.079	Q34.49	.5355
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.067	38.70	.0129	1.053	5.094	2.658	.0136
SDev	.013	.43	.0046	.011	.070	.022	.0180
%RSD	1.180	1.111	35.35	1.048	1.373	.8115	131.9
#1	1.053	38.20	.0166	1.040	5.014	2.633	.0333
#2	1.077	38.97	.0078	1.060	5.142	2.673	-.0019
#3	1.070	38.92	.0143	1.059	5.125	2.668	.0094
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Analysis Report QC Standard Tue 02-20-96 10:22:20 AM page 2

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	.0210	03.416	2.743	20.84	.1805	.5331
SDev	.0066	.0014	.036	.031	.17	.0126	.0062
%RSD	101.0	6.698	1.058	1.145	.8104	6.994	1.161
#1	.0137	.0203	03.377	2.707	20.65	.1860	.5259
#2	.0007	.0226	03.424	02.756	20.96	.1661	.5370
#3	.0052	.0200	03.448	02.766	20.91	.1895	.5363
Errors	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0712	.0348	1.042	2.644	.2232	1.037	.0352
SDev	.0110	.0065	.012	.019	.0330	.011	.0037
%RSD	15.38	18.66	1.161	.7346	14.76	1.070	10.43
#1	.0836	.0273	1.028	2.632	.2480	1.035	.0374
#2	.0673	.0389	1.049	2.640	.1858	1.045	.0371
#3	.0628	.0383	1.050	2.645	.2357	1.043	.0309
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0019	1.052	2.060
SDev	.0004	.014	.023
%RSD	21.27	1.339	1.133
#1	.0023	1.036	2.083
#2	.0019	1.064	2.095
#3	.0015	1.054	2.092
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report Tue 02-20-96 10:26:49 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/20/96 10:25:30
Comment: 118.1AB.F DUPLICATE (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0148	.0043	.0038	.0005	.0001	.0254
SDev	.0005	.0021	.0036	.0009	.0001	.0000	.0053
%RSD	41.60	14.47	84.81	15.33	16.13	4.805	20.70
#1	.0016	.0124	.0007	.0065	.0005	.0001	.0239
#2	.0007	.0156	.0079	.0061	.0006	.0001	.0210
#3	.0011	.0165	.0042	.0048	.0005	.0001	.0312

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	-.0054	.0070	.0017	-.0017	-.0006	.0010
SDev	.0010	.0030	.0037	.0010	.0036	.0004	.0005
%RSD	21.19	55.41	52.45	56.31	208.9	61.97	48.34
#1	.0053	-.0059	.0050	.0008	.0024	-.0007	.0014
#2	.0049	-.0022	.0112	.0027	-.0034	-.0009	.0011
#3	.0034	-.0082	.0048	.0016	-.0043	-.0002	.0004

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0085	.2528	.0047	.0012	.0140	-.0009
SDev	.0001	.0005	.0627	.0012	.0003	.0004	.0003
%RSD	13.47	6.396	24.80	25.40	65.47	2.797	30.40
#1	.0008	.0082	.2054	.0035	.0018	.0139	-.0012
#2	.0010	.0087	.3239	.0059	.0013	.0144	-.0009
#3	.0008	.0078	.2291	.0048	.0007	.0136	-.0007

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0618	.0060	-.0043	-.0123	-.0037	.0364
SDev	.0011	.0152	.0042	.0017	.0064	.0054	.0114
%RSD	60.90	24.53	69.49	38.83	51.62	148.0	31.33
#1	.0030	.0446	.0061	-.0062	-.0092	.0023	.0305
#2	.0020	.0676	.0101	-.0033	-.0196	-.0050	.0496
#3	.0007	.0733	.0018	-.0033	-.0081	-.0084	.0292

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0126	.0047	.0122	.0173	.5730	.0044	.0006
SDev	.0033	.0024	.0095	.0155	.0264	.0075	.0000
%RSD	25.87	50.00	78.04	89.41	4.608	169.6	.0892
#1	.0095	.0070	.0018	.0101	.5930	.0075	.0006
#2	.0160	.0023	.0142	.0068	.5830	-.0041	.0006
#3	.0123	.0049	.0206	.0351	.5431	.0099	.0006

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0111	-.0070	.0009	.0099	.1825	.0011	-.0009
SDev	.0031	.0033	.0001	.0054	.0448	.0003	.0051

%RSD	28.16	47.29	10.45	55.06	24.52	26.69	562.0
#1	.0075	-.0078	.0008	.0106	.1617	.0009	-.0016
#2	.0129	-.0098	.0009	.0041	.2339	.0015	.0045
#3	.0128	-.0033	.0009	.0149	.1519	.0009	-.0057

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0004	-.0018	.0014
SDev	.0004	.0009	.0002
%RSD	103.6	50.18	14.51
#1	.0002	-.0009	.0015
#2	.0009	-.0027	.0016
#3	.0002	-.0018	.0012

Analysis Report Tue 02-20-96 10:29:39 AM page 1

Method: ICP1A Sample Name: 96-2608 Operator: DRS
Run Time: 02/20/96 10:28:20
Comment: 118.28.F (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0077	3.571	.0494	.0279	.0075	.0003	5.151
SDev	.0006	.004	.0105	.0005	.0002	.0000	.007
%RSD	7.394	.1077	21.27	1.859	2.313	11.27	.1445
#1	.0070	3.574	.0541	.0284	.0077	.0003	5.156
#2	.0080	3.571	.0373	.0279	.0074	.0003	5.154
#3	.0080	3.567	.0566	.0274	.0074	.0003	5.142

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5411	-.0118	.0761	.0147	.4251	.0155	.0078
SDev	.0011	.0025	.0025	.0011	.0041	.0004	.0006
%RSD	.1986	21.28	3.299	7.582	.9667	2.661	7.837
#1	.5413	-.0128	.0743	.0141	.4220	.0154	.0077
#2	.5400	-.0090	.0769	.0141	.4235	.0160	.0072
#3	.5421	-.0137	.0750	.0160	.4297	.0152	.0084

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	2.479	2402.	.0163	.0198	.1374	.0813
SDev	.0003	.003	6.	.0014	.0005	.0023	.0004
%RSD	9.248	.1382	.2669	8.781	2.521	1.703	.4864
#1	.0031	2.483	2409.	.0146	.0203	.1392	.0810
#2	.0035	2.478	2400.	.0168	.0198	.1381	.0817
#3	.0037	2.477	2397.	.0174	.0193	.1347	.0811

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0230	26.72	.0507	.6213	5.781	.0675	.1582
SDev	.0004	.09	.0059	.0054	.004	.0087	.0038
%RSD	1.585	.3336	11.72	.8654	.0624	12.85	2.377
#1	.0232	26.81	.0446	.6250	5.782	.0593	.1609
#2	.0225	26.73	.0510	.6151	5.776	.0666	.1539
#3	.0232	26.63	.0564	.6238	5.783	.0765	.1597

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0707	.0392	.0647	.0847	2.623	.2562	.0408
SDev	.0024	.0029	.0100	.0126	.021	.0343	.0001
%RSD	3.352	7.498	15.52	14.85	.7903	13.39	.1944
#1	.0681	.0359	.0540	.0833	2.647	.2383	.0409
#2	.0715	.0400	.0662	.0729	2.615	.2345	.0408
#3	.0726	.0416	.0738	.0980	2.608	.2957	.0408

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0714	.0088	.0106	.0504	1.179	.0085	.0287
SDev	.0083	.0094	.0004	.0056	.059	.0007	.0078

%RSD	11.57	107.2	3.756	11.17	5.012	8.596	27.21
#1	.0684	-.0016	.0102	.0441	1.161	.0076	.0343
#2	.0650	.0167	.0104	.0523	1.132	.0089	.0321
#3	.0807	.0113	.0110	.0548	1.245	.0089	.0198

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0029	.0104	.0148
SDev	.0002	.0001	.0010
%RSD	7.221	.6329	6.892
#1	.0031	.0104	.0154
#2	.0027	.0104	.0136
#3	.0030	.0105	.0153

Analysis Report Tue 02-20-96 10:32:59 AM page :

Method: ICP1A Sample Name: 96-2608 DUP Operator: DRS
Run Time: 02/20/96 10:31:40
Comment: 118.2B.F DUPLICATE (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	4.025	.0526	.0143	.0084	.0003	5.680
SDev	.0005	.009	.0078	.0012	.0001	.0000	.042
%RSD	5.870	.2277	14.78	8.235	1.778	11.53	.7472
#1	.0077	4.035	.0512	.0134	.0083	.0003	5.693
#2	.0078	4.019	.0456	.0138	.0084	.0003	5.715
#3	.0086	4.020	.0609	.0156	.0086	.0003	5.633

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5388	.0041	.0797	.0151	.4657	.0148	.0084
SDev	.0028	.0067	.0043	.0005	.0105	.0004	.0004
%RSD	.5131	163.9	5.329	3.507	2.256	2.797	4.790
#1	.5411	-.0005	.0767	.0157	.4718	.0151	.0080
#2	.5357	.0116	.0777	.0147	.4718	.0150	.0085
#3	.5396	.0009	.0848	.0150	.4536	.0143	.0088

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	2.741	2408.	.0160	.0184	.1485	.0849
SDev	.0000	.001	4.	.0003	.0014	.0018	.0001
%RSD	.6160	.0380	.1831	2.158	7.802	1.197	.1413
#1	.0033	2.742	2411.	.0162	.0168	.1505	.0850
#2	.0033	2.739	2409.	.0161	.0193	.1472	.0848
#3	.0033	2.741	2403.	.0156	.0193	.1478	.0848

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0219	29.55	.0529	.6074	6.429	.0744	.1605
SDev	.0004	.03	.0064	.0062	.010	.0044	.0031
%RSD	1.986	.1162	12.09	1.018	.1603	5.885	1.899
#1	.0222	29.51	.0530	.6106	6.439	.0693	.1611
#2	.0214	29.58	.0465	.6114	6.418	.0762	.1633
#3	.0221	29.55	.0593	.6003	6.429	.0775	.1572

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0723	.0400	.0634	.0797	2.789	.2936	.0449
SDev	.0075	.0009	.0120	.0066	.008	.0278	.0000
%RSD	10.31	2.171	18.94	8.246	.2986	9.482	.0017
#1	.0655	.0410	.0499	.0834	2.794	.2954	.0449
#2	.0710	.0397	.0673	.0721	2.793	.2648	.0449
#3	.0803	.0394	.0730	.0835	2.779	.3204	.0449

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0731	.0087	.0110	.0565	1.252	.0081	.0253
SDev	.0087	.0063	.0002	.0076	.038	.0004	.0063

%RSD	11.88	72.19	1.814	13.43	3.062	5.455	25.07
#1	.0751	.0014	.0112	.0478	1.218	.0077	.0240
#2	.0636	.0124	.0110	.0616	1.244	.0081	.0222
#3	.0807	.0122	.0108	.0601	1.294	.0086	.0197

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0033	.0107	.0153
SDev	.0004	.0014	.0005
%RSD	13.20	13.11	3.016
#1	.0030	.0095	.0154
#2	.0030	.0104	.0149
#3	.0037	.0123	.0157

Analysis Report Tue 02-20-96 10:36:18 AM page 1

Method: ICP1A Sample Name: SRM 2709 Operator: DRS
Run Time: 02/20/96 10:34:59
Comment: LCS BX112/C118-2 (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0079	25.47	.1350	.0232	.3154	.0025	.0692
SDev	.0004	.07	.0208	.0013	.0003	.0000	.0030
%RSD	4.938	.2621	15.40	5.383	.1097	.2149	4.341
#1	.0074	25.52	.1317	.0226	.3152	.0025	.0658
#2	.0080	25.50	.1161	.0246	.3158	.0025	.0716
#3	.0082	25.40	.1573	.0224	.3152	.0025	.0701

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.045	.0063	.0708	.0186	.0645	.0130	.0098
SDev	.011	.0068	.0027	.0014	.0040	.0010	.0003
%RSD	.1501	108.4	3.740	7.811	6.118	7.907	2.957
#1	7.043	.0023	.0677	.0178	.0689	.0119	.0095
#2	7.057	.0024	.0723	.0203	.0636	.0138	.0098
#3	7.036	.0141	.0723	.0178	.0611	.0134	.0101

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	12.12	2432.	.0250	.0221	5.563	.2743
SDev	.0001	.02	5.	.0010	.0010	.010	.0018
%RSD	3.287	.1957	.2252	4.149	4.695	.1782	.6656
#1	.0039	12.12	2436.	.0239	.0218	5.554	.2731
#2	.0041	12.14	2435.	.0258	.0232	5.574	.2764
#3	.0039	12.09	2426.	.0255	.0213	5.560	.2734

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0139	5.234	.0620	1.632	.3167	.1481	.1594
SDev	.0005	.032	.0031	.014	.0064	.0030	.0060
%RSD	3.305	.6086	4.960	.8529	2.018	2.054	3.747
#1	.0133	5.268	.0598	1.642	.3132	.1448	.1536
#2	.0142	5.228	.0607	1.638	.3129	.1507	.1590
#3	.0140	5.205	.0655	1.616	.3241	.1488	.1655

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0708	.0451	.1176	.2018	95.40	.3544	.0828
SDev	.0039	.0009	.0114	.0145	.14	.0190	.0002
%RSD	5.481	1.961	9.723	7.172	.1459	5.364	.1901
#1	.0670	.0459	.1124	.1880	95.45	.3549	.0829
#2	.0705	.0441	.1307	.2168	95.51	.3352	.0829
#3	.0748	.0453	.1097	.2006	95.24	.3732	.0826

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1147	.0159	1.061	.0869	.8813	.0477	.0458
SDev	.0067	.0018	.002	.0036	.0334	.0003	.0103

%RSD	5.874	11.27	.1671	4.191	3.789	.5379	22.40
#1	.1111	.0139	1.060	.0832	.8445	.0474	.0363
#2	.1105	.0175	1.063	.0868	.9097	.0479	.0445
#3	.1224	.0162	1.059	.0905	.8898	.0477	.0567

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0089	.0430	.0240
SDev	.0006	.0009	.0001
%RSD	6.746	2.085	.2421
#1	.0088	.0424	.0240
#2	.0095	.0426	.0239
#3	.0083	.0440	.0240

Analysis Report QC Standard Tue 02-20-96 10:45:49 AM page 1

Method: ICP1A Sample Name: QC_MCVA 960130I901 Operator: DRS
Run Time: 02/20/96 10:44:30
Comment: (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass* D13 2/20/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5057	9.946	2.677	2.049	.5027	.0961	24.57
SDev	.0017	.044	.026	.007	.0022	.0004	.09
%RSD	.3403	.4458	.9679	.3446	.4463	.4726	.3579
#1	.5070	9.963	2.665	2.045	.5034	.0961	24.66
#2	.5063	9.978	2.707	2.057	.5046	.0965	24.58
#3	.5037	9.895	2.659	2.046	.5002	.0956	24.48
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.83	.4981	.0152	1.025	1.026	.9351	.0034
SDev	.10	.0031	.0021	.004	.005	.0029	.0001
%RSD	.3839	.6378	13.66	.3542	.4831	.3115	2.123
#1	24.85	.4851	.0175	1.026	1.029	.9342	.0034
#2	24.92	.4879	.0136	1.028	1.021	.9384	.0033
#3	24.73	.4913	.0144	1.021	1.029	.9327	.0035
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	20.51	24.17	.0110	1.975	33.04	.5127
SDev	.0001	.10	.17	.0010	.010	.11	.0015
%RSD	3.975	.4694	.6865	8.920	.4945	.3411	.2891
#1	.0029	20.53	24.17	.0111	1.976	33.09	.5127
#2	.0031	20.59	24.33	.0100	1.984	33.12	.5142
#3	.0031	20.41	24.00	.0120	1.965	32.91	.5112
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.028	37.19	.0239	1.011	4.945	2.566	.0519
SDev	.006	.17	.0031	.002	.034	.018	.0020
%RSD	.6173	.4588	12.90	.1835	.6963	.6943	3.916
#1	1.024	37.23	.0220	1.013	4.919	2.575	.0515
#2	1.035	37.33	.0221	1.009	4.984	2.578	.0542
#3	1.025	37.00	.0274	1.011	4.931	2.546	.0502
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Analysis Report QC Standard Tue 02-20-96 10:45:49 AM page 2

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0244	.0273	03.267	2.644	19.02	.2108	.5120
SDev	.0021	.0025	.008	.027	.07	.0140	.0024
%RSD	8.721	9.095	.2308	1.039	.3666	6.664	.4593
#1	.0265	.0246	03.265	2.638	19.04	.1947	.5124
#2	.0222	.0295	03.275	2.674	19.08	.2207	.5141
#3	.0244	.0278	03.260	2.620	18.95	.2170	.5094
Errors	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0820	.0298	1.002	2.530	.3929	.9993	.0474
SDev	.0044	.0028	.005	.021	.0348	.0043	.0053
%RSD	5.416	9.523	.4534	.8421	8.847	.4270	11.10
#1	.0771	.0326	1.004	2.548	.3567	1.000	.0419
#2	.0857	.0269	1.005	2.537	.4260	1.003	.0481
#3	.0833	.0298	.9968	2.506	.3960	.9947	.0523
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0026	1.020	2.004
SDev	.0004	.009	.010
%RSD	15.74	.8896	.5136
#1	.0030	1.019	2.006
#2	.0026	1.030	2.013
#3	.0022	1.012	1.992
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report Tue 02-20-96 10:51:00 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/20/96 10:49:41
Comment: LCS BX112/C118-2 (CORE 118 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0152	.0047	-.0418	.0006	.0001	.0206
SDev	.0004	.0004	.0101	.0025	.0001	.0000	.0070
%RSD	21.43	2.832	216.3	6.062	14.75	5.151	33.90
#1	.0016	.0147	-.0069	-.0403	.0005	.0001	.0166
#2	.0022	.0154	.0094	-.0448	.0006	.0001	.0287
#3	.0016	.0155	.0115	-.0405	.0006	.0001	.0166

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0046	-.0009	.0145	.0018	-.0003	.0020	.0013
SDev	.0009	.0026	.0043	.0008	.0013	.0009	.0008
%RSD	20.31	276.8	29.90	42.58	457.9	43.50	60.74
#1	-.0049	.0020	.0104	.0009	-.0007	.0014	.0004
#2	-.0035	-.0030	.0190	.0023	-.0013	.0016	.0017
#3	-.0053	-.0018	.0140	.0022	.0012	.0030	.0018

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0025	-.0553	.0052	.0017	.0078	-.0011
SDev	.0002	.0008	.0948	.0014	.0003	.0010	.0002
%RSD	20.50	30.73	171.4	26.23	17.32	12.30	19.14
#1	.0008	.0024	-.1501	.0051	.0013	.0089	-.0011
#2	.0012	.0032	.0395	.0066	.0018	.0075	-.0013
#3	.0010	.0017	-.0553	.0039	.0018	.0070	-.0009

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0579	.0102	-.0061	.0122	.0023	.0506
SDev	.0004	.0231	.0052	.0023	.0282	.0062	.0028
%RSD	25.97	39.79	50.89	38.57	230.1	267.2	5.578
#1	.0015	.0446	.0056	-.0087	.0447	-.0033	.0510
#2	.0022	.0846	.0158	-.0041	-.0024	.0012	.0532
#3	.0013	.0446	.0092	-.0054	-.0056	.0090	.0476

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0176	.0094	.0140	.0239	.0964	.0437	.0005
SDev	.0036	.0038	.0038	.0242	.0071	.0543	.0001
%RSD	20.17	40.39	27.09	101.2	7.325	124.1	15.06
#1	.0136	.0079	.0096	.0012	.0939	.0419	.0006
#2	.0205	.0138	.0160	.0212	.1043	.0990	.0006
#3	.0187	.0067	.0164	.0493	.0909	-.0096	.0004

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0176	-.0019	.0010	.0122	.2107	.0015	.0065
SDev	.0047	.0024	.0001	.0145	.0577	.0000	.0061

%RSD	26.80	126.4	14.42	118.7	27.37	1.744	94.01
#1	.0126	-.0041	.0009	.0268	.1815	.0015	.0004
#2	.0219	.0006	.0012	-.0022	.2772	.0016	.0065
#3	.0182	-.0022	.0009	.0119	.1735	.0015	.0127

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0006	-.0021	.0010
SDev	.0002	.0003	.0008
%RSD	28.98	16.06	76.97
#1	.0005	-.0018	.0005
#2	.0009	-.0021	.0020
#3	.0005	-.0025	.0006

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Method: ICP1A Sample Name: 96-2612-BLK Operator: DRS
Run Time: 02/20/96 10:51:54
Comment: PROCESS BLANK (CORE 119 KOH/HNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0097	.2230	.0532	-.0236	.0041	.0003	.0527
SDev	.0004	.0051	.0061	.0006	.0001	.0000	.0059
%RSD	4.072	2.303	11.54	2.662	2.093	13.76	11.12
#1	.0101	.2180	.0494	-.0230	.0042	.0003	.0474
#2	.0093	.2226	.0603	-.0236	.0041	.0003	.0590
#3	.0098	.2283	.0499	-.0243	.0041	.0004	.0518

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5605	-.0123	.0717	.0151	.0079	.0164	.0106
SDev	.0034	.0013	.0016	.0002	.0003	.0011	.0003
%RSD	.6074	10.28	2.240	1.374	4.041	6.777	3.097
#1	.5566	-.0111	.0700	.0149	.0078	.0153	.0103
#2	.5618	-.0136	.0732	.0152	.0082	.0163	.0109
#3	.5631	-.0121	.0719	.0151	.0076	.0175	.0106

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	.0351	2344.	.0194	.0090	.1202	.0604
SDev	.0000	.0008	16.	.0015	.0013	.0081	.0003
%RSD	.1457	2.318	.6637	7.671	13.98	6.729	.4782
#1	.0037	.0356	2326.	.0203	.0088	.1293	.0602
#2	.0037	.0342	2352.	.0177	.0103	.1172	.0604
#3	.0037	.0356	2353.	.0203	.0078	.1140	.0607

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0139	1.219	.0647	.3433	.0999	.0663	.1867
SDev	.0020	.012	.0017	.0026	.0176	.0037	.0040
%RSD	14.13	.9751	2.628	.7479	17.64	5.599	2.170
#1	.0117	1.206	.0650	.3413	.0874	.0706	.1904
#2	.0144	1.223	.0629	.3462	.0923	.0644	.1823
#3	.0155	1.229	.0662	.3425	.1201	.0639	.1873

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0577	.0397	.0679	.0705	.4256	.3053	.0037
SDev	.0034	.0016	.0084	.0022	.0144	.0120	.0001
%RSD	3.881	4.005	12.34	3.073	3.379	3.922	2.160
#1	.0840	.0394	.0582	.0697	.4405	.2943	.0037
#2	.0907	.0393	.0722	.0688	.4244	.3036	.0037
#3	.0884	.0415	.0731	.0729	.4118	.3180	.0036

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0693	.0031	.0071	.0461	1.047	.0095	.0236
SDev	.0027	.0047	.0002	.0057	.021	.0004	.0054

%RSD	3.938	149.2	2.554	12.30	1.990	4.515	22.94
#1	.0674	.0074	.0073	.0483	1.044	.0090	.0216
#2	.0681	-.0018	.0072	.0397	1.069	.0098	.0298
#3	.0724	.0038	.0069	.0504	1.028	.0096	.0195

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0040	.0068	.0082
SDev	.0002	.0006	.0004
%RSD	5.794	8.286	5.481
#1	.0043	.0062	.0078
#2	.0039	.0072	.0087
#3	.0039	.0071	.0083

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Method: ICP1A Sample Name: 96-2612 @5 Operator: DRS
Run Time: 02/20/96 10:55:38
Comment: 119.1B.F @5X DIL (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	1.745	.0208	-.0431	.0034	.0002	1.576
SDev	.0008	.016	.0080	.0016	.0003	.0000	.012
%RSD	15.29	.9157	38.42	3.816	9.219	24.53	.7861
#1	.0047	1.763	.0116	-.0436	.0030	.0001	1.586
#2	.0055	1.738	.0252	-.0413	.0036	.0001	1.581
#3	.0063	1.733	.0256	-.0445	.0035	.0002	1.562

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1615	-.0043	.0492	.0064	.0823	.0064	.0067
SDev	.0008	.0024	.0047	.0005	.0024	.0009	.0008
%RSD	.4873	56.06	9.594	7.461	2.934	13.45	12.36
#1	.1612	-.0060	.0438	.0061	.0850	.0057	.0057
#2	.1624	-.0053	.0525	.0070	.0804	.0074	.0070
#3	.1610	-.0015	.0513	.0062	.0814	.0061	.0072

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	1.127	482.0	.0135	.0038	.0452	.0229
SDev	.0001	.011	3.8	.0016	.0003	.0046	.0002
%RSD	5.161	.9633	.7917	12.15	13.04	10.10	.8564
#1	.0022	1.138	485.6	.0118	.0043	.0466	.0231
#2	.0024	1.126	482.3	.0135	.0038	.0459	.0229
#3	.0024	1.116	478.0	.0151	.0033	.0401	.0227

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	6.474	.0396	.0904	1.612	.0423	.1298
SDev	.0014	.043	.0024	.0014	.012	.0059	.0080
%RSD	17.52	.6637	6.105	1.574	.7472	13.99	6.170
#1	.0083	6.516	.0378	.0896	1.620	.0463	.1225
#2	.0065	6.476	.0386	.0921	1.598	.0355	.1384
#3	.0092	6.430	.0423	.0896	1.617	.0451	.1284

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0516	.0265	.0490	.0581	.7248	.1674	.0103
SDev	.0018	.0013	.0055	.0149	.0164	.0184	.0001
%RSD	3.535	4.833	11.23	25.56	2.261	11.01	.7669
#1	.0503	.0258	.0538	.0433	.7389	.1886	.0104
#2	.0509	.0257	.0503	.0579	.7287	.1588	.0102
#3	.0537	.0280	.0430	.0730	.7068	.1549	.0102

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0541	.0015	.0051	.0255	.7092	.0054	.0202
SDev	.0016	.0045	.0002	.0051	.0291	.0003	.0128

%RSD	3.251	298.4	4.784	19.93	4.107	6.322	63.27
#1	.0560	-.0030	.0048	.0199	.7043	.0050	.0244
#2	.0537	.0015	.0052	.0269	.6829	.0057	.0059
#3	.0526	.0059	.0053	.0297	.7405	.0056	.0304

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0023	.0319	.0063
SDev	.0002	.0007	.0003
%RSD	9.172	2.322	4.907
#1	.0022	.0327	.0063
#2	.0022	.0315	.0067
#3	.0025	.0314	.0061

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Method: ICP1A Sample Name: 96-2612 Operator: DRS
Run Time: 02/20/96 10:58:59
Comment: 119.1B.F (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0103	8.180	.0789	-.0208	.0120	.0003	7.366
SDev	.0007	.093	.0093	.0009	.0001	.0000	.086
%RSD	6.714	1.138	11.83	4.186	1.246	7.580	1.165
#1	.0098	8.189	.0895	-.0211	.0119	.0003	7.380
#2	.0099	8.268	.0720	-.0215	.0122	.0003	7.443
#3	.0111	8.082	.0751	-.0198	.0120	.0004	7.274

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6006	.0117	.1000	.0176	.3800	.0162	.0111
SDev	.0059	.0077	.0056	.0010	.0059	.0015	.0012
%RSD	.9862	66.28	5.578	5.770	1.561	9.152	10.56
#1	.5995	.0061	.1008	.0167	.3779	.0167	.0106
#2	.6070	.0083	.0941	.0174	.3867	.0145	.0104
#3	.5954	.0205	.1052	.0187	.3754	.0174	.0123

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	5.345	2254.	.0209	.0091	.1688	.1120
SDev	.0003	.065	27.	.0015	.0016	.0045	.0012
%RSD	7.686	1.216	1.192	7.150	17.53	2.679	1.046
#1	.0041	5.343	2255.	.0200	.0103	.1712	.1118
#2	.0039	5.411	2280.	.0200	.0073	.1717	.1133
#3	.0045	5.281	2227.	.0226	.0098	.1636	.1110

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0235	30.43	.0648	.4567	7.655	.1065	.1952
SDev	.0007	.31	.0043	.0162	.097	.0116	.0216
%RSD	2.918	1.009	6.637	3.540	1.270	10.86	11.05
#1	.0228	30.41	.0640	.4482	7.659	.1045	.1829
#2	.0238	30.75	.0610	.4753	7.750	.0961	.1826
#3	.0241	30.14	.0695	.4465	7.556	.1190	.2201

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0891	.0469	.0750	.1183	3.364	.3342	.0466
SDev	.0076	.0035	.0043	.0198	.046	.0491	.0006
%RSD	8.550	7.413	5.662	16.71	1.379	14.71	1.170
#1	.0886	.0453	.0723	.0977	3.372	.3271	.0466
#2	.0817	.0445	.0728	.1371	3.406	.2889	.0472
#3	.0969	.0509	.0799	.1201	3.314	.3865	.0461

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0965	.0069	.0173	.0564	1.425	.0116	.0373
SDev	.0052	.0051	.0002	.0081	.110	.0010	.0012

%RSD	5.349	73.60	1.074	14.44	7.686	9.071	3.134
#1	.0908	.0031	.0171	.0565	1.386	.0112	.0359
#2	.0976	.0127	.0173	.0645	1.340	.0108	.0381
#3	.1010	.0050	.0175	.0482	1.549	.0128	.0378

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0039	.1515	.0214
SDev	.0002	.0007	.0007
%RSD	5.651	.4339	3.083
#1	.0037	.1517	.0214
#2	.0041	.1521	.0207
#3	.0040	.1508	.0221

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Method: ICP1A Sample Name: 96-2612-PS-A Operator: DRS
Run Time: 02/20/96 11:02:37
Comment: 119.1B.F POST SPIKE A (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2532	9.198	1.399	.9899	.2540	.0497	16.02
SDev	.0019	.044	.027	.0047	.0014	.0003	.06
%RSD	.7546	.4822	1.912	.4762	.5667	.6494	.3820
#1	.2511	9.149	1.369	.9847	.2525	.0493	15.95
#2	.2539	9.210	1.414	.9940	.2543	.0497	16.04
#3	.2548	9.235	1.415	.9909	.2553	.0499	16.07

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.96	.2576	.0761	.5280	.7129	.4874	.0098
SDev	.08	.0086	.0028	.0040	.0020	.0033	.0002
%RSD	.6508	3.329	3.680	.7648	.2769	.6690	1.744
#1	12.87	.2524	.0770	.5237	.7113	.4836	.0099
#2	12.97	.2528	.0784	.5285	.7122	.4891	.0099
#3	13.04	.2673	.0730	.5318	.7151	.4894	.0096

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	13.04	1186.	.0205	.9667	16.67	.3160
SDev	.0001	.08	6.	.0007	.0069	.12	.0023
%RSD	2.886	.6030	.5281	3.463	.7110	.7055	.7370
#1	.0046	12.95	1179.	.0212	.9589	16.55	.3137
#2	.0043	13.05	1187.	.0204	.9694	16.69	.3160
#3	.0046	13.11	1192.	.0196	.9718	16.76	.3184

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5330	34.12	.0628	.7425	6.430	1.374	.1643
SDev	.0057	.18	.0032	.0042	.069	.011	.0065
%RSD	1.073	.5368	5.026	.5603	1.069	.7755	3.953
#1	.5264	33.94	.0593	.7447	6.490	1.362	.1682
#2	.5359	34.11	.0636	.7377	6.355	1.378	.1679
#3	.5367	34.31	.0654	.7451	6.445	1.382	.1568

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0769	.0465	1.697	1.395	11.41	.3473	.2782
SDev	.0007	.0042	.023	.017	.06	.0117	.0020
%RSD	.8544	9.092	1.338	1.210	.5610	3.372	.7068
#1	.0762	.0427	1.677	1.405	11.34	.3339	.2760
#2	.0774	.0457	1.692	1.376	11.43	.3555	.2787
#3	.0772	.0510	1.722	1.404	11.46	.3525	.2798

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0994	.0223	.5123	1.335	1.143	.5109	.0536
SDev	.0117	.0042	.0031	.022	.043	.0033	.0105

%RSD	11.75	18.70	.6093	1.661	3.756	.6542	19.68
#1	.0863	.0230	.5089	1.312	1.186	.5073	.0564
#2	.1089	.0179	.5132	1.337	1.100	.5115	.0419
#3	.1030	.0261	.5150	1.356	1.144	.5139	.0624

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0041	.5931	1.021
SDev	.0002	.0029	.005
%RSD	5.668	.4965	.4856
#1	.0039	.5905	1.016
#2	.0040	.5926	1.022
#3	.0043	.5963	1.025

Analysis Report Tue 02-20-96 11:07:26 AM page 1

Method: ICP1A Sample Name: MCVA @2 Operator: DRS
Run Time: 02/20/96 11:06:07
Comment: MCVA 960130I901 @2X DIL (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2568	5.027	1.350	.9987	.2539	.0489	12.45
SDev	.0014	.038	.005	.0092	.0022	.0005	.12
%RSD	.5501	.7598	.3614	.9174	.8536	.9755	.9530
#1	.2580	5.053	1.350	1.0000	.2550	.0492	12.50
#2	.2573	5.044	1.355	1.007	.2553	.0490	12.53
#3	.2553	4.983	1.345	.9890	.2514	.0483	12.31

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.56	.2768	.0191	.5210	.5139	.4708	.0034
SDev	.11	.0061	.0010	.0045	.0058	.0041	.0004
%RSD	.8628	2.202	5.395	.8634	1.137	.8641	12.44
#1	12.64	.2753	.0202	.5240	.5161	.4755	.0038
#2	12.60	.2835	.0189	.5232	.5184	.4689	.0030
#3	12.43	.2715	.0181	.5159	.5073	.4680	.0034

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	10.38	13.67	.0090	.9978	16.79	.2576
SDev	.0002	.09	.07	.0023	.0047	.12	.0027
%RSD	11.07	.8635	.5202	25.67	.4763	.7259	1.067
#1	.0021	10.44	13.74	.0077	.9973	16.93	.2597
#2	.0021	10.43	13.67	.0076	1.003	16.88	.2586
#3	.0025	10.28	13.60	.0116	.9933	16.65	.2545

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5199	18.81	.0228	.5063	2.502	1.302	.0498
SDev	.0049	.08	.0037	.0063	.052	.015	.0132
%RSD	.9334	.4134	16.12	1.240	2.066	1.115	26.51
#1	.5250	18.85	.0192	.5132	2.561	1.309	.0440
#2	.5195	18.85	.0226	.5008	2.482	1.312	.0405
#3	.5153	18.72	.0266	.5050	2.463	1.286	.0649

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0252	.0167	1.670	1.338	9.673	.1287	.2588
SDev	.0045	.0029	.009	.020	.077	.0265	.0024
%RSD	17.73	17.25	.5450	1.469	.7917	20.62	.9142
#1	.0296	.0150	1.680	1.348	9.725	.1338	.2601
#2	.0201	.0152	1.664	1.351	9.710	.0999	.2603
#3	.0268	.0201	1.666	1.316	9.585	.1523	.2561

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0501	.0201	.5057	1.296	.3586	.5053	.0336
SDev	.0073	.0031	.0049	.009	.0249	.0047	.0066

%RSD	14.61	15.29	.9720	.6993	6.930	.9350	19.58
#1	.0490	.0235	.5083	1.304	.3299	.5085	.0362
#2	.0579	.0196	.5088	1.287	.3747	.5074	.0261
#3	.0434	.0174	.5000	1.298	.3710	.4999	.0385

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0017	.5188	1.009
SDev	.0000	.0036	.008
%RSD	.7713	.6841	.8382
#1	.0017	.5177	1.014
#2	.0017	.5228	1.013
#3	.0017	.5160	.9990

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Method: ICP1A Sample Name: 96-2612-PS-B Operator: DRS
Run Time: 02/20/96 11:09:45
Comment: 119.1B.F POST SPIKE B (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0092	4.209	.2230	-.0342	.0072	.0007	3.870
SDev	.0007	.010	.0085	.0046	.0002	.0000	.026
%RSD	7.901	.2284	3.797	13.56	3.188	1.871	.6748
#1	.0100	4.198	.2284	-.0387	.0069	.0008	3.840
#2	.0086	4.216	.2274	-.0343	.0072	.0007	3.881
#3	.0089	4.214	.2132	-.0295	.0074	.0007	3.889

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3338	.0132	1.029	.0127	.2015	.0229	.9855
SDev	.0023	.0029	.009	.0003	.0012	.0011	.0024
%RSD	.6933	22.34	.9182	2.005	.5926	4.750	.2425
#1	.3327	.0110	1.021	.0124	.2019	.0219	.9829
#2	.3365	.0165	1.028	.0128	.2025	.0227	.9859
#3	.3323	.0120	1.039	.0128	.2002	.0241	.9877

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9784	2.789	1178.	.4965	.0076	.0745	.0563
SDev	.0026	.006	3.	.0032	.0023	.0043	.0004
%RSD	.2680	.2273	.2184	.6413	30.12	5.835	.7743
#1	.9759	2.782	1175.	.4931	.0063	.0746	.0580
#2	.9784	2.792	1178.	.4971	.0063	.0787	.0581
#3	.9810	2.794	1180.	.4994	.0103	.0701	.0589

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0201	15.95	1.012	.2897	4.023	.2109	1.108
SDev	.0004	.03	.008	.0041	.026	.0098	.013
%RSD	2.243	.1891	.8176	1.429	.6480	4.652	1.218
#1	.0204	15.92	1.013	.2853	4.047	.2101	1.095
#2	.0202	15.97	1.004	.2936	4.027	.2016	1.106
#3	.0196	15.96	1.020	.2903	3.995	.2212	1.122

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.056	1.089	.1326	.1107	10.13	1.294	.0259
SDev	.002	.006	.0029	.0237	1.02	.030	.0001
%RSD	.1945	.5100	2.149	21.43	10.08	2.329	.3080
#1	1.055	1.083	.1293	.0838	9.065	1.270	.0258
#2	1.055	1.092	.1342	.1198	10.22	1.285	.0259
#3	1.058	1.093	.1343	.1286	11.10	1.328	.0258

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.099	1.512	.0125	.0741	12.76	.0099	1.019
SDev	.017	.009	.0001	.0128	.10	.0003	.011

%RSD	1.564	.5777	1.031	17.33	.7925	2.508	1.111
#1	1.080	1.502	.0125	.0600	12.65	.0096	1.006
#2	1.113	1.519	.0124	.0772	12.76	.0098	1.025
#3	1.103	1.515	.0127	.0851	12.65	.0101	1.027

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.4689	.0818	.0005
SDev	.0013	.0004	.0001
%RSD	.2815	.4964	22.71
#1	.4675	.0822	.0006
#2	.4690	.0815	.0004
#3	.4701	.0816	.0006

Analysis Report Tue 02-20-96 11:14:33 AM page 1

Method: ICP1A Sample Name: MCVB1 @2 Operator: DRS
Run Time: 02/20/96 11:13:14
Comment: MCVB1 960123I901 @2X DIL(CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	-.0377	.1720	-.0115	.0008	.0006	.0603
SDev	.0009	.0055	.0236	.0018	.0002	.0000	.0061
%RSD	28.30	14.50	13.71	15.63	27.37	2.247	10.10
#1	.0041	-.0318	.1992	-.0136	.0008	.0006	.0664
#2	.0027	-.0426	.1572	-.0105	.0011	.0005	.0601
#3	.0025	-.0386	.1596	-.0104	.0006	.0005	.0543

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.0490	.9911	.0027	.0021	.0110	.9894
SDev	.0004	.0129	.0068	.0003	.0006	.0012	.0079
%RSD	15.07	26.34	.6858	10.01	29.98	10.52	.8015
#1	.0031	.0354	.9834	.0030	.0014	.0120	.9805
#2	.0023	.0505	.9938	.0025	.0022	.0097	.9957
#3	.0028	.0611	.9961	.0025	.0026	.0114	.9920

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9921	.0015	-.3061	.4911	.0013	-.0273	-.0005
SDev	.0086	.0016	.2071	.0037	.0010	.0059	.0001
%RSD	.8690	104.5	67.21	.7617	75.00	21.81	18.02
#1	.9829	.0033	-.0790	.4868	.0013	-.0243	-.0005
#2	1.0000	.0003	-.4820	.4931	.0023	-.0233	-.0004
#3	.9934	.0010	-.3634	.4935	.0003	-.0341	-.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.0977	.9845	.0485	.0681	.1474	1.028
SDev	.0013	.0065	.0055	.0014	.0195	.0100	.009
%RSD	22.86	6.665	.5620	2.937	28.58	6.756	.8937
#1	.0070	.0940	.9803	.0493	.0835	.1551	1.017
#2	.0044	.0938	.9908	.0493	.0462	.1510	1.034
#3	.0055	.1052	.9824	.0468	.0746	.1361	1.032

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.025	1.067	.0775	.0704	8.777	1.140	.0014
SDev	.007	.009	.0055	.0064	.951	.019	.0000
%RSD	.6693	.8367	7.043	9.054	10.84	1.697	.0481
#1	1.017	1.057	.0718	.0681	7.854	1.162	.0014
#2	1.029	1.071	.0781	.0776	8.722	1.131	.0014
#3	1.028	1.073	.0827	.0655	9.754	1.126	.0014

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.062	1.510	.0028	.0223	12.16	.0025	1.006
SDev	.010	.013	.0003	.0096	.12	.0003	.010

%RSD	.9460	.8470	10.47	43.25	.9521	11.88	1.042
#1	1.052	1.496	.0030	.0319	12.03	.0028	.9948
#2	1.072	1.520	.0025	.0126	12.22	.0024	1.009
#3	1.062	1.513	.0030	.0224	12.23	.0022	1.015

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.4674	.0013	-.0116
SDev	.0038	.0003	.0005
%RSD	.8173	25.02	4.407
#1	.4632	.0012	-.0111
#2	.4705	.0012	-.0121
#3	.4686	.0017	-.0115

Analysis Report Tue 02-20-96 11:18:06 AM page 1

Method: ICP1A Sample Name: 96-2612 DUP Operator: DRS
Run Time: 02/20/96 11:16:47
Comment: 119.1B.F DUPLICATE (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0092	8.612	.0822	.2299	.0105	.0004	7.479
SDev	.0008	.069	.0071	.0137	.0001	.0000	.069
%RSD	8.277	.8011	8.642	5.965	1.424	6.377	.9185
#1	.0084	8.687	.0880	.2448	.0107	.0003	7.546
#2	.0092	8.551	.0842	.2272	.0105	.0004	7.409
#3	.0100	8.598	.0743	.2178	.0104	.0004	7.482

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6177	.0315	.0955	.0168	.3867	.0130	.0108
SDev	.0055	.0155	.0062	.0006	.0044	.0021	.0008
%RSD	.8961	49.20	6.463	3.433	1.139	15.99	7.721
#1	.6204	.0356	.0885	.0163	.3871	.0107	.0095
#2	.6113	.0445	.0979	.0174	.3820	.0143	.0113
#3	.6213	.0143	.1001	.0167	.3908	.0139	.0112

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	5.845	2292.	.0202	.0063	.1829	.1015
SDev	.0004	.051	22.	.0014	.0023	.0058	.0007
%RSD	9.742	.8725	.9491	7.149	36.18	3.179	.6857
#1	.0039	5.897	2316.	.0185	.0043	.1787	.1021
#2	.0043	5.795	2273.	.0210	.0086	.1806	.1015
#3	.0048	5.843	2288.	.0210	.0059	.1896	.1007

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0202	31.46	.0664	.3400	8.137	.1043	.1881
SDev	.0020	.30	.0060	.0070	.120	.0037	.0122
%RSD	9.762	.9645	9.077	2.063	1.471	3.596	6.793
#1	.0179	31.80	.0595	.3478	8.249	.1078	.1746
#2	.0214	31.20	.0691	.3343	8.011	.1004	.1895
#3	.0213	31.40	.0706	.3380	8.151	.1047	.2001

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0838	.0473	.0774	.1130	7.795	.3286	.0470
SDev	.0091	.0022	.0090	.0073	.388	.0515	.0005
%RSD	10.87	4.645	11.61	6.471	4.982	15.67	1.021
#1	.0758	.0449	.0785	.1050	8.210	.2736	.0475
#2	.0820	.0493	.0680	.1146	7.736	.3363	.0465
#3	.0937	.0476	.0859	.1193	7.440	.3757	.0469

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0922	.0048	.0126	.0570	1.412	.0110	.0394
SDev	.0043	.0056	.0001	.0078	.133	.0008	.0042

%RSD	4.651	116.9	.7923	13.65	9.422	6.967	10.51
#1	.0910	.0113	.0125	.0518	1.259	.0101	.0382
#2	.0887	.0009	.0127	.0660	1.482	.0115	.0360
#3	.0970	.0023	.0125	.0533	1.496	.0114	.0441

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0039	.0264	.0196
SDev	.0001	.0012	.0011
%RSD	3.606	4.599	5.665
#1	.0038	.0276	.0183
#2	.0040	.0264	.0203
#3	.0040	.0252	.0202

Analysis Report QC Standard Tue 02-20-96 11:23:08 AM page 1

Method: ICP1A Sample Name: QC_MCVA 960130I901 Operator: DRS
Run Time: 02/20/96 11:21:49
Comment: (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass* DW 2-20-96

Elem	Ag	Al	As	B	Ba	Be	Si
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4962	9.738	2.597	2.055	.4903	.0931	24.07
SDev	.0018	.039	.013	.013	.0014	.0003	.19
%RSD	.3533	.4005	.5008	.6563	.2904	.3755	.7773
#1	.4942	9.694	2.610	2.052	.4889	.0927	23.85
#2	.4976	9.768	2.564	2.070	.4917	.0934	24.19
#3	.4969	9.752	2.596	2.043	.4902	.0931	24.16
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.29	.4974	.0266	1.004	1.007	.9038	.0048
SDev	.10	.0006	.0030	.004	.010	.0045	.0003
%RSD	.3919	.1238	11.33	.3912	.9651	.5004	5.164
#1	24.19	.4980	.0238	1.000	.9959	0.8986	.0048
#2	24.38	.4973	.0298	1.008	1.011	.9069	.0045
#3	24.32	.4968	.0263	1.006	1.014	.9058	.0050
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	20.03	24.07	.0140	1.929	32.36	.5004
SDev	.0002	.06	.14	.0005	.007	.16	.0029
%RSD	6.368	.3022	.5989	3.656	.3885	.5021	.5834
#1	.0033	19.97	23.98	.0137	1.924	32.19	.4978
#2	.0038	20.09	24.24	.0138	1.938	32.51	.5035
#3	.0036	20.05	24.00	.0146	1.925	32.40	.4998
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.005	36.41	.0306	.9820	4.849	2.518	.0724
SDev	.005	.13	.0036	.0053	.064	.024	.0075
%RSD	.5245	.3515	11.81	.5438	1.312	.9338	10.42
#1	.9994	36.38	.0345	.9767	4.802	2.501	.0656
#2	1.007	36.55	.0299	.9874	4.922	2.545	.0805
#3	1.010	36.29	.0274	.9820	4.824	2.508	.0710
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Analysis Report QC Standard Tue 02-20-96 11:23:08 AM page 2

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0348	.0323	03.232	2.587	19.35	.2336	.5004
SDev	.0059	.0022	.028	.002	.09	.0187	.0014
%RSD	17.04	6.687	.8546	.0896	.4429	8.000	.2863
#1	.0279	.0321	03.206	2.585	19.27	.2206	.4989
#2	.0383	.0345	03.261	2.589	19.44	.2253	.5018
#3	.0382	.0302	03.228	2.585	19.34	.2550	.5004
Errors	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0715	.0273	.9764	2.484	.5268	.9777	.0533
SDev	.0025	.0052	.0034	.029	.0430	.0032	.0031
%RSD	3.463	18.96	.3484	1.142	8.159	.3312	5.875
#1	.0686	.0294	.9745	2.456	.4954	.9745	.0528
#2	.0731	.0217	.9809	2.513	.5236	.9810	.0504
#3	.0727	.0319	.9799	2.484	.5712	.9779	.0566
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0026	1.004	1.958
SDev	.0006	.007	.007
%RSD	21.04	.7206	.3662
#1	.0021	.9969	1.951
#2	.0029	1.011	1.965
#3	.0033	1.005	1.957
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report Tue 02-20-96 11:26:42 AM page 1

Method: ICP1A Sample Name: 96-2614 Operator: DRS
Run Time: 02/20/96 11:25:24
Comment: 119.2B.F (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

RB 2/24/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0110	4.233	.0583	.0376	.0082	.0004	5.011
SDev	.0004	.011	.0081	.0023	.0002	.0000	.033
%RSD	3.649	.2560	13.95	6.124	2.799	2.086	.6593
#1	.0107	4.242	.0666	.0352	.0080	.0004	4.991
#2	.0109	4.221	.0503	.0398	.0084	.0004	4.994
#3	.0115	4.236	.0581	.0379	.0081	.0004	5.049

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5056	.0226	.1010	.0170	.3436	.0190	.0118
SDev	.0010	.0043	.0019	.0008	.0089	.0005	.0002
%RSD	.1967	19.24	1.848	4.478	2.602	2.740	1.418
#1	.5048	.0275	.0992	.0161	.3465	.0187	.0120
#2	.5067	.0214	.1030	.0172	.3335	.0186	.0116
#3	.5053	.0190	.1006	.0176	.3507	.0196	.0118

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	2.477	2253.	.0216	.0138	.1613	.0907
SDev	.0003	.005	4.	.0012	.0026	.0045	.0003
%RSD	7.923	.1835	.1731	5.498	19.13	2.771	.2838
#1	.0039	2.473	2254.	.0206	.0118	.1646	.0904
#2	.0043	2.476	2249.	.0213	.0128	.1631	.0907
#3	.0045	2.482	2256.	.0229	.0168	.1563	.0909

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0214	23.75	.0725	.3103	5.584	.0850	.2062
SDev	.0010	.07	.0010	.0014	.090	.0023	.0096
%RSD	4.542	.2906	1.326	.4657	1.617	2.665	4.658
#1	.0204	23.75	.0730	.3116	5.540	.0831	.1955
#2	.0224	23.69	.0714	.3088	5.524	.0875	.2088
#3	.0213	23.83	.0732	.3104	5.688	.0843	.2142

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0976	.0451	.0746	.1065	3.352	.3066	.0389
SDev	.0084	.0031	.0080	.0038	.019	.0264	.0001
%RSD	8.606	6.962	10.79	3.539	.5766	8.605	.3507
#1	.0893	.0427	.0723	.1059	3.370	.3063	.0387
#2	.0975	.0486	.0680	.1106	3.356	.2804	.0389
#3	.1061	.0439	.0836	.1031	3.332	.3331	.0390

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0873	.0042	.0153	.0597	1.393	.0109	.0316
SDev	.0070	.0044	.0001	.0023	.058	.0005	.0147

%RSD	7.971	104.4	.6877	3.869	4.186	4.327	46.39
#1	.0890	.0091	.0153	.0577	1.330	.0104	.0194
#2	.0797	.0007	.0154	.0592	1.402	.0114	.0275
#3	.0933	.0027	.0152	.0622	1.446	.0109	.0479

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0042	.0139	.0167
SDev	.0002	.0016	.0003
%RSD	4.873	11.73	2.057
#1	.0041	.0121	.0163
#2	.0040	.0153	.0169
#3	.0044	.0142	.0169

Analysis Report Tue 02-20-96 11:30:24 AM page 1

Method: ICP1A Sample Name: 96-2614 DUP Operator: DRS
Run Time: 02/20/96 11:29:05
Comment: 119.2B.F DUPLICATE (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0099	5.286	.0736	.0286	.0087	.0004	6.273
SDev	.0006	.059	.0127	.0011	.0000	.0000	.054
%RSD	5.586	1.113	17.24	3.998	.0000	1.454	.8548
#1	.0096	5.221	.0732	.0277	.0087	.0004	6.221
#2	.0105	5.334	.0865	.0299	.0087	.0004	6.328
#3	.0095	5.305	.0612	.0283	.0087	.0004	6.271

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5253	.0073	.1003	.0184	.4255	.0165	.0119
SDev	.0057	.0017	.0023	.0009	.0075	.0013	.0001
%RSD	1.085	23.37	2.279	5.159	1.759	7.705	.6921
#1	.5187	.0066	.0995	.0190	.4191	.0150	.0120
#2	.5285	.0060	.1029	.0189	.4237	.0173	.0119
#3	.5287	.0092	.0986	.0173	.4337	.0171	.0118

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	3.187	2255.	.0227	.0126	.1446	.1129
SDev	.0001	.035	24.	.0001	.0006	.0098	.0019
%RSD	2.970	1.110	1.044	.4783	4.558	6.784	1.637
#1	.0045	3.147	2228.	.0227	.0133	.1437	.1108
#2	.0045	3.214	2273.	.0229	.0123	.1551	.1142
#3	.0043	3.201	2263.	.0227	.0123	.1355	.1138

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0216	28.02	.0706	.6165	6.783	.0864	.2099
SDev	.0009	.32	.0024	.0105	.078	.0070	.0082
%RSD	4.004	1.158	3.372	1.704	1.147	8.086	3.923
#1	.0222	27.65	.0712	.6057	6.693	.0929	.2191
#2	.0206	28.25	.0680	.6266	6.818	.0872	.2032
#3	.0221	28.15	.0727	.6172	6.837	.0790	.2074

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0983	.0459	.0862	.1073	3.208	.3196	.0471
SDev	.0034	.0027	.0157	.0109	.023	.0184	.0006
%RSD	3.479	5.987	18.16	10.20	.7074	5.756	1.169
#1	.1023	.0428	.1041	.1064	3.191	.3142	.0465
#2	.0963	.0474	.0796	.0969	3.234	.3046	.0475
#3	.0964	.0476	.0749	.1187	3.199	.3402	.0475

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0891	.0052	.0234	.0619	1.513	.0112	.0296
SDev	.0027	.0041	.0003	.0094	.056	.0002	.0123

%RSD	3.012	79.33	1.321	13.54	3.684	1.877	41.45
#1	.0910	.0011	.0230	.0587	1.539	.0109	.0419
#2	.0902	.0093	.0236	.0714	1.449	.0113	.0296
#3	.0860	.0051	.0235	.0556	1.551	.0113	.0173

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0040	.0144	.0176
SDev	.0004	.0004	.0002
%RSD	9.263	2.624	1.333
#1	.0040	.0140	.0177
#2	.0036	.0147	.0174
#3	.0044	.0145	.0178

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Method: ICP1A Sample Name: 96-2616 Operator: DRS
Run Time: 02/20/96 11:32:57
Comment: 119.3B.F (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC DRS Corr. Factor: 1
2/20/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0101	3.385	.0632	.0130	.0098	.0003	5.887
SDev	.0004	.011	.0051	.0047	.0001	.0000	.035
%RSD	3.538	.3366	8.003	35.83	1.533	10.19	.5961
#1	.0104	3.373	.0595	.0096	.0096	.0003	5.848
#2	.0103	3.395	.0612	.0111	.0099	.0003	5.917
#3	.0097	3.388	.0689	.0183	.0098	.0004	5.894

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5429	.0013	.0981	.0178	.4390	.0155	.0117
SDev	.0039	.0008	.0038	.0012	.0031	.0005	.0007
%RSD	.7136	63.49	3.881	6.969	.6943	3.449	6.057
#1	.5384	.0017	.0951	.0164	.4377	.0151	.0112
#2	.5456	.0018	.0969	.0184	.4425	.0153	.0113
#3	.5446	.0003	.1024	.0186	.4368	.0161	.0125

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	3.661	2284.	.0213	.0402	.1438	.1078
SDev	.0001	.018	10.	.0008	.0009	.0076	.0009
%RSD	2.842	.5044	.4461	3.619	2.147	5.280	.8600
#1	.0045	3.641	2274.	.0205	.0397	.1366	.1067
#2	.0043	3.677	2294.	.0219	.0397	.1432	.1085
#3	.0045	3.663	2283.	.0217	.0412	.1517	.1082

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0246	27.23	.0739	.7850	5.473	.0871	.2053
SDev	.0005	.18	.0041	.0050	.041	.0084	.0047
%RSD	1.999	.6750	5.559	.6372	.7504	9.603	2.285
#1	.0249	27.04	.0700	.7825	5.486	.0776	.2007
#2	.0249	27.40	.0736	.7907	5.427	.0934	.2052
#3	.0240	27.25	.0781	.7817	5.507	.0902	.2101

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0956	.0467	.0792	.1015	2.885	.3374	.0471
SDev	.0047	.0040	.0140	.0142	.012	.0257	.0003
%RSD	4.912	8.518	17.67	13.98	.4265	7.604	.5791
#1	.0932	.0423	.0951	.0857	2.875	.3379	.0468
#2	.0925	.0481	.0691	.1131	2.899	.3115	.0473
#3	.1010	.0499	.0733	.1057	2.882	.3628	.0471

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0908	.0049	.0143	.0587	1.353	.0103	.0242
SDev	.0022	.0007	.0002	.0058	.060	.0006	.0083

%RSD	2.459	13.83	1.488	9.863	4.414	5.385	34.1e
#1	.0883	.0053	.0141	.0546	1.377	.0102	.0256
#2	.0915	.0054	.0145	.0653	1.285	.0099	.0153
#3	.0927	.0041	.0144	.0563	1.396	.0109	.0316

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0042	.0138	.0163
SDev	.0002	.0007	.0004
%RSD	4.781	5.116	2.403
#1	.0041	.0130	.0158
#2	.0041	.0143	.0164
#3	.0044	.0141	.0166

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Method: ICP1A Sample Name: 96-2616 DUP Operator: DRS
Run Time: 02/20/96 11:37:35
Comment: 119.3B.F DUPLICATE (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0104	3.341	.0550	-.0002	.0097	.0004	5.731
SDev	.0007	.014	.0060	.0002	.0002	.0001	.042
%RSD	6.585	.4298	10.91	85.80	1.779	12.59	.7399
#1	.0096	3.324	.0582	-.0002	.0096	.0003	5.717
#2	.0106	3.351	.0587	-.0004	.0096	.0004	5.697
#3	.0109	3.347	.0481	-.0000	.0099	.0004	5.778

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5978	.0101	.1031	.0190	.4183	.0169	.0119
SDev	.0036	.0049	.0017	.0003	.0049	.0011	.0003
%RSD	.6025	48.77	1.637	1.645	1.179	6.504	2.833
#1	.5937	.0055	.1043	.0188	.4178	.0157	.0121
#2	.6001	.0153	.1039	.0189	.4234	.0170	.0122
#3	.5997	.0098	.1013	.0194	.4136	.0179	.0115

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	3.421	2267.	.0231	.0359	.1368	.1243
SDev	.0000	.014	8.	.0009	.0003	.0041	.0008
%RSD	.0789	.3983	.3449	3.990	2.122	3.008	.6772
#1	.0042	3.405	2259.	.0241	.0357	.1375	.1235
#2	.0043	3.430	2272.	.0226	.0357	.1324	.1243
#3	.0043	3.428	2270.	.0224	.0360	.1405	.1251

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0249	25.58	.0714	.5863	5.283	.0898	.2123
SDev	.0000	.04	.0011	.0043	.031	.0107	.0057
%RSD	.0530	.1709	1.514	.7388	.5951	11.94	2.694
#1	.0249	25.54	.0701	.5867	5.295	.0779	.2074
#2	.0249	25.62	.0718	.5818	5.261	.0986	.2114
#3	.0249	25.59	.0721	.5904	5.299	.0929	.2187

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0999	.0467	.0628	.0907	3.029	.3173	.0455
SDev	.0015	.0019	.0056	.0185	.009	.0416	.0003
%RSD	1.527	4.017	8.999	20.39	.3075	13.11	.6916
#1	.0984	.0488	.0565	.1097	3.023	.2960	.0451
#2	.1014	.0459	.0645	.0727	3.039	.2906	.0457
#3	.1000	.0453	.0674	.0896	3.024	.3652	.0457

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0881	.0039	.0213	.0623	1.381	.0112	.0337
SDev	.0063	.0036	.0002	.0060	.060	.0002	.0055

%RSD	7.206	92.92	.8311	9.591	4.575	1.820	1e.28
#1	.0922	.0057	.0211	.0620	1.419	.0111	.0399
#2	.0808	.0063	.0214	.0565	1.308	.0115	.0295
#3	.0912	-.0003	.0215	.0664	1.416	.0111	.0316

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0041	.0164	.0146
SDev	.0000	.0011	.0003
%RSD	.8418	6.829	1.831
#1	.0040	.0152	.0146
#2	.0041	.0173	.0149
#3	.0040	.0168	.0143

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Method: ICP1A Sample Name: SRM 2709 Operator: DRS
Run Time: 02/20/96 11:41:19
Comment: LCS BX112/C119-2 (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0108	19.99	.1337	.0086	.2472	.0020	.0756
SDev	.0006	.05	.0089	.0012	.0005	.0000	.0147
%RSD	5.396	.2285	6.597	14.12	.2099	.2619	19.46
#1	.0111	20.04	.1238	.0079	.2475	.0020	.0924
#2	.0102	20.00	.1406	.0079	.2475	.0020	.0652
#3	.0112	19.95	.1366	.0100	.2466	.0020	.0691

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.564	.0079	.0882	.0227	.0533	.0193	.0126
SDev	.009	.0075	.0054	.0004	.0002	.0011	.0001
%RSD	.1549	94.67	6.166	1.578	.4528	5.867	.7102
#1	5.566	.0035	.0828	.0227	.0532	.0179	.0126
#2	5.571	.0037	.0892	.0223	.0536	.0199	.0127
#3	5.554	.0165	.0937	.0231	.0532	.0199	.0125

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	9.564	2258.	.0290	.0223	4.360	.2371
SDev	.0002	.024	7.	.0008	.0005	.005	.0003
%RSD	4.306	.2532	.2978	2.948	2.239	.1081	.1279
#1	.0045	9.582	2263.	.0289	.0228	4.365	.2374
#2	.0047	9.573	2260.	.0282	.0218	4.356	.2368
#3	.0049	9.536	2250.	.0299	.0223	4.359	.2370

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0170	4.354	.0807	1.048	.2847	.1392	.2147
SDev	.0005	.028	.0052	.002	.0069	.0060	.0052
%RSD	3.210	.6479	6.373	.2162	2.440	4.283	2.435
#1	.0165	4.335	.0755	1.049	.2880	.1349	.2190
#2	.0169	4.387	.0810	1.049	.2767	.1367	.2089
#3	.0176	4.341	.0858	1.045	.2893	.1460	.2162

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0977	.0521	.1080	.1828	75.57	.3790	.0654
SDev	.0025	.0009	.0181	.0181	.19	.0239	.0002
%RSD	2.548	1.787	16.74	9.906	.2552	6.308	.2417
#1	.0948	.0515	.0885	.1643	75.69	.3514	.0655
#2	.0990	.0532	.1113	.2005	75.67	.3921	.0655
#3	.0993	.0516	.1242	.1837	75.34	.3934	.0652

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1238	.0133	.8446	.0784	1.178	.0411	.0446
SDev	.0030	.0066	.0023	.0215	.047	.0002	.0052

%RSD	2.420	49.20	.2674	27.44	3.989	.4376	11.54
#1	.1271	.0070	.8458	.0561	1.124	.0412	.0440
#2	.1212	.0129	.8461	.0601	1.208	.0411	.0501
#3	.1232	.0200	.8420	.0991	1.202	.0409	.0398

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0091	.0340	.0199
SDev	.0002	.0007	.0002
%RSD	2.329	2.029	1.080
#1	.0090	.0340	.0197
#2	.0089	.0347	.0201
#3	.0093	.0333	.0199

Analysis Report QC Standard Tue 02-20-96 11:50:36 AM page 1

Method: ICP1A Sample Name: QC_MCVA 9601301901 Operator: DRS
Run Time: 02/20/96 11:49:17
Comment: (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass* DRS 2/20/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5057	9.936	2.684	2.027	.5008	.0959	24.47
SDev	.0029	.051	.037	.016	.0031	.0006	.16
%RSD	.5706	.5086	1.375	.7666	.6181	.5856	.6710
#1	.5066	9.944	2.671	2.032	.5017	.0962	24.51
#2	.5080	9.982	2.726	2.040	.5034	.0963	24.60
#3	.5025	9.882	2.655	2.010	.4974	.0953	24.28
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.82	.5389	.0223	1.026	1.024	.9282	.0041
SDev	.15	.0137	.0022	.007	.013	.0064	.0004
%RSD	.6154	2.537	9.912	.6764	1.258	.6845	9.910
#1	24.88	.5432	.0234	1.028	1.016	.9326	.0037
#2	24.94	.5336	.0198	1.032	1.038	.9311	.0042
#3	24.65	.5498	.0236	1.019	1.015	.9209	.0044
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	20.48	23.75	.0128	1.975	33.01	.5101
SDev	.0001	.14	.13	.0008	.002	.19	.0033
%RSD	3.830	.6891	.5673	6.173	.4005	.5660	.6525
#1	.0032	20.54	23.79	.0135	1.981	33.07	.5109
#2	.0031	20.58	23.86	.0119	1.978	33.16	.5139
#3	.0034	20.33	23.60	.0129	1.966	32.80	.5064
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.028	37.21	.0265	1.005	4.943	2.579	.0585
SDev	.006	.20	.0039	.013	.066	.013	.0037
%RSD	.5504	.5460	14.66	1.337	1.336	.5036	6.391
#1	1.028	37.33	.0221	1.015	4.989	2.586	.0600
#2	1.033	37.32	.0293	1.010	4.973	2.588	.0542
#3	1.022	36.98	.0281	.9894	4.868	2.564	.0612
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0257	.0316	03.280	2.655	18.99	.2025	.5122
SDev	.0013	.0020	.005	.019	.11	.0350	.0031
%RSD	5.028	6.284	.1441	.7332	.6021	17.29	.6018
#1	.0242	.0339	03.280	2.647	19.05	.1785	.5130
#2	.0265	.0309	03.276	2.677	19.06	.1863	.5148
#3	.0264	.0301	03.285	2.641	18.86	.2427	.5068
Errors	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0701	.0292	1.001	2.538	.4983	.9970	.0501
SDev	.0022	.0015	.003	.029	.0943	.0056	.0070
%RSD	3.110	5.022	.7789	1.142	18.93	.5630	14.00
#1	.0714	.0276	1.004	2.559	.5934	.9995	.0563
#2	.0676	.0306	1.007	2.551	.4854	1.001	.0521
#3	.0713	.0295	.9919	2.505	.4111	.9905	.0421
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0023	1.029	2.002
SDev	.0001	.004	.014
%RSD	6.108	.3822	.7034
#1	.0025	1.030	2.009
#2	.0021	1.033	2.011
#3	.0022	1.025	1.986
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report Tue 02-20-96 11:54:29 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/20/96 11:53:10
Comment: LCS BX112/C119-2 (CORE 119 KOH/KNO3 FUSIONS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0210	.0099	-.0474	.0006	.0001	-.0020
SDev	.0004	.0092	.0084	.0036	.0002	.0000	.0079
%RSD	19.08	43.73	85.21	7.630	29.51	33.93	399.5
#1	.0019	.0183	.0110	-.0457	.0005	.0001	.0016
#2	.0027	.0134	.0177	-.0450	.0005	.0001	.0035
#3	.0026	.0312	.0010	-.0516	.0008	.0001	-.0110

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0099	.0434	.0159	.0027	-.0015	.0005	.0030
SDev	.0006	.0145	.0069	.0005	.0022	.0013	.0010
%RSD	5.910	33.43	43.60	19.20	143.2	247.6	33.59
#1	-.0093	.0267	.0169	.0022	.0001	.0016	.0033
#2	-.0100	.0502	.0066	.0032	-.0040	-.0010	.0019
#3	-.0105	.0532	.0223	.0026	-.0007	.0010	.0038

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-.0049	-.0474	.0068	.0012	-.0001	-.0012
SDev	.0001	.0001	.0724	.0008	.0003	.0081	.0001
%RSD	11.81	1.763	152.8	11.83	24.74	8186.	7.637
#1	.0012	-.0049	.0158	.0065	.0013	.0092	-.0011
#2	.0010	-.0048	-.1264	.0062	.0008	-.0049	-.0013
#3	.0012	-.0050	-.0316	.0078	.0013	-.0046	-.0011

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0484	.0163	-.0111	.0172	.0107	.0696
SDev	.0019	.0033	.0020	.0030	.0141	.0062	.0085
%RSD	143.1	6.751	12.35	26.63	81.99	58.39	12.27
#1	-.0008	.0503	.0164	-.0103	.0208	.0079	.0741
#2	.0020	.0446	.0183	-.0087	.0291	.0063	.0598
#3	.0028	.0503	.0143	-.0144	.0016	.0178	.0750

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0245	.0086	.0131	.0313	.0635	.0515	.0004
SDev	.0017	.0019	.0141	.0095	.0036	.0050	.0000
%RSD	6.776	22.23	107.5	30.34	5.682	9.664	.0570
#1	.0241	.0097	.0146	.0372	.0677	.0566	.0004
#2	.0231	.0064	-.0017	.0204	.0614	.0467	.0004
#3	.0263	.0096	.0264	.0365	.0615	.0511	.0004

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0217	-.0023	.0008	.0201	.2981	.0015	.0078
SDev	.0048	.0015	.0006	.0040	.0496	.0002	.0052

%RSD	22.03	65.72	69.28	19.97	16.64	10.39	67.04
#1	.0260	-.0040	.0010	.0199	.3195	.0017	.0126
#2	.0226	-.0012	.0002	.0242	.2414	.0014	.0084
#3	.0166	-.0016	.0013	.0162	.3333	.0015	.0022

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0007	-.0027	.0013
SDev	.0002	.0009	.0004
%RSD	26.83	33.83	34.11
#1	.0008	-.0017	.0018
#2	.0005	-.0023	.0010
#3	.0008	-.0035	.0011

DATE TO QC: 03/18/96

DATA QUALITY REVIEW

I have reviewed the following data for completeness and for compliance with project requirements.

Analyte - ICP - Fusion, Field Blank, Hydrostatic Fluid

Data Package/Report - BX-112 & BX-104

Project No. - 22762

ACL Numbers - 96-2617, 96-2618, 96-3365, 96-3366
96-2987, 96-2988

Kyrahl-Yinger
PNL ACL Quality Representative

3/28/96
Date

Project: TWRS
Procedure: PNL-ALO-211

File: m030896a
Analyzed: 03/08/96

BX-112 Core 118/119 Fusions

		118 Composite			119 Composite					
Sam Log#:		96-02617	96-02617		96-02618	96-02618		96-02617		
Split#:		118.com.F	118.com.F		119.com.F	119.com.F		Blank		
ICP Dil:		1.00	1.00		1.00	1.00		1.00		
Dil Fctr:		2360.7	2093.8		2351.8	1917.9		2164.7		
Est. IDL ug/mL	Analyte	Sample ug/g	Duplicate ug/g	RPD	Sample ug/g	Duplicate ug/g	RPD	Batch Blk ug/g	Post Spike Recoveries Spk "A"	Spk "B"
0.015	Ag	ND	ND		ND	ND		ND	87.3%	
0.060	Al	13,428	13,984	4	16,844	15,700	7	(343)	97.1%	
0.080	As	ND	ND		ND	ND		ND	104.9%	
0.050	B	ND	ND		ND	ND		ND	101.4%	
0.010	Ba	ND	ND		ND	(19)		ND	97.6%	
0.005	Be	ND	ND		ND	ND		ND	94.4%	
0.100	Bi	17,781	17,950	1	19,852	18,692	6	ND	95.3%	
0.250	Ca	(1,088)	(1,102)		(1,278)	(1,089)		(848)	98.6%	
0.015	Cd	ND	ND		ND	ND		ND	95.3%	
0.100	Ce	ND	ND		ND	ND		ND		100.9%
0.050	Co	ND	ND		ND	ND		ND	98.6%	
0.020	Cr	1,318	1,335	1	1,282	1,308	2	ND	97.0%	
0.050	Cu	ND	ND		ND	ND		ND	94.6%	
0.050	Dy	ND	ND		ND	ND		ND		98.7%
0.100	Eu	ND	ND		ND	ND		ND		99.4%
0.050	Fe	8,955	8,969	0	11,559	11,605	0	ND	99.1%	
2.000	K	n/a	n/a		n/a	n/a		n/a		
0.050	La	ND	ND		ND	ND		ND		99.5%
0.030	Li	(119)	(119)		ND	ND		ND	94.4%	
0.100	Mg	(289)	(345)		(337)	(273)		ND	99.4%	
0.050	Mn	(191)	(187)		(233)	(187)		(112)	99.7%	
0.030	Mo	ND	ND		ND	ND		ND	100.8%	
0.250	Na	83,287	84,326	1	82,427	82,590	0	(2,330)	99.6%	
0.100	Nd	ND	ND		ND	ND		ND		97.8%
0.030	Ni	n/a	n/a		n/a	n/a		n/a		
0.250	P	20,238	20,521	1	20,220	20,590	2	ND	93.1%	
0.100	Pb	ND	ND		ND	ND		ND	98.5%	
0.300	Pd	ND	ND		ND	ND		ND		91.3%
0.300	Rh	ND	ND		ND	ND		ND		99.7%
0.100	Ru	ND	ND		ND	ND		ND		101.4%
0.100	Sb	ND	ND		ND	ND		ND	102.1%	
0.100	Se	ND	ND		ND	ND		ND	103.2%	
0.500	Si	(6,784)	(7,526)		(9,063)	(8,286)		ND	92.5%	
1.000	Sn	ND	ND		ND	ND		ND		110.1%
0.015	Sr	(125)	(126)		(142)	(142)		ND	98.6%	
0.500	Te	ND	ND		ND	ND		ND		99.1%
0.800	Th	ND	ND		ND	ND		ND		145.8%
0.025	Ti	ND	ND		ND	ND		ND	97.5%	
0.500	Tl	ND	ND		ND	ND		ND	97.9%	
2.000	U	ND	ND		ND	ND		ND		95.2%
0.015	V	ND	ND		ND	ND		ND	98.2%	
0.500	W	ND	ND		ND	ND		ND		101.3%
0.010	Y	ND	ND		ND	ND		ND		97.6%
0.020	Zn	ND	(47)		(54)	(48)		ND	100.6%	
0.025	Zr	ND	ND		ND	ND		ND	97.9%	

Note:
1) Method Detecion Limit (MDL) = 10x IDL; "( )" results <MDL but =>IDL.
2) Above 5 times MDL, results reportable to 2 1/2 significant digits.
3) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
4) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
5) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
6) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
7) If RPD flagged with "*", then RPD >20% and sample & duplicate results >MDL.

Data, including calibration/QC, archived File ICP-325-405-1/96A0085

Analyzed Date: 03/08/96
Project: TWRS
Procedure: PNL-ALO-211
ICP Data Name: 96A0085
Tank ID: BX-112 Core 118/119 Fusions

File: m030896a
Reported: 03/15/96

Segment ID:		118 Composite		119 Composite						
Sample Log#		Sample 96-02617 118.com.F	Duplicate 96-02617 118.com.F	Sample 96-02618 119.com.F	Duplicate 96-02618 119.com.F	96-02617 Blank	96-02617 P.S. "A"	96-02617 P.S. "B"	Sample 96-02617 PS A Base	Duplicate 96-02617 PS B Base
Prep Type		Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g		0.2118	0.2388	0.2126	0.2607	0.2310	0.2118	0.2388	0.2118	0.2388
Makeup Vol-mL		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Dil: Smpl-mL		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Dil: Vol-mL		5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Prep Factor		2360.7	2093.8	2351.8	1917.9	2164.7	2360.7	2093.8	2360.7	2093.8
Spike ID							9602261901	9602211901		
Spike PreDil'n							2.0	2.0	2.0	2.0
ICP Dilution		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Dil Fctr		2360.7	2093.8	2351.8	1917.9	2164.7	2360.7	2093.8	2360.7	2093.8
Run Time		11:02	11:14	11:36	11:40	10:54	11:06	11:18	11:02	11:14
(ug/g)	Ag	10.4	11.5	12.3	10.5	8.8	515.1	-4.4	10.4	11.5
	Al	13427.7	13984.2	16844.4	15699.6	343.5	18176.3	6888.9	13427.7	13984.2
	As	57.9	86.2	77.3	76.7	54.1	3094.5	371.6	57.9	86.2
	B	15.4	29.7	31.8	26.5	2.9	2392.7	170.8	15.4	29.7
	Ba	18.4	19.9	22.2	19.5	5.4	576.3	6.8	18.4	19.9
	Be	0.3	0.4	0.5	0.4	0.3	111.4	0.6	0.3	0.4
	Bi	17780.7	17950.3	19851.8	18691.8	78.8	37003.7	8986.3	17780.7	17950.3
	Ca	1087.9	1101.6	1278.4	1088.6	847.8	29628.7	564.4	1087.9	1101.6
	Cd	-5.0	-3.4	-16.2	-16.3	-6.1	562.5	-14.8	-5.0	-3.4
	Ce	130.2	121.3	151.6	115.4	54.9	1.9	2112.9	130.2	121.3
	Co	19.1	26.4	30.3	23.0	15.4	1163.4	9.0	19.1	26.4
	Cr	1318.4	1335.2	1282.2	1308.1	6.0	1804.5	678.6	1318.4	1335.2
	Cu	16.9	27.3	28.8	19.6	15.7	1116.8	29.8	16.9	27.3
	Dy	10.5	10.3	10.9	10.5	7.7	-6.7	2066.5	10.5	10.3
	Eu	5.2	5.3	5.6	5.1	3.1	1.5	2080.2	5.2	5.3
	Fe	8954.9	8968.8	11558.9	11605.0	57.6	27869.8	4478.1	8954.9	8968.8
	K	5593031.2	4954986.8	5508771.9	4479152.1	5261576.4	2854376.8	2490842.7	5593031.2	4954986.8
	La	19.8	19.2	20.2	17.3	13.5	-5.8	1042.0	19.8	19.2
	Li	118.9	119.4	36.0	34.8	8.2	2287.5	51.6	118.9	119.4
	Mg	289.4	345.1	337.3	272.7	205.2	37679.6	5.8	289.4	345.1
	Mn	190.5	187.0	233.1	187.5	111.9	683.9	90.5	190.5	187.0
	Mo	47.7	46.0	45.8	44.1	18.0	1189.7	26.7	47.7	46.0
	Na	83286.9	84326.0	82426.6	82590.1	2329.9	84777.5	42453.6	83286.9	84326.0
	Nd	64.0	71.7	71.8	64.2	46.8	-34.5	2047.9	64.0	71.7
	Ni	2505.6	2305.1	2430.1	1053.4	1641.9	2410.6	1182.8	2505.6	2305.1
	P	20237.7	20520.6	20220.4	20590.4	104.7	15612.7	10162.9	20237.7	20520.6
	Pb	128.6	138.1	169.1	132.1	67.3	2906.2	278.9	128.6	138.1
	Pd	213.1	229.4	244.2	191.6	154.9	-101.1	1912.5	213.1	229.4
	Rh	107.6	106.7	113.1	98.6	70.9	-44.4	2086.5	107.6	106.7
	Ru	47.3	44.8	59.1	53.2	32.2	5.8	2123.4	47.3	44.8
	Sb	63.9	66.4	75.1	65.3	36.5	3012.1	112.8	63.9	66.4
	Se	148.9	165.9	184.8	176.7	106.7	3044.5	159.2	148.9	165.9
	Si	6784.0	7525.7	9063.3	8286.0	841.0	25231.7	9304.7	6784.0	7525.7
	Sn	418.6	382.7	492.1	448.2	250.2	222.2	2304.4	418.6	382.7
	Sr	125.5	126.4	141.5	141.6	6.2	644.7	65.7	125.5	126.4
	Te	104.3	98.4	129.1	112.4	69.6	56.6	2075.1	104.3	98.4
	Th	11.4	5.9	18.8	24.0	10.2	63.2	10377.8	11.4	5.9
	Ti	15.5	20.3	29.9	20.4	9.8	1151.3	10.9	15.5	20.3
	Tl	69.0	62.6	68.4	60.9	20.5	2887.9	39.1	69.0	62.6
	U	1996.4	1972.7	2076.1	1853.5	783.7	-0.9	24906.3	1996.4	1972.7
	V	10.5	13.3	13.3	12.0	6.1	1159.6	2.3	10.5	13.3
	W	42.6	52.3	65.8	32.0	33.1	53.1	2121.9	42.6	52.3
	Y	3.0	3.0	3.2	3.1	2.2	-1.7	1021.6	3.0	3.0
	Zn	43.4	47.3	53.6	48.1	8.3	1187.4	25.9	43.4	47.3
(ug/g)	Zr	44.6	45.0	44.1	40.2	6.4	2310.5	-46.4	44.6	45.0

Template: TC-KOH-2 ICP RAW DATA -- IEC Corrected m030896a

Analyzed: 03/08/96
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

BX-112 Core 118/119 Fusions

Raw Data
Data Page 2 of 2

Analyst: Danny Sanders 3/18/96 Reviewer: MW Ulm 3/18/96

Sample ID:		96-02617	96-02617	96-02618	96-02618	96-02617	96-02617	96-02617	PS Bases		Post Spikes	
Split ID:		118.com.F	118.com.F	119.com.F	119.com.F	Blank	P.S. "A"	P.S. "B"	"A"	"B"	"A"	"B"
Run Time:		11:02	11:14	11:36	11:40	10:54	11:06	11:18	11:02	11:14	ug/mL	ug/mL
(ug/mL)	Ag	0.0044	0.0055	0.0052	0.0055	0.0041	0.2182	-0.0021	0.0044	0.0055	0.500	
	Al	5.6880	6.6788	7.1623	8.1858	0.1587	7.6995	3.2902	5.6880	6.6788	10.000	
	As	0.0245	0.0412	0.0329	0.0400	0.0250	1.3108	0.1775	0.0245	0.0412	2.500	
	B	0.0065	0.0142	0.0135	0.0138	0.0013	1.0135	0.0816	0.0065	0.0142	2.000	
	Ba	0.0078	0.0095	0.0094	0.0102	0.0025	0.2441	0.0032	0.0078	0.0095	0.500	
	Be	0.0001	0.0002	0.0002	0.0002	0.0001	0.0472	0.0003	0.0001	0.0002	0.100	
	Bi	7.5319	8.5731	8.4410	9.7459	0.0364	15.6748	4.2918	7.5319	8.5731	25.000	
	Ca	0.4608	0.5261	0.5436	0.5676	0.3916	12.5507	0.2696	0.4608	0.5261	25.000	
	Cd	-0.0021	-0.0016	-0.0069	-0.0085	-0.0028	0.2383	-0.0071	-0.0021	-0.0016	0.500	
	Ce	0.0552	0.0579	0.0645	0.0602	0.0254	0.0008	1.0091	0.0552	0.0579		2.000
	Co	0.0081	0.0126	0.0129	0.0120	0.0071	0.4928	0.0043	0.0081	0.0126	1.000	
	Cr	0.5585	0.6377	0.5452	0.6820	0.0028	0.7644	0.3241	0.5585	0.6377	1.000	
	Cu	0.0072	0.0130	0.0123	0.0102	0.0072	0.4731	0.0142	0.0072	0.0130	1.000	
	Dy	0.0044	0.0049	0.0047	0.0055	0.0036	-0.0028	0.9870	0.0044	0.0049		2.000
	Eu	0.0022	0.0025	0.0024	0.0027	0.0014	0.0007	0.9935	0.0022	0.0025		2.000
	Fe	3.7933	4.2835	4.9148	6.0508	0.0266	11.8056	2.1387	3.7933	4.2835	20.000	
	K	2369.2080	2366.5017	2342.3298	2335.4299	2430.5852	1209.1140	1189.6265	2369.21	2366.50		
	La	0.0084	0.0092	0.0086	0.0090	0.0062	-0.0025	0.4977	0.0084	0.0092		1.000
	Li	0.0504	0.0570	0.0153	0.0182	0.0038	0.9690	0.0246	0.0504	0.0570	2.000	
	Mg	0.1226	0.1648	0.1434	0.1422	0.0948	15.9611	0.0028	0.1226	0.1648	32.000	
	Mn	0.0807	0.0893	0.0991	0.0977	0.0517	0.2897	0.0432	0.0807	0.0893	0.500	
	Mo	0.0202	0.0220	0.0195	0.0230	0.0083	0.5040	0.0127	0.0202	0.0220	1.000	
	Na	35.2803	40.2741	35.0478	43.0625	1.0763	35.9118	20.2759	35.2803	40.2741	36.700	
	Nd	0.0271	0.0342	0.0305	0.0335	0.0216	-0.0146	0.9781	0.0271	0.0342		2.000
	Ni	1.0614	1.1009	1.0333	0.5492	0.7585	1.0211	0.5649	1.0614	1.1009		
	P	8.5727	9.8006	8.5977	10.7358	0.0484	6.6135	4.8538	8.5727	9.8006	5.000	
	Pb	0.0545	0.0660	0.0719	0.0689	0.0311	1.2310	0.1332	0.0545	0.0660	2.500	
	Pd	0.0903	0.1096	0.1038	0.0999	0.0716	-0.0428	0.9134	0.0903	0.1096		2.000
	Rh	0.0456	0.0510	0.0481	0.0514	0.0327	-0.0188	0.9965	0.0456	0.0510		2.000
	Ru	0.0200	0.0214	0.0251	0.0278	0.0149	0.0025	1.0141	0.0200	0.0214		2.000
	Sb	0.0271	0.0317	0.0319	0.0340	0.0169	1.2759	0.0539	0.0271	0.0317	2.500	
	Se	0.0631	0.0792	0.0786	0.0921	0.0493	1.2897	0.0760	0.0631	0.0792	2.500	
	Si	2.8737	3.5943	3.8537	4.3203	0.3885	10.6881	4.4439	2.8737	3.5943	20.000	
	Sn	0.1773	0.1828	0.2092	0.2337	0.1156	0.0941	1.1006	0.1773	0.1828		2.000
	Sr	0.0532	0.0604	0.0602	0.0738	0.0029	0.2731	0.0314	0.0532	0.0604	0.500	
	Te	0.0442	0.0470	0.0549	0.0586	0.0322	0.0240	0.9911	0.0442	0.0470		2.000
	Th	0.0048	0.0028	0.0080	0.0125	0.0047	0.0268	4.9564	0.0048	0.0028		6.800
	Ti	0.0066	0.0097	0.0127	0.0106	0.0045	0.4877	0.0052	0.0066	0.0097	1.000	
	Tl	0.0292	0.0299	0.0291	0.0317	0.0095	1.2233	0.0187	0.0292	0.0299	2.500	
	U	0.8457	0.9422	0.8828	0.9664	0.3620	-0.0004	11.8952	0.8457	0.9422		25.000
	V	0.0044	0.0064	0.0057	0.0063	0.0028	0.4912	0.0011	0.0044	0.0064	1.000	
	W	0.0180	0.0250	0.0280	0.0167	0.0153	0.0225	1.0134	0.0180	0.0250		2.000
	Y	0.0013	0.0014	0.0014	0.0016	0.0010	-0.0007	0.4879	0.0013	0.0014		1.000
	Zn	0.0184	0.0226	0.0228	0.0251	0.0038	0.5030	0.0124	0.0184	0.0226	1.000	
(ug/mL)	Zr	0.0189	0.0215	0.0188	0.0210	0.0030	0.9787	-0.0222	0.0189	0.0215	2.000	

Project: TWRS
Procedure: PNL-ALO-211

File: m030896b
Analyzed: 03/08/96

BX-112 Core 118
Samples batched with 118.comp.F and 119.comp.F

	1/2 Segment 1A		1/2 Segment 1B	
Sam Log#:	96-03365	96-03365	96-03366	96-03366
Split#:	118.1A.F	118.1A.F	118.1B.F	118.1B.F
ICP Dil:	1.00	1.00	1.00	1.00
Dil Fctr:	2355.2	2174.9	1986.5	1973.2

Est. IDL ug/mL	Analyte	Sample ug/g	Duplicate ug/g	RPD	Sample ug/g	Duplicate ug/g	RPD
0.015	Ag	ND	ND		ND	ND	
0.060	Al	15,313	14,646	4	14,584	15,788	8
0.080	As	ND	ND		ND	ND	
0.050	B	ND	ND		ND	ND	
0.010	Ba	ND	ND		ND	(26)	
0.005	Be	ND	ND		ND	ND	
0.100	Bi	17,448	16,877	3	17,575	18,858	7
0.250	Ca	(1,233)	(1,030)		(1,001)	(1,063)	
0.015	Cd	ND	ND		ND	ND	
0.100	Ce	ND	ND		ND	ND	
0.050	Co	ND	ND		ND	ND	
0.020	Cr	1,373	1,325	4	923	895	3
0.050	Cu	ND	ND		ND	ND	
0.050	Dy	ND	ND		ND	ND	
0.100	Eu	ND	ND		ND	ND	
0.050	Fe	8,628	8,406	3	11,543	11,838	3
2.000	K	n/a	n/a		n/a	n/a	
0.050	La	ND	ND		ND	ND	
0.030	Li	ND	ND		ND	ND	
0.100	Mg	(318)	(298)		(286)	(253)	
0.050	Mn	(206)	(187)		(185)	(207)	
0.030	Mo	ND	ND		ND	ND	
0.250	Na	83,721	81,175	3	77,653	77,892	0
0.100	Nd	ND	ND		ND	ND	
0.030	Ni	n/a	n/a		n/a	n/a	
0.250	P	21,948	21,208	3	16,096	17,115	6
0.100	Pb	ND	ND		ND	ND	
0.300	Pd	ND	ND		ND	ND	
0.300	Rh	ND	ND		ND	ND	
0.100	Ru	ND	ND		ND	ND	
0.100	Sb	ND	ND		ND	ND	
0.100	Se	ND	ND		ND	ND	
0.500	Si	(7,845)	(7,499)		(8,896)	(7,895)	
1.000	Sn	ND	ND		ND	ND	
0.015	Sr	(129)	(123)		(110)	(251)	
0.500	Te	ND	ND		ND	ND	
0.800	Th	ND	ND		ND	ND	
0.025	Ti	ND	ND		ND	ND	
0.500	Tl	ND	ND		ND	ND	
2.000	U	ND	ND		ND	ND	
0.015	V	ND	ND		ND	ND	
0.500	W	ND	ND		ND	ND	
0.010	Y	ND	ND		ND	ND	
0.020	Zn	ND	ND		ND	ND	
0.025	Zr	ND	ND		(60)	(69)	

Note:
1) Method Detecion Limit (MDL) = 10x IDL; "( )" results <MDL but =>IDL.
2) Above 5 times MDL, results reportable to 2 1/2 significant digits.
3) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
4) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
5) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
6) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
7) If RPD flagged with "*", then RPD >20% and sample & duplicate results >MDL.

Data, including calibration/QC, archived File ICP-325-405-1/96A0085

Analyzed Date: 03/08/96
Project: TWRS
Procedure: PNL-ALO-211
ICP Data Name: 96A0085
Tank ID: BX-112 Core 118

File: m030896b
Reported: 03/15/96

Segment ID:		1/2 Segment 1A		1/2 Segment 1B	
		Sample	Duplicate	Sample	Duplicate
Sample Log#		96-03365	96-03365	96-03366	96-03366
		118.1A.F	118.1A.F	118.1B.F	118.1B.F
Prep Type		Fusion	Fusion	Fusion	Fusion
Sample Wt-g		0.2123	0.2299	0.2517	0.2534
Makeup Vol-mL		100.0	100.0	100.0	100.0
Dil: Smpl-mL		1.00	1.00	1.00	1.00
Dil: Vol-mL		5.00	5.00	5.00	5.00
Prep Factor		2355.2	2174.9	1986.5	1973.2
Spike ID					
Spike PreDil'n					
ICP Dilution		1.00	1.00	1.00	1.00
Dil Fctr		2355.2	2174.9	1986.5	1973.2
Run Time		11:47	11:51	11:55	11:59
(ug/g)	Ag	10.1	14.8	11.0	14.4
	Al	15312.9	14645.6	14583.7	15788.0
	As	87.0	83.1	90.9	75.4
	B	20.7	25.0	22.4	11.2
	Ba	17.9	18.1	17.6	25.7
	Be	0.3	0.4	0.3	0.4
	Bi	17447.8	16876.9	17574.9	18858.3
	Ca	1232.9	1030.4	1001.1	1062.8
	Cd	-22.4	-17.7	-0.2	-1.6
	Ce	126.2	163.8	135.4	142.9
	Co	24.9	27.7	27.7	22.7
	Cr	1372.9	1325.2	923.1	895.4
	Cu	21.0	25.0	23.9	13.3
	Dy	10.2	16.0	12.8	16.0
	Eu	5.2	7.2	5.6	7.0
	Fe	8627.8	8406.4	11542.6	11838.5
	K	5481009.3	4924851.1	4482028.0	4332274.9
	La	19.7	27.5	25.6	28.6
	Li	2.6	11.3	4.7	7.8
	Mg	318.2	298.0	285.6	252.7
	Mn	205.9	186.6	185.5	207.2
	Mo	45.1	48.5	39.7	39.3
	Na	83721.2	81174.8	77653.2	77892.2
	Nd	60.5	101.3	82.4	97.0
	Ni	1618.6	1233.3	2771.3	2725.6
	P	21948.3	21208.4	16095.8	17115.1
	Pb	119.5	155.6	141.4	158.4
	Pd	206.1	306.8	257.6	311.0
	Rh	97.5	150.0	130.9	146.7
	Ru	50.2	60.0	57.6	68.0
	Sb	60.9	92.9	80.0	70.7
	Se	171.6	181.9	159.2	187.0
	Si	7845.3	7499.2	8896.3	7895.2
	Sn	451.6	502.6	502.2	564.4
	Sr	128.5	123.3	109.6	251.3
	Te	111.2	140.2	107.6	116.9
	Th	15.8	11.8	6.9	5.2
	Ti	20.6	21.1	22.8	17.2
	Tl	76.4	71.1	44.0	77.5
	U	1955.8	2493.7	2018.1	2147.5
	V	10.5	14.2	16.1	15.5
	W	41.2	61.4	68.0	73.0
	Y	2.5	4.8	3.6	4.6
	Zn	20.1	18.7	25.5	25.5
(ug/g)	Zr	49.9	46.8	59.5	68.9

Template: TC-KOH-2 ICP RAW DATA -- IEC Corrected m030896b

Analyzed: 03/08/96
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

BX-112 Core 118

Raw Data
Data Page 2 of 2

Analyst: Danny Sanders 3/16/96

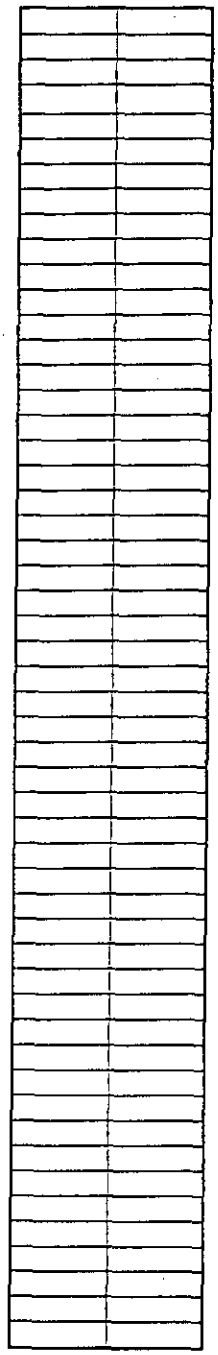
Reviewer: MW Thur 3-18-96

Sample ID:		96-03365	96-03365	96-03366	96-03366	Post Spikes "A"	Post Spikes "B"
Split ID:		118.1A.F	118.1A.F	118.1B.F	118.1B.F		
Run Time:		11:47	11:51	11:55	11:59	ug/mL	ug/mL
(ug/mL)	Ag	0.0043	0.0068	0.0056	0.0073	0.500	
	Al	6.5019	6.7340	7.3414	8.0014	10.000	
	As	0.0369	0.0382	0.0458	0.0382	2.500	
	B	0.0088	0.0115	0.0113	0.0057	2.000	
	Ba	0.0076	0.0083	0.0089	0.0130	0.500	
	Be	0.0001	0.0002	0.0002	0.0002	0.100	
	Bi	7.4083	7.7600	8.8472	9.5574	25.000	
	Ca	0.5235	0.4738	0.5039	0.5386	25.000	
	Cd	-0.0095	-0.0081	-0.0001	-0.0008	0.500	
	Ce	0.0536	0.0753	0.0681	0.0724		2.000
	Co	0.0106	0.0127	0.0140	0.0115	1.000	
	Cr	0.5829	0.6093	0.4647	0.4538	1.000	
	Cu	0.0089	0.0115	0.0120	0.0067	1.000	
	Dy	0.0043	0.0074	0.0065	0.0081		2.000
	Eu	0.0022	0.0033	0.0028	0.0036		2.000
	Fe	3.6634	3.8653	5.8106	5.9997	20.000	
	K	2327.2366	2264.4465	2256.2529	2195.5969		
	La	0.0084	0.0126	0.0129	0.0145		1.000
	Li	0.0011	0.0052	0.0024	0.0039	2.000	
	Mg	0.1351	0.1370	0.1438	0.1281	32.000	
	Mn	0.0874	0.0858	0.0934	0.1050	0.500	
	Mo	0.0192	0.0223	0.0200	0.0199	1.000	
	Na	35.5480	37.3242	39.0906	39.4758	36.700	
	Nd	0.0257	0.0466	0.0415	0.0492		2.000
	Ni	0.6873	0.5671	1.3951	1.3814		
	P	9.3193	9.7516	8.1026	8.6739	5.000	
	Pb	0.0508	0.0715	0.0712	0.0803	2.500	
	Pd	0.0875	0.1411	0.1297	0.1576		2.000
	Rh	0.0414	0.0690	0.0659	0.0743		2.000
	Ru	0.0213	0.0276	0.0290	0.0345		2.000
	Sb	0.0259	0.0427	0.0403	0.0358	2.500	
	Se	0.0729	0.0836	0.0802	0.0948	2.500	
	Si	3.3311	3.4481	4.4784	4.0013	20.000	
	Sn	0.1918	0.2311	0.2528	0.2860		2.000
	Sr	0.0546	0.0567	0.0552	0.1274	0.500	
	Te	0.0472	0.0645	0.0542	0.0592		2.000
	Th	0.0067	0.0054	0.0035	0.0026		6.800
	Ti	0.0087	0.0097	0.0115	0.0087	1.000	
	Tl	0.0324	0.0327	0.0221	0.0393	2.500	
	U	0.8305	1.1466	1.0159	1.0884		25.000
	V	0.0044	0.0065	0.0081	0.0079	1.000	
	W	0.0175	0.0282	0.0342	0.0370		2.000
	Y	0.0011	0.0022	0.0018	0.0024		1.000
	Zn	0.0085	0.0086	0.0128	0.0129	1.000	
(ug/mL)	Zr	0.0212	0.0215	0.0300	0.0349	2.000	

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC CCV1 96012	V1 960126H901
										A0085	A0085
										3/8/96	3/8/96
Statistical Summary for 'QC CCV1 960126H901'										10:16	13:20
(HPS:CCV-1)										CONC	CONC
	TRUE	**N**	**Average**	**S.Dev**	**%RSD**	**Bias**	**Bias**	**High**	**Low**	1565	1611
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)
Ag		2	0.000	0.005	2192					0.004	-0.003
Al	2.000	2	1.960	0.009	0	-0.040	-2.0			1.966	1.954
As	2.000	2	2.085	0.001	0	0.085	4.2			2.085	2.085
B	2.000	2	2.050	0.012	1	0.050	2.5			2.041	2.058
Ba	1.000	2	0.993	0.016	2	-0.007	-0.7			0.981	1.004
Be	1.000	2	0.987	0.009	1	-0.013	-1.3			0.993	0.981
Bi	2.000	2	1.959	0.032	2	-0.041	-2.0			1.981	1.937
Ca	2.000	2	2.063	0.050	2	0.063	3.2			2.099	2.028
Cd	1.000	2	1.036	0.032	3	0.036	3.6			1.014	1.059
Ce		2	-0.010	0.018	-172					0.002	-0.023
Co	1.000	2	1.020	0.001	0	0.020	2.0			1.020	1.021
Cr	0.500	2	0.505	0.000	0	0.005	1.0			0.505	0.505
Cu	2.000	2	2.000	0.024	1	0.000	0.0			1.984	2.017
Dy		2	-0.001	0.003	-267					0.001	-0.003
Eu		2	0.000	0.001	-2517					0.001	-0.001
Fe	2.000	2	2.028	0.016	1	0.028	1.4			2.039	2.016
K	5.000	2	4.340	0.476	11	-0.660	-13.2			4.677	4.004
La		2	-0.001	0.007	-1046					0.004	-0.005
Li	2.000	2	1.964	0.029	1	-0.036	-1.8			1.944	1.985
Mg	2.000	2	2.090	0.018	1	0.090	4.5			2.103	2.078
Mn	1.000	2	1.031	0.002	0	0.031	3.1			1.032	1.030
Mo	2.000	2	1.978	0.008	0	-0.022	-1.1			1.972	1.983
Na	8.100	2	8.495	0.206	2	0.395	4.9			8.349	8.640
Nd		2	-0.007	0.022	-314					0.008	-0.022
Ni	2.000	2	2.085	0.003	0	0.085	4.3			2.088	2.083
P	5.000	2	4.848	0.019	0	-0.152	-3.0			4.861	4.834
Pb	2.000	2	2.008	0.043	2	0.008	0.4			2.038	1.977
Pd		2	-0.012	0.066	-551					0.035	-0.059
Rh		2	-0.009	0.028	-313					0.011	-0.028
Ru		2	0.000	0.009	2575					0.007	-0.006
Sb		2	0.004	0.018	450					0.017	-0.009
Se	2.000	2	2.008	0.018	1	0.008	0.4			2.020	1.995
Si	5.000	2	4.829	0.037	1	-0.171	-3.4			4.855	4.804
Sn		2	0.010	0.084	797					0.070	-0.049
Sr	2.000	2	2.006	0.038	2	0.006	0.3			1.980	2.033
Te		2	0.016	0.034	208					0.040	-0.008
Th		2	0.012	0.004	28					0.010	0.015
Ti		2	0.000	0.001	-424					0.001	-0.001
Tl	2.000	2	1.960	0.011	1	-0.041	-2.0			1.967	1.952
U		2	-0.107	0.328	-307					0.125	-0.339
V	1.000	2	0.980	0.003	0	-0.020	-2.0			0.982	0.979
W		2	0.004	0.020	486					0.018	-0.010
Y		2	-0.001	0.001	-196					0.000	-0.002
Zn	1.000	2	1.026	0.022	2	0.026	2.6			1.010	1.041
Zr		2	-0.003	0.002	-83					-0.001	-0.004
TIME		2	#######	0.000	0					########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVA1 960	VA1 960	VA1 960	VA1 960
										A0085	A0085	A0085	A0085
										3/8/96	3/8/96	3/8/96	3/8/96
Statistical Summary for 'QC_MCVA1 960226I901'										09:57	10:47	11:29	12:08
(QC-MCVA)										CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	1887	1933	1979	2025
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag	0.500	5	0.482	0.007	1	-0.018	-3.7			0.478	0.493	0.481	0.477
Al	10.000	5	9.902	0.202	2	-0.098	-1.0			9.725	10.246	9.898	9.832
As	2.500	5	2.557	0.055	2	0.057	2.3			2.501	2.649	2.555	2.534
B	2.000	5	2.064	0.038	2	0.064	3.2			2.042	2.132	2.059	2.045
Ba	0.500	5	0.502	0.012	2	0.002	0.3			0.491	0.521	0.500	0.495
Be	0.100	5	0.095	0.002	2	-0.005	-4.9			0.094	0.099	0.095	0.094
Bi	25.000	5	24.196	0.507	2	-0.804	-3.2			23.847	25.075	24.172	23.997
Ca	25.000	5	24.864	0.426	2	-0.136	-0.5			24.631	25.614	24.804	24.681
Cd	0.500	5	0.496	0.010	2	-0.004	-0.7			0.499	0.501	0.481	0.493
Ce		5	-0.046	0.022	-48					-0.017	-0.077	-0.052	-0.051
Co	1.000	5	0.995	0.016	2	-0.005	-0.5			0.982	1.023	0.993	0.987
Cr	1.000	5	0.994	0.022	2	-0.006	-0.6			0.983	1.032	0.994	0.981
Cu	1.000	5	0.953	0.022	2	-0.047	-4.7			0.941	0.991	0.948	0.936
Dy		5	-0.009	0.003	-31					-0.006	-0.013	-0.009	-0.009
Eu		5	-0.001	0.001	-126					0.000	-0.002	-0.001	-0.001
Fe	20.000	5	20.196	0.406	2	0.196	1.0			19.960	20.908	20.146	20.023
K	25.000	5	23.111	0.599	3	-1.889	-7.6		-	23.800	23.569	22.863	22.283
La		5	-0.010	0.004	-44					-0.005	-0.016	-0.010	-0.011
Li	2.000	5	1.974	0.045	2	-0.026	-1.3			1.959	2.053	1.967	1.944
Mg	31.200	5	32.231	0.611	2	1.031	3.3			31.884	33.302	32.169	31.943
Mn	0.500	5	0.508	0.009	2	0.008	1.5			0.501	0.524	0.505	0.504
Mo	1.000	5	1.004	0.019	2	0.004	0.4			0.989	1.038	1.001	0.997
Na	36.700	5	37.055	0.745	2	0.355	1.0			36.072	38.161	37.117	36.905
Nd		5	-0.053	0.018	-34					-0.030	-0.078	-0.058	-0.059
Ni	1.000	5	1.006	0.032	3	0.006	0.6			0.978	1.060	1.007	0.996
P	5.000	5	4.784	0.080	2	-0.216	-4.3			4.768	4.925	4.746	4.740
Pb	2.500	5	2.416	0.038	2	-0.084	-3.3			2.411	2.481	2.409	2.389
Pd		5	-0.169	0.042	-25					-0.117	-0.231	-0.170	-0.178
Rh		5	-0.070	0.021	-31					-0.044	-0.101	-0.074	-0.075
Ru		5	-0.009	0.006	-74					-0.008	-0.019	-0.009	-0.004
Sb	2.500	5	2.532	0.041	2	0.032	1.3			2.521	2.600	2.534	2.503
Se	2.500	5	2.523	0.045	2	0.023	0.9			2.492	2.599	2.510	2.527
Si	20.000	5	18.465	0.340	2	-1.535	-7.7			18.248	19.051	18.471	18.303
Sn		5	0.040	0.078	192					0.135	-0.053	-0.011	0.030
Sr	0.500	5	0.512	0.012	2	0.012	2.5			0.500	0.532	0.512	0.510
Te		5	0.008	0.016	209					0.034	-0.005	0.005	-0.003
Th		5	0.045	0.003	7					0.043	0.045	0.044	0.042
Ti	1.000	5	0.994	0.021	2	-0.006	-0.6			0.976	1.030	0.992	0.987
Tl	2.500	5	2.443	0.036	1	-0.057	-2.3			2.420	2.505	2.441	2.437
U		5	-0.741	0.252	-34					-0.455	-1.110	-0.809	-0.766
V	1.000	5	1.000	0.020	2	0.000	0.0			0.989	1.035	0.997	0.990
W		5	0.025	0.006	25					0.035	0.022	0.027	0.022
Y		5	-0.002	0.001	-51					-0.001	-0.004	-0.002	-0.002
Zn	1.000	5	0.988	0.018	2	-0.012	-1.2			0.960	1.009	0.983	0.991
Zr	2.000	5	1.995	0.042	2	-0.005	-0.3			1.952	2.065	1.990	1.986
TIME		5	#######	0.000	0					########	########	########	########

FAIL

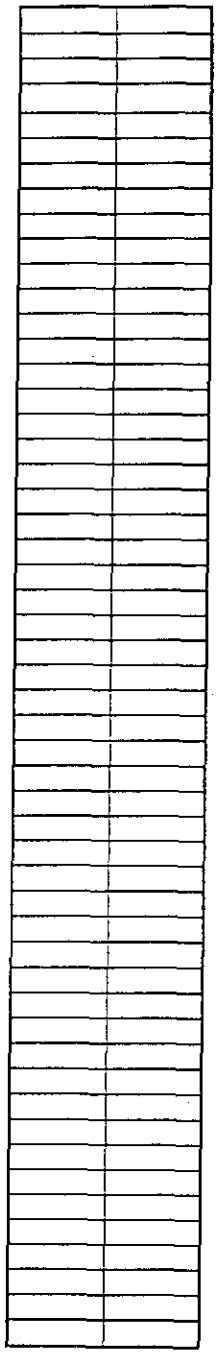
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

VA1 960226I901	
A0085	
3/8/96	
13:01	
CONC	
2071	
(ug/mL)	
0.479	
9.808	
2.548	
2.045	
0.500	
0.094	
23.888	
24.593	
0.508	
-0.035	
0.989	
0.979	
0.948	
-0.007	
0.000	
19.945	
23.039	
-0.007	
1.946	
31.856	
0.504	
0.995	
37.019	
-0.043	
0.988	
4.740	
2.392	
-0.151	
-0.057	
-0.003	
2.501	
2.486	
18.252	
0.101	
0.509	
0.007	
0.050	
0.983	
2.414	
-0.564	
0.987	
0.019	
-0.001	
0.996	
1.982	
########	

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVB2 960	VB2 9602211901		
										A0085	A0085		
										3/8/96	3/8/96		
Statistical Summary for 'QC_MCVB2 9602211901'										10:01	13:04		
(QC-MCVB)										CONC	CONC		
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	2117	2163		
	(ug/mL)		*(ug/mL)*	*(ug/mL)*	*(%)*	*(ug/mL)*	*(%)*	*(>110%)*	*(<90%)*	*(ug/mL)*	*(ug/mL)*		
Ag		2	-0.009	0.003	-36					-0.007	-0.011		
Al		2	-0.071	0.035	-49					-0.096	-0.047		
As		2	0.306	0.011	4					0.298	0.314		
B		2	0.163	0.007	4					0.168	0.158		
Ba		2	0.001	0.001	107					0.000	0.001		
Be		2	0.001	0.000	18					0.001	0.001		
Bi		2	0.085	0.018	22					0.098	0.072		
Ca		2	0.027	0.015	54					0.038	0.017		
Cd		2	0.047	0.018	37					0.035	0.060		
Ce	2.000	2	1.992	0.007	0	-0.008	-0.4			1.997	1.987		
Co		2	-0.002	0.003	-109					-0.001	-0.004		
Cr		2	0.006	0.004	71					0.008	0.003		
Cu		2	0.032	0.010	30					0.039	0.026		
Dy	2.000	2	2.001	0.009	0	0.001	0.0			1.994	2.007		
Eu	2.000	2	2.019	0.012	1	0.019	0.9			2.010	2.027		
Fe		2	0.027	0.001	3					0.028	0.026		
K		2	-1.886	0.259	-14					-1.703	-2.069		
La	1.000	2	1.000	0.012	1	0.000	0.0			0.991	1.009		
Li		2	-0.004	0.001	-24					-0.003	-0.005		
Mg		2	-0.133	0.001	-1					-0.132	-0.134		
Mn		2	-0.001	0.001	-225					-0.001	0.000		
Mo		2	0.008	0.002	29					0.010	0.007		
Na		2	0.199	0.013	6					0.208	0.190		
Nd	2.000	2	1.964	0.001	0	-0.036	-1.8			1.965	1.963		
Ni		2	0.026	0.002	9					0.027	0.024		
P		2	0.081	0.033	40					0.105	0.058		
Pb		2	0.217	0.030	14					0.239	0.196		
Pd	2.000	2	1.843	0.042	2	-0.157	-7.8			1.814	1.873		
Rh	2.000	2	1.975	0.009	0	-0.025	-1.3			1.982	1.968		
Ru	2.000	2	2.005	0.037	2	0.005	0.3			2.031	1.979		
Sb		2	0.083	0.004	5					0.086	0.080		
Se		2	0.068	0.022	32					0.084	0.053		
Si		2	7.277	0.438	6					7.587	6.967		
Sn	2.000	2	2.055	0.064	3	0.055	2.7			2.100	2.010		
Sr		2	0.003	0.000	16					0.003	0.002		
Te	2.000	2	1.894	0.041	2	-0.106	-5.3			1.922	1.865		
Th	10.000	2	9.922	0.042	0	-0.078	-0.8			9.892	9.951		
Ti		2	0.003	0.001	24					0.004	0.003		
Tl		2	0.011	0.000	4					0.011	0.011		
U	25.000	2	23.576	0.495	2	-1.424	-5.7			23.926	23.226		
V		2	-0.001	0.003	-272					0.001	-0.003		
W	2.000	2	1.980	0.027	1	-0.020	-1.0			1.999	1.962		
Y	1.000	2	0.979	0.009	1	-0.021	-2.1			0.985	0.973		
Zn		2	0.003	0.001	49					0.002	0.004		
Zr		2	-0.052	0.008	-15					-0.046	-0.058		
TIME		2	########	0.000	0					########	########		

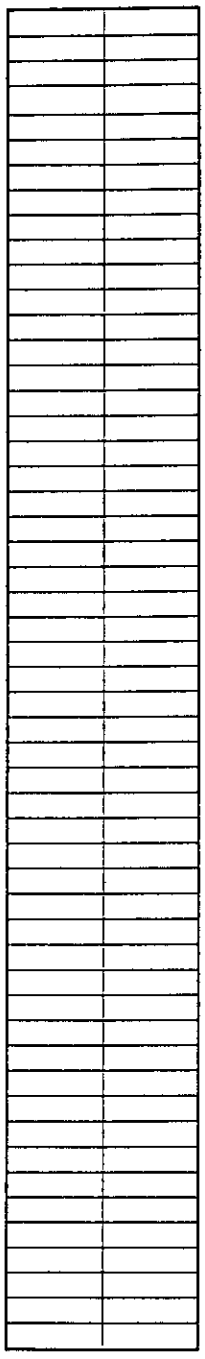
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

									QC_SRM-1643d	M-1643d 108518	
									A0085	A0085	
									3/8/96	3/8/96	
Statistical Summary for 'QC_SRM-1643d 108518'									10:12	13:16	
(NIST:SRM1643d)									CONC	CONC	
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	2209	1841	
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	
Ag	0.001	2	0.001	0.004	690	-0.001	-54.7	+	-	0.003	-0.002	
Al	0.128	2	0.154	0.056	36	0.026	20.4	+	-	0.193	0.114	
As	0.056	2	0.053	0.010	19	-0.003	-5.2		-	0.060	0.046	
B	0.145	2	0.145	0.002	1	0.000	0.0			0.146	0.143	
Ba	0.507	2	0.515	0.002	0	0.009	1.7			0.514	0.517	
Be	0.013	2	0.012	0.000	4	0.000	-3.4			0.012	0.012	
Bi	0.013	2	0.052	0.048	92	0.039	299.3	+		0.086	0.018	
Ca	31.050	2	31.291	0.501	2	0.241	0.8			31.645	30.937	
Cd	0.006	2	0.045	0.044	97	0.038	594.6	+		0.014	0.076	
Ce		2	-0.002	0.015	-651					0.008	-0.013	
Co	0.025	2	0.025	0.003	12	0.000	-0.1			0.027	0.023	
Cr	0.019	2	0.020	0.002	11	0.001	3.3	+		0.021	0.018	
Cu	0.021	2	0.015	0.002	13	-0.005	-26.5		-	0.016	0.014	
Dy		2	-0.001	0.002	-212					0.001	-0.003	
Eu		2	0.001	0.001	129					0.002	0.000	
Fe	0.091	2	0.112	0.035	32	0.021	23.1	+		0.137	0.087	
K	2.356	2	1.924	0.445	23	-0.432	-18.4		-	2.238	1.609	
La		2	0.012	0.011	95					0.019	0.004	
Li	0.017	2	0.016	0.000	1	0.000	-2.4			0.016	0.016	
Mg	7.989	2	8.495	0.121	1	0.506	6.3			8.581	8.409	
Mn	0.038	2	0.039	0.001	2	0.001	2.5			0.038	0.039	
Mo	0.113	2	0.112	0.003	3	-0.001	-0.9			0.114	0.110	
Na	22.070	2	22.184	0.358	2	0.114	0.5			21.931	22.437	
Nd		2	0.006	0.017	303					0.017	-0.006	
Ni	0.058	2	0.138	0.039	28	0.080	137.8	+		0.166	0.110	
P		2	0.021	0.063	294					0.066	-0.023	
Pb	0.018	2	0.018	0.024	135	0.000	-1.8	+	-	0.035	0.001	
Pd		2	-0.006	0.054	-922					0.032	-0.044	
Rh		2	-0.004	0.025	-589					0.014	-0.022	
Ru		2	-0.005	0.008	-163					0.001	-0.010	
Sb	0.054	2	0.049	0.014	29	-0.005	-9.6		-	0.059	0.039	
Se	0.011	2	0.019	0.030	158	0.007	65.3	+	-	0.040	-0.002	
Si	2.700	2	2.712	0.059	2	0.012	0.5			2.754	2.670	
Sn		2	-0.034	0.079	-231					0.022	-0.090	
Sr	0.295	2	0.301	0.002	1	0.006	2.1			0.300	0.302	
Te	0.001	2	-0.006	0.024	-396	-0.007	-694.5	+	-	0.011	-0.023	
Th		2	-0.009	0.003	-32					-0.011	-0.007	
Ti		2	0.000	0.001	672					0.001	0.000	
Tl	0.007	2	0.009	0.014	156	0.002	25.4	+	-	0.019	-0.001	
U		2	0.182	0.312	171					0.403	-0.038	
V	0.035	2	0.035	0.003	8	-0.001	-1.5			0.037	0.033	
W		2	-0.004	0.003	-78					-0.002	-0.006	
Y		2	0.000	0.001	1677					0.001	-0.001	
Zn	0.072	2	0.073	0.002	3	0.000	0.6			0.072	0.074	
Zr		2	-0.001	0.002	-291					0.001	-0.002	
TIME		2	#######	0.000	0					########	########	

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										ICP1.0 960103	.0 960103	.0 960103	.0 960103
										A0085	A0085	A0085	A0085
										3/8/96	3/8/96	3/8/96	3/8/96
Statistical Summary for 'ICP1.0 960103F100'										09:55	10:20	10:50	11:33
(ICP1.0 "Blank")										CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	1197	1243	1289	1335
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		6	0.000	0.003	18436					0.001	0.005	-0.003	-0.003
Al		6	0.009	0.008	83					0.008	0.020	0.013	0.005
As		6	0.002	0.008	462					0.008	0.004	0.012	-0.004
B		6	-0.002	0.004	-218					0.002	0.000	0.002	-0.003
Ba		6	0.000	0.001	482					0.000	0.002	0.000	-0.001
Be		6	0.000	0.000	144					0.000	0.001	0.000	0.000
Bi		6	0.019	0.014	73					0.016	0.023	0.042	0.012
Ca		6	0.021	0.015	68					0.010	0.017	0.050	0.021
Cd		6	0.006	0.016	251					0.017	0.020	-0.002	-0.012
Ce		6	-0.007	0.015	-230					0.006	0.012	-0.023	-0.025
Co		6	0.000	0.001	-291					0.000	0.002	-0.001	-0.002
Cr		6	0.001	0.002	230					0.000	0.002	0.003	0.003
Cu		6	-0.001	0.002	-181					-0.001	0.002	-0.003	-0.004
Dy		6	-0.001	0.002	-207					0.000	0.002	-0.004	-0.003
Eu		6	0.000	0.001	-8123					0.000	0.001	-0.001	-0.001
Fe		6	0.004	0.015	354					-0.007	-0.001	0.031	0.007
K		6	-0.556	0.627	-113					-0.037	0.082	-0.996	-1.294
La		6	-0.001	0.003	-316					0.001	0.003	-0.005	-0.005
Li		6	-0.001	0.003	-340					-0.002	0.000	0.005	-0.005
Mg		6	0.007	0.024	323					-0.003	0.003	0.048	0.005
Mn		6	-0.002	0.001	-65					-0.002	-0.001	-0.002	-0.002
Mo		6	0.002	0.002	111					0.002	0.006	0.002	0.001
Na		6	0.026	0.021	80					0.006	0.058	0.025	0.008
Nd		6	-0.008	0.014	-185					0.002	0.012	-0.021	-0.025
Ni		6	0.015	0.018	121					0.000	0.044	0.010	0.004
P		6	0.001	0.013	2275					-0.005	0.020	0.013	-0.012
Pb		6	-0.003	0.012	-347					0.004	0.017	-0.007	-0.015
Pd		6	0.003	0.040	1413					0.039	0.057	-0.037	-0.042
Rh		6	-0.001	0.020	-1653					0.022	0.021	-0.019	-0.024
Ru		6	-0.004	0.006	-160					0.001	0.006	-0.008	-0.010
Sb		6	-0.006	0.008	-123					-0.003	0.004	-0.010	-0.017
Se		6	0.007	0.010	155					0.016	0.017	0.008	-0.002
Si		6	0.036	0.030	82					0.079	0.036	0.047	0.040
Sn		6	-0.035	0.067	-191					0.025	0.062	-0.092	-0.108
Sr		6	0.001	0.001	97					0.000	0.002	0.001	0.000
Te		6	-0.002	0.016	-661					0.016	0.018	-0.016	-0.011
Th		6	-0.001	0.003	-355					0.001	-0.001	-0.003	0.003
Ti		6	0.000	0.001	-1400					0.000	0.001	0.000	-0.001
Tl		6	0.000	0.008	6619					0.007	0.010	-0.001	-0.012
U		6	-0.097	0.204	-210					0.017	0.216	-0.254	-0.364
V		6	0.000	0.001	-439					0.000	0.002	-0.001	-0.002
W		6	0.002	0.014	713					0.026	0.009	-0.005	-0.006
Y		6	-0.001	0.001	-120					0.000	0.000	-0.001	-0.001
Zn		6	-0.001	0.001	-51					-0.002	-0.001	-0.001	-0.002
Zr		6	-0.001	0.001	-97					-0.001	0.000	0.000	-0.003
TIME		6	#######	0.000	0					########	########	########	########

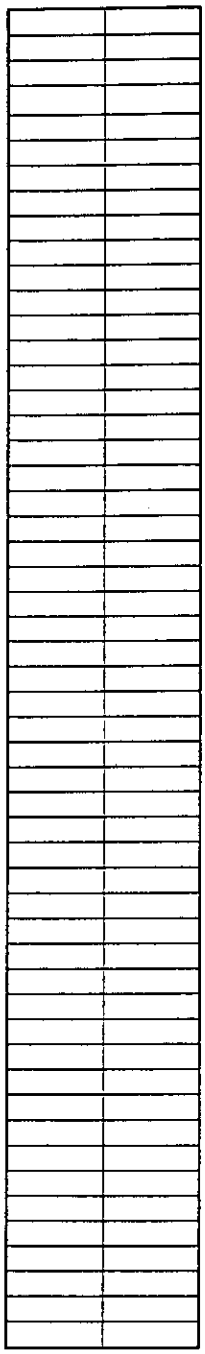
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

.0 960103	.0 960103
A0085	A0085
3/8/96	3/8/96
12:12	13:25
CONC	CONC
1381	1427
(ug/mL)	*(ug/mL)*
0.000	-0.001
0.013	-0.003
-0.007	-0.004
-0.008	-0.003
-0.001	0.001
0.000	0.000
0.018	0.001
0.019	0.012
-0.009	0.022
-0.004	-0.005
-0.001	-0.002
0.001	-0.003
-0.002	0.000
-0.001	0.000
0.000	0.000
0.006	-0.010
-1.071	-0.022
-0.001	0.000
-0.004	0.000
0.014	-0.023
-0.002	0.000
0.001	0.000
0.042	0.015
-0.010	-0.003
0.001	0.030
-0.003	-0.009
-0.009	-0.011
-0.001	0.000
-0.004	-0.003
-0.006	-0.004
-0.001	-0.011
0.011	-0.009
0.028	-0.013
-0.058	-0.037
0.001	0.001
-0.003	-0.018
0.000	-0.005
0.000	0.000
-0.002	-0.001
-0.130	-0.069
-0.001	-0.001
0.002	-0.015
-0.001	0.000
-0.001	-0.001
-0.001	-0.001
########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										MCVA1 @2X			
										A0085			
										3/8/96			
Statistical Summary for 'MCVA1 @2X'										11:10			
(MCVA @2 Post Digestion Spike)										CONC			
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1473			
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)			
Ag	0.250	1	0.239	#DIV/0!	######	-0.011	-4.6			0.239			
Al	5.000	1	4.935	#DIV/0!	######	-0.065	-1.3			4.935			
As	1.250	1	1.292	#DIV/0!	######	0.042	3.4			1.292			
B	1.000	1	1.024	#DIV/0!	######	0.024	2.4			1.024			
Ba	0.250	1	0.249	#DIV/0!	######	-0.001	-0.3			0.249			
Be	0.050	1	0.047	#DIV/0!	######	-0.003	-5.1			0.047			
Bi	12.500	1	12.106	#DIV/0!	######	-0.394	-3.2			12.106			
Ca	12.500	1	12.472	#DIV/0!	######	-0.028	-0.2			12.472			
Cd	0.250	1	0.247	#DIV/0!	######	-0.003	-1.0			0.247			
Ce		1	-0.047	#DIV/0!	######					-0.047			
Co	0.500	1	0.498	#DIV/0!	######	-0.002	-0.4			0.498			
Cr	0.500	1	0.500	#DIV/0!	######	0.000	0.0			0.500			
Cu	0.500	1	0.465	#DIV/0!	######	-0.035	-7.0			0.465			
Dy		1	-0.007	#DIV/0!	######					-0.007			
Eu		1	-0.001	#DIV/0!	######					-0.001			
Fe	10.000	1	10.128	#DIV/0!	######	0.128	1.3			10.128			
K	12.500	1	12.231	#DIV/0!	######	-0.269	-2.2			12.231			
La		1	-0.009	#DIV/0!	######					-0.009			
Li	1.000	1	0.984	#DIV/0!	######	-0.016	-1.6			0.984			
Mg	15.600	1	16.261	#DIV/0!	######	0.661	4.2			16.261			
Mn	0.250	1	0.253	#DIV/0!	######	0.003	1.0			0.253			
Mo	0.500	1	0.500	#DIV/0!	######	0.000	0.0			0.500			
Na	18.350	1	18.491	#DIV/0!	######	0.141	0.8			18.491			
Nd		1	-0.041	#DIV/0!	######					-0.041			
Ni	0.500	1	0.515	#DIV/0!	######	0.015	3.1			0.515			
P	2.500	1	2.413	#DIV/0!	######	-0.087	-3.5			2.413			
Pb	1.250	1	1.204	#DIV/0!	######	-0.046	-3.7			1.204			
Pd		1	-0.122	#DIV/0!	######					-0.122			
Rh		1	-0.056	#DIV/0!	######					-0.056			
Ru		1	-0.013	#DIV/0!	######					-0.013			
Sb	1.250	1	1.266	#DIV/0!	######	0.016	1.3			1.266			
Se	1.250	1	1.264	#DIV/0!	######	0.014	1.1			1.264			
Si	10.000	1	9.315	#DIV/0!	######	-0.685	-6.8			9.315			
Sn		1	-0.058	#DIV/0!	######					-0.058			
Sr	0.250	1	0.254	#DIV/0!	######	0.004	1.6			0.254			
Te		1	-0.006	#DIV/0!	######					-0.006			
Th		1	0.024	#DIV/0!	######					0.024			
Ti	0.500	1	0.493	#DIV/0!	######	-0.007	-1.4			0.493			
Tl	1.250	1	1.217	#DIV/0!	######	-0.033	-2.6			1.217			
U		1	-0.578	#DIV/0!	######					-0.578			
V	0.500	1	0.497	#DIV/0!	######	-0.003	-0.7			0.497			
W		1	0.007	#DIV/0!	######					0.007			
Y		1	-0.002	#DIV/0!	######					-0.002			
Zn	0.500	1	0.499	#DIV/0!	######	-0.001	-0.3			0.499			
Zr	1.000	1	0.985	#DIV/0!	######	-0.015	-1.5			0.985			
TIME		1	#######	#DIV/0!	######					#######			

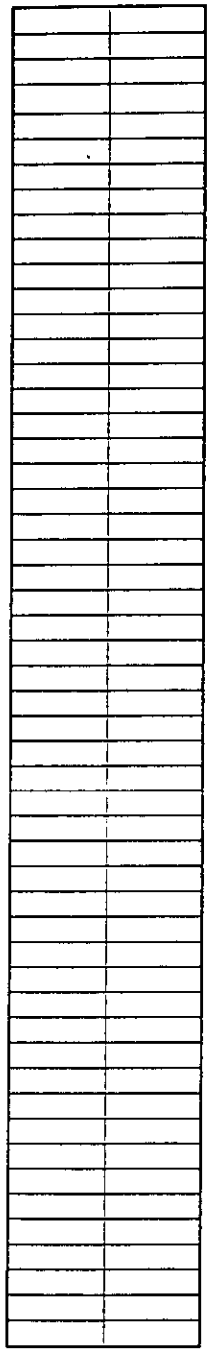
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										MCVB2 @2
										A0085
										3/8/96
			Statistical Summary for 'MCVB2 @2'							11:22
(MCVB @2 Post Digestion Spike)										CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	High	Low	1519
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)
Ag		1	-0.007	#DIV/0!	######					-0.007
Al		1	-0.030	#DIV/0!	######					-0.030
As		1	0.144	#DIV/0!	######					0.144
B		1	0.074	#DIV/0!	######					0.074
Ba		1	0.000	#DIV/0!	######					0.000
Be		1	0.000	#DIV/0!	######					0.000
Bi		1	0.032	#DIV/0!	######					0.032
Ca		1	0.001	#DIV/0!	######					0.001
Cd		1	-0.005	#DIV/0!	######					-0.005
Ce	1.000	1	0.989	#DIV/0!	######	-0.011	-1.1			0.989
Co		1	-0.004	#DIV/0!	######					-0.004
Cr		1	0.001	#DIV/0!	######					0.001
Cu		1	0.006	#DIV/0!	######					0.006
Dy	1.000	1	1.009	#DIV/0!	######	0.009	0.9			1.009
Eu	1.000	1	1.023	#DIV/0!	######	0.023	2.3			1.023
Fe		1	-0.001	#DIV/0!	######					-0.001
K		1	-1.257	#DIV/0!	######					-1.257
La	0.500	1	0.500	#DIV/0!	######	0.000	0.1			0.500
Li		1	-0.007	#DIV/0!	######					-0.007
Mg		1	-0.081	#DIV/0!	######					-0.081
Mn		1	-0.003	#DIV/0!	######					-0.003
Mo		1	0.002	#DIV/0!	######					0.002
Na		1	0.064	#DIV/0!	######					0.064
Nd	1.000	1	0.978	#DIV/0!	######	-0.022	-2.2			0.978
Ni		1	0.019	#DIV/0!	######					0.019
P		1	0.051	#DIV/0!	######					0.051
Pb		1	0.106	#DIV/0!	######					0.106
Pd	1.000	1	0.892	#DIV/0!	######	-0.108	-10.8		-	0.892
Rh	1.000	1	0.984	#DIV/0!	######	-0.016	-1.6			0.984
Ru	1.000	1	1.018	#DIV/0!	######	0.018	1.8			1.018
Sb		1	0.033	#DIV/0!	######					0.033
Se		1	0.040	#DIV/0!	######					0.040
Si		1	2.997	#DIV/0!	######					2.997
Sn	1.000	1	0.964	#DIV/0!	######	-0.036	-3.6			0.964
Sr		1	0.001	#DIV/0!	######					0.001
Te	1.000	1	0.973	#DIV/0!	######	-0.027	-2.7			0.973
Th	5.000	1	5.060	#DIV/0!	######	0.060	1.2			5.060
Ti		1	0.000	#DIV/0!	######					0.000
Tl		1	-0.001	#DIV/0!	######					-0.001
U	12.500	1	11.618	#DIV/0!	######	-0.882	-7.1			11.618
V		1	-0.004	#DIV/0!	######					-0.004
W	1.000	1	0.997	#DIV/0!	######	-0.003	-0.3			0.997
Y	0.500	1	0.496	#DIV/0!	######	-0.004	-0.8			0.496
Zn		1	-0.002	#DIV/0!	######					-0.002
Zr		1	-0.033	#DIV/0!	######					-0.033
TIME		1	########	#DIV/0!	######					########

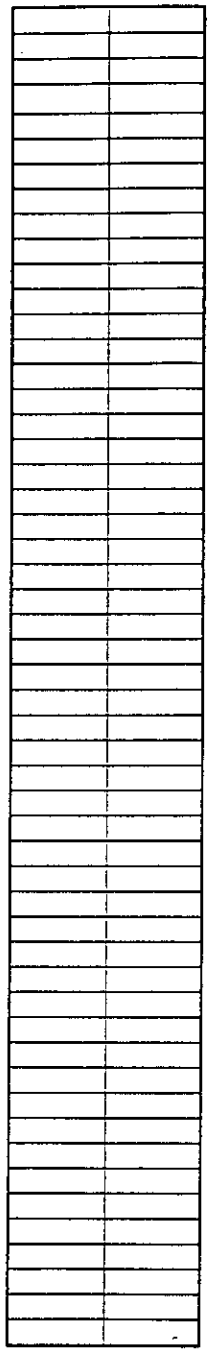
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC SSTMCV 951	MCV 951208I903		
										A0085	A0085		
										3/8/96	3/8/96		
Statistical Summary for 'QC SSTMCV 951208I903'										10:09	13:12		
("QC-SSTMCV" SST Midrange Cal. Check Std.)										CONC	CONC		
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1749	1795		
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)		
Ag	0.500	2	0.508	0.008	2	0.008	1.5			0.513	0.502		
Al	5.000	2	5.211	0.153	3	0.211	4.2			5.319	5.103		
As	2.000	2	2.138	0.053	2	0.138	6.9			2.175	2.101		
B		2	-0.002	0.002	-84					-0.001	-0.003		
Ba	0.100	2	0.102	0.000	0	0.002	2.5			0.103	0.102		
Be	0.100	2	0.099	0.003	3	-0.001	-1.2			0.101	0.097		
Bi	1.500	2	1.742	0.127	7	0.242	16.1	+		1.832	1.652		
Ca	1.000	2	1.236	0.147	12	0.236	23.6	+		1.340	1.132		
Cd	0.200	2	0.226	0.018	8	0.026	13.2	+		0.214	0.239		
Ce		2	0.012	0.009	74					0.019	0.006		
Co		2	-0.002	0.001	-64					-0.001	-0.003		
Cr	0.300	2	0.313	0.006	2	0.013	4.3			0.317	0.308		
Cu		2	-0.002	0.001	-54					-0.001	-0.003		
Dy		2	0.000	0.001	-8721					0.001	-0.001		
Eu		2	0.008	0.001	14					0.008	0.007		
Fe	0.500	2	0.692	0.113	16	0.192	38.4	+		0.772	0.612		
K	50.000	2	49.216	1.585	3	-0.784	-1.6			50.336	48.095		
La		2	0.047	0.024	51					0.064	0.030		
Li		2	-0.001	0.000	-71					0.000	-0.001		
Mg		2	-0.097	0.000	0					-0.097	-0.097		
Mn	0.100	2	0.104	0.000	0	0.004	4.0			0.104	0.104		
Mo		2	0.005	0.003	54					0.007	0.003		
Na	5.000	2	5.182	0.009	0	0.182	3.6			5.189	5.176		
Nd		2	0.000	0.013	51110					0.009	-0.009		
Ni	0.500	2	0.772	0.104	13	0.272	54.4	+		0.846	0.698		
P	4.000	2	4.169	0.185	4	0.169	4.2			4.300	4.038		
Pb	3.000	2	3.052	0.088	3	0.052	1.7			3.114	2.990		
Pd		2	0.016	0.065	405					0.062	-0.030		
Rh		2	0.002	0.017	926					0.014	-0.010		
Ru		2	0.000	0.007	2513					0.005	-0.005		
Sb	2.000	2	2.151	0.042	2	0.151	7.5			2.180	2.121		
Se	2.500	2	2.600	0.056	2	0.100	4.0			2.640	2.561		
Si	3.000	2	2.907	0.081	3	-0.093	-3.1			2.964	2.850		
Sn		2	0.061	0.052	86					0.098	0.024		
Sr		2	0.002	0.000	22					0.002	0.001		
Te		2	0.009	0.019	205					0.023	-0.004		
Th		2	0.038	0.011	30					0.030	0.046		
Ti		2	0.000	0.001	-145					0.000	-0.001		
Tl		2	0.007	0.005	67					0.011	0.004		
U	20.000	2	20.041	0.412	2	0.041	0.2			20.333	19.750		
V	0.500	2	0.516	0.011	2	0.016	3.2			0.524	0.508		
W		2	0.021	0.012	58					0.030	0.013		
Y		2	0.000	0.001	9192					0.001	-0.001		
Zn		2	-0.002	0.000	-24					-0.002	-0.002		
Zr	0.500	2	0.508	-0.004	1	0.008	1.6			0.511	0.505		
TIME	10000	2	########	0.000	0	0.000	0.0			########	########		

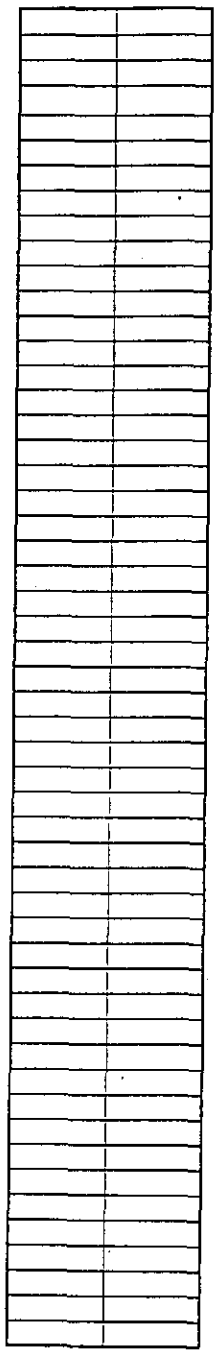
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC SSTA 9512	STA 9512081902
										A0085	A0085
										3/8/96	3/8/96
Statistical Summary for 'QC SSTA 9512081902'										10:05	13:08
("QC-SSTA" Interference Check Std.)										CONC	CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	High	Low	1657	1703
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)
Ag		2	-0.015	0.006	-37					-0.011	-0.019
Al	250.0	2	253.411	2.136	1	3.411	1.4			251.901	254.922
As		2	0.404	0.000	0					0.404	0.404
B		2	0.051	0.007	14					0.056	0.046
Ba		2	0.010	0.001	6					0.010	0.011
Be		2	-0.001	0.000	-17					-0.001	-0.001
Bi	200.0	2	198.341	0.064	0	-1.659	-0.8			198.296	198.386
Ca	250.0	2	250.747	1.016	0	0.747	0.3			251.465	250.028
Cd		2	0.080	0.021	26					0.066	0.095
Ce		2	0.189	0.030	16					0.210	0.168
Co		2	0.010	0.002	22					0.011	0.008
Cr		2	0.237	0.003	1					0.235	0.239
Cu		2	-0.108	0.005	-5					-0.104	-0.112
Dy		2	0.033	0.002	5					0.035	0.032
Eu		2	0.092	0.001	1					0.093	0.091
Fe	200.0	2	198.010	0.522	0	-1.990	-1.0			198.379	197.641
K	100.0	2	100.761	1.473	1	0.761	0.8			101.802	99.720
La	50.0	2	51.678	1.120	2	1.678	3.4			50.886	52.469
Li		2	0.032	0.001	2					0.033	0.032
Mg		2	-0.843	0.071	-8					-0.894	-0.793
Mn		2	0.018	0.001	5					0.018	0.019
Mo		2	0.103	0.005	5					0.107	0.100
Na		2	0.918	0.011	1					0.925	0.910
Nd		2	0.215	0.013	6					0.224	0.205
Ni	200.0	2	193.636	1.089	1	-6.364	-3.2			192.866	194.406
P	200.0	2	201.746	0.044	0	1.746	0.9			201.714	201.777
Pb		2	0.974	0.037	4					1.000	0.948
Pd		2	1.029	0.289	28					1.233	0.825
Rh		2	0.255	0.016	6					0.267	0.244
Ru		2	0.216	0.058	27					0.175	0.257
Sb		2	0.458	0.001	0					0.459	0.458
Se		2	1.550	0.026	2					1.569	1.532
Si		2	-0.231	0.118	-51					-0.148	-0.315
Sn		2	3.747	0.168	4					3.865	3.628
Sr		2	0.020	0.000	1					0.020	0.020
Te		2	0.660	0.052	8					0.697	0.623
Th		2	0.337	0.218	65					0.183	0.491
Ti		2	0.004	0.002	60					0.005	0.002
Tl		2	0.342	0.027	8					0.362	0.323
U	200.0	2	201.496	1.344	1	1.496	0.7			200.546	202.447
V		2	0.046	0.003	7					0.049	0.044
W		2	0.573	0.029	5					0.593	0.552
Y		2	0.023	0.001	6					0.024	0.022
Zn		2	0.094	0.003	3					0.092	0.096
Zr		2	0.022	0.019	84					0.036	0.009
TIME		2	########	0.000	0					########	########

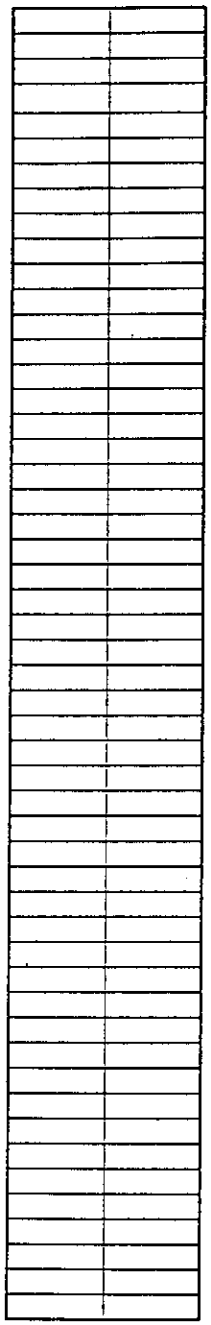
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										2126.8			
Statistical Summary for 'SRM-2709'										SRM-2709			
(LCS-1 @5 [SRM-2709] ~.2351g/100ml)													
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	High	Low	3/8/96			
	(ug/g)		(ug/g)	(ug/g)	(%)	(ug/g)	(%)	(>125%)	(<75%)	ug/g			
Ag	0.410	0								--			
Al	75000	1	69829.0	#DIV/0!	######	-5171.0	-6.9			69828.99			
As	17.700	0								--			
B		0								--			
Ba	968.0	1	855.1	#DIV/0!	######	-112.9	-11.7			855.10			
Be		0								--			
Bi		0								--			
Ca	18900	1	19209.8	#DIV/0!	######	309.8	1.6			19209.85			
Cd	0.380	0								--			
Ce		0								--			
Co	13.400	0								--			
Cr	130.0	1	167.9	#DIV/0!	######	37.9	29.2		-	[167.93]			
Cu	34.600	0								--			
Dy		0								--			
Eu		0								--			
Fe	35000	1	32915.0	#DIV/0!	######	-2085.0	-6.0			32915.04			
K		1	5025916	#DIV/0!	######					5025915.65			
La		0								--			
Li		0								--			
Mg	15100	1	14942.5	#DIV/0!	######	-157.5	-1.0			14942.45			
Mn	538.0	1	682.2	#DIV/0!	######	144.2	26.8		-	[682.24]			
Mo		0								--			
Na	11600	1	13665.0	#DIV/0!	######	2065.0	17.8			13665.04			
Nd		0								--			
Ni	88.000	1	5299.0	#DIV/0!	######	5211.0	5921.6	+		5299.02			
P	620.0	1	889.3	#DIV/0!	######	269.3	43.4		-	[889.32]			
Pb	18.900	1	300.4	#DIV/0!	######	281.5	1489.2		-	[300.36]			
Pd		0								--			
Rh		0								--			
Ru		0								--			
Sb	7.900	0								--			
Se	1.570	1	391.4	#DIV/0!	######	389.8	#####		-	[391.37]			
Si	296600	1	264516.4	#DIV/0!	######	######	-10.8			264516.40			
Sn		0								--			
Sr	231.0	1	221.5	#DIV/0!	######	-9.5	-4.1		-	[221.48]			
Te		0								--			
Th		0								--			
Ti	3420.0	1	2930.1	#DIV/0!	######	-489.9	-14.3			2930.07			
Tl	0.740	0								--			
U		0								--			
V	112.0	1	116.0	#DIV/0!	######	4.0	3.6		-	[115.99]			
W		0								--			
Y		0								--			
Zn	106.0	1	121.7	#DIV/0!	######	15.7	14.8		-	[121.67]			
Zr		0								--			

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



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A0085
ICP-325-4/25-1
3/8/96 DRS

	#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
	1	SPC-BLK 108448	A0085	ICP1A	03/08/96	09:02	DRS	S	INT
	2	SPC-BLK 108448	A0085	ICP1A	03/08/96	09:02	DRS	S	CONC
	3	SPC-STD 9601031100	A0085	ICP1A	03/08/96	09:07	DRS	S	INT
	4	SPC-STD 9601031100	A0085	ICP1A	03/08/96	09:07	DRS	S	CONC
	5	ICP1.0	A0085	ICP1A	03/08/96	09:14		X	IR
	6	ICP1.1B	A0085	ICP1A	03/08/96	09:16		X	IR
	7	ICP1.1A	A0085	ICP1A	03/08/96	09:20		X	IR
	8	ICP1.2	A0085	ICP1A	03/08/96	09:24		X	IR
	9	ICP1.3	A0085	ICP1A	03/08/96	09:28		X	IR
	10	ICP1.4	A0085	ICP1A	03/08/96	09:31		X	IR
	11	ICP1.5	A0085	ICP1A	03/08/96	09:35		X	IR
	12	ICP1.6	A0085	ICP1A	03/08/96	09:39		X	IR
	13	ICP1.7	A0085	ICP1A	03/08/96	09:44		X	IR
	14	ICP1.8	A0085	ICP1A	03/08/96	09:47		X	IR
	15	ICP1.0 960103F100	A0085	ICP1A	03/08/96	09:55	DRS	S	CONC
PASS	16	QC_MCVA1 9602261901	A0085	ICP1A	03/08/96	09:57	DRS	Q	CONC
PASS	17	QC_MCVB2 9602211901	A0085	ICP1A	03/08/96	10:01	DRS	Q	CONC
	18	QC SSTA 9512081902	A0085	ICP1A	03/08/96	10:05	DRS	S	CONC
	19	QC SSTMCV 9512081903	A0085	ICP1A	03/08/96	10:09	DRS	S	CONC
	20	QC_SRM-1643d 108518	A0085	ICP1A	03/08/96	10:12	DRS	Q	CONC
	21	QC CCV1 960126H901	A0085	ICP1A	03/08/96	10:16	DRS	S	CONC
	22	ICP1.0 960103F100	A0085	ICP1A	03/08/96	10:20	DRS	S	CONC
	23	96-2987	A0085	ICP1A	03/08/96	10:23	DRS	S	CONC
	24	96-2988 @5	A0085	ICP1A	03/08/96	10:28	DRS	S	CONC
	25	96-2988 @25	A0085	ICP1A	03/08/96	10:32	DRS	S	CONC
	26	96-2988	A0085	ICP1A	03/08/96	10:36	DRS	S	CONC
PASS	27	QC_MCVA1 9602261901	A0085	ICP1A	03/08/96	10:47	DRS	Q	CONC
	28	ICP1.0 960103F100	A0085	ICP1A	03/08/96	10:50	DRS	S	CONC
	29	96-2617-BLK	A0085	ICP1A	03/08/96	10:54	DRS	S	CONC
	30	96-2617 @5 (F)	A0085	ICP1A	03/08/96	10:59	DRS	S	CONC
	31	96-2617 @1 (F)	A0085	ICP1A	03/08/96	11:02	DRS	S	CONC
	32	96-2617 PSA (F)	A0085	ICP1A	03/08/96	11:06	DRS	S	CONC
	33	MCVA1 @2X	A0085	ICP1A	03/08/96	11:10	DRS	S	CONC
	34	96-2617-DUP (F)	A0085	ICP1A	03/08/96	11:14	DRS	S	CONC
	35	96-2617-DUP PSB (F)	A0085	ICP1A	03/08/96	11:18	DRS	S	CONC
	36	MCVB2 @2	A0085	ICP1A	03/08/96	11:22	DRS	S	CONC
PASS	37	QC_MCVA1 9602261901	A0085	ICP1A	03/08/96	11:29	DRS	Q	CONC
	38	ICP1.0 960103F100	A0085	ICP1A	03/08/96	11:33	DRS	S	CONC
	39	96-2618 (F)	A0085	ICP1A	03/08/96	11:36	DRS	S	CONC
	40	96-2618-DUP (F)	A0085	ICP1A	03/08/96	11:40	DRS	S	CONC
	41	SRM-2709	A0085	ICP1A	03/08/96	11:44	DRS	S	CONC
	42	96-3365 (F)	A0085	ICP1A	03/08/96	11:47	DRS	S	CONC
	43	96-3365-DUP (F)	A0085	ICP1A	03/08/96	11:51	DRS	S	CONC
	44	96-3366 (F)	A0085	ICP1A	03/08/96	11:55	0	S	CONC
	45	96-3366-DUP (F)	A0085	ICP1A	03/08/96	11:59	DRS	S	CONC
PASS	46	QC_MCVA1 9602261901	A0085	ICP1A	03/08/96	12:08	DRS	Q	CONC
	47	ICP1.0 960103F100	A0085	ICP1A	03/08/96	12:12	DRS	S	CONC
	48	96-3520 @5	A0085	ICP1A	03/08/96	12:21	DRS	S	CONC
	49	96-3520	A0085	ICP1A	03/08/96	12:24	DRS	S	CONC
	50	96-3521	A0085	ICP1A	03/08/96	12:27	DRS	S	CONC
	51	BLANK FOR 3522	A0085	ICP1A	03/08/96	12:31	DRS	S	CONC
	52	BLANK SPIKE	A0085	ICP1A	03/08/96	12:34	DRS	S	CONC
	53	BLANK SPIKE @10	A0085	ICP1A	03/08/96	12:39	DRS	S	CONC

* - K - N/A for KOH/Ni fusions

PSA - Post spike A (MCVA : Sample) @ 1:1

PSB - Post spike B (MCVB : Sample) @ 1:1

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	96-3522 @5	A0085	ICP1A	03/08/96	12:43	DRS	S	CONC
55	96-3522	A0085	ICP1A	03/08/96	12:46	DRS	S	CONC
56	96-3522-DUP	A0085	ICP1A	03/08/96	12:50	DRS	S	CONC
PASS 57	QC_MCVA1 960226I901	A0085	ICP1A	03/08/96	13:01	DRS	Q	CONC
PASS 58	QC_MCVB2 960221I901	A0085	ICP1A	03/08/96	13:04	DRS	Q	CONC
59	QC SSTA 951208I902	A0085	ICP1A	03/08/96	13:08	DRS	S	CONC
60	QC SSTMCV 951208I903	A0085	ICP1A	03/08/96	13:12	DRS	S	CONC
61	QC_ SRM-1643d 108518	A0085	ICP1A	03/08/96	13:16	DRS	Q	CONC
62	QC CCV1 960126H901	A0085	ICP1A	03/08/96	13:20	DRS	S	CONC
63	ICP1.0 960103F100	A0085	ICP1A	03/08/96	13:25	DRS	S	CONC

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#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108448	7413.67	2310.67	1739.33	1354.33	349.667	197.333
2	SPC-BLK 108448	.0025	.0067	-.0112	.0100	-.0007	.0001
3	SPC-STD 960103I100	7464	2345	1815	1374	351.333	198.333
4	SPC-STD 960103I100	.0044	.0125	.0244	.0124	-.0004	.0001
5	ICP1.0	.74213	.23149	.1773	.13159	.0355	.01976
6	ICP1.1B					.78023	
7	ICP1.1A					7.38966	
8	ICP1.2		62.5618		41.0399		
9	ICP1.3						
10	ICP1.4			21.2352			
11	ICP1.5						
12	ICP1.6						1.72893
13	ICP1.7	28.2438					
14	ICP1.8						
15	ICP1.0 960103F100	.0015	.0079	.0084	.0018	-.0003	.0001
16	QC_MCVA1 960226I901	.4780	9.725	2.501	2.042	.4909	.0945
17	QC_MCVB2 960221I901	-.0068	-.0960	.2983	.1678	.0002	.0008
18	QC SSTA 951208I902	-.0110	251.9	.4039	.0557	.0098	-.0012
19	QC SSTMCV 951208I903	.5129	5.319	2.175	-.0008	.1026	.1006
20	QC_SRM-1643d 108518	0.0034	0.1929	0.0601	.1464	.5136	0.0124
21	QC CCV1 960126H901	.0040	1.966	2.085	2.041	.9813	.9932
22	ICP1.0 960103F100	.0054	.0196	.0042	.0001	.0020	.0011
23	96-2987	.0015	.1216	.0106	1.887	.0022	.0004
24	96-2988 @5	-.0029	-.0049	-.0120	.3165	.0072	-.0001
25	96-2988 @25	-.0035	.0007	-.0102	.0568	.0012	-.0001
26	96-2988	.0007	.0625	.0170	1.559	.0371	.0000
27	QC_MCVA1 960226I901	.4933	10.25	2.649	2.132	.5215	.0987
28	ICP1.0 960103F100	-.0027	.0130	.0117	.0022	-.0001	.0002
29	96-2617-BLK	.0041	.1587	.0250	.0013	.0025	.0001
30	96-2617 @5 (F)	-.0041	1.160	-.0077	-.0076	.0020	-.0001
31	96-2617 (F)	.0044	5.688	.0245	.0065	.0078	.0001
32	96-2614 PSA (F)	.2182	7.699	1.311	1.014	.2441	.0472
33	MCVA1 @2X	.2385	4.935	1.292	1.024	.2493	.0475
34	96-2617-DUP (F)	.0055	6.679	.0412	.0142	.0095	.0002
35	96-2617-DUP PSB (F)	-.0021	3.290	.1775	.0816	.0032	.0003
36	MCVB2 @2	-.0071	-.0295	.1436	.0744	-.0002	.0003
37	QC_MCVA1 960226I901	.4806	9.898	2.555	2.059	.5001	.0947
38	ICP1.0 960103F100	-.0025	.0051	-.0039	-.0034	-.0005	.0001
39	96-2618 (F)	.0052	7.162	.0329	.0135	.0094	.0002
40	96-2618-DUP (F)	.0055	8.186	.0400	.0138	.0102	.0002
41	SRM-2709	.0033	32.83	.0799	.0419	.4021	.0027
42	96-3365 (F)	.0043	6.502	.0369	.0088	.0076	.0001
43	96-3365-DUP (F)	.0068	6.734	.0382	.0115	.0083	.0002
44	96-3366 (F)	.0056	7.341	.0458	.0113	.0089	.0002
45	96-3366-DUP (F)	.0073	8.001	.0382	.0057	.0130	.0002
46	QC_MCVA1 960226I901	.4771	9.832	2.534	2.045	.4954	.0942
47	ICP1.0 960103F100	-.0003	.0128	-.0070	-.0076	-.0010	.0000
48	96-3520 @5	-.0003	.0076	.0042	-.0014	-.0001	-.0000
49	96-3520	.0030	.0272	.0016	-.0058	.0010	.0001
50	96-3521	.0001	.1229	-.0050	.0147	.0001	-.0000
51	BLANK FOR 3522	-.0022	.1672	-.0089	2.459	.0016	-.0001
52	BLANK SPIKE	-.0014	.1238	4.803	1.973	106.8	.0001
53	BLANK SPIKE @10	.0001	.0194	.4919	.1999	9.573	.0000

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#	Sample Name	Ag	Al	As	B	Ba	Be
54	96-3522 @5	-.0023	.0413	-.0029	.4063	.0183	-.0000
55	96-3522	-.0055	.1932	-.0059	1.961	.0060	-.0001
56	96-3522-DUP	-.0063	.2344	-.0064	2.514	.0043	-.0001
57	QC_MCVA1 960226I901	.4787	9.808	2.548	2.045	.5003	.0936
58	QC_MCVB2 960221I901	-.0114	-.0468	.3136	.1582	.0012	.0006
59	QC SSTA 951208I902	-.0189	254.9	.4037	.0459	.0106	-.0015
60	QC SSTMCV 951208I903	.5021	5.103	2.101	-.0032	.1024	.0969
61	QC_ SRM-1643d 108518	Q-.0022	Q.1144	Q.0462	.1433	.5168	Q.0118
62	QC CCV1 960126H901	-.0035	1.954	2.085	2.058	1.004	.9810
63	ICP1.0 960103F100	-.0013	-.0026	-.0037	-.0034	.0013	.0003

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SPC-BLK 108448	1585.67	1383	612	7082.33	1624.33	506.667
2	SPC-BLK 108448	-.0021	.0071	-.0031	.0189	.0067	.0003
3	SPC-STD 960103I100	1844.33	1764	642.667	7042.67	1591	524.333
4	SPC-STD 960103I100	.0140	.1246	-.0001	.0097	.0028	.0032
5	ICP1.0	.15996	.13823	.06506	.70666	.15836	.05063
6	ICP1.1B					1.94183	1.26723
7	ICP1.1A					17.006	11.6367
8	ICP1.2		81.9149	9.19979			
9	ICP1.3						
10	ICP1.4				21.2962		
11	ICP1.5						
12	ICP1.6						
13	ICP1.7	23.1508					
14	ICP1.8						
15	ICP1.0 960103F100	.0162	.0098	.0171	.0057	-.0004	.0002
16	QC_MCVA1 960226I901	23.85	24.63	.4991	-.0168	.9822	.9829
17	QC_MCVB2 960221I901	.0982	.0380	.0351	1.997	-.0006	.0084
18	QC SSTA 951208I902	198.3	251.5	.0656	.2096	.0115	.2353
19	QC SSTMCV 951208I903	1.832	1.340	.2136	.0189	-.0010	.3172
20	QC_SRM-1643d 108518	.0857	Q31.65	Q.0141	.0085	Q.0272	Q.0212
21	QC CCV1 960126H901	1.981	2.099	1.014	.0022	1.020	.5054
22	ICP1.0 960103F100	.0227	.0169	.0204	.0123	.0022	.0018
23	96-2987	.0221	.6825	-.0056	.0091	.0040	.0097
24	96-2988 @5	.0015	.2928	.0008	-.0399	-.0029	-.0004
25	96-2988 @25	-.0059	.0901	.0031	-.0314	-.0033	-.0015
26	96-2988	.0424	1.449	-.0007	-.0414	.0038	.0015
27	QC_MCVA1 960226I901	25.07	25.61	.5005	-.0765	1.023	1.032
28	ICP1.0 960103F100	.0424	.0497	-.0020	-.0229	-.0005	.0029
29	96-2617-BLK	.0364	.3916	-.0028	.0254	.0071	.0028
30	96-2617 @5 (F)	1.512	.1037	-.0101	-.0222	-.0029	.1104
31	96-2617 (F)	7.532	.4608	-.0021	.0552	.0081	.5585
32	96-2614 PSA (F)	15.67	12.55	.2383	.0008	.4928	.7644
33	MCVA1 @2X	12.11	12.47	.2474	-.0465	.4982	.5000
34	96-2617-DUP (F)	8.573	.5261	-.0016	.0579	.0126	.6377
35	96-2617-DUP PSB (F)	4.292	.2696	-.0071	1.009	.0043	.3241
36	MCVB2 @2	.0319	.0007	-.0049	.9888	-.0039	.0012
37	QC_MCVA1 960226I901	24.17	24.80	.4810	-.0523	.9932	.9945
38	ICP1.0 960103F100	.0121	.0208	-.0119	-.0252	-.0016	.0026
39	96-2618 (F)	8.441	.5436	-.0069	.0644	.0129	.5452
40	96-2618-DUP (F)	9.746	.5676	-.0085	.0602	.0120	.6820

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#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
41	SRM-2709	.0777	9.032	-.0068	.0371	.0195	.0790
42	96-3365 (F)	7.408	.5235	-.0095	.0536	.0106	.5829
43	96-3365-DUP (F)	7.760	.4738	-.0081	.0753	.0127	.6093
44	96-3366 (F)	8.847	.5039	-.0001	.0681	.0140	.4647
45	96-3366-DUP (F)	9.557	.5386	-.0008	.0724	.0115	.4538
46	QC_MCVA1 960226I901	24.00	24.68	.4933	-.0514	.9867	.9808
47	ICP1.0 960103F100	.0184	.0186	-.0089	-.0043	-.0009	.0005
48	96-3520 @5	.0096	.0266	.0156	-.0089	-.0005	.0126
49	96-3520	-.0037	.1977	.0225	.0223	.0061	.0661
50	96-3521	-.0068	.0912	.0329	.0038	-.0017	.0656
51	BLANK FOR 3522	-.0003	.0057	.0415	-.0509	-.0044	-.0014
52	BLANK SPIKE	.0076	.0042	.9374	-.0489	-.0123	4.618
53	BLANK SPIKE @10	.0075	-.0174	.1407	.0056	.0008	.4693
54	96-3522 @5	-.0038	.0389	.0319	-.0086	-.0013	.0266
55	96-3522	-.0041	.2441	.0551	-.0546	-.0034	.1145
56	96-3522-DUP	-.0049	.2552	.0298	-.0519	-.0030	.1247
57	QC_MCVA1 960226I901	23.89	24.59	.5082	-.0352	.9890	.9786
58	QC_MCVB2 960221I901	.0721	.0170	.0599	1.987	-.0044	.0028
59	QC SSTA 951208I902	198.4	250.0	.0952	.1677	.0084	.2390
60	QC SSTMCV 951208I903	1.652	1.132	.2390	.0059	-.0027	.3084
61	QC_ SRM-1643d 108518	.0182	30.94	Q.0758	-.0132	Q.0228	Q.0181
62	QC CCV1 960126H901	1.937	2.028	1.059	-.0227	1.021	.5048
63	ICP1.0 960103F100	.0008	.0119	.0225	-.0048	-.0017	-.0027

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108448	556	2143.33	381.333	641.333	2254.33	1112.33
2	SPC-BLK 108448	.0027	.0016	.0006	-.0042	.6785	.0043
3	SPC-STD 960103I100	20988	2353	382.333	695	2247.67	1110.67
4	SPC-STD 960103I100	10.24	.0056	.0008	-.0049	.5277	.0035
5	ICP1.0	.05649	.2148	.03813	.06433	.22533	.11129
6	ICP1.1B	.46283			7.36603		
7	ICP1.1A	4.0152			68.3544		
8	ICP1.2					2.46693	
9	ICP1.3		40.7334	9.92443			5.24683
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						
15	ICP1.0 960103F100	-.0009	.0001	.0005	-.0067	-.0372	.0012
16	QC_MCVA1 960226I901	.9413	-.0062	.0004	19.96	23.80	-.0052
17	QC_MCVB2 960221I901	.0394	1.994	2.010	.0276	-1.703	.9915
18	QC SSTA 951208I902	-.1045	.0347	.0928	198.4	101.8	50.89
19	QC SSTMCV 951208I903	-.0012	.0009	.0084	.7716	50.34	.0643
20	QC_SRM-1643d 108518	Q.0164	.0005	.0018	Q.1373	Q2.238	.0192
21	QC CCV1 960126H901	1.984	.0009	.0008	2.039	4.677	.0040
22	ICP1.0 960103F100	.0022	.0017	.0010	-.0015	.0818	.0033
23	96-2987	.0093	.0003	.0006	.0282	.0818	.0006
24	96-2988 @5	-.0017	-.0047	-.0014	-.0092	-1.190	-.0084
25	96-2988 @25	-.0050	-.0041	-.0009	-.0080	-1.123	-.0059
26	96-2988	.0134	-.0006	-.0014	-.0051	-.9889	-.0072
27	QC_MCVA1 960226I901	.9908	-.0132	-.0020	20.91	23.57	-.0163

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#	Sample Name	Cu	Dy	Eu	Fe	K	La
28	ICP1.0 960103F100	-.0026	-.0038	-.0007	.0310	-.9963	-.0049
29	96-2617-BLK	.0072	.0036	.0014	.0266	2431.	.0062
30	96-2617 @5 (F)	-.0053	-.0046	-.0010	.7720	494.8	-.0062
31	96-2617 (F)	.0072	.0044	.0022	3.793	2369.	.0084
32	96-2614 PSA (F)	.4731	-.0028	.0007	11.81	1209.	-.0025
33	MCVA1 @2X	.4651	-.0072	-.0010	10.13	12.23	-.0094
34	96-2617-DUP (F)	.0130	.0049	.0025	4.283	2367.	.0092
35	96-2617-DUP PSB (F)	.0142	.9870	.9935	2.139	1190.	.4977
36	MCVB2 @2	.0064	1.009	1.022	-.0014	-1.257	.5004
37	QC_MCVA1 9602261901	.9480	-.0094	-.0008	20.15	22.86	-.0098
38	ICP1.0 960103F100	-.0043	-.0034	-.0007	.0068	-1.294	-.0048
39	96-2618 (F)	.0123	.0046	.0024	4.915	2342.	.0086
40	96-2618-DUP (F)	.0102	.0055	.0027	6.051	2335.	.0090
41	SRM-2709	.0142	.0052	.0028	15.48	2363.	.0179
42	96-3365 (F)	.0089	.0043	.0022	3.663	2327.	.0084
43	96-3365-DUP (F)	.0115	.0074	.0033	3.865	2264.	.0126
44	96-3366 (F)	.0120	.0065	.0028	5.811	2256.	.0129
45	96-3366-DUP (F)	.0067	.0081	.0036	6.000	2196.	.0145
46	QC_MCVA1 9602261901	.9357	-.0093	-.0008	20.02	Q22.28	-.0105
47	ICP1.0 960103F100	-.0022	-.0010	-.0000	.0056	-1.071	-.0006
48	96-3520 @5	.0032	-.0011	-.0005	.0791	-.2150	-.0019
49	96-3520	.0204	.0033	.0010	.4209	.8453	.0064
50	96-3521	.0441	-.0006	.0001	.2740	.1483	.0011
51	BLANK FOR 3522	.0093	-.0073	-.0024	.0063	-1.594	-.0127
52	BLANK SPIKE	4.740	-.0059	-.0017	.0086	-1.594	-.0109
53	BLANK SPIKE @10	.4762	.0002	.0001	-.0081	-.1335	.0005
54	96-3522 @5	.0140	-.0022	-.0006	.5376	-.5858	-.0027
55	96-3522	.0648	-.0073	-.0025	2.638	-1.631	-.0124
56	96-3522-DUP	.0632	-.0070	-.0022	2.994	-1.528	-.0124
57	QC_MCVA1 9602261901	.9478	-.0068	-.0003	19.94	23.04	-.0066
58	QC_MCVB2 9602211901	.0255	2.007	2.027	.0264	-2.069	1.009
59	QC SSTA 9512081902	-.1117	.0322	.0912	197.6	99.72	52.47
60	QC SSTMCV 9512081903	-.0026	-.0009	.0069	.6123	48.10	.0300
61	QC_ SRM-1643d 108518	Q.0137	-.0027	.0001	Q.0872	Q1.609	.0038
62	QC CCV1 960126H901	2.017	-.0030	-.0009	2.016	4.004	-.0053
63	ICP1.0 960103F100	.0003	.0001	-.0001	-.0102	-.0222	-.0004

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
1	SPC-BLK 108448	437	2678	217.667	895	457	4122.33
2	SPC-BLK 108448	.0014	-.0013	-.0002	.0008	.0455	.0166
3	SPC-STD 960103I100	21639	2765.67	66187.3	930.667	460.333	4129.67
4	SPC-STD 960103I100	10.13	-.0064	10.49	.0030	.0638	.0195
5	ICP1.0	.04466	.26766	.02356	.0891	.04509	.41306
6	ICP1.1B		4.66613		1.27123	.49343	
7	ICP1.1A		40.0173		11.3819	4.46613	
8	ICP1.2	10.597		6.3866			
9	ICP1.3						13.7883
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						

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#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
15	ICP1.0 960103F100	-.0021	-.0035	-.0023	.0015	.0059	.0020
16	QC_MCVA1 960226I901	1.959	31.88	.5009	.9894	36.07	-.0295
17	QC_MCVB2 960221I901	-.0035	-.1319	-.0015	.0100	.2082	1.965
18	QC SSTA 951208I902	.0327	-.8936	.0178	.1068	.9254	.2241
19	QC SSTMCV 951208I903	-.0003	-.0973	.1042	.0067	5.189	.0091
20	QC_SRM-1643d 108518	Q.0163	Q8.581	Q.0381	.1139	21.93	.0173
21	QC CCV1 960126H901	1.944	2.103	1.032	1.972	8.349	.0085
22	ICP1.0 960103F100	.0000	.0033	-.0012	.0061	.0582	.0118
23	96-2987	.1532	.2219	.0226	.0116	9.778	.0078
24	96-2988 @5	134.9	.0110	-.0025	.0012	.9009	-.0338
25	96-2988 @25	27.53	.0038	-.0025	.0007	.2195	-.0211
26	96-2988	600.0	.1339	-.0016	.0178	4.483	-.0337
27	QC_MCVA1 960226I901	2.053	33.30	.5241	1.038	38.16	-.0782
28	ICP1.0 960103F100	.0049	.0483	-.0017	.0023	.0248	-.0207
29	96-2617-BLK	.0038	.0948	.0517	.0083	1.076	.0216
30	96-2617 @5 (F)	.0047	.0139	.0141	.0012	7.312	-.0247
31	96-2617 (F)	.0504	.1226	.0807	.0202	35.28	.0271
32	96-2614 PSA (F)	.9690	15.96	.2897	.5040	35.91	-.0146
33	MCVA1 @2X	.9840	16.26	.2525	.5000	18.49	-.0415
34	96-2617-DUP (F)	.0570	.1648	.0893	.0220	40.27	.0342
35	96-2617-DUP PSB (F)	.0246	.0028	.0432	.0127	20.28	.9781
36	MCVB2 @2	-.0073	-.0610	-.0027	.0023	.0640	.9778
37	QC_MCVA1 960226I901	1.967	32.17	.5054	1.001	37.12	-.0577
38	ICP1.0 960103F100	-.0046	.0047	-.0023	.0007	.0080	-.0249
39	96-2618 (F)	.0153	.1434	.0991	.0195	35.05	.0305
40	96-2618-DUP (F)	.0182	.1422	.0977	.0230	43.06	.0335
41	SRM-2709	.0212	7.026	.3208	.0132	6.425	.0331
42	96-3365 (F)	.0011	.1351	.0874	.0192	35.55	.0257
43	96-3365-DUP (F)	.0052	.1370	.0858	.0223	37.32	.0466
44	96-3366 (F)	.0024	.1438	.0934	.0200	39.09	.0415
45	96-3366-DUP (F)	.0039	.1281	.1050	.0199	39.48	.0492
46	QC_MCVA1 960226I901	1.944	31.94	.5037	.9969	36.90	-.0585
47	ICP1.0 960103F100	-.0038	.0139	-.0020	.0011	.0416	-.0105
48	96-3520 @5	-.0009	.0391	.0895	.0026	.0732	-.0074
49	96-3520	.0032	.2559	.4086	.0186	.2695	.0203
50	96-3521	.0256	.1348	.0930	.0186	101.9	.0024
51	BLANK FOR 3522	-.0060	-.0194	.0006	-.0017	2.828	-.0452
52	BLANK SPIKE	-.0024	-.0233	.0003	-.0084	2.311	-.0433
53	BLANK SPIKE @10	-.0006	-.0107	.0001	-.0009	.2397	-.0007
54	96-3522 @5	-.0019	.0325	.0993	.0003	1.095	-.0151
55	96-3522	-.0047	.2361	.4824	.0023	5.438	-.0496
56	96-3522-DUP	-.0033	.2382	.4862	.0033	5.954	-.0474
57	QC_MCVA1 960226I901	1.946	31.86	.5037	.9953	37.02	-.0429
58	QC_MCVB2 960221I901	-.0049	-.1335	.0003	.0066	.1903	1.963
59	QC SSTA 951208I902	.0316	-.7931	.0190	.1000	.9105	.2054
60	QC SSTMCV 951208I903	-.0009	-.0974	.1039	.0030	5.176	-.0090
61	QC_ SRM-1643d 108518	Q.0160	Q8.409	Q.0391	Q.1099	Q22.44	-.0063
62	QC CCV1 960126H901	1.985	2.078	1.030	1.983	8.640	-.0223
63	ICP1.0 960103F100	-.0005	-.0229	.0003	.0000	.0153	-.0029

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#	Sample Name	Ni	P	Pb	Pd	Rh	Ru
1	SPC-BLK 108448	546	1398.67	15189.7	16636.3	16787	4739.33
2	SPC-BLK 108448	.0062	.0059	.0068	.0542	.0239	.0042
3	SPC-STD 960103I100	549	1553	136200	16605.7	16782.3	4767.67
4	SPC-STD 960103I100	.0072	-.0177	10.27	.0398	.0233	.0085
5	ICP1.0	.05409	.14096	1.52433	1.66333	1.67816	.47789
6	ICP1.1B	.65139		7.66073			
7	ICP1.1A	5.65493		59.2452			
8	ICP1.2		12.482				
9	ICP1.3						34.3328
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8				18.2707	42.3892	
15	ICP1.0 960103F100	.0005	-.0054	.0042	.0394	.0222	.0005
16	QC_MCVA1 960226I901	.9782	4.768	2.411	-.1172	-.0441	-.0083
17	QC_MCVB2 960221I901	.0271	.1046	.2385	1.814	1.982	2.031
18	QC SSTA 951208I902	192.9	201.7	1.000	1.233	.2666	.1752
19	QC SSTMCV 951208I903	.8456	4.300	3.114	.0623	.0136	.0054
20	QC_SRM-1643d 108518	0.1660	.0658	0.0349	.0321	.0136	.0007
21	QC CCV1 960126H901	2.088	4.861	2.038	.0347	.0107	.0070
22	ICP1.0 960103F100	.0440	.0203	.0171	.0572	.0212	.0056
23	96-2987	.0501	.5909	.0189	.0223	.0120	.0042
24	96-2988 @5	.0221	-.0084	-.0166	-.0483	-.0266	-.0127
25	96-2988 @25	.0217	.0029	-.0175	-.0403	-.0263	-.0119
26	96-2988	.0253	.0339	.0261	.0468	.0058	-.0044
27	QC_MCVA1 960226I901	1.060	4.925	2.481	-.2307	-.1009	-.0192
28	ICP1.0 960103F100	.0098	.0127	-.0069	-.0371	-.0193	-.0078
29	96-2617-BLK	.7585	.0484	.0311	.0716	.0327	.0149
30	96-2617 @5 (F)	.2165	1.686	-.0175	-.0585	-.0306	-.0116
31	96-2617 (F)	1.061	8.573	.0545	.0903	.0456	.0200
32	96-2614 PSA (F)	1.021	6.614	1.231	-.0428	-.0188	.0025
33	MCVA1 @2X	.5153	2.413	1.204	-.1222	-.0555	-.0125
34	96-2617-DUP (F)	1.101	9.801	.0660	.1096	.0510	.0214
35	96-2617-DUP PSB (F)	.5649	4.854	.1332	.9134	.9965	1.014
36	MCVB2 @2	.0191	.0508	.1062	.8922	.9835	1.018
37	QC_MCVA1 960226I901	1.007	4.746	2.409	-.1700	-.0741	-.0094
38	ICP1.0 960103F100	.0042	-.0121	-.0149	-.0420	-.0242	-.0103
39	96-2618 (F)	1.033	8.598	.0719	.1039	.0481	.0251
40	96-2618-DUP (F)	.5492	10.74	.0689	.0999	.0514	.0278
41	SRM-2709	2.492	.4182	.1412	.0729	.0388	.0299
42	96-3365 (F)	.6873	9.319	.0508	.0875	.0414	.0213
43	96-3365-DUP (F)	.5671	9.752	.0715	.1411	.0690	.0276
44	96-3366 (F)	1.395	8.103	.0712	.1297	.0659	.0290
45	96-3366-DUP (F)	1.381	8.674	.0803	.1576	.0743	.0345
46	QC_MCVA1 960226I901	.9956	4.740	2.389	-.1782	-.0747	-.0040
47	ICP1.0 960103F100	.0009	-.0025	-.0089	-.0008	-.0040	-.0062
48	96-3520 @5	.0836	-.0177	-.0028	-.0102	-.0050	-.0020
49	96-3520	.3558	-.0082	.0182	.0684	.0282	.0077
50	96-3521	.1003	.0017	.0033	.0161	-.0009	.0018
51	BLANK FOR 3522	.0294	-.0428	-.0168	-.1252	-.0560	-.0140
52	BLANK SPIKE	4.735	-.0344	4.546	-.1280	-.0535	-.0055
53	BLANK SPIKE @10	.4844	-.0345	.4729	-.0015	.0039	.0034

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#	Sample Name	Ni	P	Pb	Pd	Rh	Ru
54	96-3522 @5	.1399	-.0140	-.0014	-.0400	-.0129	-.0022
55	96-3522	.6723	-.0291	-.0011	-.1395	-.0633	-.0145
56	96-3522-DUP	.7360	-.0203	.0051	-.1324	-.0637	-.0136
57	QC_MCVA1 9602261901	.9884	4.740	2.392	-.1506	-.0566	-.0029
58	QC_MCVB2 9602211901	.0240	.0581	.1961	1.873	1.968	1.979
59	QC SSTA 951208I902	194.4	201.8	.9483	.8246	.2443	.2572
60	QC SSTMCV 951208I903	.6982	4.038	2.990	-.0300	-.0100	-.0048
61	QC_ SRM-1643d 108518	0.1103	-.0231	0.0008	-.0437	-.0222	-.0104
62	QC CCV1 960126H901	2.083	4.834	1.977	-.0586	-.0284	-.0063
63	ICP1.0 960103F100	.0298	-.0094	-.0115	.0001	-.0029	-.0038

#	Sample Name	Sb	Se	Si	Sn	Sr	Te
1	SPC-BLK 108448	2845.33	1574.33	4280.33	7593.67	163.333	11290
2	SPC-BLK 108448	.0099	.0017	-.0018	.0684	.0001	.0190
3	SPC-STD 960103I100	2933.33	1614.67	4371	7696.67	166	11993.7
4	SPC-STD 960103I100	.0377	.0276	.0231	.1071	.0004	.0480
5	ICP1.0	.28803	.1567	.42583	.76216	.01636	1.12593
6	ICP1.1B					.83916	
7	ICP1.1A					8.12076	
8	ICP1.2						
9	ICP1.3						
10	ICP1.4	25.3773					
11	ICP1.5						
12	ICP1.6			73.2207			48.934
13	ICP1.7		3.2287				
14	ICP1.8				7.43476		
15	ICP1.0 960103F100	-.0028	.0163	.0788	.0249	.0002	.0162
16	QC_MCVA1 9602261901	2.521	2.492	18.25	.1348	.4995	.0342
17	QC_MCVB2 9602211901	.0856	.0840	7.587	2.100	.0028	1.922
18	QC SSTA 951208I902	.4590	1.569	-.1482	3.865	.0204	.6969
19	QC SSTMCV 951208I903	2.180	2.640	2.964	.0979	.0018	.0228
20	QC_SRM-1643d 108518	0.0569	0.0400	2.754	.0218	.2997	.0107
21	QC CCV1 960126H901	.0170	2.020	4.855	.0695	1.980	.0404
22	ICP1.0 960103F100	.0040	.0169	.0363	.0622	.0022	.0182
23	96-2987	.0055	.0354	1.986	.0146	.0046	.0083
24	96-2988 @5	-.0082	.0067	1.013	-.0994	.0020	-.0168
25	96-2988 @25	-.0128	.0003	.2169	-.1192	.0006	-.0153
26	96-2988	.0197	.0420	4.929	.0138	.0108	.0249
27	QC_MCVA1 9602261901	2.600	2.599	19.05	-.0526	.5317	-.0048
28	ICP1.0 960103F100	-.0097	.0078	.0473	-.0925	.0009	-.0161
29	96-2617-BLK	.0169	.0493	.3885	.1156	.0029	.0322
30	96-2617 @5 (F)	-.0212	-.0065	.5775	-.1173	.0109	-.0162
31	96-2617 (F)	.0271	.0631	2.874	.1773	.0532	.0442
32	96-2614 PSA (F)	1.276	1.290	10.69	.0941	.2731	.0240
33	MCVA1 @2X	1.266	1.264	9.315	-.0583	.2540	-.0061
34	96-2617-DUP (F)	.0317	.0792	3.594	.1828	.0604	.0470
35	96-2617-DUP PSB (F)	.0539	.0760	4.444	1.101	.0314	.9911
36	MCVB2 @2	.0334	.0405	2.997	.9644	.0009	.9734
37	QC_MCVA1 9602261901	2.534	2.510	18.47	-.0114	.5119	.0046
38	ICP1.0 960103F100	-.0173	-.0020	.0404	-.1085	.0003	-.0115
39	96-2618 (F)	.0319	.0786	3.854	.2092	.0602	.0549
40	96-2618-DUP (F)	.0340	.0921	4.320	.2337	.0738	.0586

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#	Sample Name	Sb	Se	Si	Sn	Sr	Te
41	SRM-2709	.0683	.1840	124.4	.3228	.1041	.0928
42	96-3365 (F)	.0259	.0729	3.331	.1918	.0546	.0472
43	96-3365-DUP (F)	.0427	.0836	3.442	.2311	.0567	.0644
44	96-3366 (F)	.0403	.0802	4.478	.2528	.0552	.0542
45	96-3366-DUP (F)	.0358	.0948	4.001	.2860	.1274	.0592
46	QC_MCVA1 960226I901	2.503	2.527	18.30	.0296	.5103	-.0034
47	ICP1.0 960103F100	-.0011	.0110	.0284	-.0585	.0005	-.0030
48	96-3520 @5	-.0056	-.0006	.0426	-.0153	-.0002	-.0031
49	96-3520	-.0008	-.0102	.2061	.0799	.0005	.0029
50	96-3521	-.0017	-.0035	.5384	-.0063	.0003	-.0106
51	BLANK FOR 3522	-.0157	-.0168	2.880	-.1170	-.0005	-.0191
52	BLANK SPIKE	-.0028	.9118	2.378	-.1060	-.0004	-.0091
53	BLANK SPIKE @10	-.0042	.0891	.2410	.0262	-.0001	-.0015
54	96-3522 @5	-.0037	-.0085	.6467	-.0122	-.0001	-.0105
55	96-3522	-.0184	-.0261	3.129	-.1147	-.0001	-.0278
56	96-3522-DUP	-.0212	-.0151	4.143	-.1022	.0001	-.0235
57	QC_MCVA1 960226I901	2.501	2.486	18.25	.1010	.5089	.0071
58	QC_MCVB2 960221I901	.0795	.0528	6.967	2.010	.0023	1.865
59	QC SSTA 951208I902	.4576	1.532	-.3146	3.628	.0201	.6230
60	QC SSTMCV 951208I903	2.121	2.561	2.850	.0239	.0013	-.0042
61	QC_ SRM-1643d 108518	Q.0388	Q-.0022	2.670	-.0904	.3023	-.0226
62	QC CCV1 960126H901	-.0089	1.995	4.804	-.0486	2.033	-.0077
63	ICP1.0 960103F100	-.0107	-.0094	-.0131	-.0375	.0005	-.0184

#	Sample Name	Th	Ti	Tl	U	V	W
1	SPC-BLK 108448	2599	718.667	418.333	18872.7	1086	350
2	SPC-BLK 108448	-.0058	.0011	-.0028	.2714	.0021	.0025
3	SPC-STD 960103I100	2619.67	721.667	441	18840.7	1090	365.333
4	SPC-STD 960103I100	.0059	.0015	.0334	.2300	.0028	.0295
5	ICP1.0	.26103	.07193	.04176	1.88843	.10883	.03533
6	ICP1.1B		1.44723				
7	ICP1.1A		13.6782				
8	ICP1.2						
9	ICP1.3	11.2691					
10	ICP1.4					11.286	
11	ICP1.5				45.1255		
12	ICP1.6						
13	ICP1.7			1.23589			
14	ICP1.8						2.8961
15	ICP1.0 960103F100	.0007	.0001	.0071	.0168	.0001	.0256
16	QC_MCVA1 960226I901	.0427	.9761	2.420	-.4551	.9888	.0355
17	QC_MCVB2 960221I901	9.892	.0041	.0114	23.93	.0009	1.999
18	QC SSTA 951208I902	.1832	.0050	.3618	200.5	.0486	.5934
19	QC SSTMCV 951208I903	.0302	.0000	.0106	20.33	.5237	.0301
20	QC_SRM-1643d 108518	-.0109	.0007	Q.0192	.4027	Q.0366	-.0016
21	QC CCV1 960126H901	.0100	.0005	1.967	.1252	.9824	.0185
22	ICP1.0 960103F100	-.0008	.0007	.0103	.2162	.0022	.0095
23	96-2987	.0045	.0008	.0084	.1254	.0006	.0127
24	96-2988 @5	.0061	-.0017	-.0073	-.4655	-.0033	-.0066
25	96-2988 @25	-.0018	-.0014	-.0125	-.3347	-.0030	.0041
26	96-2988	.0128	.0002	.0200	-.3061	-.0006	-.0049
27	QC_MCVA1 960226I901	.0452	1.030	2.505	-1.110	1.035	.0225

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#	Sample Name	Th	Ti	Tl	U	V	W
28	ICP1.0 960103F100	-.0029	.0003	-.0011	-.2542	-.0007	-.0049
29	96-2617-BLK	.0047	.0045	.0095	.3620	.0028	.0153
30	96-2617 @5 (F)	-.0003	-.0007	-.0167	-.3055	-.0031	-.0071
31	96-2617 (F)	.0048	.0066	.0292	.8457	.0044	.0180
32	96-2614 PSA (F)	.0268	.4677	1.223	-.0004	.4912	.0225
33	MCVA1 @2X	.0241	.4928	1.217	-.5777	.4966	.0067
34	96-2617-DUP (F)	.0028	.0097	.0299	.9422	.0064	.0250
35	96-2617-DUP PSB (F)	4.956	.0052	.0187	11.90	.0011	1.013
36	MCVB2 @2	5.060	-.0003	-.0009	11.62	-.0042	.9973
37	QC_MCVA1 960226I901	.0444	.9916	2.441	-.8094	.9970	.0269
38	ICP1.0 960103F100	.0035	-.0009	-.0120	-.3639	-.0023	-.0060
39	96-2618 (F)	.0080	.0127	.0291	.8828	.0057	.0280
40	96-2618-DUP (F)	.0125	.0107	.0317	.9664	.0063	.0167
41	SRM-2709	.0260	1.378	.0646	.3502	.0545	.0394
42	96-3365 (F)	.0067	.0087	.0324	.8305	.0045	.0175
43	96-3365-DUP (F)	.0054	.0097	.0327	1.147	.0065	.0282
44	96-3366 (F)	.0035	.0115	.0221	1.016	.0081	.0342
45	96-3366-DUP (F)	.0026	.0087	.0393	1.088	.0079	.0370
46	QC_MCVA1 960226I901	.0424	.9868	2.437	-.7661	.9902	.0224
47	ICP1.0 960103F100	-.0005	-.0002	-.0022	-.1299	-.0007	.0024
48	96-3520 @5	-.0018	.0007	.0064	-.0619	-.0001	-.0041
49	96-3520	-.0069	.0065	.0090	.2891	.0037	-.0041
50	96-3521	-.0048	.0179	-.0031	.1007	.0039	.0384
51	BLANK FOR 3522	.0167	.0004	.0048	-.6552	-.0038	-.0133
52	BLANK SPIKE	.0279	.0001	1.832	-.6332	-.0032	.0026
53	BLANK SPIKE @10	.0037	.0003	.1966	.0131	.0000	-.0054
54	96-3522 @5	.0032	.0043	.0102	-.1763	.0008	-.0003
55	96-3522	.0124	.0217	.0121	-.7442	.0029	-.0177
56	96-3522-DUP	.0081	.0228	.0037	-.6575	.0033	-.0100
57	QC_MCVA1 960226I901	.0503	.9832	2.414	-.5640	.9873	.0191
58	QC_MCVB2 960221I901	9.951	.0029	.0108	23.23	-.0028	1.962
59	QC SSTA 951208I902	.4914	.0020	.3230	202.4	.0440	.5521
60	QC SSTMCV 951208I903	.0464	-.0008	.0038	19.75	.5085	.0126
61	QC_ SRM-1643d 108518	-.0069	-.0005	Q-.0009	-.0391	Q.0325	-.0056
62	QC CCV1 960126H901	.0150	-.0010	1.952	-.3390	.9786	-.0102
63	ICP1.0 960103F100	-.0049	-.0002	-.0014	-.0690	-.0007	-.0147

#	Sample Name	Y	Zn	Zr
1	SPC-BLK 108448	276.333	385.667	876
2	SPC-BLK 108448	.0007	.0001	.0011
3	SPC-STD 960103I100	276.333	136023	874
4	SPC-STD 960103I100	.0007	9.888	-.0001
5	ICP1.0	.02773	.04256	.08753
6	ICP1.1B		2.80463	2.55163
7	ICP1.1A		26.2445	23.9376
8	ICP1.2			
9	ICP1.3			
10	ICP1.4	2.92336		
11	ICP1.5			
12	ICP1.6			
13	ICP1.7			
14	ICP1.8			

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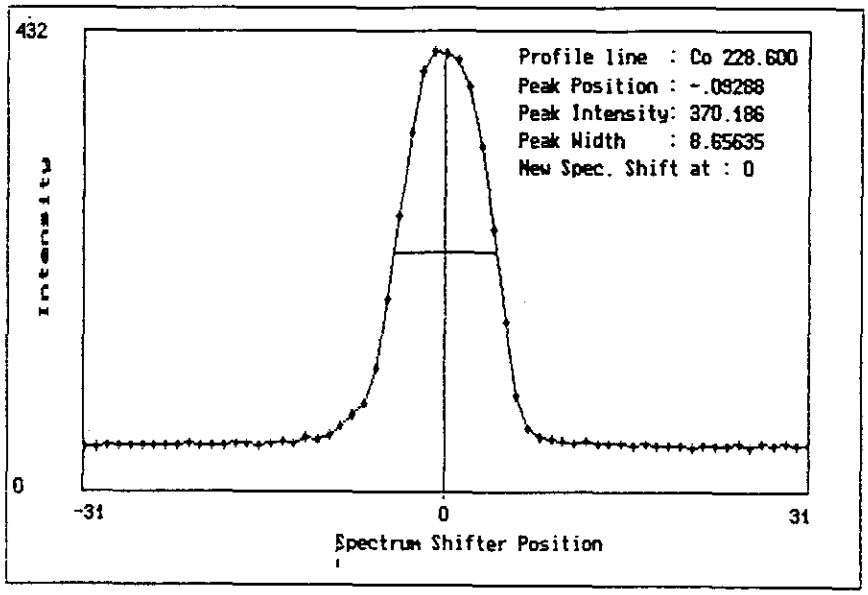
#	Sample Name	Y	Zn	Zr			
15	ICP1.0 960103F100	-.0000	-.0021	-.0012			
16	QC_MCVA1 960226I901	-.0010	.9598	1.952			
17	QC_MCVB2 960221I901	.9851	.0019	-.0465			
18	QC SSTA 951208I902	.0237	.0921	.0356			
19	QC SSTMCV 951208I903	.0007	-.0024	.5113			
20	QC_SRM-1643d 108518	.0009	0.0715	.0007			
21	QC CCV1 960126H901	.0003	1.010	-.0010			
22	ICP1.0 960103F100	.0004	-.0008	-.0003			
23	96-2987	.0003	.0624	.0002			
24	96-2988 @5	-.0014	.0012	-.0047			
25	96-2988 @25	-.0016	-.0020	-.0043			
26	96-2988	-.0010	.0242	-.0023			
27	QC_MCVA1 960226I901	-.0036	1.009	2.065			
28	ICP1.0 960103F100	-.0013	-.0007	-.0001			
29	96-2617-BLK	.0010	.0038	.0030			
30	96-2617 @5 (F)	-.0017	-.0000	-.0008			
31	96-2617 (F)	.0013	.0184	.0189			
32	96-2614 PSA (F)	-.0007	.5030	.9787			
33	MCVA1 @2X	-.0019	.4985	.9852			
34	96-2617-DUP (F)	.0014	.0226	.0215			
35	96-2617-DUP PSB (F)	.4879	.0124	-.0222			
36	MCVB2 @2	.4960	-.0016	-.0327			
37	QC_MCVA1 960226I901	-.0023	.9828	1.990			
38	ICP1.0 960103F100	-.0014	-.0016	-.0026			
39	96-2618 (F)	.0014	.0228	.0188			
40	96-2618-DUP (F)	.0016	.0251	.0210			
41	SRM-2709	.0089	.0572	.0193			
42	96-3365 (F)	.0011	.0085	.0212			
43	96-3365-DUP (F)	.0022	.0086	.0215			
44	96-3366 (F)	.0018	.0128	.0300			
45	96-3366-DUP (F)	.0024	.0129	.0349			
46	QC_MCVA1 960226I901	-.0023	.9911	1.986			
47	ICP1.0 960103F100	-.0009	-.0012	-.0005			
48	96-3520 @5	-.0004	.0018	-.0013			
49	96-3520	.0009	.0138	.0017			
50	96-3521	-.0001	.0763	-.0006			
51	BLANK FOR 3522	-.0025	.0003	-.0044			
52	BLANK SPIKE	-.0026	4.729	-.0038			
53	BLANK SPIKE @10	-.0002	.4868	-.0008			
54	96-3522 @5	-.0008	.0370	-.0018			
55	96-3522	-.0027	.1717	-.0046			
56	96-3522-DUP	-.0028	.1666	-.0031			
57	QC_MCVA1 960226I901	-.0012	.9960	1.982			
58	QC_MCVB2 960221I901	.9725	.0039	-.0576			
59	QC SSTA 951208I902	.0217	.0960	.0090			
60	QC SSTMCV 951208I903	-.0006	-.0017	.5051			
61	QC_ SRM-1643d 108518	-.0008	0.0743	-.0021			
62	QC CCV1 960126H901	-.0016	1.041	-.0040			
63	ICP1.0 960103F100	-.0004	-.0006	-.0011			



A0085
ICP-325-405-1
3/8/96 DRS

Analysis Report Fri 03-08-96 09:03:21 AM page 1

Method: ICP1A Sample Name: SPC-BLK 108448 Operator: DRS
Run Time: 03/08/96 09:02:03
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	7414	2311	1739	1354	350	197	1586
SDev	15	4	6	8	1	1	13
%RSD	.2002	.1749	.3696	.5639	.1651	.2926	.8327
#1	7430	2315	1742	1361	350	197	1583
#2	7401	2307	1732	1356	350	197	1574
#3	7410	2310	1744	1346	349	198	1600

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1383	612	7082	1624	507	556	2143
SDev	3	26	12	12	11	3	6
%RSD	.1913	4.286	.1765	.7345	2.218	.5396	.2851
#1	1381	616	7095	1634	504	559	2150
#2	1382	636	7082	1628	497	556	2142
#3	1386	584	7070	1611	519	553	2138

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	381	641	2254	1112	437	2678	218
SDev	1	2	5	2	1	13	1
%RSD	.1514	.3246	.2000	.1871	.2288	.4854	.5305
#1	382	643	2259	1114	438	2671	219
#2	381	639	2250	1113	436	2693	217
#3	381	642	2254	1110	437	2670	217

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	895	457	4122	546	1399	15190	16640
SDev	4	0	7	5	16	43	62
%RSD	.4029	.0000	.1651	.8393	1.140	.2862	.3752
#1	892	457	4130	541	1388	15200	16700
#2	894	457	4117	550	1417	15230	16620
#3	899	457	4120	547	1391	15140	16580

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	16790	4739	2845	1574	4280	7594	163
SDev	44	22	1	6	9	7	1
%RSD	.2623	.4547	.0406	.3612	.2171	.0877	.3535
#1	16830	4747	2846	1579	4276	7601	164
#2	16740	4756	2844	1576	4274	7588	163
#3	16790	4715	2846	1568	4291	7592	163

Elem	Te	Th	Ti	Tl	U	V	W
Avge	11290	2599	719	418	18870	1086	350
SDev	48	16	2	4	29	3	3
%RSD	.4214	.6299	.2897	.8395	.1532	.2762	.9897
#1	11330	2603	721	418	18900	1089	352
#2	11240	2613	718	415	18850	1083	352
#3	11300	2581	717	422	18870	1086	346

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Elem	Y	Zn	Zr
Avge	276	386	876
SDev	1	9	1
%RSD	.2089	2.409	.1142
#1	277	390	877
#2	276	392	875
#3	276	375	876

Analysis Report Fri 03-08-96 09:06:50 AM page 1

Method: ICP1A Sample Name: SPC-BLK 108448 Operator: DRS
Run Time: 03/08/96 09:02:03
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	.0067	-.0112	.0100	-.0007	.0001	-.0021
SDev	.0004	.0028	.0029	.0009	.0001	.0000	.0058
%RSD	16.57	42.02	26.11	9.091	11.72	46.89	277.0
#1	.0029	.0091	-.0101	.0108	-.0006	.0000	-.0033
#2	.0021	.0036	-.0145	.0103	-.0006	.0001	-.0072
#3	.0024	.0073	-.0089	.0090	-.0007	.0001	.0042

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0071	-.0031	.0189	.0067	.0003	.0027	.0016
SDev	.0009	.0029	.0029	.0014	.0019	.0014	.0007
%RSD	12.71	95.15	15.17	20.33	659.6	53.27	43.55
#1	.0063	-.0026	.0217	.0078	-.0002	.0041	.0024
#2	.0069	-.0004	.0191	.0071	-.0013	.0028	.0015
#3	.0081	-.0062	.0160	.0052	.0023	.0012	.0010

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	-.0042	.6785	.0043	.0014	-.0013	-.0002
SDev	.0001	.0005	.1021	.0008	.0005	.0089	.0002
%RSD	17.62	12.68	15.03	17.84	33.33	703.9	83.13
#1	.0007	-.0038	.7841	.0048	.0019	-.0069	-.0000
#2	.0006	-.0048	.5805	.0046	.0010	.0090	-.0003
#3	.0005	-.0040	.6710	.0034	.0014	-.0058	-.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0455	.0166	.0062	.0059	.0068	.0542
SDev	.0006	.0001	.0024	.0016	.0130	.0037	.0158
%RSD	80.58	.1295	14.15	25.57	220.9	54.50	29.21
#1	.0003	.0455	.0193	.0044	-.0030	.0072	.0724
#2	.0006	.0454	.0148	.0075	.0208	.0102	.0466
#3	.0015	.0455	.0158	.0065	-.0002	.0029	.0436

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0239	.0042	.0099	.0017	-.0018	.0684	.0001
SDev	.0052	.0032	.0003	.0036	.0028	.0044	.0001
%RSD	21.62	76.95	3.381	208.0	159.6	6.465	101.6
#1	.0291	.0052	.0101	.0046	-.0037	.0732	.0001
#2	.0187	.0067	.0095	.0028	-.0031	.0645	.0000
#3	.0239	.0006	.0101	-.0023	.0015	.0676	.0000

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0190	-.0058	.0011	-.0028	.2714	.0021	.0025
SDev	.0050	.0081	.0003	.0060	.0330	.0005	.0061

%RSD	26.35	140.6	26.58	217.8	12.16	23.69	246.5
#1	.0230	-.0059	.0014	-.0035	.3057	.0026	.0059
#2	.0134	.0024	.0010	-.0084	.2399	.0016	.0061
#3	.0207	-.0138	.0008	.0036	.2685	.0021	-.0046

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0007	.0001	.0011
SDev	.0002	.0007	.0007
%RSD	24.22	1353.	62.65
#1	.0009	.0004	.0013
#2	.0006	.0005	.0004
#3	.0006	-.0007	.0017

Analysis Report Fri 03-08-96 09:08:42 AM page 1

Method: ICP1A Sample Name: SPC-STD 960103I100 Operator: DRS
Run Time: 03/08/96 09:07:24
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	7464	2345	1815	1374	351	198	1844
SDev	13	6	3	33	1	1	23
%RSD	.1802	.2374	.1458	2.405	.3287	.2911	1.249
#1	7468	2340	1818	1412	352	198	1822
#2	7449	2344	1814	1352	350	198	1868
#3	7475	2351	1813	1358	352	199	1843

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1764	643	7043	1591	524	20990	2353
SDev	3	97	16	5	7	145	6
%RSD	.1964	15.04	.2256	.3143	1.406	.6905	.2366
#1	1760	543	7034	1591	516	21030	2348
#2	1766	736	7033	1586	530	21110	2352
#3	1766	649	7061	1596	527	20830	2359

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	382	695	2248	1111	21640	2766	66190
SDev	1	3	8	4	124	21	412
%RSD	.3020	.4984	.3705	.3639	.5731	.7448	.6226
#1	381	697	2245	1110	21700	2744	66290
#2	383	691	2241	1107	21720	2768	66540
#3	383	697	2257	1115	21500	2785	65730

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	931	460	4130	549	1553	136200	16610
SDev	1	2	14	5	2	407	44
%RSD	.0620	.3318	.3358	.8347	.1115	.2990	.2650
#1	931	459	4126	544	1554	136400	16600
#2	930	460	4118	550	1554	136400	16570
#3	931	462	4145	553	1551	135700	16650

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	16780	4768	2933	1615	4371	7697	166
SDev	70	26	18	17	14	8	0
%RSD	.4160	.5406	.6187	1.055	.3095	.1058	.0000
#1	16800	4740	2914	1595	4357	7693	166
#2	16700	4772	2936	1624	4372	7691	166
#3	16840	4791	2950	1625	4384	7706	166

Elem	Te	Th	Ti	Tl	U	V	W
Avge	11990	2620	722	441	18840	1090	365
SDev	38	13	2	3	75	2	7
%RSD	.3160	.4834	.3200	.5999	.3987	.1835	1.980
#1	11950	2615	723	438	18840	1090	370
#2	12000	2610	719	443	18770	1088	357
#3	12030	2634	723	442	18920	1092	369

Elem	Y	Zn	Zr
Avge	276	136000	874
SDev	1	471	3
%RSD	.2089	.3461	.3432
#1	276	136500	874
#2	276	136100	871
#3	277	135500	877

Analysis Report Fri 03-08-96 09:09:55 AM page 1

Method: ICP1A Sample Name: SPC-STD 960103I100 Operator: DRS
Run Time: 03/08/96 09:07:24
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	.0125	.0244	.0125	-.0004	.0001	.0140
SDev	.0002	.0032	.0014	.0040	.0002	.0000	.0098
%RSD	4.784	25.76	5.880	32.37	35.42	18.25	70.33
#1	.0046	.0088	.0259	.0171	-.0003	.0001	.0041
#2	.0042	.0140	.0241	.0098	-.0006	.0001	.0238
#3	.0045	.0147	.0231	.0104	-.0003	.0002	.0142

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1246	-.0001	.0097	.0028	.0032	10.24	.0056
SDev	.0011	.0107	.0033	.0005	.0012	.07	.0007
%RSD	.9070	11450.	33.79	18.47	38.05	.7100	12.55
#1	.1233	-.0111	.0077	.0028	.0018	10.26	.0050
#2	.1256	.0102	.0080	.0023	.0042	10.30	.0055
#3	.1248	.0006	.0135	.0033	.0037	10.16	.0064

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0049	.5277	.0035	10.13	-.0064	10.49
SDev	.0002	.0009	.1883	.0014	.06	.0113	.07
%RSD	28.29	18.99	35.69	38.72	.5848	177.1	.6250
#1	.0005	-.0044	.4674	.0033	10.16	-.0193	10.51
#2	.0009	-.0060	.3769	.0023	10.17	-.0018	10.55
#3	.0009	-.0044	.7388	.0050	10.06	.0019	10.42

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0638	.0195	.0072	-.0177	10.27	.0398
SDev	.0001	.0084	.0047	.0016	.0006	.03	.0088
%RSD	3.337	13.14	24.16	21.87	3.480	.3400	22.05
#1	.0030	.0565	.0182	.0055	-.0173	10.29	.0393
#2	.0029	.0620	.0156	.0075	-.0174	10.29	.0312
#3	.0030	.0730	.0248	.0086	-.0184	10.23	.0487

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0233	.0085	.0377	.0276	.0231	.1071	.0004
SDev	.0078	.0037	.0057	.0111	.0034	.0047	.0000
%RSD	33.60	43.68	15.19	40.15	14.78	4.425	.1473
#1	.0261	.0044	.0316	.0148	.0192	.1032	.0004
#2	.0144	.0094	.0386	.0338	.0253	.1056	.0004
#3	.0293	.0117	.0430	.0342	.0250	.1124	.0004

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0480	.0059	.0015	.0334	.2300	.0028	.0295
SDev	.0038	.0016	.0003	.0049	.0838	.0002	.0127

%RSD	7.886	27.22	18.53	14.54	36.42	7.932	42.93
#1	.0440	.0041	.0017	.0280	.2263	.0028	.0378
#2	.0483	.0063	.0012	.0375	.1482	.0026	.0149
#3	.0515	.0073	.0016	.0346	.3156	.0030	.0359

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0007	9.888	-.0001
SDev	.0001	.034	.0005
%RSD	19.99	.3469	360.4
#1	.0006	9.920	-.0000
#2	.0007	9.893	-.0007
#3	.0009	9.852	.0003

Standardization Rpt. Fri 03-08-96 09:15:46 AM page 1

Method: ICP1A Standard: ICP1.0

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.7421	.2315	.1773	.1316	.0355	.0198	.1600
SDev	.0007	.0003	.0030	.0007	.0001	.0001	.0025
%RSD	.0897	.1143	1.715	.4983	.2817	.2921	1.583
#1	.7423	.2313	.1793	.1309	.0356	.0198	.1609
#2	.7427	.2318	.1738	.1317	.0354	.0198	.1571
#3	.7414	.2314	.1788	.1322	.0355	.0197	.1619

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1382	.0651	.7067	.1584	.0506	.0565	.2148
SDev	.0002	.0089	.0013	.0004	.0003	.0003	.0004
%RSD	.1506	13.63	.1797	.2629	.6349	.4683	.1862
#1	.1380	.0603	.7052	.1585	.0505	.0563	.2144
#2	.1383	.0596	.7074	.1587	.0510	.0568	.2152
#3	.1384	.0753	.7074	.1579	.0504	.0564	.2148

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0381	.0643	.2253	.1113	.0447	.2677	.0236
SDev	.0001	.0001	.0003	.0002	.0004	.0001	.0001
%RSD	.1514	.2374	.1117	.1556	.8476	.0571	.4900
#1	.0381	.0642	.2251	.1112	.0444	.2675	.0235
#2	.0382	.0645	.2253	.1115	.0445	.2678	.0237
#3	.0381	.0643	.2256	.1112	.0451	.2677	.0235

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0891	.0451	.4131	.0541	.1410	1.524	1.663
SDev	.0009	.0006	.0010	.0005	.0022	.010	.001
%RSD	1.010	1.330	.2351	.8471	1.561	.6750	.0342
#1	.0891	.0445	.4120	.0542	.1409	1.533	1.663
#2	.0882	.0457	.4139	.0536	.1388	1.527	1.663
#3	.0900	.0451	.4133	.0545	.1432	1.513	1.664

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	1.678	.4779	.2880	.1567	.4258	.7622	.0164
SDev	.004	.0018	.0038	.0018	.0005	.0024	.0001
%RSD	.2290	.3702	1.319	1.134	.1158	.3084	.3528
#1	1.675	.4760	.2837	.1581	.4256	.7598	.0163
#2	1.682	.4782	.2908	.1547	.4264	.7645	.0164
#3	1.677	.4795	.2896	.1573	.4255	.7622	.0164

Elem	Te	Th	Ti	Tl	U	V	W
Avge	1.126	.2610	.0719	.0418	1.888	.1088	.0353
SDev	.003	.0013	.0001	.0004	.005	.0003	.0003
%RSD	.2491	.5000	.2124	.9968	.2736	.3227	.7122
#1	1.123	.2600	.0718	.0419	1.885	.1088	.0356
#2	1.127	.2625	.0719	.0413	1.894	.1092	.0351
#3	1.128	.2606	.0721	.0421	1.885	.1085	.0353

Elem	Y	Zn	Zr
Avge	.0277	.0426	.0875
SDev	.0001	.0008	.0001

%RSD	.5508	1.779	.1319
#1	.0276	.0417	.0874
#2	.0279	.0431	.0876
#3	.0277	.0429	.0876

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Method: ICP1A Standard: ICP1.1B

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	.7802	1.942	1.267	.4628	7.366	4.666	1.271
SDev	.0046	.008	.004	.0033	.037	.018	.007
%RSD	.5891	.4184	.3481	.7069	.5016	.3933	.5418
#1	.7854	1.951	1.269	.4663	7.408	4.686	1.277
#2	.7766	1.937	1.271	.4598	7.338	4.649	1.264
#3	.7787	1.938	1.262	.4624	7.352	4.663	1.273

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	.4934	.6514	7.661	.8392	1.447	2.805	2.552
SDev	.0029	.0011	.024	.0054	.007	.012	.013
%RSD	.5882	.1730	.3191	.6495	.5175	.4171	.5272
#1	.4966	.6527	7.689	.8452	1.456	2.818	2.566
#2	.4909	.6507	7.648	.8346	1.441	2.799	2.540
#3	.4928	.6508	7.645	.8377	1.445	2.797	2.548

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Method: ICP1A Standard: ICP1.1A

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	7.390	17.01	11.64	4.015	68.35	40.02	11.38
SDev	.031	.06	.05	.014	.24	.14	.04
%RSD	.4140	.3401	.4134	.3454	.3504	.3440	.3581
#1	7.415	17.06	11.66	4.024	68.57	40.14	11.41
#2	7.356	16.94	11.58	3.999	68.10	39.87	11.34
#3	7.399	17.02	11.67	4.023	68.39	40.05	11.40

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	4.466	5.655	59.25	8.121	13.68	26.24	23.94
SDev	.016	.019	.18	.032	.06	.10	.10
%RSD	.3555	.3321	.2984	.3956	.4051	.3844	.4115
#1	4.478	5.670	59.41	8.142	13.72	26.33	24.03
#2	4.448	5.634	59.06	8.084	13.62	26.13	23.83
#3	4.472	5.661	59.26	8.137	13.70	26.27	23.95

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Method: ICP1A Standard: ICP1.2

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	62.56	41.04	81.91	9.200	2.467	10.60	6.387
SDev	.11	.06	.16	.041	.004	.02	.011
%RSD	.1728	.1370	.1993	.4442	.1767	.1486	.1724
#1	62.64	41.06	82.03	9.220	2.470	10.61	6.396
#2	62.60	41.09	81.98	9.227	2.469	10.60	6.390
#3	62.44	40.98	81.73	9.153	2.462	10.58	6.374

Elem	P
Avge	12.48
SDev	.04
%RSD	.3079
#1	12.52
#2	12.49
#3	12.44

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Method: ICP1A Standard: ICP1.3

Elem	Dy	Eu	La	Nd	Ru	Th
Avge	40.73	9.924	5.247	13.79	34.33	11.27
SDev	.27	.058	.027	.08	.15	.05
%RSD	.6615	.5883	.5120	.5644	.4391	.4428
#1	41.04	9.989	5.275	13.87	34.46	11.32
#2	40.53	9.876	5.221	13.72	34.17	11.22
#3	40.63	9.908	5.244	13.77	34.37	11.27

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Method: ICP1A Standard: ICP1.4

Elem	As	Ce	Sb	V	Y
Avge	21.24	21.30	25.38	11.29	2.923
SDev	.13	.09	.14	.05	.015
%RSD	.5928	.4308	.5631	.4856	.5065
#1	21.21	21.30	25.35	11.28	2.920
#2	21.12	21.20	25.25	11.23	2.911
#3	21.37	21.38	25.53	11.34	2.940

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Method: ICP1A Standard: ICP1.5

Elem	U
Avge	45.13
SDev	.11
%RSD	.2516
#1	45.09
#2	45.25
#3	45.03

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Method: ICP1A Standard: ICP1.6

Elem	Be	Si	Te
Avge	1.729	73.22	48.93
SDev	.002	.12	.09
%RSD	.0928	.1618	.1840
#1	1.727	73.09	48.83
#2	1.729	73.25	48.96
#3	1.731	73.32	49.01

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Method: ICP1A Standard: ICP1.7

Elem	Ag	Bi	Se	Tl
Avge	28.24	23.15	3.229	1.236
SDev	.23	.17	.039	.011
%RSD	.8086	.7404	1.205	.8689
#1	28.14	23.07	3.207	1.230
#2	28.09	23.04	3.205	1.230
#3	28.51	23.35	3.274	1.248

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Method: ICP1A Standard: ICP1.8

Elem	Pd	Rh	Sn	W
Avge	18.27	42.39	7.435	2.896
SDev	.17	.41	.059	.033
%RSD	.9116	.9717	.7890	1.141
#1	18.14	42.06	7.396	2.873
#2	18.21	42.26	7.407	2.882
#3	18.46	42.85	7.502	2.934

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Method: ICP1A Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	.363614	-.269850	03/08/96 09:47:47
Al	308.215	ICP1.2	ICP1.0	8.02178	-1.85704	03/08/96 09:47:47
As	193.600	ICP1.4	ICP1.0	4.74880	-.841963	03/08/96 09:47:47
B	249.600	ICP1.2	ICP1.0	1.22225	-.160848	03/08/96 09:47:47
Ba	493.400	Multiple	Standards	1.35126	-.048026	03/08/96 09:20:10
Be	313.042	ICP1.6	ICP1.0	.585080	-.011565	03/08/96 09:47:47
Bi	223.061	ICP1.7	ICP1.0	4.34955	-.695783	03/08/96 09:47:47
Ca	317.900	ICP1.2	ICP1.0	3.05711	-.422594	03/08/96 09:47:47
Cd	228.800	ICP1.2	ICP1.0	1.09472	-.071230	03/08/96 09:47:47
Ce	418.659	ICP1.4	ICP1.0	2.42842	-1.71608	03/08/96 09:47:47
Co	228.600	Multiple	Standards	1.15349	-.183185	03/08/96 09:20:10
Cr	205.500	Multiple	Standards	1.68427	-.085718	03/08/96 09:20:10
Cu	324.700	Multiple	Standards	4.98659	-.281976	03/08/96 09:20:10
Dy	353.170	ICP1.3	ICP1.0	1.23400	-.265064	03/08/96 09:47:47
Eu	381.900	ICP1.3	ICP1.0	2.02300	-.077144	03/08/96 09:47:47
Fe	259.900	Multiple	Standards	2.83118	-.188137	03/08/96 09:20:10
K	766.500	ICP1.2	ICP1.0	223.055	-50.2617	03/08/96 09:47:47
La	398.852	ICP1.3	ICP1.0	3.89443	-.433451	03/08/96 09:47:47
Li	670.700	ICP1.2	ICP1.0	4.73829	-.211644	03/08/96 09:47:47
Mg	279.078	Multiple	Standards	5.97276	-1.61005	03/08/96 09:20:10
Mn	257.600	ICP1.2	ICP1.0	1.57158	-.037037	03/08/96 09:47:47
Mo	202.000	Multiple	Standards	1.73074	-.154619	03/08/96 09:20:10
Na	588.900	Multiple	Standards	56.1542	-2.53412	03/08/96 09:20:10
Nd	406.106	ICP1.3	ICP1.0	3.73826	-1.54415	03/08/96 09:47:47
Ni	231.600	Multiple	Standards	3.45662	-.187580	03/08/96 09:20:10
P	214.900	ICP1.2	ICP1.0	8.10303	-1.14226	03/08/96 09:47:47
Pb	220.300	Multiple	Standards	.839864	-1.28160	03/08/96 09:20:10
Pd	360.959	ICP1.8	ICP1.0	3.01071	-5.00782	03/08/96 09:47:47
Rh	343.489	ICP1.8	ICP1.0	1.22817	-2.06107	03/08/96 09:47:47
Ru	240.271	ICP1.3	ICP1.0	1.47689	-.705806	03/08/96 09:47:47
Sb	206.838	ICP1.4	ICP1.0	3.18861	-.918427	03/08/96 09:47:47
Se	196.026	ICP1.7	ICP1.0	6.51042	-1.02018	03/08/96 09:47:47
Si	288.100	ICP1.6	ICP1.0	2.74745	-1.16995	03/08/96 09:47:47
Sn	242.950	ICP1.8	ICP1.0	8.51011	-6.48612	03/08/96 09:47:47
Sr	421.500	Multiple	Standards	1.22461	-.020111	03/08/96 09:20:10
Te	214.275	ICP1.6	ICP1.0	1.04585	-1.17756	03/08/96 09:47:47
Th	283.730	ICP1.3	ICP1.0	4.54212	-1.18565	03/08/96 09:47:47
Ti	334.900	Multiple	Standards	1.46207	-.105268	03/08/96 09:20:10
Tl	190.864	ICP1.7	ICP1.0	16.7486	-.699531	03/08/96 09:47:47
U	378.280	ICP1.5	ICP1.0	11.5641	-21.8381	03/08/96 09:47:47
V	292.402	ICP1.4	ICP1.0	1.78936	-.194742	03/08/96 09:47:47
W	224.875	ICP1.8	ICP1.0	17.7207	-.626130	03/08/96 09:47:47
Y	371.030	ICP1.4	ICP1.0	3.45348	-.095776	03/08/96 09:47:47
Zn	213.800	Multiple	Standards	.743279	-.032112	03/08/96 09:20:10
Zr	339.100	Multiple	Standards	2.06240	-.181260	03/08/96 09:20:10

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Method: ICP1A Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	2.75017	.269850	03/08/96 09:47:47
Al	308.215	ICP1.2	ICP1.0	.124661	1.85704	03/08/96 09:47:47
As	193.600	ICP1.4	ICP1.0	.210579	.841963	03/08/96 09:47:47
B	249.600	ICP1.2	ICP1.0	.818165	.160848	03/08/96 09:47:47
Ba	493.400	Multiple	Standards	.740052	.048026	03/08/96 09:20:10
Be	313.042	ICP1.6	ICP1.0	1.70917	.011565	03/08/96 09:47:47
Bi	223.061	ICP1.7	ICP1.0	.229909	.695783	03/08/96 09:47:47
Ca	317.900	ICP1.2	ICP1.0	.327107	.422594	03/08/96 09:47:47
Cd	228.800	ICP1.2	ICP1.0	.913473	.071230	03/08/96 09:47:47
Ce	418.659	ICP1.4	ICP1.0	.411791	1.71608	03/08/96 09:47:47
Co	228.600	Multiple	Standards	.866935	.183185	03/08/96 09:20:10
Cr	205.500	Multiple	Standards	.593729	.085718	03/08/96 09:20:10
Cu	324.700	Multiple	Standards	.200538	.281976	03/08/96 09:20:10
Dy	353.170	ICP1.3	ICP1.0	.810371	.265064	03/08/96 09:47:47
Eu	381.900	ICP1.3	ICP1.0	.494315	.077144	03/08/96 09:47:47
Fe	259.900	Multiple	Standards	.353209	.188137	03/08/96 09:20:10
K	766.500	ICP1.2	ICP1.0	.004483	50.2617	03/08/96 09:47:47
La	398.852	ICP1.3	ICP1.0	.256777	.433451	03/08/96 09:47:47
Li	670.700	ICP1.2	ICP1.0	.211047	.211644	03/08/96 09:47:47
Mg	279.078	Multiple	Standards	.167427	1.61005	03/08/96 09:20:10
Mn	257.600	ICP1.2	ICP1.0	.636303	.037037	03/08/96 09:47:47
Mo	202.000	Multiple	Standards	.577787	.154619	03/08/96 09:20:10
Na	588.900	Multiple	Standards	.017808	2.53412	03/08/96 09:20:10
Nd	406.106	ICP1.3	ICP1.0	.267504	1.54415	03/08/96 09:47:47
Ni	231.600	Multiple	Standards	.289300	.187580	03/08/96 09:20:10
P	214.900	ICP1.2	ICP1.0	.123411	1.14226	03/08/96 09:47:47
Pb	220.300	Multiple	Standards	1.19067	1.28160	03/08/96 09:20:10
Pd	360.959	ICP1.8	ICP1.0	.332147	5.00782	03/08/96 09:47:47
Rh	343.489	ICP1.8	ICP1.0	.814220	2.06107	03/08/96 09:47:47
Ru	240.271	ICP1.3	ICP1.0	.677099	.705806	03/08/96 09:47:47
Sb	206.838	ICP1.4	ICP1.0	.313616	.918427	03/08/96 09:47:47
Se	196.026	ICP1.7	ICP1.0	.153600	1.02018	03/08/96 09:47:47
Si	288.100	ICP1.6	ICP1.0	.363974	1.16995	03/08/96 09:47:47
Sn	242.950	ICP1.8	ICP1.0	.117507	6.48612	03/08/96 09:47:47
Sr	421.500	Multiple	Standards	.816590	.020111	03/08/96 09:20:10
Te	214.275	ICP1.6	ICP1.0	.956161	1.17756	03/08/96 09:47:47
Th	283.730	ICP1.3	ICP1.0	.220161	1.18565	03/08/96 09:47:47
Ti	334.900	Multiple	Standards	.683963	.105268	03/08/96 09:20:10
Tl	190.864	ICP1.7	ICP1.0	.059707	.699531	03/08/96 09:47:47
U	378.280	ICP1.5	ICP1.0	.086474	21.8381	03/08/96 09:47:47
V	292.402	ICP1.4	ICP1.0	.558860	.194742	03/08/96 09:47:47
W	224.875	ICP1.8	ICP1.0	.056431	.626130	03/08/96 09:47:47
Y	371.030	ICP1.4	ICP1.0	.289563	.095776	03/08/96 09:47:47
Zn	213.800	Multiple	Standards	1.34539	.032112	03/08/96 09:20:10
Zr	339.100	Multiple	Standards	.484872	.181260	03/08/96 09:20:10

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Method: ICP1A

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	ICP1.0	.000000	.000000	-.000000
		ICP1.7	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al	308.215	ICP1.0	.000000	-.000000	.000000
		ICP1.2	500.000	500.000	.000031
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As	193.600	ICP1.0	.000000	.000000	-.000000
		ICP1.4	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B	249.600	ICP1.0	.000000	.000000	-.000000
		ICP1.2	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	ICP1.0	.000000	-.000056	.000056
		ICP1.1B	1.00000	1.00627	-.006269
		ICP1.1A	10.0000	9.93731	.062692
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	ICP1.0	.000000	-.000000	.000000
		ICP1.6	1.00000	1.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	ICP1.0	.000000	-.000000	.000000
		ICP1.7	100.000	100.0000	.000008
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	ICP1.0	.000000	-.000000	.000000
		ICP1.2	250.000	250.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	ICP1.0	.000000	.000000	-.000000
		ICP1.2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	ICP1.0	.000000	-.000000	.000000
		ICP1.4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	ICP1.0	.000000	-.000510	.000510
		ICP1.1B	2.00000	2.05670	-.056699
		ICP1.1A	20.0000	19.4330	.566990
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	ICP1.0	.000000	-.000438	.000438
		ICP1.1B	2.00000	2.04864	-.048644
		ICP1.1A	20.0000	19.5136	.486441
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	ICP1.0	.000000	-.000234	.000234
		ICP1.1B	2.00000	2.02598	-.025983
		ICP1.1A	20.0000	19.7402	.259829
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	ICP1.0	.000000	.000000	-.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	ICP1.0	.000000	-.005998	.005998
		ICP1.1B	20.0000	20.6664	-.666445
		ICP1.1A	200.000	193.336	6.66446
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	ICP1.0	.000000	-.000001	.000001
		ICP1.2	500.000	500.000	.000031
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	ICP1.0	.000000	-.000000	.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	ICP1.0	.000000	.000000	-.000000
		ICP1.2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	ICP1.0	.000000	-.011337	.011337
		ICP1.1B	25.0000	26.2596	-1.25965
		ICP1.1A	250.000	237.403	12.5965
CorCoef:	0.99995				

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	ICP1.0	.000000	.000000	-.000000
		ICP1.2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	ICP1.0	.000000	-.000410	.000410
		ICP1.1B	2.00000	2.04556	-.045556
		ICP1.1A	20.0000	19.5444	.455561
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	ICP1.0	.000000	-.001568	.001568
		ICP1.1B	25.0000	25.1742	-.174213
		ICP1.1A	250.000	248.258	1.74214
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	ICP1.0	.000000	-.000577	.000577
		ICP1.1B	2.00000	2.06406	-.064062
		ICP1.1A	20.0000	19.3594	.640623
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	ICP1.0	.000000	.000000	-.000000
		ICP1.2	100.000	100.000	-.000008
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	ICP1.0	.000000	-.001371	.001371
		ICP1.1B	5.00000	5.15237	-.152370
		ICP1.1A	50.0000	48.4763	1.52369
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	50.0000	.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ru	240.271	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb	206.838	ICP1.0	.000000	.000000	-.000000
		ICP1.4	80.0000	80.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se	196.026	ICP1.0	.000000	.000000	-.000000
		ICP1.7	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si	288.100	ICP1.0	.000000	-.000000	.000000
		ICP1.6	200.000	200.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn	242.950	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	56.7845	-6.78455
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	ICP1.0	.000000	-.000068	.000068
		ICP1.1B	1.00000	1.00754	-.007537
		ICP1.1A	10.0000	9.92462	.075376
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te	214.275	ICP1.0	.000000	-.000000	.000000
		ICP1.6	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th	283.730	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti	334.900	ICP1.0	.000000	-.000096	.000096
		ICP1.1B	2.00000	2.01069	-.010686
		ICP1.1A	20.0000	19.8931	.106859
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl	190.864	ICP1.0	.000000	-.000000	.000000
		ICP1.7	20.0000	20.0000	-.000002
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U	378.280	ICP1.0	.000000	-.000000	.000000
		ICP1.5	500.000	500.000	.000031
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	ICP1.0	.000000	.000000	-.000000
		ICP1.4	20.0000	20.0000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W	224.875	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	50.6947	-.694698
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	ICP1.0	.000000	-.000000	.000000
		ICP1.4	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	ICP1.0	.000000	-.000473	.000473
		ICP1.1B	2.00000	2.05251	-.052513
		ICP1.1A	20.0000	19.4749	.525131
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	ICP1.0	.000000	-.000731	.000731
		ICP1.1B	5.00000	5.08123	-.081229
		ICP1.1A	50.0000	49.1877	.812286
CorCoef:	0.99999				

Analysis Report Fri 03-08-96 09:56:28 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/08/96 09:55:09
Comment: (FIELD BLANKS BX104 CORE 126/127)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0079	.0084	.0018	-.0003	.0001	.0162
SDev	.0005	.0027	.0110	.0017	.0001	.0000	.0060
%RSD	33.33	34.88	130.4	94.87	27.70	37.40	36.96
#1	.0016	.0089	-.0036	-.0002	-.0003	.0001	.0175
#2	.0009	.0048	.0179	.0028	-.0003	.0001	.0097
#3	.0019	.0100	.0110	.0028	-.0002	.0001	.0214

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0098	.0171	.0057	-.0004	.0002	-.0009	.0001
SDev	.0004	.0205	.0008	.0002	.0006	.0006	.0005
%RSD	3.922	119.8	13.38	53.70	255.7	62.07	394.5
#1	.0102	.0094	.0057	-.0002	.0008	-.0003	.0001
#2	.0096	.0016	.0065	-.0006	.0002	-.0012	-.0004
#3	.0095	.0403	.0050	-.0005	-.0003	-.0013	.0007

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	-.0067	-.0372	.0012	-.0021	-.0035	-.0023
SDev	.0002	.0005	.0929	.0006	.0011	.0070	.0003
%RSD	46.67	8.174	249.8	46.74	53.29	200.3	11.57
#1	.0003	-.0072	.0372	.0019	-.0027	-.0047	-.0022
#2	.0004	-.0067	-.1413	.0008	-.0027	-.0098	-.0026
#3	.0007	-.0061	-.0074	.0011	-.0008	.0040	-.0022

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0059	.0020	.0005	-.0054	.0042	.0394
SDev	.0008	.0141	.0072	.0021	.0036	.0070	.0036
%RSD	50.27	239.4	355.9	449.8	65.74	164.6	9.039
#1	.0008	.0040	.0038	.0005	-.0095	.0005	.0380
#2	.0015	-.0072	-.0059	.0025	-.0029	-.0001	.0368
#3	.0023	.0209	.0082	-.0016	-.0038	.0123	.0435

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0222	.0005	-.0028	.0163	.0788	.0249	.0002
SDev	.0041	.0025	.0052	.0076	.0059	.0075	.0001
%RSD	18.41	457.3	185.8	46.61	7.425	30.20	39.51
#1	.0269	.0033	-.0008	.0178	.0854	.0298	.0002
#2	.0192	-.0004	-.0088	.0081	.0765	.0288	.0001
#3	.0205	-.0013	.0011	.0231	.0744	.0163	.0002

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0162	.0007	.0001	.0071	.0168	.0001	.0256
SDev	.0052	.0024	.0003	.0053	.0140	.0003	.0031

%RSD	31.93	338.2	209.1	74.45	83.23	448.0	11.97
#1	.0132	.0029	.0001	.0092	.0106	-.0001	.0273
#2	.0132	-.0019	-.0001	.0109	.0070	-.0001	.0275
#3	.0221	.0011	.0004	.0011	.0327	.0004	.0221

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0000	-.0021	-.0012
SDev	.0002	.0006	.0004
%RSD	1096.	29.58	31.38
#1	-.0001	-.0028	-.0016
#2	-.0001	-.0017	-.0011
#3	.0002	-.0018	-.0009

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Method: ICP1A Sample Name: 96-2617-BLK Operator: DRS
Run Time: 03/08/96 10:54:49
Comment: KOH/Ni FUSION PROCESS BLANK (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	.1587	.0250	.0013	.0025	.0001	.0364
SDev	.0007	.0045	.0145	.0022	.0002	.0000	.0033
%RSD	17.60	2.829	58.09	164.0	9.321	2.927	8.948
#1	.0047	.1561	.0289	.0025	.0024	.0001	.0396
#2	.0033	.1561	.0089	-.0012	.0024	.0001	.0366
#3	.0043	.1638	.0372	.0027	.0028	.0001	.0331

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3916	-.0028	.0254	.0071	.0028	.0072	.0036
SDev	.0007	.0058	.0006	.0003	.0003	.0004	.0005
%RSD	.1776	203.5	2.415	4.130	9.150	5.862	14.83
#1	.3918	-.0053	.0254	.0069	.0025	.0068	.0030
#2	.3922	.0038	.0247	.0074	.0029	.0072	.0040
#3	.3909	-.0070	.0259	.0070	.0030	.0077	.0038

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0266	2431.	.0062	.0038	.0948	.0517
SDev	.0001	.0008	9.	.0019	.0018	.0082	.0005
%RSD	7.518	3.023	.3863	30.02	47.32	8.604	.9231
#1	.0015	.0272	2426.	.0054	.0030	.0909	.0513
#2	.0013	.0269	2441.	.0050	.0025	.0893	.0522
#3	.0015	.0257	2424.	.0084	.0058	.1042	.0516

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	1.076	.0216	.7585	.0484	.0311	.0716
SDev	.0011	.011	.0040	.0060	.0209	.0056	.0111
%RSD	12.72	1.045	18.66	.7906	43.26	18.06	15.47
#1	.0071	1.076	.0258	.7571	.0358	.0309	.0601
#2	.0088	1.065	.0177	.7651	.0725	.0256	.0725
#3	.0090	1.088	.0214	.7533	.0368	.0368	.0821

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0327	.0149	.0169	.0493	.3885	.1156	.0029
SDev	.0086	.0017	.0129	.0058	.0020	.0293	.0001
%RSD	26.11	11.46	76.18	11.84	.5198	25.32	2.450
#1	.0297	.0132	.0031	.0549	.3896	.0982	.0029
#2	.0261	.0166	.0190	.0433	.3862	.0991	.0028
#3	.0424	.0149	.0285	.0497	.3897	.1493	.0029

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0322	.0047	.0045	.0095	.3620	.0028	.0153
SDev	.0083	.0052	.0003	.0123	.0349	.0001	.0072

%RSD	25.89	110.1	6.222	129.5	9.645	2.554	46.94
#1	.0275	.0106	.0045	.0237	.3245	.0028	.0236
#2	.0272	.0008	.0042	.0024	.3680	.0029	.0113
#3	.0418	.0028	.0048	.0024	.3936	.0028	.0110

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0010	.0038	.0030
SDev	.0003	.0001	.0008
%RSD	32.28	1.578	26.25
#1	.0007	.0038	.0022
#2	.0010	.0039	.0029
#3	.0013	.0038	.0038

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Method: ICP1A Sample Name: 96-2617 @5 (F) Operator: DRS
Run Time: 03/08/96 10:59:13
Comment: 118.COMP.F @5X DIL (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0041	1.160	-.0077	-.0076	.0020	-.0001	1.512
SDev	.0002	.004	.0076	.0013	.0000	.0000	.012
%RSD	4.581	.3816	99.01	16.67	.0000	3.797	.8236
#1	-.0043	1.165	-.0080	-.0062	.0020	-.0001	1.515
#2	-.0039	1.156	-.0152	-.0079	.0020	-.0001	1.523
#3	-.0041	1.158	.0001	-.0087	.0020	-.0001	1.499

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1037	-.0101	-.0222	-.0029	.1104	-.0053	-.0046
SDev	.0010	.0007	.0034	.0001	.0018	.0004	.0005
%RSD	.9242	6.818	15.40	4.986	1.588	8.308	10.32
#1	.1046	-.0104	-.0225	-.0028	.1124	-.0051	-.0048
#2	.1038	-.0105	-.0187	-.0031	.1090	-.0058	-.0049
#3	.1027	-.0093	-.0255	-.0029	.1098	-.0051	-.0040

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.7720	494.8	-.0062	.0047	.0139	.0141
SDev	.0002	.0017	1.6	.0001	.0003	.0066	.0001
%RSD	19.55	.2225	.3221	1.693	5.773	47.40	.4886
#1	-.0010	.7738	496.6	-.0061	.0044	.0149	.0142
#2	-.0012	.7720	493.5	-.0063	.0049	.0200	.0140
#3	-.0008	.7704	494.1	-.0061	.0049	.0069	.0141

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	7.312	-.0247	.2165	1.686	-.0175	-.0585
SDev	.0000	.051	.0039	.0012	.052	.0063	.0040
%RSD	.9407	.6971	15.82	.5531	3.088	35.72	6.785
#1	.0011	7.349	-.0209	.2172	1.711	-.0226	-.0624
#2	.0012	7.254	-.0287	.2172	1.626	-.0105	-.0586
#3	.0012	7.332	-.0244	.2151	1.722	-.0195	-.0545

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0306	-.0116	-.0212	-.0065	.5775	-.1173	.0109
SDev	.0020	.0018	.0083	.0036	.0023	.0161	.0000
%RSD	6.644	15.86	39.15	55.71	.4052	13.74	.0044
#1	-.0293	-.0137	-.0306	-.0029	.5762	-.1335	.0109
#2	-.0330	-.0104	-.0149	-.0101	.5802	-.1013	.0109
#3	-.0295	-.0106	-.0181	-.0064	.5761	-.1172	.0109

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0162	-.0003	-.0007	-.0167	-.3055	-.0031	-.0071
SDev	.0008	.0048	.0002	.0120	.0611	.0005	.0108

%RSD	4.662	1722.	36.72	72.15	19.99	16.73	152.6
#1	-.0171	-.0009	-.0004	-.0270	-.2813	-.0036	-.0142
#2	-.0160	.0047	-.0007	-.0035	-.3749	-.0025	-.0124
#3	-.0156	-.0047	-.0008	-.0196	-.2602	-.0032	.0053

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0017	-.0000	-.0008
SDev	.0004	.0009	.0004
%RSD	22.31	3374.	45.79
#1	-.0013	-.0002	-.0005
#2	-.0019	-.0009	-.0012
#3	-.0020	.0010	-.0008

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Method: ICP1A Sample Name: 96-2617 (F) Operator: DRS
Run Time: 03/08/96 11:02:50
Comment: 118.COMP.F (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	5.688	.0245	.0065	.0078	.0001	7.532
SDev	.0011	.006	.0120	.0019	.0003	.0000	.035
%RSD	23.94	.1074	49.04	29.88	3.473	30.81	.4709
#1	.0038	5.682	.0376	.0055	.0081	.0001	7.492
#2	.0038	5.688	.0220	.0088	.0075	.0001	7.561
#3	.0056	5.694	.0139	.0053	.0078	.0001	7.542

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4608	-.0021	.0552	.0081	.5585	.0072	.0044
SDev	.0007	.0067	.0022	.0006	.0039	.0013	.0003
%RSD	.1525	319.0	3.929	6.870	.7032	17.48	7.729
#1	.4602	.0045	.0569	.0086	.5596	.0057	.0048
#2	.4608	-.0020	.0558	.0075	.5617	.0079	.0042
#3	.4616	-.0089	.0527	.0082	.5541	.0079	.0043

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	3.793	2369.	.0084	.0504	.1226	.0807
SDev	.0001	.006	3.	.0012	.0013	.0039	.0006
%RSD	5.631	.1452	.1229	14.45	2.488	3.197	.7066
#1	.0021	3.787	2366.	.0092	.0513	.1204	.0802
#2	.0023	3.794	2371.	.0070	.0490	.1203	.0807
#3	.0023	3.798	2371.	.0090	.0509	.1271	.0813

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0202	35.28	.0271	1.061	8.573	.0545	.0903
SDev	.0014	.05	.0048	.008	.037	.0023	.0031
%RSD	7.020	.1479	17.55	.7569	.4369	4.182	3.448
#1	.0205	35.22	.0296	1.064	8.549	.0548	.0881
#2	.0214	35.32	.0216	1.052	8.553	.0566	.0939
#3	.0186	35.30	.0301	1.068	8.616	.0520	.0890

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0456	.0200	.0271	.0631	2.874	.1773	.0532
SDev	.0035	.0016	.0102	.0076	.004	.0077	.0002
%RSD	7.731	7.765	37.67	12.06	.1396	4.333	.3517
#1	.0453	.0194	.0314	.0646	2.872	.1862	.0530
#2	.0422	.0189	.0154	.0699	2.871	.1737	.0531
#3	.0493	.0218	.0344	.0548	2.878	.1722	.0534

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0442	.0048	.0066	.0292	.8457	.0044	.0180
SDev	.0022	.0078	.0003	.0015	.0541	.0001	.0053

%RSD	4.880	161.8	3.886	5.050	6.397	3.310	29.35
#1	.0439	.0021	.0063	.0306	.8993	.0046	.0234
#2	.0422	-.0012	.0067	.0295	.8466	.0043	.0128
#3	.0465	.0136	.0066	.0276	.7911	.0044	.0179

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0013	.0184	.0189
SDev	.0002	.0010	.0006
%RSD	13.62	5.476	3.385
#1	.0014	.0178	.0188
#2	.0014	.0178	.0196
#3	.0011	.0196	.0183

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Method: ICP1A Sample Name: 96-2614 PSA (F) Operator: DRS
Run Time: 03/08/96 11:06:37
Comment: 118.COMP.F POST SPIKE A (MCVA1(BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2182	7.700	1.311	1.014	.2441	.0472	15.67
SDev	.0032	.019	.011	.006	.0010	.0001	.03
%RSD	1.472	.2516	.8506	.5548	.3992	.1827	.1975
#1	.2145	7.684	1.305	1.007	.2430	.0471	15.68
#2	.2200	7.694	1.324	1.019	.2444	.0472	15.64
#3	.2201	7.721	1.304	1.015	.2449	.0473	15.70

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.55	.2383	.0008	.4928	.7644	.4731	-.0028
SDev	.03	.0015	.0057	.0017	.0051	.0021	.0003
%RSD	.2156	.6429	713.4	.3521	.6721	.4385	10.93
#1	12.52	.2378	.0054	.4928	.7696	.4714	-.0032
#2	12.56	.2400	.0025	.4911	.7593	.4724	-.0026
#3	12.57	.2370	-.0055	.4946	.7642	.4754	-.0028

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	11.81	1209.	-.0025	.9690	15.96	.2897
SDev	.0002	.03	3.	.0014	.0056	.06	.0010
%RSD	36.72	.2411	.2873	55.71	.5731	.3665	.3486
#1	.0008	11.78	1206.	-.0011	.9668	15.91	.2886
#2	.0008	11.80	1208.	-.0024	.9649	15.94	.2905
#3	.0004	11.84	1213.	-.0039	.9753	16.03	.2901

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5040	35.91	-.0146	1.021	6.614	1.231	-.0428
SDev	.0014	.23	.0020	.010	.081	.012	.0072
%RSD	.2767	.6382	13.51	1.026	1.221	.9841	16.75
#1	.5055	35.74	-.0155	1.015	6.593	1.229	-.0433
#2	.5027	35.82	-.0160	1.015	6.545	1.220	-.0354
#3	.5037	36.17	-.0124	1.033	6.703	1.244	-.0497

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0188	.0025	1.276	1.290	10.69	.0941	.2731
SDev	.0017	.0022	.010	.024	.02	.0238	.0009
%RSD	9.223	88.54	.7665	1.868	.2050	25.30	.3482
#1	-.0175	.0023	1.278	1.289	10.67	.1198	.2723
#2	-.0182	.0004	1.285	1.266	10.68	.0898	.2728
#3	-.0208	.0047	1.265	1.314	10.71	.0728	.2742

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0240	.0268	.4877	1.223	-.0004	.4912	.0225
SDev	.0056	.0029	.0013	.012	.0255	.0015	.0044

%RSD	23.18	10.64	.2751	.9441	6751.	.3089	19.39
#1	.0186	.0251	.4865	1.212	.0095	.4904	.0185
#2	.0297	.0252	.4875	1.222	.0187	.4902	.0218
#3	.0235	.0301	.4891	1.235	-.0293	.4930	.0271

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0007	.5030	.9787
SDev	.0003	.0023	.0039
%RSD	44.86	.4638	.3959
#1	-.0007	.5005	.9751
#2	-.0004	.5034	.9782
#3	-.0011	.5051	.9828

Analysis Report Fri 03-08-96 11:12:02 AM page 1

Method: ICP1A Sample Name: MCVA1 @2X Operator: DRS
Run Time: 03/08/96 11:10:43
Comment: MCVA1 960226I901 @2X DIL (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2385	4.935	1.292	1.024	.2493	.0475	12.11
SDev	.0011	.027	.011	.007	.0009	.0003	.10
%RSD	.4637	.5404	.8246	.6556	.3527	.6266	.8057
#1	.2398	4.965	1.281	1.030	.2502	.0478	12.22
#2	.2381	4.925	1.293	1.016	.2493	.0475	12.07
#3	.2377	4.915	1.302	1.025	.2484	.0472	12.03

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.47	.2474	-.0465	.4982	.5000	.4651	-.0072
SDev	.06	.0018	.0058	.0021	.0074	.0015	.0012
%RSD	.4965	.7308	12.37	.4231	1.485	.3145	16.12
#1	12.54	.2459	-.0522	.4998	.5081	.4667	-.0080
#2	12.47	.2494	-.0466	.4989	.4934	.4648	-.0077
#3	12.41	.2468	-.0407	.4958	.4986	.4638	-.0059

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	10.13	12.23	-.0094	.9840	16.26	.2525
SDev	.0003	.06	.08	.0016	.0122	.08	.0013
%RSD	29.24	.5632	.6904	16.79	1.243	.5141	.5183
#1	-.0013	10.19	12.17	-.0097	.9980	16.35	.2540
#2	-.0007	10.12	12.33	-.0108	.9781	16.25	.2523
#3	-.0010	10.07	12.19	-.0077	.9758	16.18	.2514

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5000	18.49	-.0415	.5153	2.413	1.204	-.1222
SDev	.0020	.16	.0058	.0031	.021	.005	.0112
%RSD	.3977	.8508	13.96	.6084	.8651	.3987	9.177
#1	.5015	18.62	-.0474	.5140	2.414	1.207	-.1311
#2	.5007	18.54	-.0413	.5189	2.392	1.198	-.1258
#3	.4977	18.32	-.0358	.5130	2.434	1.206	-.1096

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0555	-.0125	1.266	1.264	9.315	-.0583	.2540
SDev	.0094	.0020	.012	.017	.046	.0320	.0019
%RSD	16.96	16.04	.9198	1.320	.4945	54.90	.7630
#1	-.0629	-.0125	1.275	1.277	9.362	-.0858	.2562
#2	-.0587	-.0105	1.270	1.245	9.314	-.0660	.2536
#3	-.0449	-.0146	1.253	1.270	9.270	-.0231	.2524

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0061	.0241	.4928	1.217	-.5777	.4966	.0067
SDev	.0095	.0028	.0033	.013	.1293	.0022	.0098

WHC-SD-WM-DP-170, REV. 1

%RSD	154.9	11.49	.6722	1.056	22.39	.4504	146.4
#1	-.0047	.0269	.4960	1.208	-.7266	.4991	.0180
#2	-.0163	.0214	.4930	1.232	-.5128	.4951	.0020
#3	.0026	.0241	.4894	1.212	-.4936	.4954	.0001

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0019	.4985	.9852
SDev	.0005	.0049	.0056
%RSD	23.68	.9888	.5660
#1	-.0023	.5042	.9913
#2	-.0021	.4963	.9839
#3	-.0014	.4951	.9804

Analysis Report Fri 03-08-96 11:15:42 AM page 1

Method: ICP1A Sample Name: 96-2617-DUP (F) Operator: DRS
Run Time: 03/08/96 11:14:23
Comment: 118.COMP.F-DUPLICATE (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	6.679	.0412	.0142	.0095	.0002	8.573
SDev	.0004	.039	.0085	.0013	.0002	.0000	.046
%RSD	6.866	.5893	20.71	8.820	1.644	13.94	.5333
#1	.0058	6.636	.0337	.0139	.0097	.0002	8.521
#2	.0057	6.687	.0504	.0155	.0094	.0002	8.589
#3	.0051	6.713	.0394	.0131	.0094	.0002	8.608

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5261	-.0016	.0579	.0126	.6377	.0130	.0049
SDev	.0018	.0077	.0069	.0004	.0033	.0006	.0010
%RSD	.3322	472.4	11.92	2.853	.5128	5.002	21.01
#1	.5245	.0067	.0621	.0125	.6339	.0135	.0050
#2	.5280	-.0029	.0617	.0130	.6393	.0133	.0059
#3	.5259	-.0086	.0499	.0123	.6398	.0123	.0038

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	4.283	2367.	.0092	.0570	.1648	.0893
SDev	.0002	.024	15.	.0019	.0017	.0052	.0009
%RSD	9.043	.5514	.6254	20.20	2.996	3.162	.9946
#1	.0027	4.257	2350.	.0108	.0565	.1684	.0883
#2	.0027	4.290	2372.	.0095	.0589	.1673	.0897
#3	.0023	4.303	2378.	.0072	.0556	.1588	.0899

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0220	40.27	.0342	1.101	9.801	.0660	.1096
SDev	.0006	.25	.0018	.010	.012	.0107	.0109
%RSD	2.934	.6209	5.167	.8782	.1247	16.28	9.921
#1	.0217	40.00	.0350	1.090	9.791	.0696	.1208
#2	.0215	40.35	.0355	1.104	9.796	.0539	.1088
#3	.0227	40.48	.0322	1.108	9.814	.0745	.0991

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0510	.0214	.0317	.0792	3.594	.1828	.0604
SDev	.0051	.0034	.0049	.0075	.022	.0198	.0003
%RSD	10.03	16.04	15.39	9.516	.6189	10.83	.4225
#1	.0558	.0237	.0359	.0872	3.569	.1837	.0601
#2	.0514	.0231	.0328	.0782	3.604	.2021	.0605
#3	.0456	.0174	.0264	.0723	3.610	.1625	.0606

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0470	.0028	.0097	.0299	.9422	.0064	.0250
SDev	.0074	.0010	.0003	.0036	.0622	.0002	.0048

%RSD	15.78	34.30	3.504	12.01	6.598	2.641	19.06
#1	.0549	.0038	.0101	.0338	1.014	.0062	.0231
#2	.0460	.0018	.0094	.0290	.9122	.0065	.0214
#3	.0401	.0030	.0096	.0268	.9007	.0064	.0304

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0014	.0226	.0215
SDev	.0002	.0008	.0004
%RSD	14.75	3.509	1.707
#1	.0013	.0232	.0219
#2	.0017	.0217	.0213
#3	.0014	.0230	.0213

Analysis Report Fri 03-08-96 11:19:33 AM page 1

Method: ICP1A Sample Name: 96-2617-DUP PSB (F) Operator: DRS
Run Time: 03/08/96 11:18:14
Comment: 118.COMP.F-DUP POST SPIKE B (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	3.290	.1775	.0816	.0032	.0003	4.292
SDev	.0005	.010	.0089	.0015	.0001	.0001	.026
%RSD	24.79	.3031	5.003	1.880	2.414	16.12	.6146
#1	-.0027	3.279	.1832	.0826	.0033	.0004	4.265
#2	-.0018	3.295	.1673	.0798	.0032	.0003	4.293
#3	-.0018	3.297	.1820	.0823	.0032	.0003	4.318

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2696	-.0071	1.009	.0043	.3241	.0142	.9870
SDev	.0021	.0019	.004	.0006	.0019	.0011	.0032
%RSD	.7775	27.45	.4377	14.87	.5987	8.047	.3194
#1	.2672	-.0053	1.005	.0037	.3260	.0155	.9839
#2	.2707	-.0067	1.009	.0043	.3222	.0139	.9869
#3	.2709	-.0091	1.013	.0050	.3242	.0133	.9902

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9935	2.139	1190.	.4977	.0246	.0028	.0432
SDev	.0030	.007	3.	.0008	.0015	.0094	.0002
%RSD	.3014	.3222	.2891	.1619	6.182	338.4	.4579
#1	.9910	2.133	1186.	.4973	.0229	.0134	.0435
#2	.9927	2.137	1190.	.4971	.0257	-.0008	.0432
#3	.9968	2.146	1193.	.4986	.0253	-.0043	.0431

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0127	20.28	.9781	.5649	4.854	.1332	.9134
SDev	.0004	.12	.0076	.0057	.004	.0045	.0104
%RSD	3.420	.5744	.7729	1.011	.0865	3.366	1.139
#1	.0128	20.15	.9704	.5590	4.858	.1368	.9125
#2	.0131	20.30	.9855	.5704	4.853	.1346	.9035
#3	.0123	20.38	.9784	.5652	4.850	.1282	.9243

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9965	1.014	.0539	.0760	4.444	1.101	.0314
SDev	.0081	.003	.0073	.0073	.120	.023	.0002
%RSD	.8169	.2877	13.49	9.647	2.700	2.059	.5936
#1	.9884	1.012	.0455	.0729	4.323	1.091	.0312
#2	.9965	1.017	.0576	.0708	4.446	1.126	.0314
#3	1.005	1.013	.0585	.0844	4.563	1.084	.0316

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9911	4.956	.0052	.0187	11.90	.0011	1.013
SDev	.0023	.012	.0003	.0045	.14	.0001	.026

%RSD	.2304	.2472	5.399	24.26	1.186	12.63	2.600
#1	.9895	4.945	.0049	.0153	11.74	.0010	1.044
#2	.9900	4.969	.0055	.0170	11.94	.0011	1.001
#3	.9937	4.955	.0053	.0238	12.01	.0012	.9956

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.4879	.0124	-.0222
SDev	.0023	.0005	.0013
%RSD	.4777	4.049	5.719
#1	.4855	.0123	-.0226
#2	.4881	.0120	-.0232
#3	.4902	.0129	-.0207

Analysis Report Fri 03-08-96 11:23:22 AM page 1

Method: ICP1A Sample Name: MCVB2 @2 Operator: DRS
Run Time: 03/08/96 11:22:03
Comment: MCVB2 9602211901 @2X DIL (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0071	-.0295	.1436	.0744	-.0002	.0003	.0319
SDev	.0006	.0022	.0119	.0037	.0001	.0000	.0087
%RSD	8.373	7.574	8.302	4.909	70.54	10.64	27.18
#1	-.0066	-.0286	.1330	.0702	-.0002	.0002	.0367
#2	-.0069	-.0321	.1565	.0756	-.0001	.0002	.0372
#3	-.0078	-.0279	.1414	.0772	-.0003	.0003	.0219

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0049	.9888	-.0039	.0012	.0064	1.009
SDev	.0001	.0040	.0038	.0004	.0015	.0014	.004
%RSD	16.09	81.40	.3883	9.164	122.5	21.22	.3977
#1	.0006	-.0010	.9849	-.0035	.0025	.0072	1.004
#2	.0006	-.0090	.9926	-.0041	.0015	.0048	1.010
#3	.0008	-.0046	.9889	-.0042	-.0004	.0072	1.011

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.023	-.0014	-1.257	.5004	-.0073	-.0810	-.0027
SDev	.004	.0004	.112	.0031	.0017	.0054	.0003
%RSD	.3888	28.22	8.876	.6123	22.90	6.625	10.13
#1	1.018	-.0016	-1.145	.4969	-.0055	-.0754	-.0025
#2	1.023	-.0009	-1.257	.5024	-.0074	-.0813	-.0030
#3	1.026	-.0016	-1.368	.5019	-.0088	-.0862	-.0026

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0640	.9778	.0191	.0508	.1062	.8922
SDev	.0003	.0057	.0051	.0036	.0257	.0046	.0019
%RSD	10.97	8.864	.5239	18.86	50.66	4.308	.2162
#1	.0024	.0697	.9785	.0167	.0433	.1044	.8918
#2	.0021	.0639	.9724	.0174	.0296	.1114	.8905
#3	.0026	.0583	.9826	.0233	.0794	.1028	.8943

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9835	1.018	.0334	.0405	2.997	.9644	.0009
SDev	.0043	.004	.0076	.0109	.127	.0139	.0001
%RSD	.4351	.3773	22.61	26.95	4.223	1.445	7.782
#1	.9788	1.014	.0343	.0473	2.870	.9798	.0010
#2	.9872	1.021	.0254	.0463	2.997	.9528	.0010
#3	.9846	1.020	.0404	.0279	3.123	.9606	.0008

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9734	5.060	-.0003	-.0009	11.62	-.0042	.9973
SDev	.0042	.019	.0002	.0083	.08	.0006	.0160

%RSD	.4307	.3701	77.28	886.8	.6886	13.78	1.607
#1	.9775	5.039	-.0002	.0040	11.53	-.0036	1.014
#2	.9692	5.075	-.0005	.0037	11.63	-.0048	.9819
#3	.9736	5.065	-.0002	-.0105	11.69	-.0041	.9962

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.4960	-.0016	-.0327
SDev	.0018	.0003	.0009
%RSD	.3718	20.70	2.714
#1	.4942	-.0019	-.0334
#2	.4959	-.0016	-.0329
#3	.4979	-.0012	-.0317

Analysis Report QC Standard Fri 03-08-96 11:30:32 AM page 1

Method: ICP1A Sample Name: QC_MCVA1 960226I901 Operator: DRS PASS 3/6/96 DM
Run Time: 03/08/96 11:29:14
Comment: (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4806	9.898	2.555	2.059	.5001	.0947	24.17
SDev	.0003	.009	.008	.009	.0011	.0001	.06
%RSD	.0582	.0885	.3030	.4223	.2298	.0853	.2443
#1	.4807	9.908	2.561	2.059	.5014	.0948	24.17
#2	.4807	9.895	2.546	2.067	.4996	.0946	24.23
#3	.4802	9.891	2.557	2.050	.4992	.0947	24.12
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.80	.4810	-.0523	.9932	.9945	.9480	-.0094
SDev	.03	.0025	.0019	.0020	.0082	.0023	.0003
%RSD	.1090	.5165	3.551	.2058	.8200	.2397	2.657
#1	24.84	.4824	-.0504	.9956	.9984	.9478	-.0092
#2	24.79	.4824	-.0541	.9918	.9999	.9504	-.0097
#3	24.79	.4781	-.0526	.9923	.9851	.9458	-.0095
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	20.15	22.86	-.0098	1.967	32.17	.5054
SDev	.0001	.03	.07	.0008	.004	.06	.0006
%RSD	15.36	.1350	.3136	8.000	.1947	.1719	.1123
#1	-.0009	20.18	22.83	-.0095	1.971	32.23	.5060
#2	-.0007	20.13	22.94	-.0107	1.963	32.16	.5053
#3	-.0007	20.14	22.81	-.0092	1.968	32.12	.5049
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.001	37.12	-.0577	1.007	4.746	2.409	-.1700
SDev	.003	.06	.0011	.006	.056	.008	.0091
%RSD	.2936	.1664	1.928	.5669	1.183	.3439	5.336
#1	1.004	37.19	-.0576	1.001	4.789	2.400	-.1705
#2	.9981	37.09	-.0589	1.007	4.682	2.412	-.1606
#3	1.001	37.08	-.0566	1.012	4.766	2.416	-.1788
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0741	-.0094	2.534	2.510	18.47	-.0114	.5119
SDev	.0037	.0044	.013	.036	.02	.0370	.0008
%RSD	4.944	46.86	.4955	1.431	.1024	325.7	.1593
#1	-.0764	-.0048	2.547	2.528	18.49	-.0146	.5128
#2	-.0699	-.0098	2.522	2.469	18.47	.0272	.5114
#3	-.0761	-.0136	2.534	2.534	18.45	-.0467	.5115
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0444	.9916	2.441	-.8094	.9970	.0269
SDev	.0086	.0066	.0010	.005	.0178	.0022	.0146
%RSD	186.7	14.90	.1045	.1871	2.195	.2157	54.09
#1	-.0034	.0445	.9927	2.436	-.8298	.9991	.0393
#2	.0035	.0377	.9911	2.442	-.8012	.9948	.0109
#3	.0137	.0510	.9908	2.444	-.7972	.9970	.0305
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0023	.9828	1.990
SDev	.0002	.0069	.004
%RSD	8.650	.7077	.1950
#1	-.0022	.9905	1.994
#2	-.0025	.9770	1.988
#3	-.0022	.9808	1.987
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report Fri 03-08-96 11:34:39 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/08/96 11:33:20
Comment: MCV82 960221I901 @2X DIL (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0025	.0051	-.0039	-.0034	-.0005	.0001	.0121
SDev	.0005	.0035	.0159	.0010	.0002	.0000	.0078
%RSD	18.20	69.11	410.4	29.22	30.78	54.37	64.61
#1	-.0020	.0064	.0143	-.0036	-.0003	.0001	.0181
#2	-.0028	.0077	-.0113	-.0023	-.0006	.0001	.0032
#3	-.0028	.0011	-.0147	-.0043	-.0006	.0000	.0150

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0208	-.0119	-.0252	-.0016	.0026	-.0043	-.0034
SDev	.0025	.0009	.0077	.0003	.0004	.0013	.0004
%RSD	12.19	7.512	30.44	15.88	17.51	29.28	10.73
#1	.0224	-.0124	-.0180	-.0019	.0024	-.0035	-.0033
#2	.0220	-.0109	-.0243	-.0014	.0022	-.0037	-.0038
#3	.0179	-.0125	-.0332	-.0016	.0031	-.0058	-.0031

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0068	-1.294	-.0048	-.0046	.0047	-.0023
SDev	.0002	.0016	.127	.0013	.0013	.0086	.0001
%RSD	32.21	24.28	9.804	27.79	27.37	182.6	5.941
#1	-.0004	.0083	-1.190	-.0033	-.0032	.0141	-.0022
#2	-.0008	.0071	-1.257	-.0057	-.0051	.0031	-.0025
#3	-.0008	.0050	-1.435	-.0054	-.0055	-.0030	-.0023

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0080	-.0249	.0042	-.0121	-.0149	-.0420
SDev	.0013	.0065	.0072	.0020	.0224	.0034	.0125
%RSD	186.6	81.09	28.88	48.81	184.3	22.57	29.82
#1	.0003	.0154	-.0175	.0056	.0128	-.0132	-.0308
#2	-.0004	.0043	-.0318	.0050	-.0305	-.0126	-.0555
#3	.0022	.0042	-.0253	.0018	-.0187	-.0187	-.0397

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0242	-.0103	-.0173	-.0020	.0404	-.1085	.0003
SDev	.0030	.0024	.0122	.0036	.0053	.0145	.0001
%RSD	12.53	22.98	70.58	183.7	13.22	13.33	35.41
#1	-.0210	-.0094	-.0119	.0015	.0464	-.0919	.0005
#2	-.0247	-.0129	-.0314	-.0057	.0384	-.1149	.0002
#3	-.0270	-.0085	-.0087	-.0017	.0363	-.1186	.0003

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0115	.0035	-.0009	-.0120	-.3639	-.0023	-.0060
SDev	.0049	.0048	.0005	.0026	.0628	.0006	.0082

%RSD	42.70	136.7	53.15	21.58	17.25	25.36	135.8
#1	-.0063	.0023	-.0005	-.0135	-.2974	-.0021	-.0108
#2	-.0121	.0088	-.0008	-.0090	-.4220	-.0018	.0034
#3	-.0161	-.0005	-.0014	-.0134	-.3724	-.0029	-.0107

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0014	-.0016	-.0026
SDev	.0002	.0005	.0007
%RSD	18.03	28.64	25.35
#1	-.0016	-.0022	-.0021
#2	-.0012	-.0015	-.0033
#3	-.0012	-.0013	-.0023

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Method: ICP1A Sample Name: 96-2618 (F) Operator: DRS
Run Time: 03/08/96 11:36:54
Comment: 119.COMP.F (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	7.162	.0329	.0135	.0094	.0002	8.441
SDev	.0004	.050	.0059	.0013	.0002	.0000	.050
%RSD	8.409	.6964	18.06	9.738	2.185	2.265	.5949
#1	.0057	7.106	.0397	.0150	.0097	.0002	8.385
#2	.0048	7.182	.0295	.0127	.0094	.0002	8.483
#3	.0053	7.199	.0294	.0128	.0093	.0002	8.455

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5436	-.0069	.0645	.0129	.5452	.0123	.0047
SDev	.0026	.0022	.0038	.0003	.0052	.0023	.0008
%RSD	.4754	31.42	5.926	2.435	.9438	18.85	16.16
#1	.5408	-.0045	.0680	.0130	.5463	.0149	.0050
#2	.5440	-.0076	.0650	.0125	.5396	.0114	.0038
#3	.5460	-.0086	.0604	.0131	.5497	.0105	.0052

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	4.915	2342.	.0086	.0153	.1434	.0991
SDev	.0002	.033	17.	.0021	.0016	.0037	.0009
%RSD	9.041	.6792	.7149	24.23	10.71	2.555	.9264
#1	.0026	4.876	2323.	.0110	.0163	.1475	.0981
#2	.0023	4.935	2352.	.0076	.0134	.1404	.0997
#3	.0023	4.933	2352.	.0072	.0163	.1423	.0997

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0195	35.05	.0305	1.033	8.598	.0719	.1039
SDev	.0007	.28	.0054	.005	.063	.0065	.0054
%RSD	3.577	.7904	17.75	.4928	.7358	9.045	5.204
#1	.0189	34.73	.0367	1.031	8.525	.0753	.1089
#2	.0202	35.26	.0285	1.039	8.636	.0760	.1046
#3	.0193	35.15	.0264	1.030	8.633	.0644	.0981

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0481	.0251	.0319	.0786	3.854	.2092	.0602
SDev	.0062	.0020	.0038	.0060	.018	.0485	.0004
%RSD	12.92	7.960	11.83	7.660	.4750	23.20	.6553
#1	.0548	.0273	.0322	.0767	3.833	.2094	.0597
#2	.0470	.0234	.0356	.0853	3.862	.1606	.0603
#3	.0425	.0247	.0280	.0737	3.866	.2577	.0605

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0549	.0080	.0127	.0291	.8828	.0057	.0280
SDev	.0058	.0056	.0001	.0062	.0223	.0005	.0079

%RSD	10.52	69.77	.9834	21.45	2.524	8.575	28.22
#1	.0616	.0142	.0128	.0260	.9004	.0062	.0356
#2	.0520	.0033	.0127	.0362	.8902	.0057	.0286
#3	.0512	.0066	.0126	.0250	.8577	.0052	.0198

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0014	.0228	.0188
SDev	.0000	.0020	.0007
%RSD	1.466	8.676	3.871
#1	.0013	.0207	.0192
#2	.0014	.0229	.0192
#3	.0014	.0247	.0179

Analysis Report Fri 03-08-96 11:41:49 AM page 1

Method: ICP1A Sample Name: 96-2618-DUP (F) Operator: DRS
Run Time: 03/08/96 11:40:29
Comment: 119.COMP.F DUPLICATE (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	8.186	.0400	.0138	.0102	.0002	9.746
SDev	.0010	.060	.0014	.0022	.0003	.0000	.079
%RSD	18.16	.7318	3.580	15.74	2.766	12.06	.8075
#1	.0044	8.254	.0389	.0163	.0099	.0002	9.830
#2	.0062	8.161	.0395	.0130	.0105	.0002	9.733
#3	.0059	8.142	.0416	.0122	.0101	.0002	9.675

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5676	-.0085	.0602	.0120	.6820	.0102	.0055
SDev	.0017	.0014	.0052	.0004	.0046	.0011	.0009
%RSD	.2985	16.11	8.624	3.791	.6726	11.11	16.44
#1	.5678	-.0098	.0547	.0116	.6873	.0091	.0044
#2	.5691	-.0071	.0650	.0118	.6797	.0103	.0059
#3	.5658	-.0085	.0608	.0125	.6790	.0113	.0061

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	6.051	2335.	.0090	.0182	.1422	.0977
SDev	.0003	.046	21.	.0020	.0017	.0063	.0003
%RSD	12.13	.7571	.8845	22.09	9.406	4.470	.3040
#1	.0023	6.103	2359.	.0067	.0177	.1349	.0981
#2	.0029	6.032	2327.	.0104	.0201	.1449	.0976
#3	.0028	6.017	2320.	.0100	.0167	.1467	.0976

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0230	43.06	.0335	.5492	10.74	.0689	.0999
SDev	.0011	.51	.0091	.0071	.12	.0082	.0248
%RSD	4.675	1.173	27.25	1.290	1.155	11.87	24.82
#1	.0217	43.64	.0232	.5563	10.87	.0642	.0713
#2	.0237	42.80	.0365	.5421	10.63	.0783	.1155
#3	.0235	42.74	.0407	.5494	10.71	.0642	.1129

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0514	.0278	.0340	.0921	4.320	.2337	.0738
SDev	.0177	.0044	.0066	.0049	.027	.0253	.0006
%RSD	34.37	15.90	19.29	5.262	.6292	10.84	.7618
#1	.0318	.0239	.0312	.0960	4.351	.2046	.0744
#2	.0660	.0326	.0293	.0867	4.310	.2456	.0737
#3	.0565	.0268	.0415	.0938	4.300	.2509	.0733

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0586	.0125	.0107	.0317	.9664	.0063	.0167
SDev	.0037	.0029	.0006	.0047	.0603	.0004	.0056

%RSD	6.330	22.50	5.234	14.71	6.237	5.756	33.38
#1	.0573	.0116	.0100	.0336	.8973	.0059	.0129
#2	.0557	.0103	.0111	.0352	1.008	.0065	.0141
#3	.0628	.0157	.0108	.0264	.9941	.0064	.0231

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0016	.0251	.0210
SDev	.0003	.0012	.0006
%RSD	18.66	4.707	2.962
#1	.0014	.0264	.0208
#2	.0016	.0240	.0216
#3	.0020	.0248	.0204

Analysis Report Fri 03-08-96 11:45:27 AM page 1

Method: ICP1A Sample Name: SRM-2709 Operator: DRS
Run Time: 03/08/96 11:44:08
Comment: LCS BX112/CORECOMP (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	32.83	.0800	.0419	.4021	.0027	.0777
SDev	.0006	.40	.0028	.0014	.0047	.0000	.0065
%RSD	19.16	1.218	3.456	3.467	1.176	1.155	8.383
#1	.0040	32.38	.0811	.0435	.3967	.0027	.0849
#2	.0029	32.98	.0768	.0407	.4041	.0028	.0758
#3	.0030	33.14	.0820	.0415	.4055	.0027	.0723

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.032	-.0068	.0371	.0195	.0790	.0142	.0052
SDev	.083	.0016	.0066	.0007	.0034	.0026	.0013
%RSD	.9186	23.80	17.80	3.495	4.255	18.29	25.51
#1	8.937	-.0081	.0443	.0203	.0827	.0172	.0068
#2	9.071	-.0050	.0355	.0191	.0761	.0125	.0045
#3	9.089	-.0074	.0314	.0191	.0781	.0129	.0044

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	15.48	2363.	.0179	.0212	7.026	.3208
SDev	.0002	.17	29.	.0010	.0006	.077	.0035
%RSD	7.527	1.077	1.215	5.624	2.585	1.097	1.102
#1	.0030	15.29	2331.	.0191	.0215	6.938	.3168
#2	.0027	15.55	2373.	.0176	.0205	7.056	.3221
#3	.0027	15.60	2386.	.0172	.0215	7.083	.3235

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0132	6.425	.0331	2.492	.4182	.1412	.0729
SDev	.0005	.044	.0079	.033	.0432	.0076	.0195
%RSD	3.602	.6793	23.75	1.340	10.34	5.397	26.76
#1	.0131	6.377	.0417	2.454	.4095	.1496	.0954
#2	.0138	6.438	.0315	2.502	.4651	.1346	.0605
#3	.0128	6.461	.0262	2.519	.3799	.1395	.0628

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0388	.0299	.0683	.1840	124.4	.3228	.1041
SDev	.0077	.0034	.0115	.0033	1.3	.0336	.0013
%RSD	19.81	11.40	16.80	1.781	1.065	10.41	1.202
#1	.0468	.0311	.0746	.1848	122.9	.3569	.1027
#2	.0381	.0326	.0551	.1804	124.9	.3218	.1047
#3	.0315	.0261	.0753	.1869	125.3	.2898	.1050

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0928	.0260	1.378	.0646	.3502	.0545	.0394
SDev	.0106	.0089	.016	.0067	.1633	.0010	.0070

%RSD	11.42	34.45	1.175	10.39	46.65	1.819	17.76
#1	.0965	.0223	1.359	.0581	.5387	.0535	.0464
#2	.1011	.0362	1.384	.0715	.2509	.0546	.0324
#3	.0809	.0195	1.389	.0641	.2610	.0555	.0395

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0089	.0572	.0193
SDev	.0005	.0004	.0008
%RSD	5.496	.7030	4.373
#1	.0095	.0570	.0202
#2	.0086	.0569	.0186
#3	.0086	.0577	.0190

Analysis Report Fri 03-08-96 11:49:12 AM page 1

Method: ICP1A Sample Name: 96-3365 (F) Operator: DRS
Run Time: 03/08/96 11:47:53
Comment: 118.1A.F (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	6.502	.0369	.0088	.0076	.0001	7.408
SDev	.0008	.011	.0104	.0006	.0001	.0000	.003
%RSD	18.60	.1765	28.10	6.712	1.026	27.02	.0340
#1	.0035	6.489	.0459	.0095	.0075	.0001	7.410
#2	.0043	6.504	.0393	.0086	.0076	.0001	7.410
#3	.0051	6.512	.0256	.0083	.0076	.0001	7.405

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5235	-.0095	.0536	.0106	.5829	.0089	.0043
SDev	.0014	.0015	.0016	.0005	.0029	.0010	.0006
%RSD	.2739	15.68	2.956	4.347	.4886	11.80	13.10
#1	.5232	-.0112	.0529	.0109	.5805	.0088	.0037
#2	.5250	-.0088	.0525	.0107	.5822	.0080	.0044
#3	.5222	-.0085	.0554	.0101	.5861	.0101	.0048

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	3.663	2327.	.0084	.0011	.1351	.0874
SDev	.0001	.008	4.	.0005	.0009	.0033	.0002
%RSD	5.254	.2164	.1694	5.652	85.71	2.438	.1916
#1	.0021	3.655	2323.	.0087	.0021	.1313	.0872
#2	.0023	3.671	2330.	.0085	.0011	.1371	.0876
#3	.0023	3.664	2329.	.0078	.0002	.1369	.0874

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0192	35.55	.0257	.6873	9.319	.0508	.0875
SDev	.0013	.08	.0012	.0064	.030	.0033	.0048
%RSD	6.611	.2229	4.837	.9316	.3210	6.488	5.478
#1	.0177	35.46	.0255	.6824	9.292	.0470	.0824
#2	.0196	35.56	.0270	.6849	9.314	.0528	.0882
#3	.0201	35.62	.0246	.6945	9.351	.0525	.0919

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0414	.0213	.0259	.0729	3.331	.1918	.0546
SDev	.0033	.0020	.0028	.0060	.007	.0197	.0001
%RSD	8.009	9.442	10.77	8.301	.2060	10.28	.2242
#1	.0377	.0235	.0284	.0759	3.331	.2143	.0545
#2	.0425	.0196	.0229	.0768	3.338	.1832	.0547
#3	.0440	.0207	.0263	.0659	3.324	.1778	.0546

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0472	.0067	.0087	.0324	.8305	.0045	.0175
SDev	.0027	.0029	.0001	.0098	.0706	.0004	.0186

%RSD	5.781	42.67	1.352	30.26	8.503	9.016	106.0
#1	.0499	.0034	.0089	.0305	.9092	.0046	-.0013
#2	.0473	.0082	.0087	.0238	.8096	.0040	.0358
#3	.0444	.0085	.0087	.0431	.7727	.0048	.0180

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0011	.0085	.0212
SDev	.0004	.0006	.0004
%RSD	35.49	7.150	1.753
#1	.0007	.0092	.0208
#2	.0014	.0080	.0216
#3	.0011	.0084	.0212

Analysis Report Fri 03-08-96 11:52:49 AM page 1

Method: ICP1A Sample Name: 96-3365-DUP (F) Operator: DRS
Run Time: 03/08/96 11:51:31
Comment: 118.1A.F DUPLICATE (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	6.734	.0382	.0115	.0083	.0002	7.760
SDev	.0004	.019	.0092	.0024	.0001	.0000	.028
%RSD	6.252	.2754	24.20	21.08	1.624	19.41	.3629
#1	.0067	6.722	.0311	.0087	.0083	.0002	7.752
#2	.0064	6.755	.0349	.0125	.0085	.0001	7.791
#3	.0073	6.725	.0487	.0133	.0082	.0002	7.736

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4738	-.0081	.0753	.0127	.6093	.0115	.0074
SDev	.0006	.0015	.0036	.0006	.0043	.0001	.0001
%RSD	.1346	19.04	4.771	5.050	.7054	.5569	.8993
#1	.4731	-.0064	.0793	.0121	.6061	.0115	.0073
#2	.4742	-.0085	.0744	.0128	.6076	.0114	.0074
#3	.4741	-.0095	.0723	.0134	.6142	.0115	.0074

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	3.865	2264.	.0126	.0052	.1370	.0858
SDev	.0001	.008	4.	.0010	.0014	.0008	.0003
%RSD	3.370	.2197	.1633	8.036	26.24	.5593	.3748
#1	.0032	3.864	2263.	.0137	.0044	.1369	.0854
#2	.0032	3.874	2269.	.0117	.0068	.1379	.0860
#3	.0034	3.857	2262.	.0126	.0044	.1364	.0859

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0223	37.32	.0466	.5671	9.752	.0715	.1411
SDev	.0009	.10	.0019	.0052	.044	.0043	.0048
%RSD	3.931	.2650	4.052	.9172	.4508	6.005	3.400
#1	.0213	37.24	.0451	.5725	9.797	.0752	.1458
#2	.0225	37.43	.0459	.5666	9.749	.0668	.1362
#3	.0231	37.29	.0487	.5621	9.709	.0726	.1413

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0690	.0276	.0427	.0836	3.448	.2311	.0567
SDev	.0035	.0013	.0077	.0020	.005	.0165	.0002
%RSD	5.014	4.867	18.00	2.426	.1363	7.164	.3301
#1	.0668	.0265	.0435	.0859	3.451	.2381	.0567
#2	.0729	.0291	.0500	.0832	3.451	.2429	.0569
#3	.0672	.0273	.0347	.0819	3.443	.2122	.0565

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0645	.0054	.0097	.0327	1.147	.0065	.0282
SDev	.0021	.0117	.0002	.0064	.026	.0004	.0063

%RSD	3.287	214.6	1.608	19.48	2.267	5.530	22.51
#1	.0621	-.0080	.0095	.0302	1.156	.0062	.0212
#2	.0662	.0117	.0097	.0279	1.167	.0065	.0335
#3	.0650	.0126	.0099	.0399	1.117	.0069	.0300

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0022	.0086	.0215
SDev	.0003	.0004	.0007
%RSD	15.03	4.195	3.095
#1	.0025	.0089	.0222
#2	.0022	.0087	.0214
#3	.0019	.0082	.0209

Analysis Report Fri 03-08-96 11:56:48 AM page 1

Method: ICP1A Sample Name: 96-3366 (F) Operator: O
Run Time: 03/08/96 11:55:29
Comment: 118.1B.F (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	7.341	.0458	.0113	.0089	.0002	8.847
SDev	.0003	.036	.0069	.0007	.0004	.0000	.019
%RSD	4.578	.4888	14.99	6.160	4.034	15.05	.2185
#1	.0058	7.300	.0408	.0108	.0086	.0002	8.825
#2	.0055	7.366	.0430	.0110	.0087	.0002	8.856
#3	.0053	7.358	.0536	.0121	.0093	.0002	8.860

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5039	-.0001	.0681	.0140	.4647	.0120	.0065
SDev	.0037	.0027	.0022	.0007	.0005	.0011	.0005
%RSD	.7254	3277.	3.208	4.942	.1049	9.262	8.108
#1	.5003	-.0031	.0674	.0134	.4650	.0130	.0060
#2	.5040	.0006	.0706	.0147	.4641	.0122	.0064
#3	.5076	.0022	.0664	.0137	.4650	.0108	.0070

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	5.811	2256.	.0129	.0024	.1438	.0934
SDev	.0000	.027	9.	.0014	.0012	.0058	.0008
%RSD	.3875	.4567	.3884	10.44	50.33	4.044	.8448
#1	.0028	5.780	2246.	.0136	.0035	.1379	.0927
#2	.0028	5.823	2262.	.0114	.0025	.1495	.0932
#3	.0028	5.829	2260.	.0138	.0011	.1440	.0942

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0200	39.09	.0415	1.395	8.103	.0712	.1297
SDev	.0011	.14	.0035	.013	.002	.0039	.0094
%RSD	5.688	.3455	8.412	.9145	.0195	5.465	7.229
#1	.0187	38.96	.0403	1.385	8.104	.0751	.1200
#2	.0203	39.23	.0454	1.391	8.101	.0711	.1303
#3	.0210	39.08	.0387	1.409	8.103	.0673	.1388

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0659	.0290	.0403	.0802	4.478	.2528	.0552
SDev	.0010	.0022	.0124	.0015	.025	.0139	.0002
%RSD	1.536	7.409	30.77	1.847	.5473	5.494	.3837
#1	.0657	.0270	.0349	.0819	4.450	.2395	.0550
#2	.0650	.0313	.0315	.0793	4.490	.2516	.0553
#3	.0670	.0288	.0545	.0793	4.495	.2672	.0553

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0542	.0035	.0115	.0221	1.016	.0081	.0342
SDev	.0021	.0059	.0001	.0019	.073	.0004	.0062

%RSD	3.795	169.1	1.099	8.691	7.180	5.204	18.15
#1	.0565	.0102	.0116	.0219	1.007	.0076	.0407
#2	.0535	-.0008	.0114	.0242	.9475	.0083	.0283
#3	.0525	.0011	.0115	.0203	1.093	.0084	.0336

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0018	.0128	.0300
SDev	.0002	.0008	.0006
%RSD	9.405	6.238	2.015
#1	.0020	.0119	.0293
#2	.0016	.0133	.0303
#3	.0019	.0133	.0303

Analysis Report Fri 03-08-96 12:00:48 PM page 1

Method: ICP1A Sample Name: 96-3366-DUP (F) Operator: DRS
Run Time: 03/08/96 11:59:29
Comment: 118.1B.F DUPLICATE (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0073	8.001	.0382	.0057	.0130	.0002	9.557
SDev	.0004	.016	.0114	.0013	.0002	.0000	.041
%RSD	5.954	.1983	29.71	22.93	1.200	4.089	.4275
#1	.0078	8.018	.0428	.0054	.0129	.0002	9.604
#2	.0069	8.000	.0465	.0046	.0132	.0002	9.542
#3	.0073	7.986	.0253	.0071	.0129	.0002	9.526

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5386	-.0008	.0724	.0115	.4538	.0067	.0081
SDev	.0020	.0022	.0035	.0003	.0017	.0008	.0006
%RSD	.3646	269.0	4.828	2.715	.3665	11.20	6.790
#1	.5408	.0016	.0721	.0118	.4557	.0059	.0075
#2	.5380	-.0014	.0761	.0112	.4527	.0072	.0085
#3	.5370	-.0028	.0691	.0115	.4530	.0072	.0084

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	6.000	2196.	.0145	.0039	.1281	.1050
SDev	.0001	.024	6.	.0004	.0017	.0040	.0004
%RSD	3.164	.4043	.2922	2.608	43.27	3.149	.4247
#1	.0034	6.026	2202.	.0146	.0035	.1289	.1048
#2	.0036	5.995	2196.	.0141	.0025	.1317	.1055
#3	.0036	5.978	2189.	.0148	.0058	.1237	.1047

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0199	39.48	.0492	1.381	8.674	.0803	.1576
SDev	.0011	.11	.0026	.006	.023	.0061	.0071
%RSD	5.605	.2773	5.372	.4427	.2693	7.556	4.495
#1	.0191	39.58	.0475	1.388	8.701	.0757	.1497
#2	.0195	39.48	.0478	1.380	8.660	.0872	.1600
#3	.0212	39.37	.0522	1.376	8.661	.0780	.1632

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0743	.0345	.0358	.0948	4.001	.2860	.1274
SDev	.0027	.0031	.0044	.0029	.008	.0164	.0004
%RSD	3.600	9.070	12.20	3.016	.1901	5.746	.3093
#1	.0713	.0368	.0316	.0981	4.010	.2691	.1278
#2	.0753	.0358	.0355	.0935	3.997	.3020	.1272
#3	.0764	.0309	.0403	.0928	3.997	.2870	.1271

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0592	.0026	.0087	.0393	1.088	.0079	.0370
SDev	.0070	.0062	.0002	.0034	.059	.0004	.0018

%RSD	11.90	234.9	2.051	8.795	5.457	5.160	4.839
#1	.0671	.0097	.0085	.0427	1.021	.0074	.0370
#2	.0571	-.0015	.0087	.0358	1.113	.0082	.0388
#3	.0535	-.0003	.0089	.0393	1.131	.0080	.0352

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0024	.0129	.0349
SDev	.0002	.0012	.0004
%RSD	10.00	9.187	1.239
#1	.0026	.0138	.0344
#2	.0022	.0116	.0350
#3	.0022	.0134	.0353

Analysis Report QC Standard Fri 03-08-96 12:09:34 PM page 1

Method: ICP1A Sample Name: QC_MCVA1 9602261901 Operator: DRS
Run Time: 03/08/96 12:08:15
Comment: (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS* K-N/A on Koffusions DKS 3/8/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4771	9.832	2.534	2.045	.4954	.0942	24.00
SDev	.0026	.065	.020	.019	.0029	.0007	.19
%RSD	.5352	.6582	.7816	.9054	.5878	.7263	.7805
#1	.4741	9.775	2.513	2.029	.4923	.0935	23.79
#2	.4787	9.902	2.537	2.065	.4982	.0949	24.16
#3	.4784	9.818	2.552	2.039	.4956	.0942	24.03
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.68	.4933	-.0514	.9867	.9808	.9357	-.0093
SDev	.15	.0048	.0055	.0045	.0042	.0083	.0009
%RSD	.5892	.9718	10.79	.4571	.4259	.8920	10.11
#1	24.52	.4910	-.0467	.9819	.9774	.9266	-.0085
#2	24.81	.4988	-.0575	.9909	.9855	.9430	-.0103
#3	24.71	.4901	-.0499	.9875	.9796	.9373	-.0089
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	20.02	Q22.28	-.0105	1.944	31.94	.5037
SDev	.0001	.12	.11	.0009	.020	.15	.0023
%RSD	12.70	.5936	.5038	8.265	1.016	.4695	.4577
#1	-.0007	19.90	Q22.16	-.0106	1.923	31.79	.5013
#2	-.0009	20.13	Q22.30	-.0114	1.962	32.09	.5059
#3	-.0007	20.04	Q22.39	-.0096	1.946	31.96	.5038
Errors	NOCHECK	QC Pass	QC Fail	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9969	36.90	-.0585	.9956	4.740	2.389	-.1782
SDev	.0097	.36	.0065	.0039	.024	.003	.0106
%RSD	.9779	.9701	11.09	.3909	.4988	.1428	5.948
#1	.9873	36.52	-.0555	.9989	4.715	2.389	-.1695
#2	1.007	37.23	-.0660	.9913	4.763	2.393	-.1900
#3	.9967	36.97	-.0541	.9965	4.741	2.386	-.1749
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0747	-.0040	2.503	2.527	18.30	.0296	.5103
SDev	.0028	.0018	.012	.035	.10	.0060	.0036
%RSD	3.803	45.89	.4988	1.365	.5415	20.36	.7084
#1	-.0725	-.0056	2.498	2.488	18.20	.0300	.5066
#2	-.0779	-.0043	2.517	2.539	18.39	.0234	.5138
#3	-.0737	-.0020	2.494	2.554	18.32	.0354	.5104
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0034	.0424	.9868	2.437	-.7661	.9902	.0224
SDev	.0044	.0092	.0059	.011	.0944	.0059	.0054
%RSD	130.8	21.71	.5935	.4391	12.32	.5961	24.37
#1	-.0032	.0351	.9813	2.433	-.7155	.9839	.0237
#2	-.0079	.0528	.9929	2.428	-.8750	.9956	.0270
#3	.0010	.0395	.9862	2.449	-.7079	.9910	.0164
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0023	.9911	1.986
SDev	.0001	.0102	.012
%RSD	5.853	1.032	.6037
#1	-.0023	.9797	1.974
#2	-.0025	.9941	1.998
#3	-.0023	.9994	1.985
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report Fri 03-08-96 12:13:51 PM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/08/96 12:12:32
Comment: 118.1B.F DUPLICATE (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0128	-.0070	-.0076	-.0010	.0000	.0184
SDev	.0009	.0058	.0047	.0011	.0001	.0000	.0064
%RSD	340.7	45.17	68.01	14.61	13.48	162.7	34.89
#1	.0005	.0192	-.0035	-.0067	-.0010	.0000	.0258
#2	-.0000	.0079	-.0050	-.0088	-.0009	.0000	.0141
#3	-.0012	.0113	-.0123	-.0072	-.0011	-.0000	.0154

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0186	-.0089	-.0043	-.0009	.0005	-.0022	-.0010
SDev	.0019	.0013	.0027	.0003	.0021	.0012	.0006
%RSD	10.38	14.87	62.31	30.26	406.0	51.57	57.78
#1	.0208	-.0090	-.0059	-.0012	.0025	-.0024	-.0010
#2	.0178	-.0076	-.0012	-.0008	.0007	-.0010	-.0004
#3	.0172	-.0102	-.0056	-.0007	-.0017	-.0033	-.0015

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0056	-1.071	-.0006	-.0038	.0139	-.0020
SDev	.0002	.0031	.149	.0021	.0015	.0053	.0002
%RSD	535.5	56.34	13.87	329.8	40.18	37.89	9.271
#1	-.0000	.0092	-1.145	-.0028	-.0027	.0177	-.0018
#2	.0002	.0037	-.8997	.0013	-.0055	.0161	-.0021
#3	-.0002	.0038	-1.167	-.0004	-.0032	.0079	-.0021

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0416	-.0105	.0009	-.0025	-.0089	-.0008
SDev	.0024	.0288	.0061	.0029	.0030	.0028	.0109
%RSD	217.2	69.30	58.50	318.7	117.5	30.99	1437.
#1	.0037	.0491	-.0078	.0043	-.0025	-.0057	-.0046
#2	.0005	.0659	-.0062	-.0002	-.0055	-.0105	.0116
#3	-.0009	.0097	-.0175	-.0013	.0004	-.0106	-.0092

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0040	-.0062	-.0011	.0110	.0284	-.0585	.0005
SDev	.0023	.0023	.0063	.0165	.0037	.0132	.0001
%RSD	57.43	37.37	563.3	149.7	13.00	22.58	13.95
#1	-.0014	-.0088	-.0076	-.0079	.0324	-.0644	.0006
#2	-.0051	-.0049	.0050	.0227	.0275	-.0434	.0005
#3	-.0056	-.0047	-.0007	.0183	.0252	-.0677	.0005

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	-.0005	-.0002	-.0022	-.1299	-.0007	.0024
SDev	.0029	.0071	.0002	.0086	.0310	.0006	.0062

%RSD	97.90	1560.	128.6	396.2	23.84	86.88	252.9
#1	-.0063	.0033	-.0000	-.0014	-.1466	-.0000	.0083
#2	-.0010	.0039	-.0001	-.0112	-.0942	-.0008	.0030
#3	-.0016	-.0086	-.0005	.0060	-.1490	-.0012	-.0040

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0009	-.0012	-.0005
SDev	.0002	.0011	.0005
%RSD	18.48	87.93	90.58
#1	-.0011	-.0006	-.0009
#2	-.0007	-.0025	-.0006
#3	-.0010	-.0006	-.0000

Analysis Report QC Standard Fri 03-08-96 01:02:34 PM page 1

Method: ICP1A Sample Name: QC_MCVA1 960226I901 Operator: DRS
Run Time: 03/08/96 13:01:15
Comment: (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS NFS 3/8/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4787	9.808	2.548	2.045	.5003	.0936	23.89
SDev	.0048	.092	.049	.027	.0058	.0009	.19
%RSD	1.011	.9341	1.939	1.336	1.155	.9361	.8060
#1	.4737	9.703	2.499	2.014	.4937	.0926	23.67
#2	.4791	9.844	2.547	2.057	.5029	.0938	23.97
#3	.4833	9.875	2.598	2.064	.5044	.0943	24.03
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.59	.5082	-.0352	.9890	.9786	.9478	-.0068
SDev	.20	.0106	.0068	.0089	.0115	.0085	.0010
%RSD	.7983	2.095	24.91	.9046	1.179	.8939	15.34
#1	24.38	.5040	-.0252	.9789	.9652	.9386	-.0058
#2	24.63	.5003	-.0415	.9922	.9853	.9498	-.0078
#3	24.77	.5203	-.0388	.9959	.9851	.9552	-.0069
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	19.94	23.04	-.0066	1.946	31.86	.5037
SDev	.0003	.18	.13	.0023	.027	.25	.0033
%RSD	107.5	.8932	.5490	34.63	1.385	.7831	.6472
#1	.0000	19.75	23.00	-.0040	1.916	31.58	.5003
#2	-.0005	20.00	22.94	-.0082	1.957	31.94	.5040
#3	-.0003	20.09	23.18	-.0077	1.966	32.05	.5068
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9953	37.02	-.0429	.9884	4.740	2.392	-.1506
SDev	.0079	.44	.0062	.0076	.075	.010	.0170
%RSD	.7966	1.180	14.47	.7664	1.585	.4246	11.29
#1	.9873	36.56	-.0357	.9801	4.675	2.380	-.1316
#2	.9954	37.06	-.0464	.9901	4.722	2.396	-.1644
#3	1.003	37.43	-.0465	.9950	4.822	2.399	-.1557
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0566	-.0029	2.501	2.486	18.25	.1010	.5089
SDev	.0107	.0005	.018	.032	.16	.0383	.0056
%RSD	18.90	17.87	.7142	1.292	.8723	37.90	1.106
#1	-.0442	-.0023	2.484	2.449	18.07	.1440	.5026
#2	-.0626	-.0031	2.500	2.509	18.31	.0880	.5108
#3	-.0629	-.0033	2.519	2.499	18.37	.0709	.5133
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0071	.0503	.9832	2.414	-.5640	.9873	.0191
SDev	.0051	.0022	.0103	.013	.1066	.0096	.0062
%RSD	71.42	4.454	1.050	.5184	18.89	.9702	32.65
#1	.0127	.0479	.9717	2.402	-.4418	.9768	.0251
#2	.0029	.0523	.9865	2.414	-.6376	.9897	.0126
#3	.0057	.0506	.9916	2.427	-.6126	.9955	.0195
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0012	.9960	1.982
SDev	.0003	.0063	.019
%RSD	26.99	.6300	.9606
#1	-.0008	.9891	1.961
#2	-.0014	1.001	1.988
#3	-.0014	.9973	1.997
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report QC Standard Fri 03-08-96 01:06:09 PM page 1

Method: ICP1A Sample Name: QC_MCVB2 9602211901 Operator: DRS
Run Time: 03/08/96 13:04:50
Comment: (BX-112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 3/8/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0114	-.0468	.3136	.1582	.0012	.0006	.0721
SDev	.0005	.0090	.0184	.0008	.0004	.0001	.0025
%RSD	4.727	19.27	5.881	.4966	30.99	7.884	3.458
#1	-.0116	-.0449	.3297	.1586	.0010	.0006	.0726
#2	-.0108	-.0388	.3177	.1573	.0016	.0006	.0744
#3	-.0118	-.0566	.2935	.1587	.0009	.0006	.0695
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0170	.0599	1.987	-.0044	.0028	.0255	2.007
SDev	.0027	.0243	.022	.0013	.0009	.0023	.022
%RSD	15.84	40.58	1.109	28.64	30.80	8.967	1.111
#1	.0201	.0466	1.967	-.0030	.0037	.0281	1.995
#2	.0154	.0451	1.983	-.0046	.0020	.0236	1.994
#3	.0154	.0879	2.011	-.0055	.0026	.0249	2.033
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.027	.0264	-2.069	1.009	-.0049	-.1335	.0003
SDev	.023	.0042	.253	.012	.0003	.0117	.0003
%RSD	1.137	15.82	12.21	1.172	5.587	8.756	78.37
#1	2.013	.0311	-1.891	1.002	-.0047	-.1257	.0007
#2	2.015	.0246	-1.958	1.002	-.0047	-.1279	.0001
#3	2.054	.0233	-2.358	1.023	-.0052	-.1470	.0003
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			1.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	.1903	1.963	.0240	.0581	.1961	1.873
SDev	.0008	.0201	.020	.0005	.0151	.0049	.024
%RSD	11.41	10.56	1.018	2.208	25.92	2.473	1.272
#1	.0065	.1961	1.948	.0239	.0598	.1983	1.860
#2	.0058	.1680	1.956	.0235	.0723	.1995	1.859
#3	.0073	.2069	1.986	.0246	.0423	.1906	1.900
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value			2.000				

Range			10.00				
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.968	1.979	.0795	.0528	6.967	2.010	.0023
SDev	.014	.012	.0065	.0053	.423	.012	.0001
%RSD	.7204	.6160	8.135	10.13	6.069	.6038	5.509
#1	1.959	1.970	.0800	.0482	6.523	1.997	.0024
#2	1.961	1.974	.0857	.0586	7.014	2.011	.0023
#3	1.985	1.993	.0728	.0515	7.365	2.021	.0021
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	2.000	2.000				2.000	
Range	10.00	10.00				10.00	

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.865	9.951	.0029	.0108	23.23	-.0028	1.962
SDev	.020	.093	.0001	.0093	.20	.0007	.029
%RSD	1.057	.9354	2.718	86.29	.8621	26.67	1.454
#1	1.852	9.895	.0030	.0001	23.04	-.0022	1.947
#2	1.856	9.899	.0028	.0167	23.19	-.0026	1.943
#3	1.888	10.06	.0028	.0155	23.44	-.0036	1.994
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	2.000	10.00			25.00		2.000
Range	10.00	10.00			10.00		10.00

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.9725	.0039	-.0576
SDev	.0102	.0003	.0011
%RSD	1.051	7.843	1.887
#1	.9663	.0040	-.0582
#2	.9669	.0040	-.0582
#3	.9843	.0035	-.0563
Errors	QC Pass	NOCHECK	NOCHECK
Value	1.000		
Range	10.00		

DATE TO QC: 03/19/96

DATA QUALITY REVIEW

I have reviewed the following data for completeness and for compliance with project requirements.

Analyte - ICP - Water Leach

Data Package/Report - BX-112

Project No. - 22762

ACL Numbers - 96-2617, 96-2618

PNL ACL Quality Representative

3/28/96
Date

Project: TWRS
Procedure: PNL-ALO-211

File: m031696a
Analyzed: 03/16/96

BX-112 Core 118/119 Water Leaches

		118 Composite			119 Composite				
Sam Log#:		96-02617	96-02617		96-02618	96-02618		96-02617	
Split#:		118.com.W	118.com.W		119.com.W	119.com.W		Blank	
ICP Dil:		1.00	1.00		1.00	1.00		1.00	
Dil Fctr:		87.1	85.8		89.8	87.0		87.4	
Est. IDL ug/mL	Analyte	Sample ug/g	Duplicate ug/g	RPD	Sample ug/g	Duplicate ug/g	RPD	Batch Blk ug/g	Post Spike Recoveries Spk "A"	Spk "B"
0.015	Ag	ND	ND		ND	ND		ND	86.4%	
0.060	Al	519	419	21 *	67	89	29 *	ND	107.2%	
0.080	As	ND	ND		ND	ND		ND	107.1%	
0.050	B	(8)	(11)		(10)	(7)		ND	107.1%	
0.010	Ba	ND	ND		ND	ND		ND	101.6%	
0.005	Be	ND	ND		ND	ND		ND	98.0%	
0.100	Bi	129	(56)		(37)	(61)		ND	100.6%	
0.250	Ca	(141)	(103)		(134)	(135)		(62)	104.6%	
0.015	Cd	ND	ND		ND	ND		ND	102.8%	
0.100	Ce	ND	ND		ND	ND		ND		102.3%
0.050	Co	ND	ND		ND	ND		ND	101.8%	
0.020	Cr	276	271	2	223	220	1	ND	97.2%	
0.050	Cu	ND	ND		ND	ND		ND	96.6%	
0.050	Dy	ND	ND		ND	ND		ND		102.2%
0.100	Eu	ND	ND		ND	ND		ND		103.2%
0.050	Fe	49	(21)		(17)	(30)		ND	104.6%	
2.000	K	n/a	n/a		n/a	n/a		n/a		
0.050	La	ND	ND		ND	ND		ND		102.6%
0.030	Li	106	106	0	30	29	1	ND	101.2%	
0.100	Mg	(47)	(43)		(48)	(46)		(22)	104.0%	
0.050	Mn	ND	ND		ND	ND		ND	104.0%	
0.030	Mo	(26)	(25)		(23)	(23)		ND	102.3%	
0.250	Na	68,453	68,108	1	66,607	65,574	2	(37)	n/a	
0.100	Nd	ND	ND		ND	ND		ND		100.4%
0.030	Ni	n/a	n/a		n/a	n/a		n/a		
0.250	P	6,016	5,834	3	5,691	5,673	0	ND	n/a	
0.100	Pb	ND	ND		ND	ND		ND	99.7%	
0.300	Rh	ND	ND		ND	ND		ND		100.2%
0.100	Ru	ND	ND		ND	ND		ND		106.5%
0.100	Se	ND	ND		ND	ND		ND	107.8%	
0.500	Si	(53)	(60)		(86)	(85)		ND	94.9%	
0.015	Sr	ND	ND		ND	ND		ND	106.4%	
0.500	Te	ND	ND		ND	ND		ND		99.3%
0.025	Ti	ND	ND		ND	ND		ND	101.2%	
0.500	Tl	ND	ND		ND	ND		ND	98.3%	
2.000	U	ND	ND		ND	ND		ND		96.6%
0.015	V	ND	ND		ND	ND		ND	102.4%	
0.500	W	ND	ND		ND	ND		ND		101.1%
0.010	Y	ND	ND		ND	ND		ND		100.2%
0.020	Zn	ND	ND		ND	ND		ND	102.0%	
0.025	Zr	(3)	ND		ND	ND		ND	102.3%	

Note: 1) Estimated Quantitation Limit (EQL) = 10x IDL; "( )" results <EQL but =>IDL.
2) Above 5 times EQL, results reportable to 2 1/2 significant digits.
3) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
4) Above 5 times EQL, precision is estimated at better than +/-20% and accuracy +/-25%.
5) "ND" = Not Detected; Estimated Sample Detection Limit (ug/mL) = (IDL in ug/mL) * (Dil Fctr)
6) If RPD flagged with "*", then RPD >20% and sample & duplicate results >EQL.
7) Spike recovery "n/a/" = spike concentration <25% of sample concentration.

Data, including calibration/QC, archived File ICP-325-405-1/96A0087

Template: TC-sw1-2 ICP RAW DATA -- IEC Corrected m031696a

Analyzed: 03/16/96
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

BX-112 Core 118/119 Water Leaches

Raw Data
Data Page 2 of 2

Analyst: Nancy Sanders 3/18/96

Reviewer: MW Han 3/18/96

Sample ID:		96-02617	96-02617	96-02618	96-02618	96-02617	96-02617	96-02617	96-02617	Post Spikes	
Split ID:		118.com.W	118.com.W	119.com.W	119.com.W	Blank	P.S. "A"	P.S. "B"	PS Base	"A"	"B"
Run Time:		11:40	11:59	12:14	12:18	11:32	11:44	11:51	11:40	ug/mL	ug/mL
(ug/mL)	Ag	0.0020	0.0030	0.0030	0.0030	0.0030	0.2160	-0.0020	0.0020	0.500	
	Al	5.9620	4.8820	0.7410	1.0240	0.0240	8.3430	3.2660	5.9620	10.000	
	As	0.0660	0.0710	0.0610	0.0550	-0.0070	1.3390	0.1810	0.0660	2.500	
	B	0.0950	0.1320	0.1100	0.0850	0.0290	1.1180	0.1310	0.0950	2.000	
	Ba	0.0020	0.0010	0.0010	0.0020	0.0010	0.2540	0.0010	0.0020	0.500	
	Be	0.0000	0.0000	0.0000	0.0000	0.0000	0.0490	0.0000	0.0000	0.100	
	Bi	1.4870	0.6560	0.4080	0.7060	0.0120	13.3150	1.1170	1.4870	25.000	
	Ca	1.6250	1.2030	1.4960	1.5560	0.7150	13.8900	1.0900	1.6250	25.000	
	Cd	0.0040	0.0040	0.0050	0.0060	0.0100	0.2570	0.0110	0.0040	0.500	
	Ce	0.0180	0.0280	0.0290	0.0460	0.0240	-0.0320	1.0230	0.0180		2.000
	Co	0.0010	0.0030	0.0020	0.0030	0.0020	0.5090	0.0000	0.0010	1.000	
	Cr	3.1760	3.1550	2.4820	2.5270	-0.0010	2.0740	1.5510	3.1760	1.000	
	Cu	-0.0120	-0.0100	-0.0070	-0.0070	-0.0070	0.4830	0.0020	-0.0120	1.000	
	Dy	0.0010	0.0040	0.0030	0.0050	0.0050	-0.0060	1.0220	0.0010		2.000
	Eu	0.0020	0.0030	0.0020	0.0020	0.0010	0.0000	1.0320	0.0020		2.000
	Fe	0.5610	0.2500	0.1940	0.3430	-0.0020	10.7430	0.4220	0.5610	20.000	
	K	5.4400	5.7540	4.5160	4.7530	0.9320	14.2350	1.3600	5.4400		
	La	0.0020	0.0050	0.0090	0.0090	0.0080	-0.0070	0.5130	0.0020		1.000
	Li	1.2130	1.2320	0.3310	0.3370	-0.0010	1.6180	0.5960	1.2130	2.000	
	Mg	0.5430	0.4970	0.5330	0.5270	0.2480	16.9140	0.2460	0.5430	32.000	
	Mn	-0.0020	-0.0040	-0.0040	-0.0030	-0.0050	0.2600	-0.0030	-0.0020	0.500	
	Mo	0.2930	0.2940	0.2580	0.2620	0.0000	0.6580	0.1450	0.2930	1.000	
	Na	786.2880	793.4020	741.5600	753.8660	0.4250	414.7800	388.5720	786.2880	36.700	
	Nd	-0.0010	0.0140	0.0190	0.0250	0.0260	-0.0390	1.0040	-0.0010		2.000
	Ni	0.0040	0.0050	0.0040	0.0060	0.0110	0.5220	0.0170	0.0040		
	P	69.1040	67.9600	63.3620	65.2200	0.2480	36.0900	32.7550	69.1040	5.000	
	Pb	0.0070	0.0110	0.0020	0.0140	-0.0020	1.2460	0.1100	0.0070	2.500	
	Pd	0.0590	0.0840	0.1070	0.1210	0.1040	-0.0850	0.9050	0.0590		2.000
	Rh	0.0390	0.0490	0.0550	0.0640	0.0360	-0.0310	1.0020	0.0390		2.000
	Ru	0.0440	0.0500	0.0480	0.0520	0.0060	0.0180	1.0650	0.0440		2.000
	Sb	0.0120	0.0230	0.0180	0.0190	0.0100	1.3180	0.0550	0.0120	2.500	
	Se	0.0620	0.0350	0.0340	0.0450	0.0170	1.3470	0.0480	0.0620	2.500	
	Si	0.6110	0.6960	0.9630	0.9730	0.0400	9.7960	3.4000	0.6110	20.000	
	Sn	0.0080	0.0450	0.0510	0.0790	0.0680	-0.0110	1.0460	0.0080		2.000
	Sr	0.0100	0.0060	0.0070	0.0090	0.0040	0.2660	0.0080	0.0100	0.500	
	Te	0.0300	0.0260	0.0290	0.0410	0.0100	0.0110	0.9930	0.0300		2.000
	Th	0.0040	0.0140	-0.0010	-0.0030	-0.0110	0.0340	5.1660	0.0040		6.800
	Ti	0.0000	0.0010	0.0010	0.0010	0.0010	0.5060	0.0020	0.0000	1.000	
	Tl	0.0140	0.0200	0.0030	0.0100	-0.0040	1.2290	-0.0040	0.0140	2.500	
	U	1.4600	1.4810	0.5270	0.6510	0.3460	0.2210	12.0790	1.4600		25.000
	V	0.0020	0.0020	0.0040	0.0040	0.0020	0.5120	0.0000	0.0020	1.000	
	W	0.0210	0.0260	0.0220	0.0230	0.0060	0.0140	1.0110	0.0210		2.000
	Y	0.0000	0.0010	0.0010	0.0010	0.0010	-0.0020	0.5010	0.0000		1.000
	Zn	-0.0040	-0.0060	-0.0050	-0.0050	-0.0030	0.5100	-0.0010	-0.0040	1.000	
(ug/mL)	Zr	0.0310	0.0140	0.0110	0.0200	0.0020	1.0380	-0.0150	0.0310	2.000	

Analyzed Date: 03/16/96 — File: m031696a
Project: TWRS — Reported: 03/18/96
Procedure: PNL-ALO-211 — Data Page 1 of 2
ICP Data Name: 96A0087
Tank ID: BX-112 Core 118/119 Water Leaches

Segment ID:		118 Composite		119 Composite					
Sample Log#		Sample 96-02617 118.com.W	Duplicate 96-02617 118.com.W	Sample 96-02618 119.com.W	Duplicate 96-02618 119.com.W	96-02617 Blank	96-02617 P.S. "A"	96-02617 P.S. "B"	96-02617 PS Base
Prep Type		Water	Water	Water	Water	Water	Water	Water	Water
Sample Wt-g		0.5761	0.5849	0.5586	0.5761	0.5739	0.5761	0.5761	0.5761
Makeup Vol-mL		50.15	50.21	50.17	50.11	50.16	50.15	50.15	50.15
Dil: Smpl-mL									
Dil: Vol-mL									
Prep Factor		87.1	85.8	89.8	87.0	87.4	87.1	87.1	87.1
Spike ID							9602261901	9602211901	
Spike PreDil'n							2.0	2.0	2.0
ICP Dilution		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Dil Fctr		87.1	85.8	89.8	87.0	87.4	87.1	87.1	87.1
Run Time		11:40	11:59	12:14	12:18	11:32	11:44	11:51	11:40
(ug/g)	Ag	0.2	0.3	0.3	0.3	0.3	18.8	-0.2	0.2
	Al	519.0	419.1	66.6	89.1	2.1	726.3	284.3	519.0
	As	5.7	6.1	5.5	4.8	-0.6	116.6	15.8	5.7
	B	8.3	11.3	9.9	7.4	2.5	97.3	11.4	8.3
	Ba	0.2	0.1	0.1	0.2	0.1	22.1	0.1	0.2
	Be	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0
	Bi	129.5	56.3	36.6	61.4	1.0	1159.2	97.2	129.5
	Ca	141.5	103.3	134.4	135.3	62.5	1209.2	94.9	141.5
	Cd	0.3	0.3	0.4	0.5	0.9	22.4	1.0	0.3
	Ce	1.6	2.4	2.6	4.0	2.1	-2.8	89.1	1.6
	Co	0.1	0.3	0.2	0.3	0.2	44.3	0.0	0.1
	Cr	276.5	270.8	222.9	219.8	-0.1	180.6	135.0	276.5
	Cu	-1.0	-0.9	-0.6	-0.6	-0.6	42.0	0.2	-1.0
	Dy	0.1	0.3	0.3	0.4	0.4	-0.5	89.0	0.1
	Eu	0.2	0.3	0.2	0.2	0.1	0.0	89.8	0.2
	Fe	48.8	21.5	17.4	29.8	-0.2	935.3	36.7	48.8
	K	473.6	493.9	405.6	413.4	81.5	1239.3	118.4	473.6
	La	0.2	0.4	0.8	0.8	0.7	-0.6	44.7	0.2
	Li	105.6	105.8	29.7	29.3	-0.1	140.9	51.9	105.6
	Mg	47.3	42.7	47.9	45.8	21.7	1472.5	21.4	47.3
	Mn	-0.2	-0.3	-0.4	-0.3	-0.4	22.6	-0.3	-0.2
	Mo	25.5	25.2	23.2	22.8	0.0	57.3	12.6	25.5
	Na	68453.2	68108.5	66607.1	65574.2	37.1	36110.2	33828.6	68453.2
	Nd	-0.1	1.2	1.7	2.2	2.3	-3.4	87.4	-0.1
	Ni	0.3	0.4	0.4	0.5	1.0	45.4	1.5	0.3
	P	6016.1	5833.9	5691.2	5673.1	21.7	3141.9	2851.6	6016.1
	Pb	0.6	0.9	0.2	1.2	-0.2	108.5	9.6	0.6
	Pd	5.1	7.2	9.6	10.5	9.1	-7.4	78.8	5.1
	Rh	3.4	4.2	4.9	5.6	3.1	-2.7	87.2	3.4
	Ru	3.8	4.3	4.3	4.5	0.5	1.6	92.7	3.8
	Sb	1.0	2.0	1.6	1.7	0.9	114.7	4.8	1.0
	Se	5.4	3.0	3.1	3.9	1.5	117.3	4.2	5.4
	Si	53.2	59.7	86.5	84.6	3.5	852.8	296.0	53.2
	Sn	0.7	3.9	4.6	6.9	5.9	-1.0	91.1	0.7
	Sr	0.9	0.5	0.6	0.8	0.3	23.2	0.7	0.9
	Te	2.6	2.2	2.6	3.6	0.9	1.0	86.4	2.6
	Th	0.3	1.2	-0.1	-0.3	-1.0	3.0	449.7	0.3
	Ti	0.0	0.1	0.1	0.1	0.1	44.1	0.2	0.0
	Tl	1.2	1.7	0.3	0.9	-0.3	107.0	-0.3	1.2
	U	127.1	127.1	47.3	56.6	30.2	19.2	1051.6	127.1
	V	0.2	0.2	0.4	0.3	0.2	44.6	0.0	0.2
	W	1.8	2.2	2.0	2.0	0.5	1.2	88.0	1.8
	Y	0.0	0.1	0.1	0.1	0.1	-0.2	43.6	0.0
	Zn	-0.3	-0.5	-0.4	-0.4	-0.3	44.4	-0.1	-0.3
(ug/g)	Zr	2.7	1.2	1.0	1.7	0.2	90.4	-1.3	2.7

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										QC CCV1 96012	V1 960126H901	
										A0087	A0087	
										3/13/96	3/13/96	
Statistical Summary for 'QC CCV1 960126H901'										10:37	12:41	
(HPS:CCV-1)										CONC	CONC	
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1105	1151	
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	
Ag		2	0.002	0.001	47					0.002	0.001	
Al	2.000	2	2.005	0.016	1	0.005	0.2			2.016	1.993	
As	2.000	2	2.107	0.022	1	0.107	5.3			2.122	2.091	
B	2.000	2	2.088	0.030	1	0.088	4.4			2.109	2.067	
Ba	1.000	2	0.993	0.017	2	-0.007	-0.7			1.005	0.981	
Be	1.000	2	0.994	0.016	2	-0.006	-0.6			1.005	0.983	
Bi	2.000	2	1.965	0.013	1	-0.035	-1.8			1.974	1.956	
Ca	2.000	2	2.103	0.018	1	0.103	5.1			2.116	2.090	
Cd	1.000	2	1.034	0.007	1	0.034	3.4			1.039	1.029	
Ce		2	-0.003	0.009	-368					-0.009	0.004	
Co	1.000	2	1.035	0.011	1	0.035	3.5			1.042	1.027	
Cr	0.500	2	0.513	0.006	1	0.013	2.5			0.517	0.508	
Cu	2.000	2	1.997	0.040	2	-0.003	-0.2			2.025	1.969	
Dy		2	0.001	0.002	424					-0.001	0.002	
Eu		2	0.001	0.001	141					0.000	0.001	
Fe	2.000	2	2.051	0.025	1	0.051	2.6			2.069	2.033	
K	5.000	2	4.482	0.049	1	-0.519	-10.4		-	4.447	4.516	
La		2	0.002	0.004	236					-0.001	0.004	
Li	2.000	2	2.005	0.032	2	0.005	0.2			2.027	1.982	
Mg	2.000	2	2.124	0.020	1	0.124	6.2			2.138	2.110	
Mn	1.000	2	1.047	0.015	1	0.047	4.7			1.057	1.036	
Mo	2.000	2	2.004	0.025	1	0.003	0.2			2.021	1.986	
Na	8.100	2	8.473	0.057	1	0.373	4.6			8.513	8.433	
Nd		2	-0.003	0.006	-189					-0.007	0.001	
Ni	2.000	2	2.115	0.011	1	0.115	5.7			2.122	2.107	
P	5.000	2	4.963	0.066	1	-0.037	-0.7			5.009	4.916	
Pb	2.000	2	2.042	0.025	1	0.042	2.1			2.060	2.024	
Pd		2	0.026	0.026	103					0.007	0.044	
Rh		2	0.005	0.013	299					-0.005	0.014	
Ru		2	0.007	0.004	61					0.004	0.010	
Sb		2	0.019	0.004	19					0.016	0.021	
Se	2.000	2	2.019	0.023	1	0.019	1.0			2.035	2.003	
Si	5.000	2	4.835	0.054	1	-0.165	-3.3			4.873	4.797	
Sn		2	0.044	0.032	73					0.021	0.066	
Sr	2.000	2	2.017	0.024	1	0.017	0.8			2.034	2.000	
Te		2	0.017	0.001	4					0.017	0.016	
Th		2	0.008	0.006	71					0.012	0.004	
Ti		2	0.000	0.000	#######					0.000	0.000	
Tl	2.000	2	1.964	0.050	3	-0.037	-1.8			1.999	1.928	
U		2	-0.030	0.129	-439					-0.121	0.062	
V	1.000	2	0.991	0.016	2	-0.010	-1.0			1.002	0.979	
W		2	0.015	0.009	63					0.008	0.021	
Y		2	0.000	0.000	#######					0.000	0.000	
Zn	1.000	2	1.028	0.006	1	0.028	2.8			1.032	1.024	
Zr		2	-0.002	0.001	-71					-0.003	-0.001	
TIME		2	#######	0.000	0					########	########	

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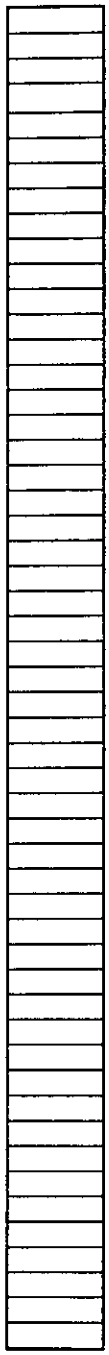

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVA1 960	VA1 960	VA1 960	VA1 960
										A0087	A0087	A0087	A0087
										3/13/96	3/13/96	3/13/96	3/13/96
	Statistical Summary for 'QC_MCVA1 960226I901'									10:16	11:21	12:08	12:22
(QC-MCVA)										CONC	CONC	CONC	CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	High	Low	1427	1473	1519	1565
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag	0.500	4	0.477	0.005	1	-0.023	-4.6			0.474	0.472	0.483	0.479
Al	10.000	4	9.902	0.129	1	-0.098	-1.0			9.784	9.799	10.035	9.989
As	2.500	4	2.544	0.022	1	0.044	1.7			2.526	2.524	2.563	2.562
B	2.000	4	2.071	0.027	1	0.071	3.6			2.048	2.047	2.095	2.095
Ba	0.500	4	0.496	0.006	1	-0.005	-0.9			0.490	0.490	0.502	0.500
Be	0.100	4	0.094	0.001	1	-0.006	-6.0			0.093	0.093	0.095	0.095
Bi	25.000	4	23.804	0.246	1	-1.196	-4.8			23.604	23.578	24.037	23.996
Ca	25.000	4	24.958	0.306	1	-0.042	-0.2			24.676	24.711	25.240	25.206
Cd	0.500	4	0.491	0.007	1	-0.009	-1.8			0.491	0.481	0.496	0.497
Ce		4	-0.034	0.006	-18					-0.029	-0.030	-0.034	-0.042
Co	1.000	4	0.992	0.014	1	-0.008	-0.8			0.980	0.981	1.006	1.002
Cr	1.000	4	0.996	0.012	1	-0.004	-0.4			0.988	0.983	1.003	1.008
Cu	1.000	4	0.933	0.009	1	-0.067	-6.7			0.928	0.923	0.942	0.938
Dy		4	-0.006	0.001	-14					-0.006	-0.005	-0.006	-0.007
Eu		4	0.000	0.000	######					0.000	0.000	0.000	0.000
Fe	20.000	4	20.103	0.237	1	0.103	0.5			19.900	19.896	20.318	20.297
K	25.000	4	24.006	0.199	1	-0.994	-4.0			23.970	23.809	24.283	23.962
La		4	-0.006	0.001	-17					-0.006	-0.005	-0.005	-0.007
Li	2.000	4	1.985	0.037	2	-0.015	-0.8			1.956	1.949	2.023	2.010
Mg	31.200	4	32.126	0.347	1	0.926	3.0			31.819	31.835	32.463	32.388
Mn	0.500	4	0.505	0.006	1	0.004	0.9			0.499	0.500	0.510	0.509
Mo	1.000	4	0.999	0.014	1	-0.001	-0.1			0.987	0.988	1.010	1.012
Na	36.700	4	36.784	0.947	3	0.084	0.2			35.866	36.070	37.535	37.665
Nd		4	-0.038	0.004	-9					-0.035	-0.036	-0.038	-0.043
Ni	1.000	4	1.002	0.017	2	0.002	0.2			0.977	1.006	1.016	1.008
P	5.000	4	4.849	0.067	1	-0.152	-3.0			4.791	4.793	4.887	4.923
Pb	2.500	4	2.431	0.025	1	-0.069	-2.8			2.415	2.405	2.452	2.452
Pd		4	-0.116	0.005	-5					-0.117	-0.108	-0.118	-0.120
Rh		4	-0.050	0.004	-7					-0.050	-0.045	-0.050	-0.054
Ru		4	0.008	0.005	59					0.001	0.010	0.010	0.011
Sb	2.500	4	2.540	0.030	1	0.040	1.6			2.513	2.517	2.559	2.572
Se	2.500	4	2.489	0.037	1	-0.012	-0.5			2.466	2.448	2.518	2.522
Si	20.000	4	18.314	0.213	1	-1.686	-8.4			18.146	18.116	18.522	18.473
Sn		4	0.085	0.017	20					0.089	0.107	0.069	0.075
Sr	0.500	4	0.507	0.008	2	0.007	1.5			0.499	0.501	0.515	0.514
Te		4	0.019	0.001	7					0.019	0.021	0.018	0.018
Th		4	0.043	0.003	7					0.041	0.042	0.047	0.041
Ti	1.000	4	0.986	0.013	1	-0.014	-1.4			0.973	0.976	0.998	0.996
Tl	2.500	4	2.401	0.028	1	-0.099	-4.0			2.369	2.388	2.431	2.417
U		4	-0.523	0.031	-6					-0.495	-0.502	-0.530	-0.563
V	1.000	4	0.994	0.012	1	-0.006	-0.6			0.982	0.984	1.005	1.004
W		4	0.029	0.005	18					0.029	0.027	0.035	0.023
Y		4	-0.002	0.001	-38					-0.001	-0.001	-0.002	-0.002
Zn	1.000	4	0.980	0.016	2	-0.021	-2.1			0.962	0.971	0.990	0.995
Zr	2.000	4	1.977	0.028	1	-0.023	-1.2			1.950	1.955	2.003	2.000
TIME		4	#######	0.000	0					########	########	########	########

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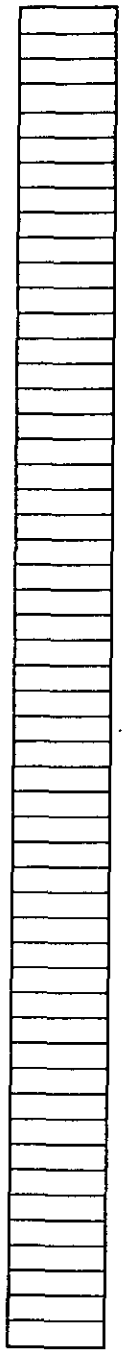
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVB2 960	VB2 9602211901	
										A0087	A0087	
										3/13/96	3/13/96	
Statistical Summary for 'QC_MCVB2 9602211901'										10:20	12:25	
(QC-MCVB)										CONC	CONC	
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1611	1657	
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	
Ag		2	-0.006	0.001	-13					-0.005	-0.006	
Al		2	0.008	0.042	556					-0.022	0.037	
As		2	0.308	0.011	4					0.300	0.316	
B		2	0.168	0.004	3					0.171	0.165	
Ba		2	0.001	0.001	141					0.000	0.001	
Be		2	0.001	0.000	0					0.001	0.001	
Bi		2	0.083	0.011	13					0.075	0.090	
Ca		2	0.023	0.001	6					0.022	0.024	
Cd		2	0.011	0.001	13					0.012	0.010	
Ce	2.000	2	1.998	0.007	0	-0.002	-0.1			2.003	1.993	
Co		2	0.000	0.001	######					-0.001	0.001	
Cr		2	0.006	0.001	13					0.006	0.005	
Cu		2	0.025	0.007	28					0.030	0.020	
Dy	2.000	2	2.020	0.023	1	0.020	1.0			2.036	2.004	
Eu	2.000	2	2.040	0.020	1	0.040	2.0			2.054	2.026	
Fe		2	0.023	0.000	0					0.023	0.023	
K		2	-1.910	0.184	-10					-2.040	-1.780	
La	1.000	2	1.008	0.007	1	0.008	0.8			1.013	1.003	
Li		2	-0.006	0.001	-13					-0.006	-0.005	
Mg		2	-0.077	0.020	-26					-0.091	-0.063	
Mn		2	-0.005	0.000	0					-0.005	-0.005	
Mo		2	0.007	0.001	11					0.006	0.007	
Na		2	0.238	0.115	48					0.157	0.319	
Nd	2.000	2	1.997	0.013	1	-0.004	-0.2			2.006	1.987	
Ni		2	0.028	0.009	33					0.021	0.034	
P		2	0.121	0.016	13					0.109	0.132	
Pb		2	0.219	0.003	1					0.221	0.217	
Pd	2.000	2	1.791	0.066	4	-0.209	-10.5		-	1.744	1.838	
Rh	2.000	2	1.953	0.006	0	-0.047	-2.4			1.949	1.957	
Ru	2.000	2	2.054	0.010	0	0.054	2.7			2.061	2.047	
Sb		2	0.098	0.010	10					0.091	0.105	
Se		2	0.074	0.017	23					0.062	0.086	
Si		2	7.285	0.245	3					7.458	7.111	
Sn	2.000	2	2.073	0.008	0	0.072	3.6			2.067	2.078	
Sr		2	0.003	0.000	0					0.003	0.003	
Te	2.000	2	1.909	0.011	1	-0.091	-4.6			1.916	1.901	
Th	10.000	2	10.112	0.069	1	0.112	1.1			10.161	10.063	
Ti		2	0.005	0.001	16					0.004	0.005	
Tl		2	0.005	0.001	16					0.005	0.004	
U	25.000	2	22.760	0.278	1	-2.241	-9.0			22.956	22.563	
V		2	-0.001	0.001	-141					-0.001	0.000	
W	2.000	2	1.963	0.027	1	-0.037	-1.9			1.982	1.944	
Y	1.000	2	0.986	0.016	2	-0.014	-1.4			0.997	0.975	
Zn		2	-0.002	0.000	0					-0.002	-0.002	
Zr		2	-0.066	0.004	-5					-0.063	-0.068	
TIME		2	########	0.000	0					########	########	

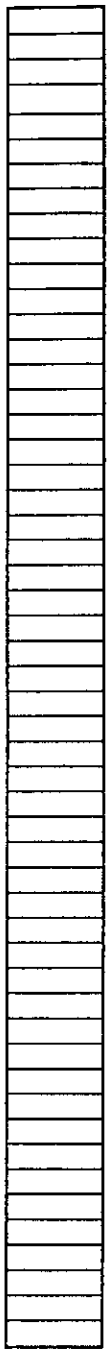
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_SRM-1643d	M1643d 108518
										A0087	A0087
										3/13/96	3/13/96
Statistical Summary for 'QC_SRM-1643d 108518'										12:37	10:33
(NIST:SRM1643d)										CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	1703	1749
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)
Ag	0.001	2	0.002	0.001	71	0.001	57.5	+	-	0.003	0.001
Al	0.128	2	0.166	0.025	15	0.038	29.7	+		0.183	0.148
As	0.056	2	0.061	0.006	9	0.005	8.9	+		0.057	0.065
B	0.145	2	0.150	0.003	2	0.005	3.6			0.148	0.152
Ba	0.507	2	0.518	0.013	2	0.012	2.3			0.509	0.527
Be	0.013	2	0.012	0.000	0	-0.001	-4.2			0.012	0.012
Bi	0.013	2	0.054	0.020	37	0.041	315.4	+		0.068	0.040
Ca	31.050	2	32.118	0.523	2	1.068	3.4			31.748	32.487
Cd	0.006	2	0.016	0.004	27	0.010	147.3	+		0.019	0.013
Ce		2	0.004	0.018	460					0.017	-0.009
Co	0.025	2	0.028	0.001	3	0.003	10.0	+		0.028	0.027
Cr	0.019	2	0.021	0.002	10	0.002	7.9	+		0.022	0.019
Cu	0.021	2	0.009	0.000	0	-0.012	-56.1		-	0.009	0.009
Dy		2	0.001	0.002	424					0.002	-0.001
Eu		2	0.002	0.001	47					0.002	0.001
Fe	0.091	2	0.115	0.010	9	0.024	26.1	+		0.122	0.108
K	2.356	2	2.029	0.254	13	-0.328	-13.9		-	2.208	1.849
La		2	0.014	0.005	37					0.017	0.010
Li	0.017	2	0.017	0.002	13	0.000	0.0			0.018	0.015
Mg	7.989	2	8.640	0.156	2	0.651	8.1			8.530	8.750
Mn	0.038	2	0.036	0.001	2	-0.002	-5.7			0.035	0.036
Mo	0.113	2	0.115	0.000	0	0.002	1.9			0.115	0.115
Na	22.070	2	22.258	0.351	2	0.188	0.9			22.010	22.506
Nd		2	0.009	0.010	110					0.016	0.002
Ni	0.058	2	0.141	0.017	12	0.083	142.7	+		0.153	0.129
P		2	0.046	0.016	36					0.057	0.034
Pb	0.018	2	0.013	0.015	119	-0.006	-31.1	+	-	0.023	0.002
Pd		2	0.022	0.037	167					0.048	-0.004
Rh		2	0.008	0.017	212					0.020	-0.004
Ru		2	0.002	0.006	424					0.006	-0.003
Sb	0.054	2	0.064	0.004	7	0.010	18.3	+		0.067	0.061
Se	0.011	2	0.026	0.013	53	0.014	123.1	+		0.035	0.016
Si	2.700	2	2.728	0.047	2	0.027	1.0			2.694	2.761
Sn		2	0.003	0.057	1886					0.043	-0.037
Sr	0.295	2	0.305	0.006	2	0.010	3.3			0.300	0.309
Te	0.001	2	0.006	0.007	118	0.005	500.0	+		0.011	0.001
Th		2	-0.008	0.001	-9					-0.007	-0.008
Ti		2	0.001	0.001	141					0.001	0.000
Tl	0.007	2	0.008	0.001	9	0.000	3.0			0.008	0.007
U		2	0.221	0.204	92					0.365	0.077
V	0.035	2	0.036	0.001	2	0.000	1.1			0.036	0.035
W		2	0.009	0.003	31					0.011	0.007
Y		2	0.001	0.001	141					0.001	0.000
Zn	0.072	2	0.072	0.001	1	-0.001	-1.4			0.071	0.072
Zr		2	-0.001	0.001	-141					0.000	-0.002
TIME		2	########	0.000	0					########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										ICP1.0 960103	.0 960103	.0 960103	.0 960103
										A0087	A0087	A0087	A0087
										3/13/96	3/13/96	3/13/96	3/13/96
Statistical Summary for 'ICP1.0 960103F100'										10:14	10:40	11:25	12:12
(ICP1.0 "Blank")										CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	691	737	783	829
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		5	0.001	0.001	64					0.002	0.002	0.000	0.002
Al		5	0.014	0.011	79					0.006	0.002	0.014	0.030
As		5	-0.005	0.008	-152					-0.013	-0.010	-0.007	-0.001
B		5	-0.001	0.002	-271					-0.001	0.000	-0.001	0.002
Ba		5	0.000	0.000	224					0.000	0.000	0.000	0.001
Be		5	0.000	0.000	224					0.000	0.001	0.000	0.000
Bi		5	0.012	0.018	146					-0.004	-0.002	0.011	0.041
Ca		5	0.015	0.010	66					0.006	0.008	0.016	0.031
Cd		5	0.008	0.004	44					0.013	0.006	0.010	0.004
Ce		5	0.000	0.010	######					-0.005	-0.008	-0.007	0.017
Co		5	0.001	0.002	205					-0.001	0.000	0.000	0.003
Cr		5	0.000	0.001	-548					0.001	-0.001	-0.001	0.001
Cu		5	-0.008	0.002	-26					-0.010	-0.007	-0.009	-0.005
Dy		5	0.001	0.002	205					0.000	-0.001	0.000	0.003
Eu		5	0.000	0.001	137					0.000	0.000	0.000	0.001
Fe		5	-0.002	0.009	-539					-0.008	-0.007	0.002	0.012
K		5	-0.211	0.329	-156					-0.222	-0.565	-0.367	0.321
La		5	0.001	0.003	224					0.000	-0.001	-0.001	0.005
Li		5	-0.003	0.002	-78					-0.004	-0.005	-0.005	0.001
Mg		5	0.002	0.017	845					-0.009	-0.009	0.006	0.030
Mn		5	-0.005	0.000	-9					-0.006	-0.005	-0.005	-0.005
Mo		5	0.001	0.002	279					-0.002	0.002	0.000	0.002
Na		5	0.008	0.058	744					-0.026	-0.034	-0.002	0.109
Nd		5	-0.001	0.011	-796					-0.004	-0.013	-0.009	0.015
Ni		5	0.017	0.020	115					-0.001	0.036	0.006	0.004
P		5	0.008	0.015	173					0.001	-0.006	-0.001	0.022
Pb		5	-0.007	0.007	-103					-0.015	-0.013	-0.009	-0.001
Pd		5	0.030	0.025	85					0.013	0.009	0.015	0.067
Rh		5	0.008	0.013	158					0.001	-0.004	0.003	0.029
Ru		5	0.001	0.005	418					-0.004	-0.001	-0.001	0.009
Sb		5	0.004	0.010	290					-0.004	-0.003	-0.005	0.016
Se		5	0.012	0.007	57					0.006	0.013	0.014	0.023
Si		5	0.026	0.014	54					0.018	0.016	0.023	0.050
Sn		5	-0.001	0.021	-2132					0.002	-0.023	-0.020	0.029
Sr		5	0.001	0.001	91					0.000	0.001	0.000	0.001
Te		5	0.003	0.009	303					0.003	-0.006	-0.004	0.017
Th		5	-0.002	0.003	-138					-0.004	-0.002	0.002	-0.006
Ti		5	0.000	0.001	######					-0.001	-0.001	0.000	0.002
Tl		5	-0.003	0.006	-170					-0.011	0.001	-0.008	0.002
U		5	-0.009	0.159	-1771					-0.077	-0.157	-0.117	0.227
V		5	0.000	0.001	548					-0.001	0.000	0.000	0.002
W		5	-0.002	0.006	-347					-0.001	-0.007	-0.001	0.007
Y		5	0.000	0.001	######					0.000	-0.001	0.000	0.001
Zn		5	-0.005	0.001	-21					-0.007	-0.005	-0.005	-0.004
Zr		5	-0.001	0.002	-240					-0.002	-0.003	-0.001	0.002
TIME		5	########	0.000	0					########	########	########	########

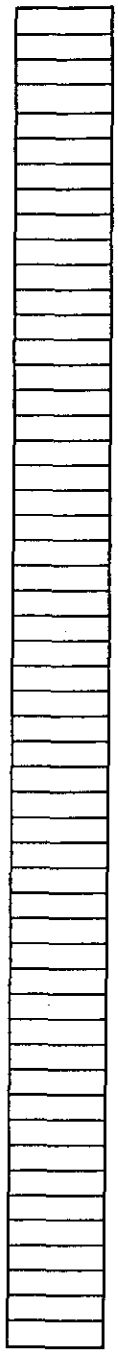
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

.0 960103
A0087
3/13/96
12:47
CONC
875
(ug/mL)
0.001
0.017
0.006
-0.004
0.000
0.000
0.016
0.014
0.007
0.003
0.002
-0.001
-0.007
0.002
0.001
-0.007
-0.222
0.003
-0.003
-0.008
-0.005
0.001
-0.008
0.004
0.042
0.026
0.002
0.045
0.012
0.003
0.014
0.006
0.022
0.007
0.001
0.005
-0.001
0.000
-0.001
0.079
0.000
-0.006
0.000
-0.005
0.000
########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										MCVA1 @2			
										A0087			
										3/13/96			
			Statistical Summary for 'MCVA1 @2'							11:48			
(MCVA @2 Post Digestion Spike)										CONC			
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	High	Low	921			
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)			
Ag	0.250	1	0.245	#DIV/0!	######	-0.005	-2.0			0.245			
Al	5.000	1	5.089	#DIV/0!	######	0.089	1.8			5.089			
As	1.250	1	1.304	#DIV/0!	######	0.054	4.3			1.304			
B	1.000	1	1.070	#DIV/0!	######	0.070	7.0			1.070			
Ba	0.250	1	0.253	#DIV/0!	######	0.003	1.2			0.253			
Be	0.050	1	0.049	#DIV/0!	######	-0.001	-2.0			0.049			
Bi	12.500	1	12.279	#DIV/0!	######	-0.221	-1.8			12.279			
Ca	12.500	1	12.898	#DIV/0!	######	0.398	3.2			12.898			
Cd	0.250	1	0.258	#DIV/0!	######	0.008	3.2			0.258			
Ce		1	-0.026	#DIV/0!	######					-0.026			
Co	0.500	1	0.513	#DIV/0!	######	0.013	2.6			0.513			
Cr	0.500	1	0.516	#DIV/0!	######	0.016	3.2			0.516			
Cu	0.500	1	0.470	#DIV/0!	######	-0.030	-6.0			0.470			
Dy		1	-0.004	#DIV/0!	######					-0.004			
Eu		1	0.000	#DIV/0!	######					0.000			
Fe	10.000	1	10.385	#DIV/0!	######	0.385	3.9			10.385			
K	12.500	1	11.714	#DIV/0!	######	-0.786	-6.3			11.714			
La		1	-0.004	#DIV/0!	######					-0.004			
Li	1.000	1	1.016	#DIV/0!	######	0.016	1.6			1.016			
Mg	15.600	1	16.705	#DIV/0!	######	1.105	7.1			16.705			
Mn	0.250	1	0.258	#DIV/0!	######	0.008	3.2			0.258			
Mo	0.500	1	0.516	#DIV/0!	######	0.016	3.2			0.516			
Na	18.350	1	19.102	#DIV/0!	######	0.752	4.1			19.102			
Nd		1	-0.028	#DIV/0!	######					-0.028			
Ni	0.500	1	0.525	#DIV/0!	######	0.025	5.0			0.525			
P	2.500	1	2.561	#DIV/0!	######	0.061	2.4			2.561			
Pb	1.250	1	1.254	#DIV/0!	######	0.004	0.3			1.254			
Pd		1	-0.062	#DIV/0!	######					-0.062			
Rh		1	-0.031	#DIV/0!	######					-0.031			
Ru		1	0.001	#DIV/0!	######					0.001			
Sb	1.250	1	1.314	#DIV/0!	######	0.064	5.1			1.314			
Se	1.250	1	1.294	#DIV/0!	######	0.044	3.5			1.294			
Si	10.000	1	9.524	#DIV/0!	######	-0.476	-4.8			9.524			
Sn		1	0.041	#DIV/0!	######					0.041			
Sr	0.250	1	0.260	#DIV/0!	######	0.010	4.0			0.260			
Te		1	0.011	#DIV/0!	######					0.011			
Th		1	0.024	#DIV/0!	######					0.024			
Ti	0.500	1	0.505	#DIV/0!	######	0.005	1.0			0.505			
Tl	1.250	1	1.230	#DIV/0!	######	-0.020	-1.6			1.230			
U		1	-0.358	#DIV/0!	######					-0.358			
V	0.500	1	0.510	#DIV/0!	######	0.010	2.0			0.510			
W		1	0.013	#DIV/0!	######					0.013			
Y		1	-0.001	#DIV/0!	######					-0.001			
Zn	0.500	1	0.507	#DIV/0!	######	0.007	1.4			0.507			
Zr	1.000	1	1.012	#DIV/0!	######	0.012	1.2			1.012			
TIME		1	########	#DIV/0!	######					########			

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC MCVB2 @2			
										A0087			
										3/13/96			
Statistical Summary for 'QC MCVB2 @2'										11:55			
(MCVB @2 Post Digestion Spike)										CONC			
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1197			
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)			
Ag		1	-0.003	#DIV/0!	######					-0.003			
Al		1	0.022	#DIV/0!	######					0.022			
As		1	0.168	#DIV/0!	######					0.168			
B		1	0.083	#DIV/0!	######					0.083			
Ba		1	0.000	#DIV/0!	######					0.000			
Be		1	0.000	#DIV/0!	######					0.000			
Bi		1	0.033	#DIV/0!	######					0.033			
Ca		1	-0.005	#DIV/0!	######					-0.005			
Cd		1	0.016	#DIV/0!	######					0.016			
Ce	1.000	1	1.026	#DIV/0!	######	0.026	2.6			1.026			
Co		1	0.000	#DIV/0!	######					0.000			
Cr		1	0.002	#DIV/0!	######					0.002			
Cu		1	0.004	#DIV/0!	######					0.004			
Dy	1.000	1	1.030	#DIV/0!	######	0.030	3.0			1.030			
Eu	1.000	1	1.044	#DIV/0!	######	0.044	4.4			1.044			
Fe		1	-0.001	#DIV/0!	######					-0.001			
K		1	-1.261	#DIV/0!	######					-1.261			
La	0.500	1	0.517	#DIV/0!	######	0.017	3.4			0.517			
Li		1	-0.006	#DIV/0!	######					-0.006			
Mg		1	-0.047	#DIV/0!	######					-0.047			
Mn		1	-0.005	#DIV/0!	######					-0.005			
Mo		1	0.003	#DIV/0!	######					0.003			
Na		1	0.449	#DIV/0!	######					0.449			
Nd	1.000	1	1.023	#DIV/0!	######	0.023	2.3			1.023			
Ni		1	0.022	#DIV/0!	######					0.022			
P		1	0.097	#DIV/0!	######					0.097			
Pb		1	0.112	#DIV/0!	######					0.112			
Pd	1.000	1	0.943	#DIV/0!	######	-0.057	-5.7			0.943			
Rh	1.000	1	1.016	#DIV/0!	######	0.016	1.6			1.016			
Ru	1.000	1	1.062	#DIV/0!	######	0.062	6.2			1.062			
Sb		1	0.058	#DIV/0!	######					0.058			
Se		1	0.048	#DIV/0!	######					0.048			
Si		1	3.081	#DIV/0!	######					3.081			
Sn	1.000	1	1.095	#DIV/0!	######	0.095	9.5			1.095			
Sr		1	0.001	#DIV/0!	######					0.001			
Te	1.000	1	1.001	#DIV/0!	######	0.001	0.1			1.001			
Th	5.000	1	5.201	#DIV/0!	######	0.201	4.0			5.201			
Ti		1	0.002	#DIV/0!	######					0.002			
Tl		1	0.004	#DIV/0!	######					0.004			
U	12.500	1	11.541	#DIV/0!	######	-0.959	-7.7			11.541			
V		1	0.000	#DIV/0!	######					0.000			
W	1.000	1	1.008	#DIV/0!	######	0.008	0.8			1.008			
Y	0.500	1	0.505	#DIV/0!	######	0.005	1.0			0.505			
Zn		1	-0.005	#DIV/0!	######					-0.005			
Zr		1	-0.038	#DIV/0!	######					-0.038			
TIME		1	########	#DIV/0!	######					########			

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Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC SSTMCV 951	MCV 9512081903	
										A0087	A0087	
										3/13/96	3/13/96	
Statistical Summary for 'QC SSTMCV 951208I903'"										10:28	12:33	
("QC-SSTMCV" SST Midrange Cal. Check Std.)										CONC	CONC	
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1335	1381	
	(ug/mL)		*(ug/mL)*	*(ug/mL)*	*(%)*	*(ug/mL)*	*(%)*	*(>110%)*	*(<90%)*	*(ug/mL)*	*(ug/mL)*	
Ag	0.500	2	0.515	0.010	2	0.015	3.0			0.522	0.508	
Al	5.000	2	5.405	0.032	1	0.405	8.1			5.427	5.382	
As	2.000	2	2.174	0.043	2	0.174	8.7	+		2.204	2.143	
B		2	0.002	0.001	47					0.002	0.001	
Ba	0.100	2	0.104	0.002	2	0.003	3.5			0.105	0.102	
Be	0.100	2	0.101	0.003	3	0.001	1.0			0.103	0.099	
Bi	1.500	2	1.786	0.023	1	0.286	19.0	+		1.769	1.802	
Ca	1.000	2	1.279	0.047	4	0.279	27.9	+		1.246	1.312	
Cd	0.200	2	0.216	0.001	0	0.016	7.7			0.215	0.216	
Ce		2	0.015	0.010	66					0.008	0.022	
Co		2	0.001	0.001	141					0.000	0.001	
Cr	0.300	2	0.318	0.005	2	0.018	5.8			0.321	0.314	
Cu		2	-0.007	0.001	-20					-0.006	-0.008	
Dy		2	0.003	0.001	47					0.002	0.004	
Eu		2	0.009	0.001	8					0.008	0.009	
Fe	0.500	2	0.716	0.045	6	0.216	43.1	+		0.684	0.747	
K	50.000	2	51.229	1.205	2	1.229	2.5			52.081	50.377	
La		2	0.051	0.015	29					0.040	0.061	
Li		2	-0.003	0.000	0					-0.003	-0.003	
Mg		2	-0.070	0.008	-12					-0.076	-0.064	
Mn	0.100	2	0.103	0.001	1	0.003	3.0			0.104	0.102	
Mo		2	0.006	0.001	13					0.005	0.006	
Na	5.000	2	5.253	0.086	2	0.253	5.1			5.314	5.192	
Nd		2	0.008	0.008	104					0.002	0.013	
Ni	0.500	2	0.799	0.054	7	0.299	59.8	+		0.761	0.837	
P	4.000	2	4.363	0.013	0	0.363	9.1			4.372	4.354	
Pb	3.000	2	3.151	0.059	2	0.151	5.0			3.192	3.109	
Pd		2	0.014	0.012	89					0.005	0.022	
Rh		2	0.013	0.011	87					0.005	0.021	
Ru		2	0.010	0.004	42					0.007	0.013	
Sb	2.000	2	2.208	0.042	2	0.208	10.4	+		2.237	2.178	
Se	2.500	2	2.657	0.055	2	0.157	6.3			2.696	2.618	
Si	3.000	2	2.949	0.054	2	-0.051	-1.7			2.987	2.910	
Sn		2	0.126	0.033	26					0.103	0.149	
Sr		2	0.002	0.000	0					0.002	0.002	
Te		2	0.017	0.008	50					0.011	0.023	
Th		2	0.090	0.011	13					0.082	0.098	
Ti		2	0.001	0.001	141					0.000	0.001	
Tl		2	0.009	0.010	110					0.016	0.002	
U	20.000	2	20.102	0.375	2	0.102	0.5			20.367	19.836	
V	0.500	2	0.531	0.012	2	0.031	6.1			0.539	0.522	
W		2	0.025	0.014	57					0.015	0.035	
Y		2	0.001	0.001	141					0.000	0.001	
Zn		2	-0.007	0.001	-11					-0.007	-0.006	
Zr	0.500	2	0.515	0.011	2	0.015	2.9			0.522	0.507	
TIME	10000	2	########	0.000	0	0.000	0.0			########	########	

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Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC SSTA 9512	STA 9512081902	
										A0087	A0087	
										3/13/96	3/13/96	
Statistical Summary for 'QC SSTA 9512081902'										10:24	12:29	
("QC-SSTA" Interference Check Std.)										CONC	CONC	
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1243	1289	
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	
Ag		2	-0.097	0.003	-40					-0.009	-0.005	
Al	250.0	2	259.582	3.073	1	9.582	3.8			261.755	257.409	
As		2	0.390	0.006	1					0.394	0.386	
B		2	0.057	0.001	1					0.056	0.057	
Ba		2	0.009	0.000	0					0.009	0.009	
Be		2	-0.001	0.000	0					-0.001	-0.001	
Bi	200.0	2	199.439	2.629	1	-0.561	-0.3			201.298	197.580	
Ca	250.0	2	257.141	2.175	1	7.141	2.9			258.679	255.603	
Cd		2	0.076	0.005	7					0.072	0.079	
Ce		2	0.165	0.006	3					0.169	0.161	
Co		2	0.014	0.001	10					0.013	0.015	
Cr		2	0.249	0.001	0					0.249	0.248	
Cu		2	-0.117	0.005	-4					-0.113	-0.120	
Dy		2	0.039	0.001	4					0.038	0.040	
Eu		2	0.093	0.001	1					0.093	0.092	
Fe	200.0	2	201.586	2.123	1	1.586	0.8			203.087	200.085	
K	100.0	2	104.005	1.594	2	4.005	4.0			105.132	102.878	
La	50.0	2	52.393	0.606	1	2.393	4.8			52.821	51.964	
Li		2	0.031	0.002	7					0.029	0.032	
Mg		2	-0.536	0.091	-17					-0.600	-0.472	
Mn		2	0.016	0.000	0					0.016	0.016	
Mo		2	0.105	0.001	1					0.104	0.106	
Na		2	0.888	0.012	1					0.879	0.896	
Nd		2	0.234	0.004	2					0.231	0.236	
Ni	200.0	2	197.156	0.911	0	-2.844	-1.4			197.800	196.512	
P	200.0	2	205.407	2.620	1	5.406	2.7			207.259	203.554	
Pb		2	1.031	0.001	0					1.031	1.030	
Pd		2	0.668	0.088	13					0.730	0.606	
Rh		2	0.252	0.018	7					0.239	0.265	
Ru		2	0.321	0.045	14					0.289	0.353	
Sb		2	0.482	0.001	0					0.481	0.483	
Se		2	1.558	0.017	1					1.570	1.546	
Si		2	-0.184	0.030	-16					-0.205	-0.163	
Sn		2	3.554	0.072	2					3.503	3.605	
Sr		2	0.020	0.000	0					0.020	0.020	
Te		2	0.658	0.004	1					0.660	0.655	
Th		2	0.803	0.110	14					0.725	0.881	
Ti		2	0.006	0.000	0					0.006	0.006	
Tl		2	0.314	0.015	5					0.324	0.303	
U	200.0	2	199.901	2.900	1	-0.100	0.0			201.951	197.850	
V		2	0.055	0.003	5					0.053	0.057	
W		2	0.565	0.002	0					0.566	0.563	
Y		2	0.026	0.000	0					0.026	0.026	
Zn		2	0.068	0.003	4					0.070	0.066	
Zr		2	-0.012	0.008	-68					-0.006	-0.017	
TIME		2	########	0.000	0					########	########	

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

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A0087 ICP-325-V05-1 3/13/96 BM

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	SPC-BLK 108448	A0087	ICP1A	03/13/96	09:11	DRS	S	INT
2	SPC-BLK 108448	A0087	ICP1A	03/13/96	09:11	DRS	S	CONC
3	SPC-STD 960103I100	A0087	ICP1A	03/13/96	09:17	DRS	S	INT
4	SPC-STD 960103I100	A0087	ICP1A	03/13/96	09:17	DRS	S	CONC
5	ICP1.0	A0087	ICP1A	03/13/96	09:23		X	IR
6	ICP1.1B	A0087	ICP1A	03/13/96	09:27		X	IR
7	ICP1.1A	A0087	ICP1A	03/13/96	09:31		X	IR
8	ICP1.2	A0087	ICP1A	03/13/96	09:34		X	IR
9	ICP1.3	A0087	ICP1A	03/13/96	09:38		X	IR
10	ICP1.4	A0087	ICP1A	03/13/96	09:41		X	IR
11	ICP1.5	A0087	ICP1A	03/13/96	09:45		X	IR
12	ICP1.6	A0087	ICP1A	03/13/96	09:49		X	IR
13	ICP1.7	A0087	ICP1A	03/13/96	09:53		X	IR
14	ICP1.8	A0087	ICP1A	03/13/96	09:57		X	IR
15	ICP1.0 960103F100	A0087	ICP1A	03/13/96	10:14	DRS	S	CONC
PASS 16	QC_MCVA1 9602261901	A0087	ICP1A	03/13/96	10:16	DRS	Q	CONC
PASS 17	QC_MCVB2 9602211901	A0087	ICP1A	03/13/96	10:20	DRS	Q	CONC
18	QC SSTA 951208I902	A0087	ICP1A	03/13/96	10:24	DRS	S	CONC
19	QC SSTMCV 951208I903	A0087	ICP1A	03/13/96	10:28	DRS	S	CONC
20	QC_SRM1643d 108518	A0087	ICP1A	03/13/96	10:33	DRS	Q	CONC
21	QC CCV1 960126H901	A0087	ICP1A	03/13/96	10:37	DRS	S	CONC
22	ICP1.0 960103F100	A0087	ICP1A	03/13/96	10:40	DRS	S	CONC
23	NIST Al @10 PPM	A0087	ICP1A	03/13/96	10:42	DRS	S	CONC
24	NIST Al @1 PPM	A0087	ICP1A	03/13/96	10:46	DRS	S	CONC
25	IC STD @10 PPM	A0087	ICP1A	03/13/96	10:50	DRS	S	CONC
26	IC STD @5PPM	A0087	ICP1A	03/13/96	10:54	DRS	S	CONC
27	IC STD @ 1 PPM	A0087	ICP1A	03/13/96	10:58	DRS	S	CONC
28	#9 ACIDIFIED	A0087	ICP1A	03/13/96	11:01	DRS	S	CONC
29	#8 ACIDIFIED	A0087	ICP1A	03/13/96	11:05	DRS	S	CONC
30	#6 ACIDIFIED	A0087	ICP1A	03/13/96	11:10	DRS	S	CONC
31	#5 ACIDIFIED	A0087	ICP1A	03/13/96	11:15	DRS	S	CONC
PASS 32	QC_MCVA1 9602261901	A0087	ICP1A	03/13/96	11:21	DRS	Q	CONC
33	ICP1.0 960103F100	A0087	ICP1A	03/13/96	11:25	DRS	S	CONC
34	96-2617-BLK	A0087	ICP1A	03/13/96	11:32	DRS	S	CONC
35	96-2617 @5	A0087	ICP1A	03/13/96	11:36	DRS	S	CONC
36	96-2617	A0087	ICP1A	03/13/96	11:40	DRS	S	CONC
37	96-2617 PSA	A0087	ICP1A	03/13/96	11:44	DRS	S	CONC
38	MCVA1 @2	A0087	ICP1A	03/13/96	11:48	DRS	S	CONC
39	96-2617 PSB	A0087	ICP1A	03/13/96	11:51	DRS	S	CONC
40	QC MCVB2 @2	A0087	ICP1A	03/13/96	11:55	DRS	S	CONC
41	96-2617 DUP	A0087	ICP1A	03/13/96	11:59	DRS	S	CONC
976 42	Na @1000 PPM	A0087	ICP1A	03/13/96	12:02	DRS	S	CONC
PASS 43	QC_MCVA1 9602261901	A0087	ICP1A	03/13/96	12:08	DRS	Q	CONC
44	ICP1.0 960103F100	A0087	ICP1A	03/13/96	12:12	DRS	S	CONC
45	96-2618	A0087	ICP1A	03/13/96	12:14	DRS	S	CONC
46	96-2618 DUP	A0087	ICP1A	03/13/96	12:18	DRS	S	CONC
PASS 47	QC_MCVA1 9602261901	A0087	ICP1A	03/13/96	12:22	DRS	Q	CONC
PASS 48	QC_MCVB2 9602211901	A0087	ICP1A	03/13/96	12:25	DRS	Q	CONC
49	QC SSTA 951208I902	A0087	ICP1A	03/13/96	12:29	DRS	S	CONC
50	QC SSTMCV 951208I903	A0087	ICP1A	03/13/96	12:33	DRS	S	CONC
51	QC_SRM-1643d 108518	A0087	ICP1A	03/13/96	12:37	DRS	Q	CONC
52	QC CCV1 960126H901	A0087	ICP1A	03/13/96	12:41	DRS	S	CONC
53	ICP1.0 960103F100	A0087	ICP1A	03/13/96	12:47	DRS	S	CONC

#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108448	7265	2273.33	1765.67	1245.67	337.333	194
2	SPC-BLK 108448	.0091	.0465	.0505	.0008	.0014	.0002
3	SPC-STD 960103I100	7361.33	2321	1779.33	1294.33	340	195
4	SPC-STD 960103I100	.0122	.0591	.0566	.0066	.0017	.0002
5	ICP1.0	.73089	.22879	.17613	.12323	.03409	.0195
6	ICP1.1B					.77366	
7	ICP1.1A					7.18806	
8	ICP1.2		61.3094		40.3795		
9	ICP1.3						
10	ICP1.4			20.9707			
11	ICP1.5						
12	ICP1.6						1.6969
13	ICP1.7	28.0513					
14	ICP1.8						
15	ICP1.0 960103F100	.0017	.0059	-.0134	-.0006	-.0004	.0000
16	QC_MCVA1 960226I901	.4739	9.784	2.526	2.048	.4903	.0933
17	QC_MCVB2 960221I901	-.0053	-.0221	.3001	.1706	.0003	.0008
18	QC SSTA 951208I902	-.0087	261.8	.3937	.0560	.0094	-.0009
19	QC SSTMCV 951208I903	.5217	5.427	2.204	.0019	.1052	.1028
20	QC_SRM1643d 108518	Q.0014	Q.1484	Q.0648	Q.1524	.5267	Q.0125
21	QC CCV1 960126H901	.0023	2.016	2.122	2.109	1.005	1.005
22	ICP1.0 960103F100	.0022	.0017	-.0095	.0003	.0001	.0007
23	NIST Al @10 PPM	.0003	9.915	.0002	-.0006	-.0003	.0002
24	NIST Al @1 PPM	.0005	.9846	-.0058	-.0027	-.0005	.0001
25	IC STD @10 PPM	-.0029	8.650	-.0044	.0140	.0007	-.0000
26	IC STD @5PPM	-.0018	4.384	-.0071	.0037	.0002	.0000
27	IC STD @ 1 PPM	-.0049	1.747	-.0058	.0244	-.0009	-.0001
28	#9 ACIDIFIED	.0001	.9316	.0198	-.0038	-.0002	.0000
29	#8 ACIDIFIED	.0017	1.071	-.0035	-.0059	.0004	.0000
30	#6 ACIDIFIED	.0015	.6970	.0212	-.0053	.0003	.0000
31	#5 ACIDIFIED	.0012	.7012	.0158	-.0066	.0001	.0001
32	QC_MCVA1 960226I901	.4723	9.799	2.524	2.047	.4900	.0934
33	ICP1.0 960103F100	-.0001	.0142	-.0065	-.0013	-.0002	.0001
34	96-2617-BLK	.0033	.0243	-.0074	.0293	.0014	.0001
35	96-2617 @5	-.0020	1.329	-.0007	.0138	-.0005	-.0000
36	96-2617	.0019	5.962	.0656	.0950	.0017	.0001
37	96-2617 PSA	.2159	8.343	1.339	1.118	.2543	.0495
38	MCVA1 @2	.2454	5.089	1.304	1.070	.2530	.0485
39	96-2617 PSB	-.0023	3.266	.1811	.1307	.0011	.0004
40	QC MCVB2 @2	-.0033	.0216	.1685	.0830	-.0004	.0004
41	96-2617 DUP	.0033	4.882	.0711	.1321	.0009	.0002
42	Na @1000 PPM	.0009	.0211	.0066	-.0023	-.0001	.0000
43	QC_MCVA1 960226I901	.4830	10.03	2.563	2.095	.5018	.0953
44	ICP1.0 960103F100	.0024	.0303	-.0009	.0016	.0005	.0002
45	96-2618	.0032	.7410	.0611	.1099	.0013	.0002
46	96-2618 DUP	.0032	1.024	.0552	.0848	.0021	.0002
47	QC_MCVA1 960226I901	.4792	9.989	2.562	2.095	.5003	.0954
48	QC_MCVB2 960221I901	-.0058	.0369	.3158	.1653	.0006	.0009
49	QC SSTA 951208I902	-.0049	257.4	.3862	.0566	.0092	-.0007
50	QC SSTMCV 951208I903	.5080	5.382	2.143	.0012	.1018	.0992
51	QC_SRM-1643d 108518	Q.0028	Q.1826	Q.0573	.1480	.5092	Q.0122
52	QC CCV1 960126H901	.0010	1.993	2.091	2.067	.9808	.9828
53	ICP1.0 960103F100	.0007	.0171	.0061	-.0042	.0004	.0003

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#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SPC-BLK 108448	1594	1395	533.667	6923	1546	497
2	SPC-BLK 108448	.0359	.0009	.0005	.0691	.0069	.0046
3	SPC-STD 960103I100	1859.33	1738.33	542.667	6947.67	1558.67	513.333
4	SPC-STD 960103I100	.0599	.1076	.0014	.0744	.0083	.0075
5	ICP1.0	.15883	.1402	.05243	.69643	.15569	.05053
6	ICP1.1B					1.91273	1.24476
7	ICP1.1A					16.518	11.2522
8	ICP1.2		79.5814	8.96576			
9	ICP1.3						
10	ICP1.4				21.315		
11	ICP1.5						
12	ICP1.6						
13	ICP1.7	22.852					
14	ICP1.8						
15	ICP1.0 960103F100	-.0044	.0062	.0125	-.0050	-.0010	.0005
16	QC_MCVA1 960226I901	23.60	24.68	.4913	-.0293	.9800	.9877
17	QC_MCVB2 960221I901	.0754	.0220	.0116	2.003	-.0008	.0057
18	QC SSTA 951208I902	201.3	258.7	.0722	.1689	.0127	.2486
19	QC SSTMCV 951208I903	1.769	1.246	.2146	.0076	-.0005	.3211
20	QC_SRM1643d 108518	.0396	@32.49	@.0126	-.0090	@.0265	@.0195
21	QC CCV1 960126H901	1.974	2.116	1.039	-.0091	1.042	.5167
22	ICP1.0 960103F100	-.0017	.0077	.0065	-.0076	-.0001	-.0013
23	NIST Al @10 PPM	.0120	-.0222	.0018	-.0097	-.0005	.0008
24	NIST Al @1 PPM	.0076	-.0284	.0066	-.0184	-.0013	-.0004
25	IC STD @10 PPM	-.0134	-.0127	.0088	-.0294	-.0028	-.0003
26	IC STD @5PPM	-.0063	-.0130	.0128	-.0188	-.0017	-.0001
27	IC STD @ 1 PPM	-.0082	-.0213	.0079	-.0429	-.0040	-.0016
28	#9 ACIDIFIED	.0036	.1228	.0113	-.0078	-.0015	-.0018
29	#8 ACIDIFIED	.0020	.1541	.0137	.0176	.0007	-.0001
30	#6 ACIDIFIED	.0046	.1526	.0065	.0149	.0003	.0008
31	#5 ACIDIFIED	.0115	.1297	.0027	.0050	.0007	-.0008
32	QC_MCVA1 960226I901	23.58	24.71	.4809	-.0304	.9814	.9835
33	ICP1.0 960103F100	.0107	.0159	.0098	-.0067	.0001	-.0007
34	96-2617-BLK	.0118	.7154	.0097	.0237	.0017	-.0008
35	96-2617 @5	.4348	.4091	.0079	-.0182	-.0021	.6424
36	96-2617	1.487	1.625	.0042	.0182	.0008	3.176
37	96-2617 PSA	13.31	13.89	.2569	-.0316	.5090	2.074
38	MCVA1 @2	12.28	12.90	.2578	-.0259	.5133	.5162
39	96-2617 PSB	1.117	1.090	.0110	1.023	.0000	1.551
40	QC MCVB2 @2	.0328	-.0050	.0163	1.026	.0004	.0024
41	96-2617 DUP	.6564	1.203	.0041	.0275	.0026	3.155
42	Na @1000 PPM	.0145	.0329	.0081	.0120	.0014	.0013
43	QC_MCVA1 960226I901	24.04	25.24	.4958	-.0344	1.006	1.003
44	ICP1.0 960103F100	.0413	.0305	.0039	.0169	.0027	.0009
45	96-2618	.4085	1.496	.0054	.0288	.0025	2.482
46	96-2618 DUP	.7059	1.556	.0057	.0459	.0034	2.527
47	QC_MCVA1 960226I901	24.00	25.21	.4973	-.0416	1.002	1.008
48	QC_MCVB2 960221I901	.0900	.0244	.0095	1.993	.0008	.0054
49	QC SSTA 951208I902	197.6	255.6	.0790	.1606	.0149	.2485
50	QC SSTMCV 951208I903	1.802	1.312	.2163	.0221	.0013	.3143
51	QC_SRM-1643d 108518	.0679	@31.75	@.0192	.0171	@.0277	@.0222
52	QC CCV1 960126H901	1.956	2.090	1.029	.0039	1.027	.5080
53	ICP1.0 960103F100	.0155	.0141	.0066	.0031	.0016	-.0005

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108448	543.333	2111	374	626.333	2209.67	1092
2	SPC-BLK 108448	-.0102	.0094	.0033	-.0003	1.788	.0177
3	SPC-STD 960103I100	20438.7	2316	376.333	684.333	2215	1095.67
4	SPC-STD 960103I100	9.875	.0127	.0038	.0005	1.908	.0188
5	ICP1.0	.0568	.21233	.03766	.06306	.22206	.10986
6	ICP1.1B	.45533			7.23073		
7	ICP1.1A	3.8803			66.078		
8	ICP1.2					2.4033	
9	ICP1.3		39.97	9.73313			5.18253
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						
15	ICP1.0 960103F100	-.0101	-.0004	-.0001	-.0082	-.2216	.0000
16	QC_MCVA1 960226I901	.9284	-.0060	-.0001	19.90	23.97	-.0056
17	QC_MCVB2 960221I901	.0300	2.036	2.054	.0227	-2.040	1.013
18	QC SSTA 951208I902	-.1130	.0377	.0930	203.1	105.1	52.82
19	QC SSTMCV 951208I903	-.0065	.0017	.0080	.6837	52.08	.0398
20	QC_SRM1643d 108518	@.0086	-.0012	.0008	@.1076	@1.849	.0095
21	QC CCV1 960126H901	2.025	-.0006	.0001	2.069	4.447	-.0013
22	ICP1.0 960103F100	-.0070	-.0012	-.0002	-.0072	-.5654	-.0012
23	NIST Al @10 PPM	-.0091	-.0012	-.0002	-.0088	-.5272	-.0011
24	NIST Al @1 PPM	-.0098	-.0017	-.0005	-.0104	-.5425	-.0015
25	IC STD @10 PPM	-.0077	-.0040	-.0012	.0022	-1.146	-.0067
26	IC STD @5PPM	-.0102	-.0023	-.0006	-.0037	-.6877	-.0030
27	IC STD @ 1 PPM	-.0098	-.0057	-.0018	-.0064	-1.360	-.0092
28	#9 ACIDIFIED	-.0101	-.0001	.0001	-.0095	-.2598	.0006
29	#8 ACIDIFIED	-.0099	.0023	.0010	-.0059	.3744	.0037
30	#6 ACIDIFIED	-.0088	.0023	.0007	-.0073	.2063	.0037
31	#5 ACIDIFIED	-.0094	.0017	.0006	-.0074	.1605	.0029
32	QC_MCVA1 960226I901	.9232	-.0054	.0000	19.90	23.81	-.0048
33	ICP1.0 960103F100	-.0091	-.0003	.0000	.0023	-.3668	-.0007
34	96-2617-BLK	-.0075	.0048	.0014	-.0018	.9322	.0078
35	96-2617 @5	-.0140	-.0026	-.0005	.1565	.1987	-.0040
36	96-2617	-.0119	.0008	.0015	.5608	5.440	.0018
37	96-2617 PSA	.4833	-.0057	-.0002	10.74	14.24	-.0072
38	MCVA1 @2	.4703	-.0041	-.0005	10.39	11.71	-.0035
39	96-2617 PSB	.0021	1.022	1.032	.4215	1.360	.5133
40	QC MCVB2 @2	.0041	1.030	1.044	-.0005	-1.261	.5170
41	96-2617 DUP	-.0103	.0035	.0031	.2500	5.754	.0046
42	Na @1000 PPM	-.0081	.0013	.0009	-.0075	-.0993	.0031
43	QC_MCVA1 960226I901	.9421	-.0062	-.0001	20.32	24.28	-.0048
44	ICP1.0 960103F100	-.0049	.0033	.0008	.0118	.3209	.0051
45	96-2618	-.0071	.0032	.0019	.1941	4.516	.0085
46	96-2618 DUP	-.0075	.0045	.0022	.3430	4.753	.0095
47	QC_MCVA1 960226I901	.9381	-.0067	-.0003	20.30	23.96	-.0065
48	QC_MCVB2 960221I901	.0205	2.004	2.026	.0228	-1.780	1.003
49	QC SSTA 951208I902	-.1201	.0397	.0918	200.1	102.9	51.96
50	QC SSTMCV 951208I903	-.0077	.0040	.0086	.7474	50.38	.0614
51	QC_SRM-1643d 108518	@.0089	.0020	.0017	@.1223	@2.208	.0173
52	QC CCV1 960126H901	1.969	.0019	.0007	2.033	4.516	.0039
53	ICP1.0 960103F100	-.0074	.0018	.0005	-.0069	-.2216	.0028

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
1	SPC-BLK 108448	428	2620	217	876	444.667	4029.33
2	SPC-BLK 108448	-.0060	.0205	-.0123	.0069	.0835	.0598
3	SPC-STD 960103I100	21292.7	2724	64605.3	914.667	449	4051
4	SPC-STD 960103I100	9.686	.0213	10.29	.0096	.1065	.0672
5	ICP1.0	.04416	.26373	.02526	.0885	.045	.40683
6	ICP1.1B		4.58283		1.24909	.50123	
7	ICP1.1A		38.7826		11.0021	4.45243	
8	ICP1.2	10.3317		6.18623			
9	ICP1.3						13.5773
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						
15	ICP1.0 960103F100	-.0044	-.0091	-.0059	-.0018	-.0261	-.0038
16	QC_MCVA1 960226I901	1.956	31.82	.4992	.9872	35.87	-.0355
17	QC_MCVB2 960221I901	-.0065	-.0910	-.0048	.0061	.1571	2.006
18	QC SSTA 951208I902	.0290	-.5997	.0164	.1042	.8790	.2312
19	QC SSTMCV 951208I903	-.0026	-.0760	.1044	.0053	5.314	.0016
20	QC_SRM1643d 108518	0.0149	08.750	0.0357	0.1153	022.51	.0018
21	QC CCV1 960126H901	2.027	2.138	1.057	2.021	8.513	-.0066
22	ICP1.0 960103F100	-.0052	-.0094	-.0052	.0016	-.0336	-.0128
23	NIST Al @10 PPM	-.0045	-.0160	-.0054	.0003	-.0205	-.0109
24	NIST Al @1 PPM	-.0047	-.0135	-.0059	-.0017	-.0373	-.0152
25	IC STD @10 PPM	-.0075	-.0196	-.0059	-.0013	34.37	-.0321
26	IC STD @5PPM	-.0057	-.0085	-.0060	-.0006	17.39	-.0151
27	IC STD @ 1 PPM	-.0087	-.0245	-.0060	-.0020	6.835	-.0409
28	#9 ACIDIFIED	-.0044	.0096	-.0058	-.0003	128.0	-.0049
29	#8 ACIDIFIED	-.0031	.0158	-.0056	-.0002	129.1	.0117
30	#6 ACIDIFIED	-.0028	.0089	-.0055	-.0008	127.6	.0093
31	#5 ACIDIFIED	-.0034	.0131	-.0056	-.0008	127.5	.0051
32	QC_MCVA1 960226I901	1.949	31.84	.5003	.9876	36.07	-.0358
33	ICP1.0 960103F100	-.0045	.0060	-.0055	.0003	-.0020	-.0092
34	96-2617-BLK	-.0008	.2481	-.0049	.0003	.4253	.0257
35	96-2617 @5	.2372	.1036	-.0048	.0558	160.9	-.0226
36	96-2617	1.213	.5425	-.0018	.2933	786.3	-.0009
37	96-2617 PSA	1.618	16.91	.2600	.6579	414.8	-.0391
38	MCVA1 @2	1.016	16.71	.2580	.5163	19.10	-.0277
39	96-2617 PSB	.5957	.2462	-.0026	.1451	388.6	1.004
40	QC MCVB2 @2	-.0055	-.0471	-.0053	.0031	.4486	1.023
41	96-2617 DUP	1.232	.4967	-.0036	.2936	793.4	.0137
42	Na @1000 PPM	-.0016	.0087	-.0057	.0023	976.0	.0091
43	QC_MCVA1 960226I901	2.023	32.46	.5104	1.010	37.53	-.0384
44	ICP1.0 960103F100	.0008	.0297	-.0048	.0020	.1093	.0148
45	96-2618	.3311	.5334	-.0035	.2579	741.6	.0188
46	96-2618 DUP	.3373	.5266	-.0029	.2618	753.9	.0249
47	QC_MCVA1 960226I901	2.010	32.39	.5095	1.012	37.66	-.0428
48	QC_MCVB2 960221I901	-.0052	-.0634	-.0047	.0073	.3191	1.987
49	QC SSTA 951208I902	.0324	-.4723	.0164	.1056	.8964	.2363
50	QC SSTMCV 951208I903	-.0026	-.0645	.1021	.0056	5.192	.0129
51	QC_SRM-1643d 108518	0.0180	08.530	0.0348	.1147	22.01	.0157
52	QC CCV1 960126H901	1.982	2.110	1.036	1.986	8.433	.0012
53	ICP1.0 960103F100	-.0026	-.0076	-.0054	.0007	-.0076	.0042

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#	Sample Name	Ni	P	Pb	Pd	Rh	Ru
1	SPC-BLK 108448	522.333	1392.67	14873	16295.7	16445.7	4648.33
2	SPC-BLK 108448	.0044	.0485	.0386	.1762	.0799	.0306
3	SPC-STD 960103I100	537.333	1525	132148	16398	16531	4700
4	SPC-STD 960103I100	.0096	.0147	10.25	.1946	.0894	.0382
5	ICP1.0	.05299	.13923	1.50846	1.63943	1.65333	.46923
6	ICP1.1B	.64786		7.44473			
7	ICP1.1A	5.56656		56.9709			
8	ICP1.2		11.9649				
9	ICP1.3						33.1197
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8				18.2396	42.672	
15	ICP1.0 960103F100	-.0006	.0010	-.0154	.0133	.0013	-.0035
16	QC_MCVA1 9602261901	.9768	4.791	2.415	-.1172	-.0501	.0010
17	QC_MCVB2 9602211901	.0214	.1092	.2211	1.744	1.949	2.061
18	QC SSTA 9512081902	197.8	207.3	1.031	.7303	.2394	.2886
19	QC SSTMCV 9512081903	.7608	4.372	3.192	.0050	.0051	.0072
20	QC_SRM1643d 108518	0.1286	.0339	0.0025	-.0043	-.0038	-.0028
21	QC CCV1 960126H901	2.122	5.009	2.060	.0068	-.0052	.0038
22	ICP1.0 960103F100	.0361	-.0062	-.0133	.0087	-.0037	-.0013
23	NIST Al @10 PPM	.0359	.0029	.0099	-.0009	-.0070	-.0030
24	NIST Al @1 PPM	.0282	.0100	-.0186	.0022	-.0094	-.0018
25	IC STD @10 PPM	.0336	-.0108	-.0090	-.0515	-.0285	-.0078
26	IC STD @5PPM	.0203	-.0040	-.0072	-.0216	-.0144	-.0070
27	IC STD @ 1 PPM	.0261	-.0245	-.0297	-.0754	-.0430	-.0144
28	#9 ACIDIFIED	.0117	.0272	-.0138	.0226	.0023	-.0002
29	#8 ACIDIFIED	.0134	.0205	-.0025	.0642	.0205	.0035
30	#6 ACIDIFIED	.0093	.0169	-.0009	.0608	.0215	.0032
31	#5 ACIDIFIED	.0073	.0127	-.0018	.0548	.0184	.0020
32	QC_MCVA1 9602261901	1.006	4.793	2.405	-.1081	-.0453	.0102
33	ICP1.0 960103F100	.0057	-.0008	-.0094	.0149	.0030	-.0006
34	96-2617-BLK	.0110	.2484	-.0020	.1038	.0363	.0062
35	96-2617 @5	.0027	13.59	-.0208	-.0203	-.0113	.0025
36	96-2617	.0036	69.10	.0066	.0588	.0388	.0445
37	96-2617 PSA	.5224	36.09	1.246	-.0853	-.0314	.0177
38	MCVA1 @2	.5252	2.561	1.254	-.0624	-.0312	.0015
39	96-2617 PSB	.0165	32.75	.1104	.9046	1.002	1.065
40	QC MCVB2 @2	.0218	.0972	.1118	.9429	1.016	1.062
41	96-2617 DUP	.0055	67.96	.0115	.0837	.0493	.0504
42	Na @1000 PPM	.0029	.0693	-.0006	.0564	.0163	.0082
43	QC_MCVA1 9602261901	1.016	4.887	2.452	-.1185	-.0500	.0096
44	ICP1.0 960103F100	.0039	.0218	-.0010	.0668	.0289	.0085
45	96-2618	.0044	63.36	.0022	.1071	.0551	.0479
46	96-2618 DUP	.0056	65.22	.0138	.1211	.0636	.0519
47	QC_MCVA1 9602261901	1.008	4.923	2.452	-.1198	-.0538	.0109
48	QC_MCVB2 9602211901	.0335	.1325	.2166	1.838	1.957	2.047
49	QC SSTA 9512081902	196.5	203.6	1.030	.6064	.2655	.3526
50	QC SSTMCV 9512081903	.8366	4.354	3.109	.0219	.0214	.0127
51	QC_SRM-1643d 108518	0.1526	.0574	0.0225	.0483	.0197	.0061
52	QC CCV1 960126H901	2.107	4.916	2.024	.0442	.0141	.0099
53	ICP1.0 960103F100	.0415	.0256	.0021	.0446	.0118	.0032

#	Sample Name	Sb	Se	Si	Sn	Sr	Te
1	SPC-BLK 108448	2817.67	1540	4177.67	7453.67	159.333	10986.7
2	SPC-BLK 108448	.0514	.0446	.0430	.2717	.0008	.0526
3	SPC-STD 960103I100	2938	1577.67	4297.67	7541.33	163	11706.3
4	SPC-STD 960103I100	.0904	.0696	.0741	.2960	.0012	.0838
5	ICP1.0	.28193	.15513	.41946	.7469	.01603	1.1081
6	ICP1.1B					.83516	
7	ICP1.1A					7.91569	
8	ICP1.2						
9	ICP1.3						
10	ICP1.4	24.7488					
11	ICP1.5						
12	ICP1.6			72.34			48.1709
13	ICP1.7		3.1965				
14	ICP1.8				7.4257		
15	ICP1.0 960103F100	-.0042	.0057	.0177	.0021	-.0000	.0027
16	QC_MCVA1 960226I901	2.513	2.466	18.15	.0890	.4986	.0194
17	QC_MCVB2 960221I901	.0911	.0619	7.458	2.067	.0027	1.916
18	QC SSTA 951208I902	.4810	1.570	-.2045	3.503	.0203	.6596
19	QC SSTMCV 951208I903	2.237	2.696	2.987	.1026	.0016	.0111
20	QC_SRM1643d 108518	0.0609	0.0161	2.761	-.0375	0.3086	.0015
21	QC CCV1 960126H901	.0156	2.035	4.873	.0213	2.034	.0168
22	ICP1.0 960103F100	-.0032	.0132	.0163	-.0230	.0014	-.0064
23	NIST Al @10 PPM	.0001	.0336	.0289	-.0418	.0005	.0173
24	NIST Al @1 PPM	-.0036	.0035	.0113	-.0407	.0000	-.0076
25	IC STD @10 PPM	-.0050	.0241	.1039	-.0866	.0001	-.0005
26	IC STD @5PPM	.0015	.0135	.0519	-.0501	.0001	.0044
27	IC STD @ 1 PPM	-.0099	-.0055	.1648	-.1237	-.0002	-.0150
28	#9 ACIDIFIED	.0005	.0189	.0057	-.0085	.0001	-.0019
29	#8 ACIDIFIED	.0041	.0110	.0158	.0339	.0003	-.0000
30	#6 ACIDIFIED	.0093	.0182	.0140	.0285	.0004	.0040
31	#5 ACIDIFIED	.0080	.0138	.0141	.0152	.0003	.0075
32	QC_MCVA1 960226I901	2.517	2.448	18.12	.1071	.5013	.0211
33	ICP1.0 960103F100	-.0055	.0142	.0230	-.0204	.0003	-.0037
34	96-2617-BLK	.0102	.0173	.0399	.0680	.0038	.0095
35	96-2617 @5	-.0002	.0073	.1175	-.0689	.0026	-.0064
36	96-2617	.0121	.0621	.6107	.0076	.0099	.0298
37	96-2617 PSA	1.318	1.347	9.796	-.0110	.2661	.0107
38	MCVA1 @2	1.314	1.294	9.524	.0414	.2601	.0108
39	96-2617 PSB	.0549	.0476	3.400	1.046	.0081	.9930
40	QC MCVB2 @2	.0581	.0484	3.081	1.095	.0012	1.001
41	96-2617 DUP	.0235	.0350	.6958	.0455	.0061	.0260
42	Na @1000 PPM	.0149	.0193	.0394	.0426	.0003	.0074
43	QC_MCVA1 960226I901	2.559	2.518	18.52	.0686	.5145	.0176
44	ICP1.0 960103F100	.0164	.0227	.0503	.0293	.0008	.0166
45	96-2618	.0185	.0343	.9625	.0511	.0069	.0290
46	96-2618 DUP	.0192	.0454	.9735	.0793	.0086	.0405
47	QC_MCVA1 960226I901	2.572	2.522	18.47	.0747	.5135	.0179
48	QC_MCVB2 960221I901	.1049	.0858	7.111	2.078	.0027	1.901
49	QC SSTA 951208I902	.4826	1.546	-.1635	3.605	.0202	.6547
50	QC SSTMCV 951208I903	2.178	2.618	2.910	.1487	.0018	.0227
51	QC_SRM-1643d 108518	0.0670	0.0345	2.694	.0435	.3004	.0113
52	QC CCV1 960126H901	.0213	2.003	4.797	.0661	2.000	.0163
53	ICP1.0 960103F100	.0141	.0060	.0223	.0072	.0008	.0050

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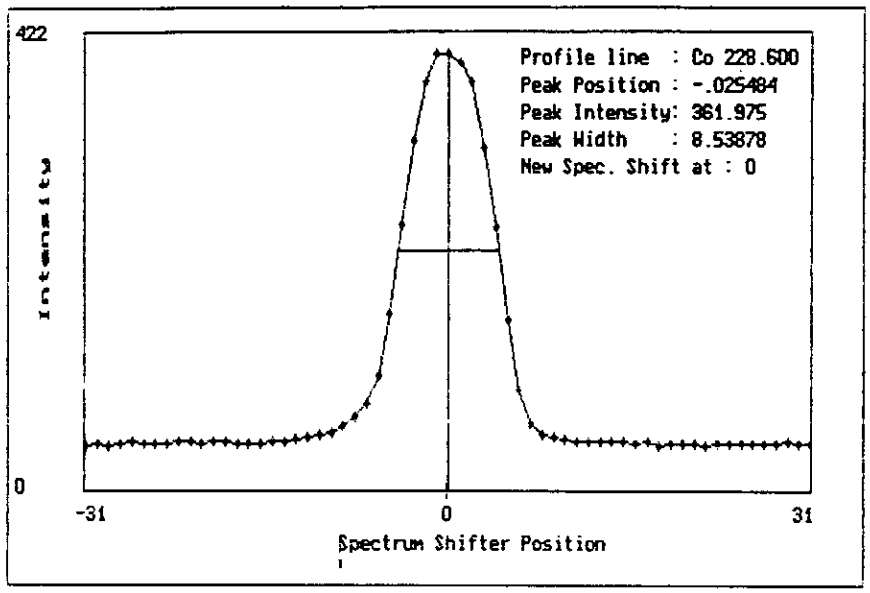
#	Sample Name	Th	Ti	Tl	U	V	W
1	SPC-BLK 108448	2549.67	705	420.667	18491.3	1066.33	345
2	SPC-BLK 108448	-.0082	.0034	.0748	.8220	.0073	.0235
3	SPC-STD 960103I100	2583.67	713	451	18576.3	1077	358.333
4	SPC-STD 960103I100	.0019	.0045	.1276	.9100	.0090	.0477
5	ICP1.0	.25763	.07086	.0423	1.86273	.10719	.03506
6	ICP1.1B		1.43723				
7	ICP1.1A		13.3384				
8	ICP1.2						
9	ICP1.3	11.0209					
10	ICP1.4					11.0748	
11	ICP1.5				45.5622		
12	ICP1.6						
13	ICP1.7			1.25436			
14	ICP1.8						2.87286
15	ICP1.0 960103F100	-.0041	-.0005	-.0108	-.0770	-.0005	-.0013
16	QC_MCVA1 960226I901	.0408	.9730	2.369	-.4949	.9820	.0291
17	QC_MCVB2 960221I901	10.16	.0039	.0048	22.96	-.0008	1.982
18	QC SSTA 951208I902	.7252	.0062	.3239	202.0	.0526	.5657
19	QC SSTMCV 951208I903	.0817	.0001	.0163	20.37	.5386	.0148
20	QC_SRM1643d 108518	-.0079	-.0001	0.0075	.0769	.0350	.0071
21	QC CCV1 960126H901	.0124	-.0005	1.999	-.1212	1.002	.0076
22	ICP1.0 960103F100	-.0021	-.0007	.0006	-.1568	.0000	-.0066
23	NIST Al @10 PPM	-.0022	-.0008	-.0032	-.1342	-.0011	-.0077
24	NIST Al @1 PPM	-.0009	-.0008	-.0106	-.1738	-.0012	.0001
25	IC STD @10 PPM	-.0046	-.0007	-.0052	-.3924	-.0030	-.0054
26	IC STD @5PPM	.0017	-.0005	-.0091	-.2244	-.0018	-.0069
27	IC STD @ 1 PPM	.0001	-.0018	-.0190	-.5260	-.0042	-.0117
28	#9 ACIDIFIED	-.0003	-.0001	-.0015	-.0802	-.0008	-.0090
29	#8 ACIDIFIED	.0017	.0006	-.0014	.1833	.0008	-.0016
30	#6 ACIDIFIED	-.0059	.0005	.0046	.1652	.0006	.0014
31	#5 ACIDIFIED	-.0036	.0003	-.0068	.0419	.0006	.0015
32	QC_MCVA1 960226I901	.0425	.9761	2.388	-.5023	.9835	.0273
33	ICP1.0 960103F100	.0021	.0001	-.0075	-.1170	-.0005	-.0006
34	96-2617-BLK	-.0106	.0014	-.0037	.3461	.0020	.0065
35	96-2617 @5	-.0015	-.0014	-.0081	.0181	-.0021	-.0015
36	96-2617	.0037	-.0001	.0142	1.460	.0018	.0208
37	96-2617 PSA	.0337	.5065	1.229	.2207	.5117	.0141
38	MCVA1 @2	.0238	.5055	1.230	-.3582	.5100	.0127
39	96-2617 PSB	5.166	.0018	-.0039	12.08	-.0003	1.011
40	QC MCVB2 @2	5.201	.0018	.0036	11.54	-.0004	1.008
41	96-2617 DUP	.0140	.0006	.0200	1.481	.0024	.0260
42	Na @1000 PPM	-.0069	.0001	-.0002	.1478	.0011	-.0015
43	QC_MCVA1 960226I901	.0465	.9975	2.431	-.5296	1.005	.0346
44	ICP1.0 960103F100	-.0058	.0017	.0020	.2269	.0022	.0072
45	96-2618	-.0005	.0012	.0028	.5265	.0038	.0217
46	96-2618 DUP	-.0033	.0013	.0098	.6513	.0041	.0228
47	QC_MCVA1 960226I901	.0410	.9964	2.417	-.5632	1.004	.0229
48	QC_MCVB2 960221I901	10.06	.0046	.0044	22.56	.0004	1.944
49	QC SSTA 951208I902	.8815	.0065	.3032	197.8	.0571	.5628
50	QC SSTMCV 951208I903	.0977	.0007	.0020	19.84	.5224	.0354
51	QC_SRM-1643d 108518	-.0072	.0010	0.0079	.3652	0.0360	.0108
52	QC CCV1 960126H901	.0039	.0002	1.928	.0625	.9786	.0205
53	ICP1.0 960103F100	-.0009	.0000	-.0010	.0786	.0005	-.0056

Analysis Report Averages Wed 03-13-96 02:10:42 PM page 9

#	Sample Name	Y	Zn	Zr			
1	SPC-BLK 108448	270.667	391.667	858.667			
2	SPC-BLK 108448	.0031	-.0136	.0057			
3	SPC-STD 960103I100	273.333	138499	864.667			
4	SPC-STD 960103I100	.0040	10.06	.0060			
5	ICP1.0	.02736	.04693	.08646			
6	ICP1.1B		2.85159	2.5478			
7	ICP1.1A		26.3768	23.4714			
8	ICP1.2						
9	ICP1.3						
10	ICP1.4	2.85439					
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						
15	ICP1.0 960103F100	-.0003	-.0066	-.0020			
16	QC_MCVA1 960226I901	-.0013	.9622	1.950			
17	QC_MCVB2 960221I901	.9965	-.0019	-.0630			
18	QC SSTA 951208I902	.0261	.0703	-.0062			
19	QC SSTMCV 951208I903	.0004	-.0070	.5216			
20	QC_SRM1643d 108518	-.0000	.0724	-.0017			
21	QC CCV1 960126H901	-.0004	1.032	-.0029			
22	ICP1.0 960103F100	-.0006	-.0053	-.0031			
23	NIST Al @10 PPM	-.0005	-.0077	-.0025			
24	NIST Al @1 PPM	-.0009	-.0070	-.0029			
25	IC STD @10 PPM	-.0016	.0021	-.0006			
26	IC STD @5PPM	-.0009	-.0030	-.0018			
27	IC STD @ 1 PPM	-.0021	-.0043	-.0025			
28	#9 ACIDIFIED	-.0006	-.0021	-.0023			
29	#8 ACIDIFIED	.0005	.0002	-.0005			
30	#6 ACIDIFIED	.0004	.0030	.0000			
31	#5 ACIDIFIED	.0002	-.0003	-.0003			
32	QC_MCVA1 960226I901	-.0008	.9712	1.955			
33	ICP1.0 960103F100	-.0003	-.0050	-.0013			
34	96-2617-BLK	.0010	-.0034	.0017			
35	96-2617 @5	-.0011	-.0066	.0062			
36	96-2617	-.0003	-.0039	.0312			
37	96-2617 PSA	-.0015	.5101	1.038			
38	MCVA1 @2	-.0011	.5068	1.012			
39	96-2617 PSB	.5011	-.0012	-.0151			
40	QC MCVB2 @2	.5046	-.0045	-.0376			
41	96-2617 DUP	.0011	-.0056	.0144			
42	Na @1000 PPM	.0007	-.0043	.0001			
43	QC_MCVA1 960226I901	-.0016	.9904	2.003			
44	ICP1.0 960103F100	.0005	-.0042	.0023			
45	96-2618	.0006	-.0050	.0111			
46	96-2618 DUP	.0011	-.0047	.0198			
47	QC_MCVA1 960226I901	-.0016	.9946	2.000			
48	QC_MCVB2 960221I901	.9749	-.0016	-.0682			
49	QC SSTA 951208I902	.0258	.0661	-.0174			
50	QC SSTMCV 951208I903	.0005	-.0055	.5071			
51	QC_SRM-1643d 108518	.0008	0.0714	.0004			
52	QC CCV1 960126H901	-.0000	1.024	-.0007			
53	ICP1.0 960103F100	.0002	-.0055	-.0004			

A 0067
ICP-325-405-1
3/13/96 DMS



Analysis Report Wed 03-13-96 09:12:44 AM page 1

Method: ICP1A Sample Name: SPC-BLK 108448 Operator: DRS
Run Time: 03/13/96 09:11:26
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	7265	2273	1766	1246	337	194	1594
SDev	9	10	16	13	1	0	38
%RSD	.1262	.4317	.9103	1.069	.1712	.0000	2.411
#1	7255	2262	1784	1249	337	194	1551
#2	7267	2279	1759	1231	338	194	1625
#3	7273	2279	1754	1257	337	194	1606

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1395	534	6923	1546	497	543	2111
SDev	3	13	7	6	9	2	1
%RSD	.2151	2.409	.1011	.4039	1.743	.3831	.0474
#1	1395	539	6918	1548	492	541	2110
#2	1392	519	6931	1539	507	544	2112
#3	1398	543	6920	1551	492	545	2111

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	374	626	2210	1092	428	2620	217
SDev	1	4	6	1	0	13	2
%RSD	.2674	.5607	.2613	.0916	.0000	.4991	.7982
#1	373	623	2203	1091	428	2605	216
#2	375	626	2213	1092	428	2626	219
#3	374	630	2213	1093	428	2629	216

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	876	445	4029	522	1393	14870	16300
SDev	6	4	11	2	28	21	19
%RSD	.7129	.8514	.2822	.4421	2.021	.1399	.1162
#1	878	442	4020	521	1396	14860	16270
#2	869	443	4042	525	1419	14900	16310
#3	881	449	4026	521	1363	14860	16300

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	16450	4648	2818	1540	4178	7454	159
SDev	56	7	19	15	4	36	1
%RSD	.3410	.1586	.6643	.9566	.0967	.4819	.3624
#1	16390	4654	2810	1556	4173	7415	159
#2	16500	4640	2804	1537	4180	7460	159
#3	16450	4651	2839	1527	4180	7486	160

Elem	Te	Th	Ti	Tl	U	V	W
Avge	10990	2550	705	421	18490	1066	345
SDev	83	12	3	2	63	1	6
%RSD	.7561	.4512	.4255	.3631	.3402	.0541	1.739
#1	11060	2538	702	421	18430	1066	351
#2	11000	2550	705	422	18560	1067	345
#3	10900	2561	708	419	18480	1066	339

Elem	Y	Zn	Zr
Avge	271	392	859
SDev	1	8	2
%RSD	.2133	2.079	.2424
#1	271	388	857
#2	270	401	861
#3	271	386	858

Analysis Report Wed 03-13-96 09:15:53 AM page 1

Method: ICP1A Sample Name: SPC-BLK 108448 Operator: DRS
Run Time: 03/13/96 09:11:26
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	.0465	.0505	.0008	.0014	.0002	.0359
SDev	.0003	.0060	.0082	.0017	.0001	.0000	.0170
%RSD	3.019	12.96	16.20	216.2	5.542	4.743	47.31
#1	.0090	.0396	.0598	.0012	.0013	.0002	.0169
#2	.0089	.0493	.0469	-.0011	.0015	.0002	.0496
#3	.0094	.0506	.0447	.0022	.0013	.0002	.0412

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0005	.0691	.0069	.0046	-.0102	.0094
SDev	.0011	.0014	.0012	.0008	.0015	.0009	.0000
%RSD	123.8	302.5	1.714	11.12	32.41	9.040	.3606
#1	.0012	.0010	.0684	.0071	.0038	-.0112	.0093
#2	-.0003	-.0011	.0705	.0060	.0064	-.0100	.0094
#3	.0019	.0016	.0685	.0075	.0038	-.0094	.0094

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	-.0003	1.788	.0177	-.0060	.0205	-.0123
SDev	.0002	.0010	.130	.0003	.0000	.0061	.0003
%RSD	5.633	305.8	7.247	1.930	.0000	29.53	2.079
#1	.0031	-.0012	1.639	.0175	-.0060	.0142	-.0124
#2	.0035	-.0005	1.863	.0176	-.0060	.0210	-.0120
#3	.0033	.0008	1.863	.0181	-.0060	.0263	-.0124

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	.0835	.0598	.0044	.0485	.0386	.1762
SDev	.0011	.0202	.0038	.0008	.0236	.0015	.0039
%RSD	16.08	24.19	6.386	18.26	48.60	3.893	2.194
#1	.0073	.0692	.0567	.0039	.0510	.0378	.1729
#2	.0056	.0746	.0640	.0053	.0707	.0404	.1805
#3	.0078	.1066	.0586	.0039	.0238	.0378	.1753

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0800	.0306	.0514	.0446	.0430	.2717	.0008
SDev	.0063	.0013	.0061	.0098	.0010	.0308	.0001
%RSD	7.936	4.380	11.86	21.96	2.281	11.32	9.320
#1	.0734	.0317	.0489	.0552	.0426	.2394	.0007
#2	.0861	.0291	.0469	.0426	.0423	.2751	.0007
#3	.0803	.0310	.0583	.0360	.0441	.3006	.0008

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0526	-.0082	.0034	.0748	.8220	.0073	.0235
SDev	.0090	.0052	.0004	.0024	.0704	.0001	.0111

%RSD	17.10	63.81	12.23	3.160	8.561	.7741	47.04
#1	.0606	-.0096	.0030	.0750	.7576	.0073	.0347
#2	.0542	-.0125	.0033	.0771	.8971	.0073	.0235
#3	.0429	-.0024	.0038	.0724	.8112	.0072	.0125

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0031	-.0136	.0057
SDev	.0002	.0006	.0007
%RSD	7.798	4.351	11.68
#1	.0033	-.0139	.0055
#2	.0028	-.0129	.0064
#3	.0032	-.0140	.0051

Analysis Report Wed 03-13-96 09:18:59 AM page 1

Method: ICP1A Sample Name: SPC-STD 960103I100 Operator: DRS
Run Time: 03/13/96 09:17:41
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	7361	2321	1779	1294	340	195	1859
SDev	23	6	8	13	2	0	17
%RSD	.3099	.2399	.4713	1.026	.5094	.0000	.9196
#1	7386	2327	1789	1279	342	195	1879
#2	7341	2316	1774	1302	339	195	1851
#3	7357	2320	1775	1302	339	195	1848

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1738	543	6948	1559	513	20440	2316
SDev	7	8	29	10	5	66	10
%RSD	.3830	1.489	.4214	.6739	.9805	.3239	.4164
#1	1744	544	6979	1569	508	20400	2327
#2	1731	534	6921	1548	514	20400	2312
#3	1740	550	6943	1559	518	20520	2309

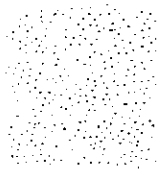
Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	376	684	2215	1096	21290	2724	64610
SDev	2	1	4	4	64	9	223
%RSD	.4059	.0844	.1968	.3205	.3028	.3200	.3458
#1	378	685	2220	1099	21220	2734	64590
#2	375	684	2212	1092	21320	2718	64390
#3	376	684	2213	1096	21340	2720	64840

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	915	449	4051	537	1525	132100	16400
SDev	1	4	15	10	10	461	72
%RSD	.0631	.8030	.3653	1.836	.6846	.3489	.4376
#1	915	452	4068	542	1518	132200	16480
#2	915	450	4041	526	1520	131700	16330
#3	914	445	4044	544	1537	132600	16390

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	16530	4700	2938	1578	4298	7541	163
SDev	72	20	26	14	17	39	1
%RSD	.4357	.4250	.8869	.9171	.3992	.5191	.6135
#1	16610	4710	2965	1587	4316	7586	164
#2	16470	4713	2936	1585	4282	7513	162
#3	16520	4677	2913	1561	4295	7525	163

Elem	Te	Th	Ti	Tl	U	V	W
Avge	11710	2584	713	451	18580	1077	358
SDev	49	10	3	2	61	3	6
%RSD	.4204	.3759	.3711	.4435	.3298	.2457	1.611
#1	11760	2592	716	451	18620	1080	365
#2	11660	2573	712	453	18510	1075	355
#3	11700	2586	711	449	18610	1076	355

Elem	Y	Zn	Zr
Avge	273	138500	865
SDev	1	248	3
%RSD	.2112	.1789	.3533
#1	274	138400	868
#2	273	138300	862
#3	273	138800	864



Analysis Report Wed 03-13-96 09:20:47 AM page 1

Method: ICP1A Sample Name: SPC-STD 960103I100 Operator: DRS
Run Time: 03/13/96 09:17:41
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0122	.0591	.0566	.0066	.0017	.0002	.0599
SDev	.0006	.0028	.0039	.0017	.0002	.0000	.0077
%RSD	5.004	4.718	6.855	25.33	13.24	4.677	12.89
#1	.0129	.0623	.0611	.0046	.0020	.0002	.0688
#2	.0118	.0576	.0543	.0076	.0016	.0002	.0564
#3	.0120	.0574	.0544	.0075	.0016	.0002	.0546

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1076	.0014	.0744	.0083	.0075	9.875	.0127
SDev	.0018	.0009	.0065	.0012	.0009	.033	.0011
%RSD	1.644	63.86	8.797	14.25	11.76	.3326	8.855
#1	.1091	.0015	.0814	.0094	.0065	9.854	.0140
#2	.1057	.0005	.0686	.0071	.0076	9.858	.0124
#3	.1080	.0022	.0731	.0083	.0083	9.913	.0118

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.0005	1.908	.0188	9.686	.0213	10.29
SDev	.0003	.0002	.098	.0012	.030	.0041	.04
%RSD	7.651	39.07	5.128	6.409	.3092	19.16	.3472
#1	.0041	.0006	2.020	.0199	9.652	.0255	10.29
#2	.0035	.0006	1.841	.0175	9.696	.0212	10.26
#3	.0037	.0003	1.863	.0188	9.709	.0173	10.33

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0096	.1065	.0672	.0096	.0147	10.25	.1946
SDev	.0001	.0192	.0052	.0034	.0085	.04	.0178
%RSD	1.101	18.02	7.712	35.66	58.12	.3896	9.165
#1	.0097	.1224	.0732	.0112	.0087	10.25	.2140
#2	.0097	.1118	.0639	.0056	.0109	10.21	.1789
#3	.0095	.0852	.0645	.0119	.0244	10.29	.1910

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0894	.0382	.0904	.0696	.0741	.2960	.0012
SDev	.0083	.0032	.0085	.0096	.0035	.0316	.0001
%RSD	9.347	8.247	9.381	13.86	4.736	10.66	10.09
#1	.0985	.0395	.0992	.0757	.0781	.3322	.0013
#2	.0822	.0404	.0898	.0746	.0713	.2743	.0011
#3	.0874	.0346	.0823	.0585	.0730	.2815	.0012

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0838	.0019	.0045	.1276	.9100	.0090	.0477
SDev	.0051	.0011	.0004	.0037	.0670	.0004	.0105

%RSD	6.125	58.78	8.104	2.899	7.359	4.445	21.91
#1	.0892	.0031	.0049	.1270	.9530	.0095	.0598
#2	.0791	.0016	.0044	.1316	.8328	.0088	.0417
#3	.0831	.0010	.0042	.1243	.9441	.0088	.0417

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0040	10.06	.0060
SDev	.0002	.02	.0005
%RSD	4.292	.1794	8.221
#1	.0042	10.06	.0066
#2	.0039	10.05	.0056
#3	.0038	10.08	.0059

Standardization Rpt. Wed 03-13-96 09:24:32 AM page 1

Method: ICP1A Standard: ICP1.0

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.7309	.2288	.1761	.1232	.0341	.0195	.1588
SDev	.0013	.0002	.0009	.0019	.0001	.0000	.0020
%RSD	.1794	.0874	.5120	1.536	.2933	.0000	1.278
#1	.7321	.2286	.1762	.1219	.0342	.0195	.1565
#2	.7295	.2288	.1752	.1224	.0340	.0195	.1598
#3	.7311	.2290	.1770	.1254	.0341	.0195	.1602

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1402	.0524	.6964	.1557	.0505	.0568	.2123
SDev	.0003	.0024	.0012	.0007	.0008	.0001	.0006
%RSD	.2471	4.551	.1737	.4631	1.600	.1761	.3028
#1	.1404	.0517	.6955	.1551	.0504	.0569	.2126
#2	.1398	.0505	.6960	.1555	.0514	.0568	.2116
#3	.1404	.0551	.6978	.1565	.0498	.0567	.2128

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0377	.0631	.2221	.1099	.0442	.2637	.0253
SDev	.0001	.0003	.0005	.0002	.0001	.0022	.0003
%RSD	.1533	.5097	.2221	.1895	.2614	.8258	1.272
#1	.0377	.0633	.2223	.1101	.0441	.2644	.0255
#2	.0376	.0632	.2215	.1097	.0441	.2613	.0254
#3	.0377	.0627	.2224	.1098	.0443	.2655	.0249

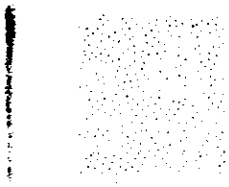
Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0885	.0450	.4068	.0530	.1392	1.508	1.639
SDev	.0003	.0002	.0001	.0004	.0009	.008	.004
%RSD	.3390	.4444	.0284	.8224	.6517	.4985	.2296
#1	.0882	.0448	.4069	.0527	.1382	1.510	1.643
#2	.0888	.0450	.4069	.0535	.1399	1.500	1.635
#3	.0885	.0452	.4067	.0528	.1396	1.515	1.640

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	1.653	.4692	.2819	.1551	.4195	.7469	.0160
SDev	.002	.0015	.0015	.0006	.0009	.0022	.0001
%RSD	.1372	.3105	.5229	.4194	.2202	.3015	.3601
#1	1.656	.4706	.2814	.1545	.4200	.7447	.0160
#2	1.652	.4677	.2836	.1551	.4184	.7468	.0160
#3	1.653	.4694	.2808	.1558	.4200	.7492	.0161

Elem	Te	Th	Ti	Tl	U	V	W
Avge	1.108	.2576	.0709	.0423	1.863	.1072	.0351
SDev	.002	.0006	.0001	.0004	.003	.0003	.0005
%RSD	.2103	.2525	.2156	1.030	.1800	.2468	1.463
#1	1.105	.2570	.0709	.0425	1.863	.1074	.0352
#2	1.109	.2576	.0707	.0418	1.859	.1069	.0345
#3	1.110	.2583	.0710	.0426	1.866	.1073	.0355

Elem	Y	Zn	Zr
Avge	.0274	.0469	.0865
SDev	.0001	.0009	.0002

%RSD	.2110	1.862	.2671
#1	.0274	.0467	.0866
#2	.0273	.0479	.0862
#3	.0274	.0462	.0866



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Method: ICP1A Standard: ICP1.1B

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	.7737	1.913	1.245	.4553	7.231	4.583	1.249
SDev	.0041	.007	.007	.0013	.033	.019	.006
%RSD	.5339	.3792	.5294	.2746	.4496	.4097	.4811
#1	.7689	1.905	1.238	.4541	7.193	4.561	1.242
#2	.7759	1.915	1.251	.4566	7.249	4.592	1.254
#3	.7762	1.919	1.246	.4553	7.250	4.595	1.251

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	.5012	.6479	7.445	.8352	1.437	2.852	2.548
SDev	.0020	.0053	.028	.0044	.007	.025	.012
%RSD	.4012	.8246	.3797	.5254	.4673	.8828	.4800
#1	.4990	.6417	7.420	.8301	1.429	2.823	2.534
#2	.5018	.6508	7.476	.8377	1.442	2.860	2.554
#3	.5029	.6511	7.438	.8377	1.441	2.872	2.556

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Method: ICP1A Standard: ICP1.1A

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	7.188	16.52	11.25	3.880	66.08	38.78	11.00
SDev	.028	.07	.04	.015	.28	.14	.04
%RSD	.3933	.4068	.3439	.3746	.4291	.3686	.3486
#1	7.208	16.58	11.30	3.892	66.36	38.91	11.03
#2	7.156	16.45	11.22	3.864	65.80	38.63	10.96
#3	7.200	16.53	11.24	3.885	66.07	38.81	11.02

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	4.452	5.567	56.97	7.916	13.34	26.38	23.47
SDev	.018	.021	.16	.031	.05	.06	.10
%RSD	.4104	.3719	.2805	.3896	.3972	.2312	.4213
#1	4.454	5.577	57.14	7.933	13.38	26.43	23.57
#2	4.433	5.543	56.82	7.880	13.28	26.31	23.37
#3	4.470	5.580	56.95	7.934	13.35	26.39	23.48

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Method: ICP1A Standard: ICP1.2

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	61.31	40.38	79.58	8.966	2.403	10.33	6.186
SDev	.38	.23	.44	.037	.014	.07	.034
%RSD	.6184	.5617	.5573	.4142	.5719	.6554	.5537
#1	61.49	40.49	79.80	8.986	2.410	10.36	6.202
#2	60.87	40.12	79.07	8.923	2.388	10.26	6.147
#3	61.57	40.53	79.87	8.988	2.412	10.38	6.209

Elem	P
Avge	11.96
SDev	.07
%RSD	.5501
#1	12.00
#2	11.89
#3	12.00

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Method: ICP1A Standard: ICP1.3

Elem	Dy	Eu	La	Nd	Ru	Th
Avge	39.97	9.733	5.183	13.58	33.12	11.02
SDev	.24	.059	.033	.09	.18	.06
%RSD	.5964	.6112	.6282	.6724	.5570	.5394
#1	39.92	9.713	5.177	13.55	33.10	11.01
#2	39.76	9.686	5.153	13.50	32.94	10.97
#3	40.23	9.800	5.218	13.68	33.31	11.09

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Method: ICP1A Standard: ICP1.4

Elem	As	Ce	Sb	V	Y
Avge	20.97	21.31	24.75	11.07	2.854
SDev	.05	.08	.09	.05	.015
%RSD	.2555	.3908	.3764	.4086	.5254
#1	20.91	21.23	24.65	11.02	2.838
#2	20.99	21.33	24.78	11.09	2.857
#3	21.01	21.39	24.83	11.11	2.868

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Method: ICP1A Standard: ICP1.5

Elem	U
Avge	45.56
SDev	.48
%RSD	1.059
#1	45.07
#2	46.04
#3	45.57

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Method: ICP1A Standard: ICP1.6

Elem	Be	Si	Te
Avge	1.697	72.34	48.17
SDev	.004	.17	.10
%RSD	.2351	.2325	.2155
#1	1.694	72.23	48.22
#2	1.696	72.25	48.05
#3	1.701	72.53	48.24

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Method: ICP1A Standard: ICP1.7

Elem	Ag	Bi	Se	Tl
Avge	28.05	22.85	3.197	1.254
SDev	.06	.02	.010	.003
%RSD	.2092	.0855	.3003	.2255
#1	28.02	22.84	3.187	1.252
#2	28.12	22.87	3.197	1.257
#3	28.01	22.84	3.206	1.254

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Method: ICP1A Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	.366026	-.267529	03/13/96 09:57:36
Al	308.215	ICP1.2	ICP1.0	8.18591	-1.87294	03/13/96 09:57:36
As	193.600	ICP1.4	ICP1.0	4.80694	-.847015	03/13/96 09:57:36
B	249.600	ICP1.2	ICP1.0	1.24204	-.153061	03/13/96 09:57:36
Ba	493.400	Multiple	Standards	1.37472	-.047027	03/13/96 09:31:00
Be	313.042	ICP1.6	ICP1.0	.596161	-.011625	03/13/96 09:57:36
Bi	223.061	ICP1.7	ICP1.0	4.40661	-.699917	03/13/96 09:57:36
Ca	317.900	ICP1.2	ICP1.0	3.14698	-.441207	03/13/96 09:57:36
Cd	228.800	ICP1.2	ICP1.0	1.12191	-.058826	03/13/96 09:57:36
Ce	418.659	ICP1.4	ICP1.0	2.42500	-1.68885	03/13/96 09:57:36
Co	228.600	Multiple	Standards	1.17901	-.184210	03/13/96 09:31:00
Cr	205.500	Multiple	Standards	1.72858	-.087925	03/13/96 09:31:00
Cu	324.700	Multiple	Standards	5.12293	-.291354	03/13/96 09:31:00
Dy	353.170	ICP1.3	ICP1.0	1.25762	-.267035	03/13/96 09:57:36
Eu	381.900	ICP1.3	ICP1.0	2.06282	-.077700	03/13/96 09:57:36
Fe	259.900	Multiple	Standards	2.90563	-.190622	03/13/96 09:31:00
K	766.500	ICP1.2	ICP1.0	229.228	-50.9039	03/13/96 09:57:36
La	398.852	ICP1.3	ICP1.0	3.94270	-.433171	03/13/96 09:57:36
Li	670.700	ICP1.2	ICP1.0	4.86025	-.214661	03/13/96 09:57:36
Mg	279.078	Multiple	Standards	6.12094	-1.62711	03/13/96 09:31:00
Mn	257.600	ICP1.2	ICP1.0	1.62312	-.041011	03/13/96 09:57:36
Mo	202.000	Multiple	Standards	1.77650	-.157772	03/13/96 09:31:00
Na	588.900	Multiple	Standards	55.7476	-2.51251	03/13/96 09:31:00
Nd	406.106	ICP1.3	ICP1.0	3.79638	-1.54449	03/13/96 09:57:36
Ni	231.600	Multiple	Standards	3.49037	-.185670	03/13/96 09:31:00
P	214.900	ICP1.2	ICP1.0	8.45618	-1.17738	03/13/96 09:57:36
Pb	220.300	Multiple	Standards	.871036	-1.31545	03/13/96 09:31:00
Pd	360.959	ICP1.8	ICP1.0	3.01202	-4.93801	03/13/96 09:57:36
Rh	343.489	ICP1.8	ICP1.0	1.21896	-2.01534	03/13/96 09:57:36
Ru	240.271	ICP1.3	ICP1.0	1.53137	-.718571	03/13/96 09:57:36
Sb	206.838	ICP1.4	ICP1.0	3.26973	-.921847	03/13/96 09:57:36
Se	196.026	ICP1.7	ICP1.0	6.57599	-1.02016	03/13/96 09:57:36
Si	288.100	ICP1.6	ICP1.0	2.78085	-1.16647	03/13/96 09:57:36
Sn	242.950	ICP1.8	ICP1.0	8.50221	-6.35030	03/13/96 09:57:36
Sr	421.500	Multiple	Standards	1.24304	-.020093	03/13/96 09:31:00
Te	214.275	ICP1.6	ICP1.0	1.06241	-1.17726	03/13/96 09:57:36
Th	283.730	ICP1.3	ICP1.0	4.64543	-1.19682	03/13/96 09:57:36
Ti	334.900	Multiple	Standards	1.48537	-.105527	03/13/96 09:31:00
Tl	190.864	ICP1.7	ICP1.0	16.5007	-.697981	03/13/96 09:57:36
U	378.280	ICP1.5	ICP1.0	11.4418	-21.3130	03/13/96 09:57:36
V	292.402	ICP1.4	ICP1.0	1.82356	-.195485	03/13/96 09:57:36
W	224.875	ICP1.8	ICP1.0	17.8641	-.626434	03/13/96 09:57:36
Y	371.030	ICP1.4	ICP1.0	3.53728	-.096803	03/13/96 09:57:36
Zn	213.800	Multiple	Standards	.735726	-.035096	03/13/96 09:31:00
Zr	339.100	Multiple	Standards	2.08367	-.181315	03/13/96 09:31:00

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Method: ICP1A Standard: ICP1.8

Elem	Pd	Rh	Sn	W
Avge	18.24	42.67	7.426	2.873
SDev	.02	.07	.009	.006
%RSD	.1040	.1553	.1147	.1919
#1	18.26	42.74	7.435	2.879
#2	18.22	42.60	7.424	2.868
#3	18.24	42.67	7.418	2.872

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Method: ICP1A Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	2.73204	.267529	03/13/96 09:57:36
Al	308.215	ICP1.2	ICP1.0	.122161	1.87294	03/13/96 09:57:36
As	193.600	ICP1.4	ICP1.0	.207946	.847015	03/13/96 09:57:36
B	249.600	ICP1.2	ICP1.0	.805125	.153061	03/13/96 09:57:36
Ba	493.400	Multiple	Standards	.727422	.047027	03/13/96 09:31:00
Be	313.042	ICP1.6	ICP1.0	1.67740	.011625	03/13/96 09:57:36
Bi	223.061	ICP1.7	ICP1.0	.226932	.699917	03/13/96 09:57:36
Ca	317.900	ICP1.2	ICP1.0	.317765	.441207	03/13/96 09:57:36
Cd	228.800	ICP1.2	ICP1.0	.891333	.058826	03/13/96 09:57:36
Ce	418.659	ICP1.4	ICP1.0	.412371	1.68885	03/13/96 09:57:36
Co	228.600	Multiple	Standards	.848168	.184210	03/13/96 09:31:00
Cr	205.500	Multiple	Standards	.578510	.087925	03/13/96 09:31:00
Cu	324.700	Multiple	Standards	.195201	.291354	03/13/96 09:31:00
Dy	353.170	ICP1.3	ICP1.0	.795153	.267035	03/13/96 09:57:36
Eu	381.900	ICP1.3	ICP1.0	.484773	.077700	03/13/96 09:57:36
Fe	259.900	Multiple	Standards	.344159	.190622	03/13/96 09:31:00
K	766.500	ICP1.2	ICP1.0	.004362	50.9039	03/13/96 09:57:36
La	398.852	ICP1.3	ICP1.0	.253633	.433171	03/13/96 09:57:36
Li	670.700	ICP1.2	ICP1.0	.205751	.214661	03/13/96 09:57:36
Mg	279.078	Multiple	Standards	.163374	1.62711	03/13/96 09:31:00
Mn	257.600	ICP1.2	ICP1.0	.616097	.041011	03/13/96 09:57:36
Mo	202.000	Multiple	Standards	.562905	.157772	03/13/96 09:31:00
Na	588.900	Multiple	Standards	.017938	2.51251	03/13/96 09:31:00
Nd	406.106	ICP1.3	ICP1.0	.263409	1.54449	03/13/96 09:57:36
Ni	231.600	Multiple	Standards	.286502	.185670	03/13/96 09:31:00
P	214.900	ICP1.2	ICP1.0	.118257	1.17738	03/13/96 09:57:36
Pb	220.300	Multiple	Standards	1.14806	1.31545	03/13/96 09:31:00
Pd	360.959	ICP1.8	ICP1.0	.332003	4.93801	03/13/96 09:57:36
Rh	343.489	ICP1.8	ICP1.0	.820373	2.01534	03/13/96 09:57:36
Ru	240.271	ICP1.3	ICP1.0	.653009	.718571	03/13/96 09:57:36
Sb	206.838	ICP1.4	ICP1.0	.305835	.921847	03/13/96 09:57:36
Se	196.026	ICP1.7	ICP1.0	.152068	1.02016	03/13/96 09:57:36
Si	288.100	ICP1.6	ICP1.0	.359603	1.16647	03/13/96 09:57:36
Sn	242.950	ICP1.8	ICP1.0	.117617	6.35030	03/13/96 09:57:36
Sr	421.500	Multiple	Standards	.804478	.020093	03/13/96 09:31:00
Te	214.275	ICP1.6	ICP1.0	.941256	1.17726	03/13/96 09:57:36
Th	283.730	ICP1.3	ICP1.0	.215265	1.19682	03/13/96 09:57:36
Ti	334.900	Multiple	Standards	.673232	.105527	03/13/96 09:31:00
Tl	190.864	ICP1.7	ICP1.0	.060603	.697981	03/13/96 09:57:36
U	378.280	ICP1.5	ICP1.0	.087399	21.3130	03/13/96 09:57:36
V	292.402	ICP1.4	ICP1.0	.548378	.195485	03/13/96 09:57:36
W	224.875	ICP1.8	ICP1.0	.055978	.626434	03/13/96 09:57:36
Y	371.030	ICP1.4	ICP1.0	.282703	.096803	03/13/96 09:57:36
Zn	213.800	Multiple	Standards	1.35920	.035096	03/13/96 09:31:00
Zr	339.100	Multiple	Standards	.479922	.181315	03/13/96 09:31:00

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Method: ICP1A

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	ICP1.0	.000000	.000000	-.000000
		ICP1.7	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al	308.215	ICP1.0	.000000	.000000	-.000000
		ICP1.2	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As	193.600	ICP1.0	.000000	.000000	-.000000
		ICP1.4	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B	249.600	ICP1.0	.000000	-.000000	.000000
		ICP1.2	50.0000	50.0000	.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	ICP1.0	.000000	-.000149	.000149
		ICP1.1B	1.00000	1.01655	-.016546
		ICP1.1A	10.0000	9.83454	.165464
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	ICP1.0	.000000	-.000000	.000000
		ICP1.6	1.00000	1.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	ICP1.0	.000000	.000000	-.000000
		ICP1.7	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	ICP1.0	.000000	.000000	-.000000
		ICP1.2	250.000	250.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	ICP1.0	.000000	-.000000	.000000
		ICP1.2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	ICP1.0	.000000	.000000	-.000000
		ICP1.4	50.0000	50.0000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	ICP1.0	.000000	-.000638	.000638
		ICP1.1B	2.00000	2.07092	-.070925
		ICP1.1A	20.0000	19.2907	.709251
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	ICP1.0	.000000	-.000574	.000574
		ICP1.1B	2.00000	2.06375	-.063754
		ICP1.1A	20.0000	19.3625	.637541
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	ICP1.0	.000000	-.000372	.000372
		ICP1.1B	2.00000	2.04129	-.041286
		ICP1.1A	20.0000	19.5871	.412859
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	ICP1.0	.000000	.000000	-.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	ICP1.0	.000000	-.007373	.007373
		ICP1.1B	20.0000	20.8192	-.819227
		ICP1.1A	200.000	191.808	8.19228
CorCoef:	0.99997				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	ICP1.0	.000000	-.000001	.000001
		ICP1.2	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	ICP1.0	.000000	-.000000	.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	ICP1.0	.000000	-.000000	.000000
		ICP1.2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	ICP1.0	.000000	-.012817	.012817
		ICP1.1B	25.0000	26.4241	-1.42412
		ICP1.1A	250.000	235.759	14.2412
CorCoef:	0.99993				

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	ICP1.0	.000000	-.000000	.000000
		ICP1.2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	ICP1.0	.000000	-.000551	.000551
		ICP1.1B	2.00000	2.06125	-.061254
		ICP1.1A	20.0000	19.3875	.612543
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	ICP1.0	.000000	-.003870	.003870
		ICP1.1B	25.0000	25.4300	-.430025
		ICP1.1A	250.000	245.700	4.30023
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	ICP1.0	.000000	-.000681	.000681
		ICP1.1B	2.00000	2.07563	-.075627
		ICP1.1A	20.0000	19.2437	.756268
CorCoef:	0.99997				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	ICP1.0	.000000	.000000	-.000000
		ICP1.2	100.000	100.0000	.000008
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	ICP1.0	.000000	-.001523	.001523
		ICP1.1B	5.00000	5.16918	-.169177
		ICP1.1A	50.0000	48.3082	1.69177
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ru	240.271	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb	206.838	ICP1.0	.000000	.000000	-.000000
		ICP1.4	80.0000	80.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se	196.026	ICP1.0	.000000	.000000	-.000000
		ICP1.7	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si	288.100	ICP1.0	.000000	.000000	-.000000
		ICP1.6	200.000	200.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn	242.950	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	56.7845	-6.78455
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	ICP1.0	.000000	-.000162	.000162
		ICP1.1B	1.00000	1.01805	-.018055
		ICP1.1A	10.0000	9.81945	.180546
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te	214.275	ICP1.0	.000000	.000000	-.000000
		ICP1.6	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th	283.730	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti	334.900	ICP1.0	.000000	-.000264	.000264
		ICP1.1B	2.00000	2.02930	-.029299
		ICP1.1A	20.0000	19.7070	.292992
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl	190.864	ICP1.0	.000000	.000000	-.000000
		ICP1.7	20.0000	20.0000	-.000002
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U	378.280	ICP1.0	.000000	-.000001	.000001
		ICP1.5	500.000	500.000	.000031
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	ICP1.0	.000000	.000000	-.000000
		ICP1.4	20.0000	20.0000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W	224.875	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.6947	-.694698

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	ICP1.0	.000000	-.000000	.000000
		ICP1.4	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	ICP1.0	.000000	-.000566	.000566
		ICP1.1B	2.00000	2.06290	-.062899
		ICP1.1A	20.0000	19.3710	.628986

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	ICP1.0	.000000	-.001147	.001147
		ICP1.1B	5.00000	5.12746	-.127463
		ICP1.1A	50.0000	48.7254	1.27463

CorCoef: 0.99999

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Method: ICP1A Sample Name: 96-2617-BLK Operator: DRS
Run Time: 03/13/96 11:32:10
Comment: WATER LEACH PROCESS BLANK (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.0243	-.0074	.0293	.0014	.0001	.0118
SDev	.0002	.0041	.0186	.0025	.0001	.0000	.0013
%RSD	7.157	17.03	250.8	8.577	5.633	41.47	11.25
#1	.0031	.0287	.0047	.0279	.0014	.0001	.0131
#2	.0032	.0238	.0019	.0322	.0014	.0001	.0119
#3	.0036	.0204	-.0288	.0278	.0015	.0001	.0105

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7154	.0097	.0237	.0017	-.0008	-.0075	.0048
SDev	.0077	.0029	.0085	.0002	.0005	.0009	.0003
%RSD	1.083	29.99	35.65	12.31	55.07	12.32	7.041
#1	.7243	.0126	.0140	.0019	-.0012	-.0067	.0044
#2	.7119	.0096	.0290	.0015	-.0003	-.0085	.0050
#3	.7100	.0068	.0282	.0017	-.0010	-.0072	.0050

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	-.0018	.9322	.0078	-.0008	.2481	-.0049
SDev	.0003	.0006	.1154	.0009	.0005	.0103	.0001
%RSD	21.98	32.95	12.38	11.72	60.00	4.130	1.217
#1	.0010	-.0022	.8099	.0074	-.0008	.2562	-.0049
#2	.0014	-.0021	.9475	.0072	-.0013	.2516	-.0049
#3	.0016	-.0011	1.039	.0089	-.0003	.2366	-.0048

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.4253	.0257	.0110	.2484	-.0020	.1038
SDev	.0014	.0255	.0059	.0012	.0165	.0049	.0100
%RSD	484.7	5.994	23.04	11.19	6.664	246.9	9.646
#1	-.0004	.4030	.0215	.0122	.2325	-.0061	.0922
#2	.0019	.4197	.0232	.0098	.2655	.0034	.1097
#3	-.0006	.4531	.0325	.0108	.2471	-.0032	.1094

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0363	.0062	.0102	.0173	.0399	.0680	.0038
SDev	.0060	.0037	.0097	.0102	.0019	.0037	.0000
%RSD	16.47	59.28	94.90	58.92	4.684	5.470	.0191
#1	.0303	.0020	.0014	.0204	.0387	.0640	.0038
#2	.0365	.0079	.0207	.0256	.0420	.0686	.0038
#3	.0422	.0087	.0086	.0059	.0389	.0714	.0038

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0095	-.0106	.0014	-.0037	.3461	.0020	.0065
SDev	.0028	.0026	.0004	.0042	.1148	.0003	.0011

%RSD	29.52	24.72	31.17	114.1	33.16	16.62	17.17
#1	.0063	-.0114	.0009	-.0041	.2337	.0016	.0072
#2	.0113	-.0127	.0016	.0007	.3416	.0022	.0071
#3	.0110	-.0077	.0018	-.0076	.4631	.0021	.0052

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0010	-.0034	.0017
SDev	.0001	.0009	.0005
%RSD	13.75	26.09	26.73
#1	.0010	-.0034	.0012
#2	.0009	-.0025	.0020
#3	.0012	-.0043	.0020

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Method: ICP1A Sample Name: 96-2617 @5 Operator: DRS
Run Time: 03/13/96 11:36:22
Comment: 118.COMP.W @5X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	1.329	-.0007	.0138	-.0005	-.0000	.4348
SDev	.0006	.008	.0084	.0016	.0002	.0000	.0096
%RSD	30.81	.5913	1216.	11.53	44.71	92.21	2.210
#1	-.0013	1.323	.0059	.0145	-.0004	.0000	.4433
#2	-.0024	1.338	.0022	.0149	-.0007	-.0000	.4367
#3	-.0024	1.325	-.0102	.0120	-.0003	-.0001	.4244

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4091	.0079	-.0182	-.0021	.6424	-.0140	-.0026
SDev	.0014	.0016	.0074	.0008	.0065	.0003	.0012
%RSD	.3552	19.73	40.99	37.74	1.005	2.200	46.27
#1	.4081	.0065	-.0101	-.0013	.6368	-.0137	-.0013
#2	.4108	.0096	-.0249	-.0022	.6495	-.0143	-.0037
#3	.4085	.0076	-.0195	-.0029	.6408	-.0141	-.0028

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.1565	.1987	-.0040	.2372	.1036	-.0048
SDev	.0003	.0005	.2067	.0017	.0029	.0053	.0000
%RSD	52.46	.3443	104.1	41.94	1.201	5.112	.6870
#1	-.0003	.1558	.3973	-.0021	.2339	.1095	-.0049
#2	-.0009	.1567	-.0153	-.0049	.2383	.0993	-.0048
#3	-.0005	.1568	.2139	-.0051	.2393	.1020	-.0048

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0558	160.9	-.0226	.0027	13.59	-.0208	-.0203
SDev	.0011	1.7	.0088	.0024	.13	.0112	.0177
%RSD	2.022	1.080	39.04	90.93	.9792	53.87	87.56
#1	.0571	159.1	-.0146	.0025	13.45	-.0096	-.0012
#2	.0551	162.5	-.0320	.0004	13.71	-.0320	-.0364
#3	.0551	161.2	-.0210	.0053	13.61	-.0209	-.0232

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0113	.0025	-.0002	.0073	.1175	-.0689	.0026
SDev	.0092	.0035	.0076	.0046	.0067	.0434	.0001
%RSD	81.46	141.4	3904.	62.46	5.720	62.95	2.781
#1	-.0019	.0049	.0079	.0076	.1212	-.0356	.0025
#2	-.0202	-.0015	-.0014	.0026	.1098	-.1179	.0025
#3	-.0117	.0040	-.0071	.0117	.1216	-.0531	.0027

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0064	-.0015	-.0014	-.0081	.0181	-.0021	-.0015
SDev	.0114	.0054	.0004	.0029	.0815	.0006	.0053

%RSD	178.7	358.5	26.15	35.94	450.7	28.81	346.4
#1	.0067	-.0062	-.0011	-.0112	.0956	-.0018	.0043
#2	-.0114	-.0026	-.0018	-.0055	-.0670	-.0029	-.0062
#3	-.0144	.0043	-.0015	-.0075	.0256	-.0017	-.0027

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0011	-.0066	.0062
SDev	.0002	.0009	.0011
%RSD	13.47	13.36	18.23
#1	-.0010	-.0071	.0074
#2	-.0012	-.0056	.0052
#3	-.0013	-.0071	.0059

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Method: ICP1A Sample Name: 96-2617 Operator: DRS
Run Time: 03/13/96 11:40:16
Comment: 118.COMP.W (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	5.962	.0656	.0950	.0017	.0001	1.487
SDev	.0005	.104	.0176	.0016	.0002	.0000	.098
%RSD	24.29	1.742	26.75	1.716	9.176	24.90	6.584
#1	.0014	5.889	.0567	.0937	.0016	.0002	1.410
#2	.0020	5.917	.0859	.0943	.0019	.0001	1.454
#3	.0023	6.081	.0543	.0968	.0016	.0001	1.597

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.625	.0042	.0182	.0008	3.176	-.0119	.0008
SDev	.075	.0034	.0038	.0011	.014	.0017	.0007
%RSD	4.601	82.72	20.96	140.2	.4291	14.60	93.26
#1	1.559	.0031	.0146	.0007	3.181	-.0136	.0004
#2	1.609	.0013	.0222	.0020	3.160	-.0101	.0016
#3	1.706	.0080	.0176	-.0003	3.186	-.0121	.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.5608	5.440	.0018	1.213	.5425	-.0018
SDev	.0003	.0361	.188	.0025	.002	.0049	.0004
%RSD	23.01	6.437	3.449	139.9	.1746	.8949	22.80
#1	.0013	.5314	5.280	.0005	1.215	.5404	-.0021
#2	.0019	.5499	5.647	.0046	1.211	.5391	-.0013
#3	.0013	.6011	5.395	.0002	1.214	.5481	-.0018

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2933	786.3	-.0009	.0036	69.10	.0066	.0588
SDev	.0014	2.5	.0028	.0023	.18	.0020	.0159
%RSD	.4685	.3195	314.5	62.64	.2612	29.57	26.80
#1	.2919	788.0	-.0032	.0035	69.18	.0086	.0625
#2	.2932	783.4	.0023	.0059	68.90	.0065	.0724
#3	.2947	787.4	-.0018	.0014	69.24	.0047	.0416

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0388	.0445	.0121	.0621	.6107	.0076	.0099
SDev	.0075	.0031	.0026	.0078	.0028	.0458	.0005
%RSD	19.21	7.001	21.69	12.57	.4627	599.1	5.049
#1	.0386	.0410	.0151	.0711	.6078	-.0007	.0095
#2	.0464	.0470	.0111	.0579	.6109	.0570	.0099
#3	.0315	.0454	.0101	.0573	.6135	-.0334	.0105

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0298	.0037	-.0001	.0142	1.460	.0018	.0208
SDev	.0027	.0027	.0003	.0016	.023	.0004	.0052

%RSD	9.033	74.26	202.9	11.59	1.575	24.91	25.14
#1	.0277	.0067	-.0004	.0128	1.437	.0018	.0179
#2	.0288	.0015	.0002	.0160	1.483	.0021	.0177
#3	.0329	.0028	-.0002	.0137	1.460	.0013	.0268

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0003	-.0039	.0312
SDev	.0002	.0003	.0020
%RSD	70.40	8.815	6.452
#1	-.0004	-.0035	.0293
#2	-.0000	-.0042	.0311
#3	-.0004	-.0038	.0333

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Method: ICP1A Sample Name: 96-2617 PSA Operator: DRS
Run Time: 03/13/96 11:44:36
Comment: 118.COMP.W POST SPIKE A (MCVA1)(BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2159	8.343	1.339	1.118	.2543	.0495	13.31
SDev	.0006	.034	.014	.002	.0010	.0002	.07
%RSD	.2593	.4134	1.050	.1982	.3898	.4175	.5556
#1	.2153	8.304	1.322	1.115	.2532	.0493	13.23
#2	.2164	8.360	1.347	1.120	.2546	.0495	13.37
#3	.2160	8.367	1.346	1.118	.2551	.0497	13.34

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.89	.2569	-.0316	.5090	2.074	.4833	-.0057
SDev	.03	.0042	.0028	.0013	.006	.0010	.0003
%RSD	.2387	1.632	8.885	.2619	.3040	.2111	4.595
#1	13.85	.2540	-.0296	.5086	2.068	.4844	-.0059
#2	13.90	.2550	-.0348	.5078	2.074	.4825	-.0054
#3	13.92	.2617	-.0304	.5104	2.081	.4829	-.0058

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	10.74	14.24	-.0072	1.618	16.91	.2600
SDev	.0000	.03	.07	.0010	.004	.07	.0009
%RSD	5.586	.2771	.4648	14.34	.2618	.4409	.3500
#1	-.0002	10.71	14.31	-.0065	1.620	16.84	.2591
#2	-.0002	10.75	14.20	-.0067	1.621	16.91	.2600
#3	-.0002	10.77	14.20	-.0084	1.613	16.99	.2610

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6579	414.8	-.0391	.5224	36.09	1.246	-.0853
SDev	.0036	1.4	.0039	.0043	.18	.007	.0136
%RSD	.5428	.3453	10.02	.8131	.4892	.5647	15.94
#1	.6538	413.1	-.0347	.5203	35.91	1.238	-.0700
#2	.6600	415.6	-.0403	.5273	36.09	1.250	-.0958
#3	.6600	415.6	-.0422	.5196	36.27	1.250	-.0902

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0314	.0178	1.318	1.347	9.796	-.0110	.2661
SDev	.0045	.0005	.009	.008	.046	.0207	.0011
%RSD	14.20	2.590	.7110	.5717	.4658	188.3	.3974
#1	-.0277	.0173	1.308	1.344	9.745	.0128	.2649
#2	-.0302	.0182	1.321	1.356	9.808	-.0248	.2666
#3	-.0363	.0177	1.326	1.341	9.834	-.0209	.2669

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0107	.0337	.5065	1.229	.2207	.5117	.0141
SDev	.0067	.0129	.0021	.010	.0557	.0021	.0091

%RSD	62.62	38.27	.4081	.8408	25.26	.4011	64.86
#1	.0117	.0198	.5041	1.240	.2848	.5104	.0218
#2	.0035	.0362	.5079	1.229	.1838	.5106	.0164
#3	.0168	.0453	.5074	1.219	.1934	.5140	.0040

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0015	.5101	1.038
SDev	.0004	.0052	.003
%RSD	25.31	1.011	.2948
#1	-.0013	.5132	1.034
#2	-.0020	.5042	1.040
#3	-.0013	.5131	1.039

Analysis Report Wed 03-13-96 11:49:41 AM page 1

Method: ICP1A Sample Name QCMCVA1 @2 Operator: DRS
Run Time: 03/13/96 11:48:22 QM 3/13/96
Comment: MCVA1 960226I901 @2X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2454	5.089	1.304	1.070	.2530	.0485	12.28
SDev	.0013	.027	.010	.008	.0005	.0001	.01
%RSD	.5200	.5250	.7433	.7306	.2057	.3112	.0791
#1	.2442	5.060	1.293	1.063	.2524	.0484	12.28
#2	.2467	5.112	1.310	1.078	.2532	.0487	12.29
#3	.2453	5.096	1.308	1.070	.2533	.0486	12.27

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.90	.2578	-.0259	.5133	.5162	.4703	-.0041
SDev	.04	.0028	.0037	.0023	.0031	.0017	.0007
%RSD	.3028	1.090	14.33	.4440	.6071	.3647	16.26
#1	12.86	.2582	-.0272	.5117	.5134	.4692	-.0042
#2	12.94	.2604	-.0218	.5159	.5196	.4723	-.0034
#3	12.89	.2548	-.0289	.5123	.5158	.4693	-.0047

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	10.39	11.71	-.0035	1.016	16.71	.2580
SDev	.0004	.03	.15	.0016	.015	.05	.0004
%RSD	75.90	.2919	1.258	45.89	1.441	.3065	.1538
#1	-.0003	10.36	11.65	-.0017	1.001	16.66	.2581
#2	-.0003	10.42	11.68	-.0041	1.018	16.76	.2584
#3	-.0009	10.38	11.61	-.0048	1.030	16.69	.2576

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5163	19.10	-.0277	.5252	2.561	1.254	-.0624
SDev	.0013	.10	.0029	.0042	.035	.016	.0131
%RSD	.2456	.5101	10.42	.8078	1.385	1.258	20.91
#1	.5148	18.99	-.0287	.5231	2.536	1.239	-.0602
#2	.5169	19.13	-.0245	.5301	2.546	1.271	-.0506
#3	.5171	19.18	-.0300	.5224	2.602	1.252	-.0765

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0312	.0015	1.314	1.294	9.524	.0414	.2601
SDev	.0061	.0023	.007	.011	.026	.0185	.0009
%RSD	19.61	156.1	.5213	.8194	.2771	44.78	.3311
#1	-.0285	.0034	1.306	1.306	9.495	.0544	.2591
#2	-.0268	.0020	1.318	1.292	9.547	.0495	.2606
#3	-.0381	-.0011	1.318	1.285	9.529	.0202	.2606

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0108	.0238	.5055	1.230	-.3582	.5100	.0127
SDev	.0040	.0009	.0019	.019	.0282	.0020	.0083

%RSD	37.00	3.659	.3852	1.552	7.882	.3972	65.56
#1	.0099	.0248	.5034	1.220	-.3321	.5081	.0097
#2	.0152	.0235	.5073	1.252	-.3542	.5121	.0221
#3	.0074	.0232	.5057	1.218	-.3881	.5097	.0063

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0011	.5068	1.012
SDev	.0002	.0020	.002
%RSD	16.72	.3924	.2324
#1	-.0010	.5045	1.009
#2	-.0010	.5080	1.014
#3	-.0013	.5079	1.012

Analysis Report Wed 03-13-96 11:53:01 AM page 1

Method: ICP1A Sample Name: 96-2617 PSB Operator: DRS
Run Time: 03/13/96 11:51:42
Comment: 118.COMP.W POST SPIKE B (MCVB2)(BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	3.266	.1811	.1307	.0011	.0004	1.117
SDev	.0005	.043	.0076	.0007	.0003	.0000	.008
%RSD	23.09	1.311	4.210	.5557	25.23	8.613	.7534
#1	-.0017	3.235	.1724	.1301	.0014	.0005	1.120
#2	-.0025	3.250	.1865	.1315	.0012	.0005	1.108
#3	-.0028	3.315	.1845	.1305	.0008	.0004	1.124

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.090	.0110	1.023	.0000	1.551	.0021	1.022
SDev	.006	.0043	.008	.0012	.022	.0013	.015
%RSD	.5886	39.12	.7748	127400.	1.389	58.33	1.442
#1	1.084	.0151	1.014	.0011	1.529	.0033	1.010
#2	1.090	.0113	1.028	.0001	1.552	.0022	1.017
#3	1.096	.0065	1.026	-.0012	1.572	.0008	1.038

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.032	.4215	1.360	.5133	.5957	.2462	-.0026
SDev	.015	.0023	.196	.0056	.0053	.0215	.0001
%RSD	1.454	.5469	14.40	1.088	.8987	8.736	4.018
#1	1.019	.4192	1.383	.5084	.5921	.2688	-.0026
#2	1.027	.4215	1.543	.5122	.5931	.2439	-.0025
#3	1.049	.4238	1.154	.5194	.6019	.2260	-.0027

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1451	388.6	1.004	.0165	32.75	.1104	.9046
SDev	.0012	5.6	.007	.0051	.33	.0069	.0076
%RSD	.8224	1.451	.6897	30.89	1.004	6.246	.8349
#1	.1465	383.9	.9960	.0157	32.49	.1144	.9127
#2	.1445	386.9	1.008	.0220	32.65	.1143	.9035
#3	.1444	394.9	1.008	.0119	33.12	.1024	.8977

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.002	1.065	.0549	.0476	3.400	1.046	.0081
SDev	.004	.010	.0033	.0067	.152	.014	.0001
%RSD	.3961	.9082	5.969	14.02	4.459	1.370	.8933
#1	.9971	1.056	.0587	.0534	3.246	1.038	.0081
#2	1.003	1.063	.0533	.0491	3.404	1.062	.0081
#3	1.005	1.075	.0528	.0403	3.549	1.037	.0080

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9930	5.166	.0018	-.0039	12.08	-.0003	1.011
SDev	.0049	.060	.0005	.0064	.10	.0009	.013

%RSD	.4945	1.170	27.80	164.1	.8340	264.8	1.279
#1	.9891	5.111	.0022	.0015	11.96	.0005	1.018
#2	.9914	5.158	.0018	-.0109	12.13	-.0002	.9961
#3	.9985	5.231	.0013	-.0023	12.15	-.0012	1.019

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.5011	-.0012	-.0151
SDev	.0073	.0006	.0007
%RSD	1.452	46.42	4.463
#1	.4947	-.0016	-.0143
#2	.4996	-.0014	-.0152
#3	.5091	-.0006	-.0156

Analysis Report Wed 03-13-96 11:56:50 AM page 1

Method: ICP1A Sample Name: QC MCVB2 Ø2 Operator: DRS
Run Time: 03/13/96 11:55:31
Comment: MCVB2 9602211901 Ø2X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0033	.0216	.1685	.0830	-.0004	.0004	.0328
SDev	.0002	.0048	.0093	.0011	.0001	.0000	.0043
%RSD	7.280	22.32	5.522	1.334	21.00	7.760	13.24
#1	-.0033	.0165	.1748	.0843	-.0003	.0004	.0298
#2	-.0036	.0223	.1727	.0822	-.0004	.0004	.0377
#3	-.0031	.0261	.1578	.0826	-.0004	.0005	.0307

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0050	.0163	1.026	.0004	.0024	.0041	1.030
SDev	.0013	.0018	.005	.0005	.0014	.0003	.005
%RSD	26.25	10.77	.5012	104.1	58.34	7.483	.4871
#1	-.0043	.0144	1.026	.0009	.0009	.0043	1.027
#2	-.0042	.0166	1.031	-.0001	.0028	.0038	1.036
#3	-.0065	.0178	1.021	.0005	.0036	.0043	1.027

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.044	-.0005	-1.261	.5170	-.0055	-.0471	-.0053
SDev	.005	.0008	.106	.0034	.0010	.0077	.0001
%RSD	.4610	156.2	8.398	.6631	18.37	16.34	1.742
#1	1.041	.0004	-1.138	.5141	-.0052	-.0415	-.0052
#2	1.049	-.0009	-1.322	.5208	-.0047	-.0441	-.0052
#3	1.041	-.0010	-1.322	.5161	-.0066	-.0559	-.0054

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.4486	1.023	.0218	.0972	.1118	.9429
SDev	.0009	.1032	.004	.0012	.0080	.0036	.0083
%RSD	29.90	23.00	.4381	5.628	8.210	3.177	.8817
#1	.0028	.5676	1.018	.0217	.0880	.1101	.9345
#2	.0023	.3835	1.027	.0206	.1023	.1158	.9429
#3	.0041	.3948	1.023	.0231	.1014	.1093	.9511

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.016	1.062	.0581	.0484	3.081	1.095	.0012
SDev	.006	.004	.0067	.0312	.114	.019	.0000
%RSD	.5469	.3556	11.56	64.52	3.689	1.730	.0470
#1	1.011	1.058	.0599	.0626	2.962	1.117	.0012
#2	1.022	1.066	.0507	.0126	3.092	1.087	.0012
#3	1.015	1.062	.0638	.0700	3.189	1.082	.0012

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.001	5.201	.0018	.0036	11.54	-.0004	1.008
SDev	.005	.021	.0001	.0053	.04	.0002	.012

%RSD	.5178	.4097	5.348	148.3	.3038	36.62	1.228
#1	1.004	5.189	.0018	.0087	11.56	-.0006	1.016
#2	1.004	5.226	.0019	.0038	11.50	-.0003	1.016
#3	.9948	5.189	.0018	-.0018	11.56	-.0004	.9942

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.5046	-.0045	-.0376
SDev	.0024	.0003	.0005
%RSD	.4666	7.354	1.437
#1	.5030	-.0046	-.0372
#2	.5073	-.0048	-.0382
#3	.5034	-.0041	-.0373

Analysis Report Wed 03-13-96 12:00:26 PM page 1

Method: ICP1A Sample Name: 96-2617 DUP Operator: DRS
Run Time: 03/13/96 11:59:07
Comment: 118.COMP.W DUPLICATE (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	4.882	.0711	.1321	.0009	.0002	.6564
SDev	.0006	.093	.0039	.0030	.0003	.0000	.0202
%RSD	16.90	1.913	5.550	2.260	31.62	19.15	3.082
#1	.0027	4.940	.0731	.1303	.0007	.0002	.6688
#2	.0033	4.932	.0665	.1355	.0008	.0001	.6674
#3	.0038	4.775	.0735	.1304	.0012	.0002	.6331

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.203	.0041	.0275	.0026	3.155	-.0103	.0035
SDev	.017	.0024	.0116	.0019	.052	.0023	.0022
%RSD	1.401	58.53	42.15	74.75	1.644	22.33	62.71
#1	1.201	.0066	.0181	.0016	3.192	-.0128	.0024
#2	1.221	.0019	.0240	.0013	3.177	-.0097	.0021
#3	1.187	.0037	.0405	.0048	3.096	-.0083	.0061

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.2500	5.754	.0047	1.232	.4967	-.0036
SDev	.0005	.0085	.251	.0023	.024	.0068	.0005
%RSD	16.43	3.415	4.370	48.78	1.915	1.364	15.19
#1	.0027	.2525	5.670	.0025	1.248	.5044	-.0042
#2	.0029	.2569	5.555	.0045	1.242	.4944	-.0034
#3	.0037	.2404	6.036	.0070	1.205	.4914	-.0032

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2936	793.4	.0137	.0055	67.96	.0115	.0837
SDev	.0042	15.0	.0106	.0029	1.15	.0072	.0272
%RSD	1.413	1.886	77.35	53.37	1.692	62.65	32.50
#1	.2962	803.5	.0057	.0021	68.81	.0086	.0645
#2	.2957	800.6	.0096	.0070	68.42	.0062	.0717
#3	.2888	776.2	.0256	.0073	66.65	.0196	.1148

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0493	.0504	.0235	.0350	.6958	.0455	.0061
SDev	.0121	.0017	.0077	.0082	.0043	.0582	.0001
%RSD	24.65	3.433	32.63	23.33	.6142	128.0	1.164
#1	.0373	.0501	.0284	.0256	.6937	.0137	.0060
#2	.0488	.0488	.0146	.0388	.7007	.0101	.0061
#3	.0616	.0522	.0273	.0406	.6930	.1127	.0061

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0260	.0140	.0006	.0200	1.481	.0024	.0260
SDev	.0098	.0032	.0006	.0155	.162	.0010	.0010

%RSD	37.75	23.17	98.50	77.43	10.96	42.56	4.015
#1	.0252	.0106	.0002	.0321	1.402	.0015	.0267
#2	.0167	.0171	.0003	.0025	1.373	.0021	.0248
#3	.0362	.0143	.0012	.0254	1.668	.0035	.0263

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0011	-.0056	.0144
SDev	.0007	.0010	.0006
%RSD	58.93	18.03	3.949
#1	.0014	-.0046	.0138
#2	.0004	-.0066	.0144
#3	.0016	-.0056	.0149

Analysis Report Wed 03-13-96 12:04:15 PM page 1

Method: ICP1A Sample Name: Na @1000 PPM Operator: DRS
Run Time: 03/13/96 12:02:56
Comment: Na IEC 950622I124 @5X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0211	.0066	-.0023	-.0001	.0000	.0145
SDev	.0016	.0041	.0028	.0036	.0003	.0000	.0108
%RSD	175.6	19.40	42.65	154.3	554.4	105.3	74.92
#1	.0016	.0231	.0083	-.0063	.0001	.0000	.0021
#2	.0021	.0239	.0080	-.0014	.0001	.0000	.0188
#3	-.0009	.0164	.0033	.0007	-.0004	-.0000	.0224

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0329	.0081	.0120	.0014	.0013	-.0081	.0013
SDev	.0015	.0047	.0098	.0012	.0012	.0018	.0012
%RSD	4.708	57.78	81.40	82.05	98.39	22.74	90.95
#1	.0338	.0042	.0150	.0016	.0009	-.0074	.0021
#2	.0337	.0067	.0200	.0025	.0026	-.0066	.0018
#3	.0311	.0133	.0011	.0002	.0002	-.0101	-.0000

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	-.0075	-.0993	.0031	-.0016	.0087	-.0057
SDev	.0004	.0004	.3449	.0024	.0018	.0075	.0002
%RSD	43.36	4.985	347.2	77.10	113.6	86.51	4.265
#1	.0011	-.0076	.0764	.0037	-.0008	.0160	-.0058
#2	.0013	-.0071	.1223	.0051	-.0003	.0092	-.0054
#3	.0005	-.0079	-.4967	.0005	-.0037	.0009	-.0058

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	976.0	.0091	.0029	.0693	-.0006	.0564
SDev	.0014	14.2	.0078	.0011	.0180	.0048	.0312
%RSD	62.00	1.457	85.15	38.43	25.91	805.8	55.20
#1	.0023	966.9	.0112	.0025	.0557	.0007	.0669
#2	.0037	968.7	.0157	.0021	.0626	.0034	.0810
#3	.0009	992.4	.0005	.0042	.0897	-.0059	.0214

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0163	.0082	.0149	.0193	.0394	.0426	.0003
SDev	.0127	.0060	.0086	.0180	.0052	.0263	.0001
%RSD	78.17	73.70	57.84	92.93	13.29	61.71	42.23
#1	.0182	.0119	.0079	.0253	.0447	.0574	.0003
#2	.0280	.0115	.0246	.0336	.0391	.0581	.0004
#3	.0027	.0012	.0123	-.0009	.0342	.0122	.0002

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0074	-.0069	.0001	-.0002	.1478	.0011	-.0015
SDev	.0085	.0041	.0009	.0048	.1197	.0009	.0138

%RSD	115.2	59.65	845.3	2213.	80.96	90.50	939.2
#1	.0125	-.0041	.0007	.0050	.1678	.0014	-.0087
#2	.0122	-.0117	.0006	-.0045	.2562	.0018	.0144
#3	-.0024	-.0050	-.0010	-.0012	.0194	-.0000	-.0101

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0007	-.0043	.0001
SDev	.0005	.0008	.0013
%RSD	73.98	18.26	2103.
#1	.0011	-.0039	.0003
#2	.0010	-.0038	.0012
#3	.0001	-.0052	-.0013

Analysis Report QC Standard Wed 03-13-96 12:09:51 PM page 1

Method: ICP1A Sample Name: QC_MCVA1 9602261901 Operator: DRS
Run Time: 03/13/96 12:08:33
Comment: (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS 3/13/96 DRS

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4830	10.03	2.563	2.095	.5018	.0953	24.04
SDev	.0051	.13	.025	.022	.0077	.0013	.35
%RSD	1.060	1.319	.9711	1.054	1.531	1.347	1.438
#1	.4858	10.13	2.555	2.114	.5068	.0962	24.32
#2	.4860	10.09	2.591	2.101	.5056	.0959	24.14
#3	.4770	9.884	2.543	2.071	.4930	.0939	23.65
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.24	.4958	-.0344	1.006	1.003	.9421	-.0062
SDev	.30	.0050	.0093	.012	.019	.0138	.0011
%RSD	1.204	1.002	26.99	1.215	1.919	1.468	17.94
#1	25.44	.4983	-.0397	1.013	1.019	.9529	-.0074
#2	25.39	.4991	-.0397	1.012	1.009	.9468	-.0060
#3	24.89	.4901	-.0237	.9916	.9815	.9265	-.0052
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	20.32	24.28	-.0048	2.023	32.46	.5104
SDev	.0004	.28	.15	.0017	.028	.38	.0068
%RSD	290.8	1.375	.6190	34.44	1.385	1.183	1.340
#1	-.0004	20.49	24.26	-.0049	2.044	32.73	.5146
#2	-.0004	20.47	24.44	-.0065	2.034	32.64	.5141
#3	.0004	20.00	24.15	-.0031	1.991	32.02	.5025
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.010	37.53	-.0384	1.016	4.887	2.452	-.1185
SDev	.012	.45	.0099	.014	.070	.013	.0242
%RSD	1.213	1.200	25.88	1.347	1.431	.5409	20.44
#1	1.016	37.83	-.0477	1.020	4.942	2.461	-.1389
#2	1.017	37.76	-.0395	1.027	4.912	2.458	-.1249
#3	.9955	37.02	-.0280	1.001	4.808	2.437	-.0917
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0500	.0096	2.559	2.518	18.52	.0686	.5145
SDev	.0089	.0016	.038	.028	.22	.0222	.0080
%RSD	17.77	17.05	1.478	1.106	1.211	32.43	1.545
#1	-.0553	.0105	2.583	2.537	18.67	.0582	.5203
#2	-.0549	.0077	2.579	2.530	18.63	.0535	.5179
#3	-.0397	.0106	2.515	2.486	18.26	.0942	.5055
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0176	.0465	.9975	2.431	-.5296	1.005	.0346
SDev	.0098	.0044	.0132	.034	.1263	.014	.0073
%RSD	55.93	9.494	1.322	1.408	23.85	1.375	21.11
#1	.0080	.0467	1.006	2.450	-.6145	1.015	.0387
#2	.0171	.0508	1.004	2.451	-.5899	1.011	.0261
#3	.0277	.0420	.9823	2.391	-.3844	.9892	.0389
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0016	.9904	2.003
SDev	.0005	.0093	.028
%RSD	29.10	.9359	1.377
#1	-.0022	.9971	2.024
#2	-.0015	.9943	2.012
#3	-.0013	.9798	1.972
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report Wed 03-13-96 12:13:40 PM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/13/96 12:12:21
Comment: Na IEC 950622I124 @5X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0303	-.0009	.0016	.0005	.0002	.0413
SDev	.0003	.0043	.0027	.0007	.0002	.0000	.0087
%RSD	12.60	14.04	306.7	44.78	44.22	14.58	20.97
#1	.0028	.0336	-.0040	.0011	.0008	.0002	.0505
#2	.0023	.0318	.0000	.0024	.0004	.0002	.0399
#3	.0022	.0255	.0012	.0012	.0004	.0002	.0334

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0305	.0039	.0169	.0027	.0009	-.0049	.0033
SDev	.0017	.0017	.0035	.0005	.0014	.0008	.0003
%RSD	5.530	42.67	20.89	17.01	155.4	15.89	8.011
#1	.0324	.0021	.0185	.0032	.0006	-.0040	.0036
#2	.0299	.0041	.0194	.0024	.0025	-.0053	.0031
#3	.0292	.0054	.0129	.0024	-.0003	-.0054	.0031

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0118	.3209	.0051	.0008	.0297	-.0048
SDev	.0002	.0006	.1721	.0019	.0010	.0139	.0002
%RSD	23.97	5.362	53.61	37.41	124.9	46.72	4.577
#1	.0008	.0113	.4890	.0063	.0011	.0455	-.0047
#2	.0011	.0125	.3286	.0061	.0016	.0245	-.0051
#3	.0006	.0117	.1452	.0029	-.0003	.0192	-.0047

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.1093	.0148	.0039	.0218	-.0010	.0668
SDev	.0009	.0160	.0031	.0013	.0224	.0052	.0117
%RSD	44.72	14.65	21.07	32.66	102.6	541.1	17.44
#1	.0012	.1185	.0182	.0042	.0366	-.0002	.0714
#2	.0019	.1186	.0142	.0025	.0329	.0038	.0755
#3	.0030	.0908	.0121	.0049	-.0039	-.0065	.0536

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0289	.0085	.0164	.0227	.0503	.0293	.0008
SDev	.0029	.0043	.0028	.0052	.0033	.0221	.0001
%RSD	10.19	50.17	16.91	22.96	6.473	75.64	15.74
#1	.0322	.0126	.0138	.0219	.0541	.0514	.0008
#2	.0281	.0090	.0193	.0283	.0486	.0071	.0009
#3	.0265	.0041	.0161	.0180	.0483	.0294	.0007

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0166	-.0058	.0017	.0020	.2269	.0022	.0072
SDev	.0046	.0078	.0001	.0073	.0943	.0004	.0078

%RSD	27.50	134.2	4.678	371.7	41.55	16.81	108.1
#1	.0114	-.0056	.0017	-.0005	.2060	.0020	.0018
#2	.0201	-.0138	.0017	.0102	.3299	.0026	.0162
#3	.0182	.0019	.0016	-.0038	.1449	.0019	.0037

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0005	-.0042	.0023
SDev	.0004	.0002	.0007
%RSD	65.81	4.380	31.80
#1	.0003	-.0044	.0023
#2	.0010	-.0042	.0030
#3	.0004	-.0041	.0015

Analysis Report Wed 03-13-96 12:16:05 PM page 1

Method: ICP1A Sample Name: 96-2618 Operator: DRS
Run Time: 03/13/96 12:14:46
Comment: 119.COMP.W (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.7410	.0611	.1099	.0013	.0002	.4085
SDev	.0008	.0819	.0154	.0028	.0004	.0000	.0762
%RSD	26.67	11.06	25.20	2.565	34.75	17.92	18.67
#1	.0026	.6733	.0759	.1114	.0010	.0002	.3537
#2	.0028	.7177	.0452	.1118	.0011	.0002	.3762
#3	.0041	.8321	.0621	.1067	.0018	.0002	.4956

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.496	.0054	.0288	.0025	2.482	-.0071	.0032
SDev	.058	.0015	.0049	.0005	.014	.0014	.0010
%RSD	3.851	28.09	16.82	20.35	.5596	19.61	31.90
#1	1.446	.0066	.0260	.0026	2.494	-.0087	.0023
#2	1.481	.0037	.0260	.0019	2.485	-.0063	.0029
#3	1.559	.0060	.0344	.0029	2.467	-.0062	.0043

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.1941	4.516	.0085	.3311	.5334	-.0035
SDev	.0002	.0384	.138	.0023	.0034	.0058	.0003
%RSD	10.60	19.80	3.060	27.31	1.027	1.095	8.415
#1	.0017	.1621	4.386	.0066	.3336	.5400	-.0039
#2	.0019	.1834	4.501	.0079	.3326	.5288	-.0034
#3	.0021	.2367	4.661	.0111	.3273	.5315	-.0033

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2579	741.6	.0188	.0044	63.36	.0022	.1071
SDev	.0006	5.2	.0030	.0016	.16	.0011	.0131
%RSD	.2361	.6975	15.75	37.18	.2582	50.97	12.24
#1	.2578	745.6	.0168	.0032	63.46	.0009	.0920
#2	.2573	743.4	.0174	.0039	63.45	.0030	.1143
#3	.2585	735.7	.0222	.0063	63.17	.0028	.1150

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0551	.0479	.0185	.0343	.9625	.0511	.0069
SDev	.0064	.0009	.0143	.0048	.0135	.0161	.0007
%RSD	11.67	1.963	77.59	13.99	1.402	31.44	10.06
#1	.0482	.0472	.0067	.0375	.9492	.0684	.0063
#2	.0561	.0475	.0143	.0288	.9621	.0367	.0068
#3	.0609	.0490	.0345	.0366	.9762	.0481	.0076

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0290	-.0005	.0012	.0028	.5265	.0038	.0217
SDev	.0084	.0072	.0003	.0053	.1069	.0006	.0071

%RSD	29.07	1359.	24.45	189.7	20.30	15.45	32.69
#1	.0201	-.0007	.0009	.0084	.4193	.0035	.0141
#2	.0300	-.0076	.0011	-.0022	.5272	.0034	.0229
#3	.0368	.0067	.0015	.0022	.6330	.0045	.0281

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0006	-.0050	.0111
SDev	.0005	.0010	.0018
%RSD	79.77	19.58	16.40
#1	.0002	-.0060	.0094
#2	.0005	-.0047	.0109
#3	.0011	-.0041	.0131

Analysis Report Wed 03-13-96 12:19:39 PM page 1

Method: ICP1A Sample Name: 96-2618 DUP Operator: DRS
Run Time: 03/13/96 12:18:20
Comment: 119.COMP.W DUPLICATE (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	1.024	.0552	.0848	.0021	.0002	.7059
SDev	.0012	.062	.0054	.0020	.0002	.0000	.0706
%RSD	39.09	6.040	9.833	2.380	11.61	7.678	10.01
#1	.0017	1.034	.0586	.0869	.0019	.0002	.7181
#2	.0040	.9581	.0582	.0828	.0019	.0002	.6300
#3	.0038	1.081	.0490	.0847	.0023	.0002	.7696

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.556	.0057	.0459	.0034	2.527	-.0075	.0045
SDev	.051	.0032	.0061	.0002	.033	.0009	.0008
%RSD	3.307	56.21	13.19	5.737	1.320	11.82	17.53
#1	1.566	.0068	.0391	.0034	2.563	-.0076	.0036
#2	1.500	.0021	.0480	.0037	2.497	-.0065	.0051
#3	1.601	.0083	.0507	.0033	2.519	-.0083	.0049

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.3430	4.753	.0095	.3373	.5266	-.0029
SDev	.0003	.0331	.159	.0016	.0035	.0153	.0004
%RSD	13.65	9.655	3.342	17.07	1.042	2.904	12.51
#1	.0019	.3481	4.569	.0077	.3414	.5431	-.0029
#2	.0025	.3076	4.844	.0109	.3350	.5237	-.0032
#3	.0022	.3733	4.844	.0099	.3355	.5129	-.0025

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2618	753.9	.0249	.0056	65.22	.0138	.1211
SDev	.0040	9.6	.0062	.0009	.82	.0101	.0170
%RSD	1.537	1.279	24.73	16.50	1.250	72.92	14.05
#1	.2664	764.7	.0180	.0049	66.09	.0096	.1017
#2	.2591	746.3	.0268	.0066	64.47	.0065	.1336
#3	.2599	750.6	.0298	.0052	65.10	.0253	.1280

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0636	.0519	.0192	.0454	.9735	.0793	.0086
SDev	.0095	.0035	.0152	.0127	.0075	.0263	.0004
%RSD	14.93	6.711	78.83	27.96	.7717	33.10	5.068
#1	.0526	.0479	.0031	.0308	.9822	.0491	.0086
#2	.0691	.0537	.0215	.0517	.9690	.0921	.0081
#3	.0691	.0540	.0331	.0537	.9693	.0968	.0090

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0405	-.0033	.0013	.0098	.6513	.0041	.0228
SDev	.0045	.0057	.0004	.0056	.1124	.0007	.0047

%RSD	11.11	173.7	27.96	57.16	17.25	17.52	20.47
#1	.0359	-.0042	.0009	.0138	.5588	.0033	.0212
#2	.0448	-.0085	.0017	.0034	.7763	.0045	.0280
#3	.0408	.0028	.0013	.0121	.6188	.0047	.0191

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0011	-.0047	.0198
SDev	.0003	.0002	.0013
%RSD	30.61	3.943	6.646
#1	.0008	-.0049	.0200
#2	.0010	-.0047	.0184
#3	.0014	-.0045	.0211

Analysis Report QC Standard Wed 03-13-96 12:23:28 PM page 1

Method: ICP1A Sample Name: QC_MCVA1 9602261901 Operator: DRS
Run Time: 03/13/96 12:22:09
Comment: (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS 3/13/96 DKS

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4792	9.989	2.562	2.095	.5003	.0954	24.00
SDev	.0051	.121	.024	.026	.0063	.0011	.29
%RSD	1.064	1.215	.9181	1.241	1.252	1.161	1.188
#1	.4734	9.858	2.544	2.065	.4932	.0941	23.68
#2	.4808	10.01	2.553	2.112	.5024	.0958	24.08
#3	.4832	10.10	2.589	2.108	.5052	.0962	24.23
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.21	.4973	-.0416	1.002	1.008	.9381	-.0067
SDev	.30	.0080	.0013	.012	.005	.0113	.0008
%RSD	1.171	1.619	3.223	1.192	.4861	1.202	11.46
#1	24.88	.4920	-.0401	.9897	1.003	.9258	-.0058
#2	25.29	.4933	-.0423	1.003	1.007	.9408	-.0072
#3	25.45	.5065	-.0425	1.014	1.013	.9478	-.0071
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	20.30	23.96	-.0065	2.010	32.39	.5095
SDev	.0001	.25	.14	.0021	.015	.36	.0064
%RSD	38.94	1.215	.5819	32.29	.7385	1.105	1.265
#1	-.0002	20.02	23.89	-.0044	1.994	32.00	.5022
#2	-.0004	20.37	23.87	-.0087	2.010	32.45	.5115
#3	-.0002	20.50	24.12	-.0065	2.024	32.71	.5146
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.012	37.66	-.0428	1.008	4.923	2.452	-.1198
SDev	.009	.19	.0058	.015	.036	.028	.0136
%RSD	.8852	.5107	13.64	1.453	.7265	1.132	11.38
#1	1.002	37.47	-.0361	.9932	4.882	2.424	-.1046
#2	1.015	37.66	-.0471	1.009	4.944	2.454	-.1237
#3	1.019	37.86	-.0451	1.023	4.943	2.479	-.1310
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0538	.0109	2.572	2.522	18.47	.0747	.5136
SDev	.0049	.0018	.037	.027	.22	.0107	.0061
%RSD	9.120	16.82	1.449	1.075	1.172	14.27	1.192
#1	-.0483	.0114	2.533	2.496	18.23	.0777	.5067
#2	-.0578	.0124	2.576	2.521	18.53	.0629	.5154
#3	-.0553	.0089	2.607	2.550	18.65	.0836	.5185
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0179	.0410	.9964	2.417	-.5632	1.004	.0229
SDev	.0079	.0085	.0120	.022	.0636	.013	.0127
%RSD	44.00	20.67	1.208	.8914	11.30	1.281	55.42
#1	.0088	.0364	.9830	2.392	-.4919	.9892	.0321
#2	.0227	.0357	1.0000	2.430	-.5832	1.008	.0282
#3	.0221	.0507	1.006	2.429	-.6144	1.014	.0084
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0016	.9946	2.000
SDev	.0004	.0161	.022
%RSD	23.31	1.615	1.122
#1	-.0012	.9775	1.975
#2	-.0018	.9971	2.007
#3	-.0018	1.009	2.018
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report QC Standard Wed 03-13-96 12:27:11 PM page 1

Method: ICP1A Sample Name: QC_MCVB2 9602211901 Operator: DRS
Run Time: 03/13/96 12:25:52
Comment: (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS 3/13/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0058	.0369	.3158	.1653	.0006	.0009	.0900
SDev	.0002	.0037	.0157	.0051	.0002	.0000	.0059
%RSD	4.173	10.07	4.967	3.074	27.17	3.329	6.531
#1	-.0057	.0368	.3023	.1595	.0007	.0009	.0965
#2	-.0061	.0333	.3330	.1677	.0004	.0009	.0850
#3	-.0056	.0407	.3123	.1687	.0007	.0008	.0885
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0244	.0095	1.993	.0008	.0054	.0205	2.004
SDev	.0029	.0027	.012	.0008	.0025	.0003	.013
%RSD	11.73	28.00	.5812	104.4	46.81	1.315	.6691
#1	.0277	.0081	2.001	.0006	.0052	.0208	2.008
#2	.0234	.0079	1.998	.0001	.0030	.0204	2.016
#3	.0223	.0126	1.980	.0016	.0080	.0203	1.989
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.026	.0228	-1.780	1.003	-.0052	-.0634	-.0047
SDev	.013	.0033	.248	.005	.0015	.0043	.0003
%RSD	.6205	14.45	13.93	.5344	28.12	6.787	6.493
#1	2.030	.0263	-1.987	1.006	-.0052	-.0587	-.0046
#2	2.036	.0225	-1.849	1.007	-.0066	-.0672	-.0050
#3	2.012	.0197	-1.505	.9972	-.0037	-.0641	-.0044
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			1.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0073	.3191	1.987	.0335	.1325	.2166	1.838
SDev	.0014	.0195	.011	.0043	.0255	.0017	.012
%RSD	19.80	6.102	.5345	12.79	19.29	.7713	.6442
#1	.0075	.3209	1.994	.0286	.1566	.2152	1.824
#2	.0058	.3376	1.991	.0367	.1351	.2160	1.846
#3	.0087	.2988	1.975	.0353	.1057	.2184	1.844
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value			2.000				

Range			10.00				
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.957	2.047	.1049	.0858	7.111	2.078	.0027
SDev	.006	.006	.0115	.0051	.305	.017	.0001
%RSD	.2897	.3100	10.98	5.937	4.289	.8088	2.569
#1	1.961	2.051	.1008	.0916	6.798	2.076	.0028
#2	1.959	2.051	.1179	.0822	7.129	2.063	.0028
#3	1.950	2.040	.0959	.0835	7.407	2.096	.0027
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	2.000	2.000				2.000	
Range	10.00	10.00				10.00	

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.901	10.06	.0047	.0044	22.56	.0004	1.944
SDev	.016	.05	.0002	.0107	.11	.0009	.008
%RSD	.8417	.5019	5.002	244.8	.4930	223.1	.4031
#1	1.887	10.09	.0044	.0131	22.53	.0003	1.935
#2	1.919	10.09	.0049	-.0076	22.69	-.0005	1.949
#3	1.899	10.01	.0047	.0077	022.47	.0014	1.948
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	2.000	10.00			25.00		2.000
Range	10.00	10.00			10.00		10.00

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.9749	-.0016	-.0682
SDev	.0057	.0004	.0009
%RSD	.5804	22.66	1.318
#1	.9775	-.0018	-.0682
#2	.9788	-.0012	-.0673
#3	.9684	-.0019	-.0691
Errors	QC Pass	NOCHECK	NOCHECK
Value	1.000		
Range	10.00		

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Method: ICP1A Sample Name: QC SSTA 9512081902 Operator: DRS
Run Time: 03/13/96 12:29:31
Comment: 119.COMP.W DUPLICATE (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0049	257.4	.3862	.0566	.0092	-.0007	197.6
SDev	.0009	1.0	.0277	.0040	.0002	.0001	.8
%RSD	19.24	.3950	7.180	7.099	2.271	8.259	.4291
#1	-.0038	256.6	.4057	.0604	.0092	-.0007	197.2
#2	-.0054	257.0	.3545	.0524	.0091	-.0008	197.0
#3	-.0054	258.6	.3984	.0570	.0095	-.0007	198.6

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	255.6	.0790	.1606	.0149	.2485	-.1201	.0397
SDev	1.1	.0034	.0084	.0015	.0023	.0035	.0018
%RSD	.4288	4.238	5.245	9.826	.9355	2.897	4.459
#1	255.3	.0751	.1626	.0140	.2458	-.1179	.0400
#2	254.7	.0812	.1514	.0141	.2502	-.1241	.0378
#3	256.8	.0806	.1679	.0166	.2494	-.1182	.0413

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0918	200.1	102.9	51.96	.0324	-.4723	.0164
SDev	.0005	.7	.6	.19	.0027	.0187	.0001
%RSD	.5409	.3691	.5477	.3613	8.261	3.957	.8234
#1	.0917	199.8	102.6	51.88	.0337	-.4678	.0166
#2	.0913	199.5	102.5	51.83	.0293	-.4928	.0164
#3	.0923	200.9	103.5	52.18	.0342	-.4562	.0163

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1056	.8964	.2363	196.5	203.6	1.030	.6064
SDev	.0050	.0357	.0072	.9	1.0	.011	.0115
%RSD	4.744	3.988	3.038	.4547	.5033	1.048	1.893
#1	.1063	.8704	.2347	196.2	202.9	1.036	.6046
#2	.1003	.8817	.2300	195.8	203.0	1.017	.5959
#3	.1102	.9372	.2441	197.5	204.7	1.036	.6187

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2655	.3526	.4826	1.546	-.1635	3.605	.0202
SDev	.0092	.0080	.0136	.024	.0126	.032	.0001
%RSD	3.448	2.256	2.810	1.533	7.716	.8756	.6125
#1	.2696	.3544	.4815	1.522	-.1505	3.624	.0202
#2	.2550	.3439	.4695	1.547	-.1642	3.569	.0200
#3	.2718	.3594	.4966	1.569	-.1757	3.623	.0203

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6547	.8815	.0065	.3032	197.8	.0571	.5628
SDev	.0097	.0027	.0005	.0083	.9	.0011	.0108

%RSD	1.488	.3119	7.820	2.737	.4565	1.884	1.913
#1	.6592	.8784	.0066	.2983	197.3	.0569	.5722
#2	.6436	.8836	.0059	.2986	197.4	.0562	.5511
#3	.6614	.8824	.0069	.3128	198.9	.0583	.5651

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0258	.0661	-.0174
SDev	.0003	.0048	.0009
%RSD	1.142	7.231	5.162
#1	.0256	.0622	-.0167
#2	.0256	.0646	-.0184
#3	.0261	.0714	-.0171

Analysis Report Wed 03-13-96 12:34:49 PM page 1

Method: ICP1A Sample Name: QC SSTMCV 9512081903 Operator: DRS
Run Time: 03/13/96 12:33:30
Comment: 119.COMP.W DUPLICATE (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5080	5.382	2.143	.0012	.1018	.0992	1.802
SDev	.0032	.047	.010	.0018	.0008	.0006	.037
%RSD	.6400	.8734	.4817	150.1	.7916	.6219	2.062
#1	.5112	5.435	2.132	.0021	.1027	.0999	1.844
#2	.5047	5.347	2.152	.0023	.1012	.0987	1.774
#3	.5080	5.363	2.147	-.0009	.1014	.0991	1.789

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.312	.2163	.0221	.0013	.3143	-.0077	.0040
SDev	.025	.0054	.0066	.0015	.0047	.0023	.0006
%RSD	1.917	2.494	29.70	112.4	1.489	29.77	15.71
#1	1.339	.2211	.0160	-.0001	.3195	-.0081	.0034
#2	1.306	.2105	.0291	.0012	.3105	-.0098	.0038
#3	1.290	.2173	.0213	.0028	.3128	-.0052	.0047

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	.7474	50.38	.0614	-.0026	-.0645	.1021
SDev	.0001	.0203	.25	.0030	.0016	.0110	.0009
%RSD	1.155	2.717	.4992	4.926	60.27	17.05	.8753
#1	.0085	.7693	50.67	.0642	-.0037	-.0735	.1031
#2	.0087	.7437	50.23	.0618	-.0032	-.0676	.1018
#3	.0087	.7292	50.23	.0582	-.0008	-.0522	.1013

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0057	5.192	.0129	.8366	4.354	3.109	.0219
SDev	.0012	.057	.0065	.0187	.043	.023	.0020
%RSD	21.71	1.090	50.00	2.240	.9901	.7294	9.205
#1	.0062	5.253	.0057	.8527	4.397	3.129	.0205
#2	.0043	5.141	.0148	.8412	4.310	3.084	.0242
#3	.0066	5.180	.0182	.8160	4.355	3.113	.0210

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0214	.0127	2.178	2.618	2.910	.1487	.0018
SDev	.0074	.0011	.004	.015	.018	.0198	.0000
%RSD	34.63	8.476	.1811	.5896	.6132	13.31	.0441
#1	.0133	.0118	2.181	2.636	2.929	.1354	.0018
#2	.0233	.0125	2.174	2.610	2.895	.1715	.0018
#3	.0277	.0139	2.179	2.608	2.905	.1393	.0018

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0227	.0977	.0007	.0020	19.84	.5224	.0354
SDev	.0024	.0057	.0003	.0117	.09	.0025	.0053

%RSD	10.62	5.826	44.90	596.7	.4749	.4846	14.86
#1	.0205	.0923	.0003	-.0097	19.94	.5249	.0324
#2	.0223	.0973	.0009	.0018	19.77	.5199	.0415
#3	.0253	.1036	.0007	.0138	19.79	.5223	.0324

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0005	-.0055	.5071
SDev	.0002	.0007	.0041
%RSD	30.72	12.05	.8162
#1	.0007	-.0062	.5117
#2	.0004	-.0055	.5038
#3	.0004	-.0049	.5058

Analysis Report QC Standard Wed 03-13-96 12:38:47 PM page 1

Method: ICP1A Sample Name: QC_SRM-1643d 108518 Operator: DRS
Run Time: 03/13/96 12:37:28
Comment: (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.0028	0.1826	0.0573	.1480	.5092	0.0122	.0679
SDev	.0005	.0063	.0023	.0006	.0038	.0001	.0056
%RSD	16.76	3.469	4.071	.4200	.7487	.3741	8.257
#1	0.0033	0.1891	0.0589	.1473	.5048	0.0121	.0707
#2	0.0026	0.1824	0.0546	.1480	.5112	0.0122	.0716
#3	0.0024	0.1764	0.0583	.1486	.5115	0.0122	.0614
Errors	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	QC Fail	NOCHECK
Value	.0013	.1276	.0560	.1448	.5065	.0125	
Range	.0570	3.500	.7300	5.200	8.900	.2800	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	031.75	0.0192	.0171	0.0277	0.0222	0.0089	.0020
SDev	.16	.0021	.0076	.0010	.0023	.0008	.0010
%RSD	.5039	11.01	44.18	3.717	10.38	8.587	51.00
#1	031.56	0.0174	.0244	0.0288	0.0228	0.0080	.0029
#2	031.85	0.0215	.0176	0.0275	0.0196	0.0093	.0021
#3	031.83	0.0186	.0093	0.0267	0.0241	0.0094	.0009
Errors	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail	NOCHECK
Value	31.04	.0065		.0250	.0185	.0205	
Range	.6400	.3700		.5900	.2000	3.800	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	0.1223	02.208	.0173	0.0180	08.530	0.0348
SDev	.0003	.0027	.182	.0012	.0003	.038	.0002
%RSD	16.78	2.165	8.239	6.975	1.560	.4445	.6704
#1	.0021	0.1249	02.415	.0186	0.0181	08.490	0.0348
#2	.0017	0.1225	02.139	.0169	0.0181	08.532	0.0350
#3	.0015	0.1196	02.071	.0163	0.0177	08.566	0.0345
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail
Value		.0912	2.356		.0165	7.989	.0377
Range		3.900	.0350		.5500	.0350	.8300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1147	22.01	.0157	0.1526	.0574	0.0225	.0483
SDev	.0008	.20	.0076	.0011	.0253	.0036	.0113
%RSD	.7218	.9302	48.68	.7351	44.12	15.93	23.40
#1	.1138	021.78	.0232	0.1522	.0800	0.0264	.0566
#2	0.1149	22.10	.0161	0.1539	.0622	0.0193	.0354
#3	0.1155	22.15	.0079	0.1518	.0300	0.0219	.0527
Errors	QC Pass	QC Pass	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK
Value	.1129	22.07		.0581		.0181	

Range	1.700	.6400		2.700		.6400	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0197	.0061	Q.0670	Q.0345	2.694	.0435	.3004
SDev	.0062	.0034	.0055	.0049	.020	.0309	.0022
%RSD	31.55	56.43	8.260	14.17	.7396	70.98	.7316
#1	.0256	.0087	Q.0728	Q.0395	2.671	.0791	.2979
#2	.0203	.0074	Q.0617	Q.0344	2.705	.0269	.3015
#3	.0132	.0022	Q.0666	Q.0297	2.706	.0245	.3019
Errors	NOCHECK	NOCHECK	QC Fail	QC Fail	NOCHECK	NOCHECK	QC Pass
Value			.0541	.0114			.2948
Range			1.100	.1700			3.400

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	-.0072	.0010	Q.0079	.3652	Q.0360	.0108
SDev	.0050	.0109	.0005	.0045	.0689	.0009	.0035
%RSD	44.10	151.2	49.02	57.39	18.88	2.511	31.98
#1	.0169	-.0037	.0015	Q.0104	.4421	Q.0366	.0143
#2	.0074	.0015	.0008	Q.0107	.3446	Q.0365	.0108
#3	.0096	-.0195	.0006	Q.0027	.3088	.0350	.0074
Errors	NOCHECK	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK
Value				.0073		.0351	
Range				.2500		1.400	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0008	Q.0714	.0004
SDev	.0004	.0003	.0006
%RSD	43.64	.3924	174.9
#1	.0012	Q.0712	.0002
#2	.0006	Q.0713	-.0001
#3	.0006	Q.0718	.0011
Errors	NOCHECK	QC Fail	NOCHECK
Value		.0725	
Range		.6500	

Analysis Report Wed 03-13-96 12:42:38 PM page 1

Method: ICP1A Sample Name: QC CCV1 960126H901 Operator: DRS
Run Time: 03/13/96 12:41:20
Comment: 119.COMP.W DUPLICATE (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	1.993	2.091	2.067	.9808	.9828	1.956
SDev	.0008	.014	.032	.020	.0113	.0109	.029
%RSD	82.81	.7030	1.547	.9801	1.151	1.108	1.502
#1	.0003	2.005	2.110	2.085	.9903	.9926	1.983
#2	.0019	1.978	2.053	2.045	.9683	.9711	1.924
#3	.0007	1.997	2.109	2.071	.9837	.9845	1.960

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.090	1.029	.0039	1.027	.5080	1.969	.0019
SDev	.019	.013	.0087	.009	.0062	.020	.0008
%RSD	.9269	1.303	226.1	.8707	1.229	1.027	40.33
#1	2.110	1.029	-.0056	1.035	.5094	1.985	.0014
#2	2.072	1.016	.0115	1.018	.5012	1.946	.0028
#3	2.089	1.042	.0057	1.027	.5134	1.976	.0015

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	2.033	4.516	.0039	1.982	2.110	1.036
SDev	.0002	.020	.149	.0015	.021	.021	.010
%RSD	27.61	.9970	3.303	38.64	1.049	1.018	.9567
#1	.0005	2.052	4.363	.0030	2.001	2.125	1.046
#2	.0009	2.012	4.661	.0056	1.960	2.085	1.026
#3	.0007	2.034	4.523	.0031	1.987	2.118	1.036

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.986	8.433	.0012	2.107	4.916	2.024	.0442
SDev	.019	.057	.0057	.022	.037	.017	.0199
%RSD	.9809	.6750	467.0	1.037	.7461	.8414	45.03
#1	2.005	8.457	-.0049	2.132	4.935	2.042	.0290
#2	1.966	8.368	.0062	2.094	4.874	2.009	.0667
#3	1.988	8.474	.0024	2.094	4.939	2.019	.0369

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0141	.0099	.0213	2.003	4.797	.0661	2.000
SDev	.0085	.0035	.0030	.021	.040	.0144	.023
%RSD	60.30	35.23	13.97	1.048	.8402	21.85	1.163
#1	.0097	.0064	.0179	2.028	4.829	.0709	2.021
#2	.0239	.0133	.0228	1.991	4.752	.0499	1.975
#3	.0087	.0101	.0233	1.991	4.811	.0776	2.005

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0163	.0039	.0002	1.928	.0625	.9786	.0205
SDev	.0065	.0025	.0005	.011	.0492	.0099	.0142

%RSD	39.90	64.37	218.9	.5568	78.75	1.010	69.24
#1	.0167	.0037	-.0003	1.936	.0472	.9883	.0367
#2	.0225	.0015	.0007	1.916	.1175	.9685	.0150
#3	.0096	.0065	.0002	1.932	.0228	.9789	.0099

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0000	1.024	-.0007
SDev	.0004	.010	.0008
%RSD	829.7	.9660	106.2
#1	-.0003	1.034	-.0006
#2	.0004	1.014	-.0000
#3	-.0003	1.022	-.0016

Analysis Report Wed 03-13-96 12:48:25 PM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/13/96 12:47:06
Comment: 119.COMP.W DUPLICATE (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0171	.0061	-.0042	.0004	.0003	.0155
SDev	.0007	.0046	.0084	.0022	.0001	.0000	.0146
%RSD	103.9	26.98	136.5	52.02	34.28	11.47	94.04
#1	.0002	.0211	.0152	-.0067	.0003	.0004	.0307
#2	.0015	.0121	.0045	-.0029	.0005	.0003	.0017
#3	.0004	.0181	-.0013	-.0030	.0004	.0003	.0141

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0141	.0066	.0031	.0016	-.0005	-.0074	.0018
SDev	.0004	.0018	.0061	.0005	.0023	.0017	.0002
%RSD	2.649	27.23	199.0	29.67	432.4	22.46	12.23
#1	.0137	.0083	.0033	.0017	-.0003	-.0056	.0017
#2	.0143	.0047	-.0032	.0020	-.0029	-.0088	.0020
#3	.0144	.0067	.0090	.0011	.0016	-.0078	.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	-.0069	-.2216	.0028	-.0026	-.0076	-.0054
SDev	.0001	.0002	.0229	.0015	.0007	.0068	.0001
%RSD	23.08	2.945	10.35	53.58	28.64	89.02	1.767
#1	.0005	-.0067	-.2445	.0012	-.0018	-.0070	-.0053
#2	.0007	-.0069	-.1987	.0042	-.0028	-.0011	-.0053
#3	.0005	-.0071	-.2216	.0031	-.0032	-.0147	-.0055

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0076	.0042	.0416	.0256	.0021	.0446
SDev	.0002	.0085	.0016	.0026	.0220	.0054	.0028
%RSD	26.08	110.8	37.89	6.341	86.06	257.9	6.263
#1	.0005	-.0151	.0054	.0440	.0065	.0078	.0455
#2	.0007	.0016	.0024	.0419	.0496	-.0029	.0469
#3	.0009	-.0095	.0047	.0388	.0206	.0013	.0415

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0118	.0032	.0141	.0060	.0223	.0072	.0008
SDev	.0042	.0026	.0011	.0059	.0056	.0157	.0000
%RSD	35.42	81.40	7.752	98.30	25.07	217.4	.0242
#1	.0076	.0019	.0142	.0128	.0270	-.0011	.0008
#2	.0159	.0061	.0130	.0016	.0237	.0254	.0008
#3	.0120	.0014	.0152	.0037	.0161	-.0025	.0008

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	-.0009	.0000	-.0010	.0786	.0005	-.0056
SDev	.0056	.0030	.0001	.0078	.0418	.0001	.0103

%RSD	110.9	352.5	835.5	791.7	53.15	20.73	185.3
#1	.0102	-.0001	.0001	-.0051	.0311	.0005	.0005
#2	.0058	-.0042	.0001	.0080	.1098	.0004	.0003
#3	-.0009	.0017	-.0001	-.0059	.0949	.0006	-.0175

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0002	-.0055	-.0004
SDev	.0002	.0003	.0003
%RSD	105.7	4.676	81.59
#1	.0001	-.0056	-.0007
#2	.0001	-.0052	-.0005
#3	.0004	-.0056	-.0000

DATE TO QC: 03/19/96

DATA QUALITY REVIEW

I have reviewed the following data for completeness and for compliance with project requirements.

Analyte - ICP - Field Blank, Liner Liquid, Homogenization Check

Data Package/Report - BX-112

Project No. - 22762

ACL Numbers - 96-2619, 96-2620, 96-2849, 96-2851

PNL ACL Quality Representative

3/20/96
Date

Project: TWRS
Procedure: PNL-ALO-211

File: m021696a
Analyzed: 02/16/96

BX-112 Core 118/119

		118 1/2 Seg 2AH			119 1/2 Seg 3AH				
Sam Log#:		96-02849	96-02849		96-02851	96-02851		96-02849	
Split#:		118.2AH.F	118.2AH.F		119.3AH.F	119.3AH.F		Blank	
ICP Dil:		1.00	1.00		1.00	1.00		1.00	
Dil Fctr:		3242.5	3080.7		2924.0	3103.7		3083.6	
Est. IDL ug/mL	Analyte	Sample ug/g	Duplicate ug/g	RPD	Sample ug/g	Duplicate ug/g	RPD	Batch Blk ug/g	Post Spike Recoveries Spk "A"	Spk "B"
0.015	Ag	ND	ND		ND	ND		ND	100.6%	
0.060	Al	13,170	13,608	3	10,975	11,675	6	(1,053)	103.0%	
0.080	As	ND	ND		ND	ND		ND	111.0%	
0.050	B	ND	(591)		(199)	(176)		ND	106.6%	
0.010	Ba	ND	ND		ND	ND		ND	100.4%	
0.005	Be	ND	ND		ND	ND		ND	103.1%	
0.100	Bi	15,506	15,525	0	15,257	15,388	1	ND	101.6%	
0.250	Ca	ND	ND		ND	ND		ND	104.2%	
0.015	Cd	ND	ND		ND	ND		ND	103.2%	
0.100	Ce	ND	ND		ND	ND		ND		99.5%
0.050	Co	ND	ND		ND	ND		ND	103.6%	
0.020	Cr	1,240	1,236	0	1,253	1,255	0	ND	103.8%	
0.050	Cu	ND	ND		ND	ND		ND	101.9%	
0.050	Dy	ND	ND		ND	ND		ND		99.0%
0.100	Eu	ND	ND		ND	ND		ND		99.2%
0.050	Fe	6,711	6,766	1	7,753	7,732	0	ND	103.2%	
2.000	K	n/a	n/a		n/a	n/a		n/a		
0.050	La	ND	ND		ND	ND		ND		99.1%
0.030	Li	ND	ND		ND	ND		ND	96.8%	
0.100	Mg	ND	ND		ND	ND		ND	103.9%	
0.050	Mn	(267)	(318)		(218)	(272)		(296)	106.2%	
0.030	Mo	ND	ND		ND	ND		ND	105.2%	
0.250	Na	80,847	81,786	1	78,157	78,764	1	(2,896)	103.1%	
0.100	Nd	ND	ND		ND	ND		ND		98.5%
0.100	Ni	n/a	n/a		n/a	n/a		n/a		
0.250	P	20,728	20,887	1	18,330	18,505	1	ND	108.2%	
0.100	Pb	ND	ND		ND	ND		ND	105.7%	
0.300	Rh	ND	ND		ND	ND		ND		101.4%
0.100	Ru	ND	ND		ND	ND		ND		104.8%
0.100	Se	ND	ND		ND	ND		ND	108.1%	
0.500	Si	(7,185)	17,720		(7,334)	(8,523)		(3,229)	99.8%	
0.015	Sr	(100)	(100)		(115)	(117)		ND	101.2%	
0.500	Te	ND	ND		ND	ND		ND		107.3%
0.025	Ti	ND	ND		ND	ND		ND	101.1%	
0.500	Tl	ND	ND		ND	ND		ND	103.6%	
2.000	U	ND	ND		ND	ND		ND		101.0%
0.015	V	ND	ND		ND	ND		ND	102.1%	
0.500	W	ND	ND		ND	ND		ND		102.4%
0.010	Y	ND	ND		ND	ND		ND		94.9%
0.020	Zn	ND	ND		(76)	(84)		ND	105.3%	
0.025	Zr	ND	ND		ND	ND		ND	100.8%	

Note:
1) Estimated Quantitation Limit (EQL) = 10x IDL; "( )" results <EQL but =>IDL.
2) Above 5 times EQL, results reportable to 2 1/2 significant digits.
3) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
4) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
5) Above 5 times the EQL, precision is estimated at better than +/-20% and accuracy +/-25%.
6) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
7) If RPD flagged with "*", then RPD >20% and sample & duplicate results >EQL.
8) Spike recovery "n/a/" = spike concentration <25% of sample concentration.
Data, including calibration/QC, archived File ICP-325-405-1/96A0074

Analyzed Date: 02/16/96
Project: TWRS
Procedure: PNL-ALO-211
ICP Data Name: 96A0074
Tank ID: BX-112 Core 118/119

File: m021696a
Reported: 03/15/96

Segment ID: 118 1/2 Seg 2AH 119 1/2 Seg 3AH

	Sample Log#	Sample 96-02849 118.2AH.F	Duplicate 96-02849 118.2AH.F	Sample 96-02851 119.3AH.F	Duplicate 96-02851 119.3AH.F	96-02849 Blank	96-02849 P.S. "A"	96-02849 P.S. "B"	96-02849 PS Base
	Prep Type	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
	Sample Wt-g	0.1542	0.1623	0.1710	0.1611	0.1622	0.1542	0.1542	0.1542
	Makeup Vol-mL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Dil: Smpl-mL	1	1	1	1	1	1	1	1
	Dil: Vol-mL	5	5	5	5	5	5	5	5
	Prep Factor	3242.5	3080.7	2924.0	3103.7	3083.6	3242.5	3242.5	3242.5
	Spike ID						9601301901	9602131901	
	Spike PreDil'n						2.0	2.0	2.0
	ICP Dilution	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Dil Fctr	3242.5	3080.7	2924.0	3103.7	3083.6	3242.5	3242.5	3242.5
	Run Time	11:53	12:14	12:24	12:27	11:46	11:57	12:06	11:53
(ug/g)	Ag	16.4	13.3	16.1	15.3	21.9	815.3	9.2	16.4
	Al	13170.1	13607.9	10975.4	11674.8	1053.1	23286.1	6680.8	13170.1
	As	191.2	161.1	151.3	184.3	178.9	4499.4	587.5	191.2
	B	63.1	591.2	199.4	176.0	68.0	3457.3	41.7	63.1
	Ba	18.4	17.4	15.7	17.7	7.6	813.8	9.1	18.4
	Be	0.6	0.4	0.4	0.5	0.5	167.1	0.9	0.6
	Bi	15505.5	15524.8	15257.5	15388.0	5.1	48917.0	8110.8	15505.5
	Ca	434.5	693.0	433.5	570.8	450.3	42223.1	269.7	434.5
	Cd	14.2	17.2	7.9	14.0	14.7	836.9	20.9	14.2
	Ce	196.3	180.3	191.6	187.3	128.4	124.3	3226.3	196.3
	Co	34.6	34.3	26.1	29.4	34.8	1678.9	12.3	34.6
	Cr	1239.7	1236.3	1252.9	1255.3	22.8	2302.6	641.5	1239.7
	Cu	40.5	38.0	40.3	48.8	45.2	1652.3	68.0	40.5
	Dy	17.9	17.6	19.5	19.3	19.1	9.7	3211.2	17.9
	Eu	6.7	7.1	6.9	6.4	6.3	6.6	3218.0	6.7
	Fe	6710.9	6765.7	7753.4	7732.3	70.1	36815.8	3473.7	6710.9
	K	7749213.4	7410220.0	6927982.1	7353866.4	7324229.3	4086680.1	4030249.9	7749213.4
	La	25.5	27.8	29.6	29.4	29.8	19.8	1606.9	25.5
	Li	-10.0	-14.4	28.9	20.6	-11.0	3139.9	-32.0	-10.0
	Mg	162.1	112.0	139.9	130.1	95.6	53902.6	-135.1	162.1
	Mn	267.2	318.1	218.0	272.0	296.1	994.3	138.1	267.2
	Mo	54.3	60.3	54.4	56.5	26.8	1706.0	42.0	54.3
	Na	80846.6	81786.3	78157.2	78764.4	2896.0	101759.3	42132.6	80846.6
	Nd	97.5	102.0	126.2	102.4	122.8	56.9	3192.3	97.5
	Ni	2483.8	2310.3	1213.4	1687.4	1752.5	2957.9	1355.2	2483.8
	P	20727.9	20887.1	18330.4	18504.6	43.5	19135.2	10577.9	20727.9
	Pb	152.5	150.2	167.0	145.9	143.6	4284.2	484.2	152.5
	Rh	144.2	130.3	149.2	129.7	167.8	70.6	3287.4	144.2
	Ru	60.2	55.7	61.8	65.6	64.6	69.8	3399.4	60.2
	Se	148.4	182.8	148.0	149.8	109.4	4379.5	163.9	148.4
	Si	7184.6	17719.8	7333.8	8523.3	3228.7	35942.9	44080.1	7184.6
	Sr	99.5	99.8	115.3	116.7	5.3	870.2	55.0	99.5
	Te	132.5	123.8	127.8	115.0	127.0	159.1	3478.2	132.5
	Ti	26.7	33.1	43.4	51.5	19.2	1639.6	16.6	26.7
	Tl	105.8	91.1	64.1	94.3	64.7	4199.2	78.2	105.8
	U	2670.5	2583.4	2757.1	2343.5	1861.4	1770.4	40918.4	2670.5
	V	15.2	15.1	17.4	16.8	16.5	1654.9	7.1	15.2
	W	86.1	64.3	89.0	52.4	65.2	108.6	3319.7	86.1
	Y	5.7	5.4	5.6	4.8	5.8	5.0	1538.4	5.7
	Zn	33.5	42.5	76.3	84.0	20.0	1707.4	27.4	33.5
(ug/g)	Zr	40.4	36.8	39.9	34.6	15.5	3267.6	-26.1	40.4

Template: TC-KOH-2 ICP RAW DATA -- IEC Corrected m021696a

Analyzed: 02/16/96
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

BX-112 Core 118/119

Raw Data
Data Page 2 of 2

Analyst: Donny Sanders 3/25/96

Reviewer: MW Ha 3-25-96

Sample ID:		96-02849	96-02849	96-02851	96-02851	96-02849	96-02849	96-02849	96-02849	Post Spikes	
Split ID:		118.2AH.F	118.2AH.F	119.3AH.F	119.3AH.F	Blank	P.S. "A"	P.S. "B"	PS Base	"A"	"B"
Run Time:		11:53	12:14	12:24	12:27	11:46	11:57	12:06	11:53	ug/mL	ug/mL
(ug/mL)	Ag	0.0051	0.0043	0.0055	0.0049	0.0071	0.2514	0.0028	0.0051	0.500	
	Al	4.0617	4.4171	3.7536	3.7616	0.3415	7.1814	2.0604	4.0617	10.000	
	As	0.0590	0.0523	0.0518	0.0594	0.0580	1.3876	0.1812	0.0590	2.500	
	B	0.0195	0.1919	0.0682	0.0567	0.0221	1.0662	0.0129	0.0195	2.000	
	Ba	0.0057	0.0057	0.0054	0.0057	0.0025	0.2510	0.0028	0.0057	0.500	
	Be	0.0002	0.0001	0.0001	0.0002	0.0002	0.0515	0.0003	0.0002	0.100	
	Bi	4.7819	5.0393	5.2181	4.9580	0.0017	15.0860	2.5014	4.7819	25.000	
	Ca	0.1340	0.2250	0.1483	0.1839	0.1460	13.0216	0.0832	0.1340	25.000	
	Cd	0.0044	0.0056	0.0027	0.0045	0.0048	0.2581	0.0064	0.0044	0.500	
	Ce	0.0605	0.0585	0.0655	0.0604	0.0416	0.0383	0.9950	0.0605		2.000
	Co	0.0107	0.0111	0.0089	0.0095	0.0113	0.5178	0.0038	0.0107	1.000	
	Cr	0.3823	0.4013	0.4285	0.4044	0.0074	0.7101	0.1978	0.3823	1.000	
	Cu	0.0125	0.0124	0.0138	0.0157	0.0147	0.5096	0.0210	0.0125	1.000	
	Dy	0.0055	0.0057	0.0067	0.0062	0.0062	0.0030	0.9903	0.0055		2.000
	Eu	0.0021	0.0023	0.0024	0.0021	0.0020	0.0020	0.9924	0.0021		2.000
	Fe	2.0696	2.1961	2.6517	2.4914	0.0227	11.3540	1.0713	2.0696	20.000	
	K	2389.8574	2405.3574	2369.3699	2369.4158	2375.2476	1260.3321	1242.9291	2389.8574		
	La	0.0079	0.0090	0.0101	0.0095	0.0097	0.0061	0.4956	0.0079		1.000
	Li	-0.0031	-0.0047	0.0099	0.0066	-0.0036	0.9684	-0.0099	-0.0031	2.000	
	Mg	0.0500	0.0364	0.0478	0.0419	0.0310	16.6236	-0.0417	0.0500	32.000	
	Mn	0.0824	0.1032	0.0746	0.0876	0.0960	0.3066	0.0426	0.0824	0.500	
	Mo	0.0168	0.0196	0.0186	0.0182	0.0087	0.5261	0.0129	0.0168	1.000	
	Na	24.9331	26.5478	26.7298	25.3779	0.9392	31.3826	12.9937	24.9331	36.700	
	Nd	0.0301	0.0331	0.0432	0.0330	0.0398	0.0176	0.9845	0.0301		2.000
	Ni	0.7660	0.7499	0.4150	0.5437	0.5684	0.9122	0.4179	0.7660		
	P	6.3925	6.7799	6.2690	5.9622	0.0141	5.9013	3.2622	6.3925	5.000	
	Pb	0.0470	0.0487	0.0571	0.0470	0.0466	1.3213	0.1493	0.0470	2.500	
	Rh	0.0445	0.0423	0.0510	0.0418	0.0544	0.0218	1.0138	0.0445		2.000
	Ru	0.0186	0.0181	0.0211	0.0212	0.0210	0.0215	1.0484	0.0186		2.000
	Se	0.0458	0.0594	0.0506	0.0483	0.0355	1.3506	0.0506	0.0458	2.500	
	Si	2.2157	5.7519	2.5082	2.7462	1.0471	11.0848	13.5943	2.2157	20.000	
	Sr	0.0307	0.0324	0.0394	0.0376	0.0017	0.2684	0.0170	0.0307	0.500	
	Te	0.0409	0.0402	0.0437	0.0370	0.0412	0.0491	1.0727	0.0409		2.000
	Ti	0.0082	0.0108	0.0148	0.0166	0.0062	0.5057	0.0051	0.0082	1.000	
	Tl	0.0326	0.0296	0.0219	0.0304	0.0210	1.2950	0.0241	0.0326	2.500	
	U	0.8236	0.8386	0.9429	0.7551	0.6037	0.5460	12.6192	0.8236		25.000
	V	0.0047	0.0049	0.0060	0.0054	0.0054	0.5104	0.0022	0.0047	1.000	
	W	0.0265	0.0209	0.0304	0.0169	0.0212	0.0335	1.0238	0.0265		2.000
	Y	0.0018	0.0017	0.0019	0.0016	0.0019	0.0015	0.4744	0.0018		1.000
	Zn	0.0103	0.0138	0.0261	0.0271	0.0065	0.5266	0.0084	0.0103	1.000	
(ug/mL)	Zr	0.0125	0.0119	0.0137	0.0111	0.0050	1.0077	-0.0080	0.0125	2.000	

Project: TWRS
Procedure: PNL-ALO-211

File: m021696b
Analyzed: 02/16/96
03/14/96

BX-112 Core 118/119

	118/119 Field Blk			118/119 "Liner"		
Sam Log#:	96-02619	96-02619		96-02620	96-02620	
Split#:	Fld-Blk.F	Fld-Blk.F		Hyd-Fld.D	Hyd-Fld.D	
ICP Dil:	1.00	1.00		5.00	5.00	
Dil Fctr:	1.02	1.02		5.10	5.10	

Est. IDL ug/mL	Analyte	Sample ug/ml	Duplicate ug/ml	RPD	Sample ug/ml	Duplicate ug/ml	RPD
0.015	Ag	ND	ND		ND	ND	
0.060	Al	(0.1)	(0.2)		(2.4)	(2.4)	
0.080	As	ND	ND		ND	ND	
0.050	B	1.8	1.7	2	2.9	2.7	6
0.010	Ba	ND	ND		ND	ND	
0.015	Be	ND	ND		ND	ND	
0.100	Bi	(0.3)	(0.3)		ND	ND	
0.100	Ca	(0.2)	(0.3)		(0.6)	ND	
0.025	Cd	ND	ND		ND	ND	
0.100	Ce	ND	ND		ND	ND	
0.050	Co	ND	ND		ND	ND	
0.020	Cr	(0.1)	(0.1)		12.4	11.9	4
0.075	Cu	ND	ND		ND	ND	
0.050	Dy	ND	ND		ND	ND	
0.100	Eu	ND	ND		ND	ND	
0.050	Fe	(0.2)	(0.2)		ND	ND	
2.000	K	ND	ND		(52.8)	(55.3)	
0.050	La	ND	ND		ND	ND	
0.025	Li	(0.1)	(0.1)		1,767.0	1,710.1	3
0.100	Mg	ND	ND		ND	ND	
0.050	Mn	ND	ND		ND	ND	
0.030	Mo	ND	ND		3.0	2.9	4
0.250	Na	41.6	40.8	2	6,261.7	5,975.7	5
0.100	Nd	ND	ND		ND	ND	
0.030	Ni	(0.0)	(0.0)		(0.2)	(0.2)	
0.250	P	4.1	4.0	2	169.3	164.7	3
0.500	Pb	ND	ND		ND	ND	
0.150	Rh	ND	ND		ND	ND	
0.100	Ru	ND	ND		ND	ND	
0.500	Se	ND	ND		ND	ND	
0.500	Si	(3.1)	(3.0)		(15.2)	(9.4)	
0.015	Sr	ND	ND		ND	ND	
0.500	Te	ND	ND		ND	ND	
0.025	Ti	ND	ND		ND	ND	
0.500	Tl	ND	ND		ND	ND	
2.000	U	ND	ND		(50.1)	(48.0)	
0.075	V	ND	ND		ND	ND	
1.000	W	ND	ND		ND	ND	
0.010	Y	ND	ND		ND	ND	
0.020	Zn	(0.1)	(0.2)		ND	ND	
0.050	Zr	ND	ND		ND	ND	

Note: 1) Estimated Quantitation Limit (EQL) = 10x IDL; "( )" results <EQL but =>IDL.
2) Above 5 times EQL, results reportable to 2 1/2 significant digits.
3) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
4) Above 5 times EQL, precision is estimated at better than +/-20% and accuracy +/-25%.
5) "ND" = Not Detected; Estimated Sample Detection Limit (ug/mL) = (IDL in ug/mL) * (Dil Fctr)
6) If RPD flagged with "*", then RPD >20% and sample & duplicate results >EQL.

Data, including calibration/QC, archived File ICP-325-405-1/96A0074

File: m021696b
Reported: 03/15/96
Data Page 1 of 2

Analyzed Date: 02/16/96 03/14/96
Project: TWRS
Procedure: PNL-ALO-211
ICP Data Name: 96A0074
Tank ID: BX-112 Core 118/119

Segment ID:		118/119 Field Blk		118/119 "Liner"	
Sample Log#		Sample 96-02619 Fld-Blk.F	Duplicate 96-02619 Fld-Blk.F	Sample 96-02620 Hyd-Fld.D	Duplicate 96-02620 Hyd-Fld.D
Prep Type		Acidify	Acidify	Acidify	Acidify
Sample Vol-mL		10.000	10.000	10.000	10.000
Makeup Vol-mL		10.200	10.200	10.200	10.200
Dil: Smpl-mL					
Dil: Vol-mL					
Prep Factor		1.020	1.020	1.020	1.020
Spike ID					
Spike PreDil'n					
ICP Dilution		1.00	1.00	5.00	5.00
Dil Fctr		1.02	1.02	5.10	5.10
Run Time		11:13	10:43	11:17	10:47
(ug/mL)	Ag	-0.00	0.00	0.01	0.02
	Al	0.15	0.17	2.45	2.36
	As	0.00	-0.00	0.22	0.23
	B	1.79	1.75	2.91	2.75
	Ba	0.00	0.00	0.00	0.00
	Be	0.00	0.00	0.00	0.00
	Bi	0.33	0.33	0.26	0.27
	Ca	0.23	0.25	0.62	0.50
	Cd	-0.00	0.01	0.01	0.04
	Ce	-0.01	0.00	-0.08	0.05
	Co	0.00	0.00	0.03	0.03
	Cr	0.14	0.13	12.36	11.86
	Cu	0.01	0.01	0.15	0.14
	Dy	-0.00	-0.00	0.00	0.02
	Eu	0.00	0.00	0.02	0.02
	Fe	0.19	0.22	0.03	0.18
	K	0.01	0.58	52.82	55.29
	La	-0.00	0.00	-0.00	0.02
	Li	0.12	0.12	1767.03	1710.08
	Mg	0.09	0.09	-0.20	-0.12
	Mn	0.00	-0.00	-0.02	-0.04
	Mo	0.02	0.01	3.03	2.90
	Na	41.63	40.79	6261.66	5975.74
	Nd	-0.01	0.00	-0.05	0.04
	Ni	0.04	0.04	0.18	0.21
	P	4.06	3.99	169.35	164.74
	Pb	-0.00	-0.00	0.03	0.08
	Rh	-0.01	0.00	0.30	0.42
	Ru	-0.00	0.00	0.34	0.39
	Se	-0.00	-0.01	0.29	0.27
	Si	3.14	3.02	15.15	9.44
	Sr	0.00	0.00	0.02	0.02
	Te	-0.01	0.00	0.15	0.19
	Ti	0.00	0.00	0.00	0.01
	Tl	-0.00	0.01	0.10	0.11
	U	-0.09	0.05	50.10	48.02
	V	-0.00	0.00	0.01	0.02
	W	0.00	0.01	0.23	0.43
	Y	-0.00	-0.00	-0.00	0.00
	Zn	0.15	0.17	0.05	0.04
(ug/mL)	Zr	0.00	0.00	-0.00	-0.02

Template: TC-1wl-2 ICP RAW DATA -- IEC Corrected m021696b

Raw Data
Data Page 2 of 2

Analyzed: 02/16/96 03/14/96 BX-112 Core 118/119
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: Danny Sanders 3/25/96 Reviewer: MLOhn 3/25/96

Notes: Samples, blank, post spikes analyszed 2/16/96
Duplicates analyzed on 3/14/96
2620 Na & Li @50x times 10

Sample ID:		96-02619	96-02619	96-02620	96-02620
Split ID:		Fld-Blk.F	Fld-Blk.F	Hyd-Fld.D	Hyd-Fld.D
Run Time:		11:13	10:43	11:17	10:47
(ug/mL)	Ag	-0.000	0.001	0.001	0.003
	Al	0.146	0.167	0.480	0.463
	As	0.004	-0.003	0.043	0.045
	B	1.751	1.714	0.572	0.538
	Ba	0.003	0.003	0.000	0.001
	Be	0.000	0.000	0.000	0.000
	Bi	0.328	0.328	0.051	0.052
	Ca	0.224	0.250	0.121	0.099
	Cd	-0.000	0.008	0.002	0.008
	Ce	-0.007	0.003	-0.015	0.009
	Co	0.003	0.003	0.006	0.006
	Cr	0.136	0.129	2.424	2.325
	Cu	0.005	0.010	0.030	0.027
	Dy	-0.002	-0.000	0.000	0.004
	Eu	0.000	0.000	0.004	0.004
	Fe	0.187	0.215	0.006	0.036
	K	0.008	0.567	10.357	10.842
	La	-0.001	0.001	-0.000	0.004
	Li	0.118	0.113	346.477	335.310
	Mg	0.091	0.088	-0.039	-0.024
	Mn	0.003	-0.001	-0.003	-0.008
	Mo	0.016	0.014	0.594	0.568
	Na	40.811	39.993	1227.777	1171.714
	Nd	-0.006	0.004	-0.009	0.007
	Ni	0.035	0.042	0.035	0.041
	P	3.976	3.908	33.205	32.302
	Pb	-0.002	-0.002	0.005	0.016
	Rh	-0.009	0.002	0.058	0.082
	Ru	-0.002	0.003	0.067	0.076
	Se	-0.003	-0.005	0.056	0.053
	Si	3.078	2.966	2.972	1.851
	Sr	0.002	0.002	0.004	0.004
	Te	-0.008	0.004	0.029	0.037
	Ti	0.000	0.002	0.000	0.001
	Tl	-0.004	0.009	0.020	0.022
	U	-0.092	0.048	9.823	9.415
	V	-0.001	0.000	0.002	0.004
	W	0.000	0.011	0.044	0.064
	Y	-0.000	-0.000	-0.000	0.000
	Zn	0.146	0.168	0.009	0.007
(ug/mL)	Zr	0.002	0.003	-0.001	-0.003

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										QC CCV1 96012	V1 960126H901
										A0074	A0074
										2/16/96	2/16/96
Statistical Summary for 'QC CCV1 960126H901'										10:45	12:55
(HPS:CCV-1)										CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	1197	1243
	(ug/mL)		*(ug/mL)*	*(ug/mL)*	*(%)*	*(ug/mL)*	*(%)*	*(>110%)*	*(<90%)*	*(ug/mL)*	*(ug/mL)*
Ag		2	0.000	0.001	370					0.001	-0.001
Al	2.000	2	1.975	0.016	1	-0.025	-1.3			1.986	1.964
As	2.000	2	2.115	0.005	0	0.115	5.7			2.111	2.118
B	2.000	2	2.146	0.051	2	0.146	7.3			2.110	2.182
Ba	1.000	2	0.978	0.007	1	-0.022	-2.2			0.983	0.974
Be	1.000	2	1.028	0.016	2	0.028	2.8			1.039	1.017
Bi	2.000	2	1.977	0.023	1	-0.023	-1.1			1.994	1.961
Ca	2.000	2	2.059	0.031	2	0.059	3.0			2.081	2.037
Cd	1.000	2	1.021	0.001	0	0.021	2.1			1.022	1.020
Ce		2	0.002	0.004	196					0.004	-0.001
Co	1.000	2	1.014	0.004	0	0.014	1.4			1.017	1.011
Cr	0.500	2	0.503	0.009	2	0.003	0.7			0.510	0.497
Cu	2.000	2	1.987	0.017	1	-0.013	-0.6			1.975	1.999
Dy		2	0.000	0.001	144					0.000	0.001
Eu		2	0.001	0.001	74					0.001	0.000
Fe	2.000	2	2.011	0.018	1	0.011	0.5			2.023	1.998
K	5.000	2	4.621	0.089	2	-0.379	-7.6			4.684	4.558
La		2	0.002	0.000	30					0.001	0.002
Li	2.000	2	1.958	0.036	2	-0.042	-2.1			1.984	1.932
Mg	2.000	2	2.089	0.038	2	0.089	4.4			2.116	2.062
Mn	1.000	2	1.036	0.006	1	0.036	3.6			1.040	1.032
Mo	2.000	2	1.974	0.008	0	-0.026	-1.3			1.979	1.968
Na	8.100	2	8.324	0.044	1	0.224	2.8			8.355	8.293
Nd		2	0.004	0.003	79					0.006	0.002
Ni	2.000	2	2.074	0.006	0	0.074	3.7			2.070	2.078
P	5.000	2	4.867	0.049	1	-0.133	-2.7			4.901	4.832
Pb	2.000	2	2.017	0.011	1	0.017	0.8			2.024	2.009
Pd		2	0.006	0.013	224					0.015	-0.003
Rh		2	0.002	0.005	290					0.005	-0.002
Ru		2	0.002	0.004	176					0.006	-0.001
Sb		2	0.035	0.023	65					0.051	0.019
Se	2.000	2	2.032	0.005	0	0.032	1.6			2.035	2.028
Si	5.000	2	5.228	0.336	6	0.228	4.6			4.991	5.466
Sn		2	0.052	0.035	68					0.076	0.027
Sr	2.000	2	1.979	0.003	0	-0.021	-1.1			1.981	1.977
Te		2	0.031	0.003	11					0.034	0.029
Th		2	0.006	0.001	19					0.007	0.005
Ti		2	0.000	0.000	239					0.000	0.000
Tl	2.000	2	1.977	0.007	0	-0.023	-1.1			1.972	1.982
U		2	0.042	0.013	31					0.051	0.033
V	1.000	2	0.973	0.010	1	-0.027	-2.7			0.980	0.965
W		2	0.003	0.000	5					0.003	0.003
Y		2	0.001	0.002	165					0.003	0.000
Zn	1.000	2	1.016	0.015	1	0.016	1.6			1.005	1.026
Zr		2	-0.001	0.000	-18					-0.002	-0.001
TIME		2	########	0.000	0					########	########

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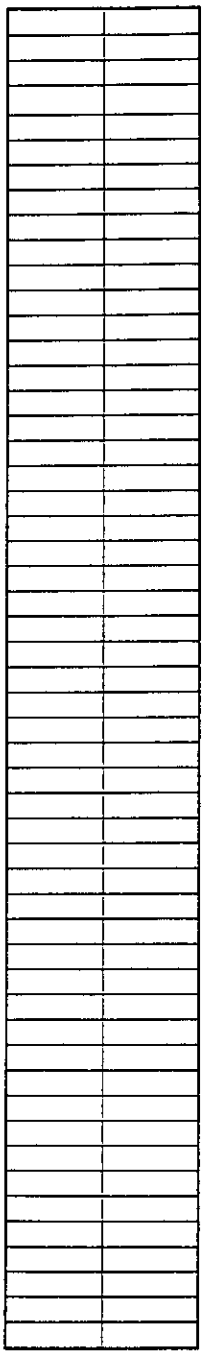

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVA 9601	CVA 9601	CVA 9601	CVA 9601
										A0074	A0074	A0074	A0074
										2/16/96	2/16/96	2/16/96	2/16/96
Statistical Summary for 'QC_MCVA 960130I901'										10:08	11:34	12:18	12:35
(QC-MCVA)										CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1473	1519	1565	1611
	(ug/mL)		*(ug/mL)*	*(ug/mL)*	*(%)*	*(ug/mL)*	*(%)*	*(>110%)*	*(<90%)*	*(ug/mL)*	*(ug/mL)*	*(ug/mL)*	*(ug/mL)*
Ag	0.500	4	0.511	0.007	1	0.011	2.2			0.517	0.501	0.514	0.511
Al	10.000	4	10.065	0.064	1	0.065	0.6			10.101	9.988	10.130	10.040
As	2.500	4	2.626	0.017	1	0.126	5.0			2.640	2.615	2.640	2.607
B	2.000	4	2.140	0.056	3	0.140	7.0			2.184	2.084	2.191	2.099
Ba	0.500	4	0.496	0.004	1	-0.004	-0.8			0.498	0.492	0.500	0.494
Be	0.100	4	0.100	0.001	1	0.000	0.1			0.101	0.100	0.100	0.099
Bi	25.000	4	24.852	0.399	2	-0.148	-0.6			25.181	24.289	25.081	24.857
Ca	25.000	4	25.431	0.182	1	0.431	1.7			25.635	25.255	25.533	25.302
Cd	0.500	4	0.506	0.007	1	0.006	1.2			0.507	0.496	0.509	0.511
Ce		4	0.014	0.009	67					0.017	0.021	0.000	0.017
Co	1.000	4	1.009	0.006	1	0.009	0.9			1.012	1.002	1.015	1.006
Cr	1.000	4	1.007	0.007	1	0.007	0.7			1.017	1.007	1.002	1.003
Cu	1.000	4	0.955	0.013	1	-0.045	-4.5			0.958	0.937	0.967	0.958
Dy		4	0.000	0.001	-262					-0.001	0.000	-0.001	0.001
Eu		4	0.002	0.000	22					0.002	0.002	0.001	0.002
Fe	20.000	4	20.292	0.156	1	0.292	1.5			20.450	20.144	20.400	20.172
K	25.000	4	24.802	0.717	3	-0.198	-0.8			24.431	24.009	25.606	25.161
La		4	0.004	0.002	45					0.004	0.005	0.001	0.005
Li	2.000	4	2.003	0.058	3	0.003	0.2			1.987	2.085	1.990	1.950
Mg	31.200	4	32.695	0.210	1	1.495	4.8			32.874	32.457	32.869	32.578
Mn	0.500	4	0.517	0.004	1	0.017	3.4			0.518	0.512	0.521	0.517
Mo	1.000	4	1.012	0.008	1	0.012	1.2			1.013	1.003	1.021	1.011
Na	36.700	4	36.876	0.337	1	0.176	0.5			36.515	36.847	37.329	36.812
Nd		4	0.004	0.006	135					0.006	0.011	-0.004	0.004
Ni	1.000	4	1.013	0.007	1	0.013	1.3			1.010	1.021	1.015	1.006
P	5.000	4	4.981	0.033	1	-0.019	-0.4			5.005	4.969	5.012	4.940
Pb	2.500	4	2.503	0.018	1	0.003	0.1			2.528	2.497	2.502	2.487
Pd		4	-0.035	0.023	-66					-0.029	-0.007	-0.063	-0.040
Rh		4	-0.004	0.010	-227					-0.002	0.006	-0.018	-0.004
Ru		4	0.012	0.004	37					0.009	0.018	0.008	0.013
Sb	2.500	4	3.281	0.024	1	0.781	31.2	+		3.308	3.263	3.296	3.259
Se	2.500	4	2.615	0.024	1	0.115	4.6			2.602	2.592	2.647	2.618
Si	20.000	4	19.810	0.528	3	-0.190	-0.9			20.230	19.405	20.302	19.305
Sn		4	0.249	0.046	18					0.275	0.299	0.206	0.214
Sr	0.500	4	0.504	0.004	1	0.004	0.9			0.505	0.500	0.509	0.503
Te		4	0.044	0.007	17					0.050	0.050	0.037	0.038
Th		4	0.045	0.008	17					0.041	0.037	0.048	0.054
Ti	1.000	4	0.989	0.006	1	-0.011	-1.1			0.993	0.982	0.996	0.986
Tl	2.500	4	2.514	0.022	1	0.014	0.6			2.542	2.492	2.522	2.502
U		4	0.092	0.097	105					0.165	0.178	-0.024	0.050
V	1.000	4	1.001	0.007	1	0.001	0.1			1.009	0.994	1.005	0.996
W		4	0.037	0.007	19					0.032	0.029	0.043	0.041
Y		4	0.001	0.001	46					0.002	0.002	0.001	0.001
Zn	1.000	4	1.012	0.016	2	0.012	1.2			1.004	0.994	1.027	1.023
Zr	2.000	4	1.983	0.013	1	-0.017	-0.9			1.986	1.968	2.000	1.978
TIME		4	########	0.000	0					########	########	########	########

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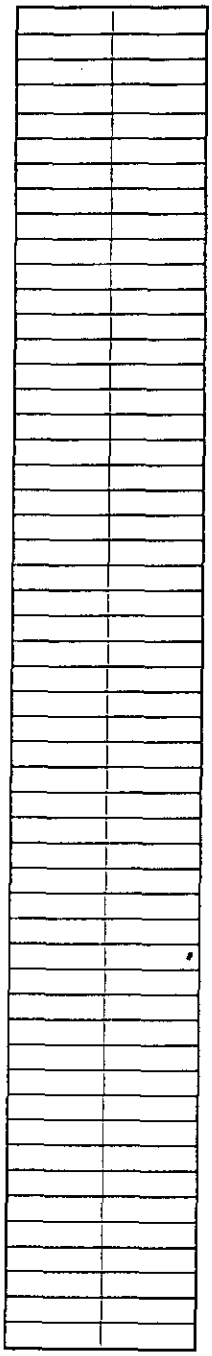
01901	

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVB 9602	VB1 960213I901
										A0074	A0074
										2/16/96	2/16/96
Statistical Summary for 'QC_MCVB 960213I901'										10:13	12:40
(QC-MCVB)										CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	1657	1703
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)
Ag		2	0.010	0.012	123					0.018	0.001
Al		2	-0.075	0.013	-17					-0.084	-0.066
As		2	0.304	0.025	8					0.286	0.322
B		2	0.032	0.007	22					0.037	0.027
Ba		2	0.000	0.000	2310					0.000	0.000
Be		2	0.001	0.000	15					0.001	0.000
Bi		2	0.069	0.029	42					0.090	0.049
Ca		2	0.020	0.017	84					0.032	0.008
Cd		2	0.007	0.003	49					0.004	0.009
Ce	2.000	2	1.924	0.013	1	-0.076	-3.8			1.915	1.933
Co		2	-0.003	0.002	-65					-0.001	-0.004
Cr		2	0.007	0.001	14					0.008	0.006
Cu		2	0.036	0.012	34					0.044	0.027
Dy	2.000	2	1.944	0.013	1	-0.056	-2.8			1.935	1.953
Eu	2.000	2	1.953	0.019	1	-0.047	-2.3			1.940	1.966
Fe		2	0.010	0.008	87					0.015	0.004
K		2	-1.581	0.022	-1					-1.597	-1.565
La	1.000	2	0.958	0.016	2	-0.042	-4.2			0.946	0.969
Li		2	-0.011	0.007	-63					-0.006	-0.016
Mg		2	-0.153	0.016	-10					-0.142	-0.164
Mn		2	-0.001	0.002	-216					-0.002	0.000
Mo		2	0.008	0.002	21					0.009	0.006
Na		2	0.077	0.056	74					0.117	0.037
Nd	2.000	2	1.920	0.010	0	-0.080	-4.0			1.913	1.926
Ni		2	0.034	0.008	23					0.029	0.040
P		2	0.075	0.000	0					0.075	0.075
Pb		2	0.231	0.006	3					0.236	0.227
Pd	2.000	2	1.991	0.007	0	-0.009	-0.4			1.986	1.996
Rh	2.000	2	1.984	0.003	0	-0.016	-0.8			1.982	1.986
Ru	2.000	2	2.036	0.015	1	0.036	1.8			2.046	2.025
Sb		2	0.141	0.005	4					0.137	0.145
Se		2	0.066	0.003	4					0.068	0.065
Si		2	18.815	4.154	22					21.753	15.878
Sn	2.000	2	2.069	0.039	2	0.069	3.5			2.097	2.041
Sr		2	0.002	0.000	14					0.003	0.002
Te	2.000	2	2.048	0.015	1	0.048	2.4			2.058	2.037
Th	10.000	2	3.348	0.364	11	-6.652	-66.5		.	3.091	3.605
Ti		2	0.002	0.001	23					0.003	0.002
Tl		2	0.013	0.009	71					0.020	0.007
U	25.000	2	24.292	0.072	0	-0.708	-2.8			24.343	24.241
V		2	-0.001	0.001	-198					0.000	-0.001
W	2.000	2	1.955	0.008	0	-0.045	-2.2			1.949	1.961
Y	1.000	2	0.925	0.000	0	-0.075	-7.5			0.925	0.925
Zn		2	0.003	0.003	118					0.000	0.005
Zr		2	-0.023	0.006	-27					-0.019	-0.027
TIME		2	#######	0.000	0					########	########

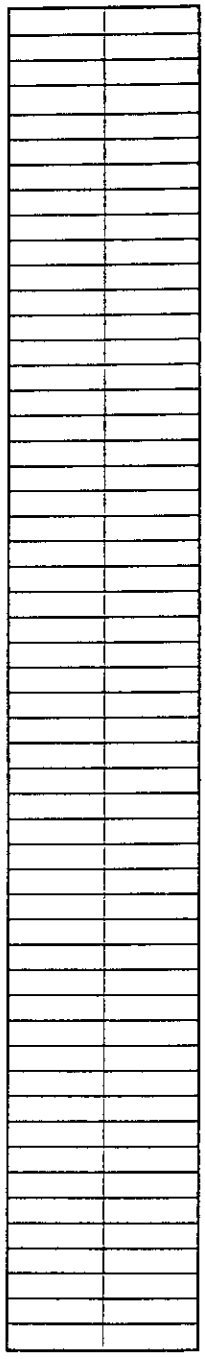
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

									QC_SRM-1643d	M-1643d 108518
									A0074	A0074
									2/16/96	2/16/96
Statistical Summary for 'QC_SRM-1643d 108518'									10:41	12:51
(NIST:SRM1643d)									CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	1749	1795
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)
Ag	0.001	2	0.001	0.001	83	0.000	-0.8	+	-	0.002	0.001
Al	0.128	2	0.137	0.002	2	0.009	7.0			0.135	0.138
As	0.056	2	0.135	0.095	71	0.079	140.2	+		0.202	0.067
B	0.145	2	0.252	0.074	30	0.107	73.9	+		0.199	0.304
Ba	0.507	2	0.511	0.005	1	0.005	0.9			0.515	0.508
Be	0.013	2	0.013	0.000	2	0.000	1.1			0.013	0.013
Bi	0.013	2	0.028	0.001	5	0.015	117.8	+		0.029	0.027
Ca	31.050	2	31.615	0.317	1	0.565	1.8			31.839	31.391
Cd	0.006	2	0.008	0.000	1	0.001	23.0	+		0.008	0.008
Ce		2	0.040	0.045	114					0.072	0.008
Co	0.025	2	0.025	0.002	7	0.000	-0.9			0.026	0.024
Cr	0.019	2	0.021	0.002	8	0.002	9.6	+		0.022	0.020
Cu	0.021	2	0.015	0.003	18	-0.006	-27.0		-	0.013	0.017
Dy		2	0.001	0.000	59					0.001	0.000
Eu		2	0.002	0.001	56					0.002	0.001
Fe	0.091	2	0.094	0.009	10	0.003	3.3	+		0.088	0.101
K	2.356	2	2.195	0.001	0	-0.161	-6.8			2.196	2.195
La		2	0.009	0.002	26					0.007	0.011
Li	0.017	2	0.011	0.008	73	-0.006	-34.8		-	0.016	0.005
Mg	7.989	2	8.524	0.092	1	0.535	6.7			8.589	8.459
Mn	0.038	2	0.038	0.002	5	0.001	1.7			0.037	0.040
Mo	0.113	2	0.113	0.003	3	0.000	0.2			0.115	0.111
Na	22.070	2	21.851	0.033	0	-0.219	-1.0			21.874	21.827
Nd		2	0.016	0.006	35					0.020	0.012
Ni	0.058	2	0.118	0.016	13	0.060	103.7	+		0.107	0.130
P		2	0.024	0.004	17					0.021	0.027
Pb	0.018	2	0.014	0.005	38	-0.004	-21.5		-	0.010	0.018
Pd		2	0.016	0.020	124					0.030	0.002
Rh		2	0.004	0.011	279					0.012	-0.004
Ru		2	0.001	0.005	408					0.005	-0.002
Sb	0.054	2	0.156	0.099	63	0.102	189.2	+		0.226	0.086
Se	0.011	2	0.018	0.011	62	0.006	55.2	+	-	0.025	0.010
Si	2.700	2	3.467	0.775	22	0.767	28.4	+		2.919	4.015
Sn		2	-0.007	0.045	-666					0.025	-0.039
Sr	0.295	2	0.299	0.001	0	0.004	1.4			0.300	0.298
Te	0.001	2	-0.002	0.001	-64	-0.003	-324.0		-	-0.001	-0.003
Th		2	-0.014	0.007	-49					-0.019	-0.009
Ti		2	0.001	0.000	26					0.001	0.000
Tl	0.007	2	0.011	0.005	40	0.004	57.7	+		0.015	0.008
U		2	0.298	0.039	13					0.325	0.270
V	0.035	2	0.048	0.019	39	0.012	35.5	+		0.061	0.034
W		2	-0.004	0.012	-318					-0.012	0.005
Y		2	0.007	0.009	129					0.014	0.001
Zn	0.072	2	0.073	0.004	6	0.000	0.5			0.070	0.076
Zr		2	0.000	0.000	-104					0.000	0.000
TIME		2	########	0.000	0					########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										ICP1.0 960103	.0 960103	.0 960103	.0 960103
										A0074	A0074	A0074	A0074
										2/16/96	2/16/96	2/16/96	2/16/96
Statistical Summary for 'ICP1.0 960103F100'										10:04	10:49	11:38	11:43
(ICP1.0 "Blank")										CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	553	599	645	691
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		6	0.001	0.002	217					0.003	0.000	0.003	0.000
Al		6	0.008	0.011	137					0.011	0.015	0.024	-0.002
As		6	0.009	0.008	90					0.001	0.025	0.010	0.009
B		6	0.061	0.061	100					0.161	0.045	0.011	-0.003
Ba		6	0.000	0.001	175					0.000	0.001	0.000	0.000
Be		6	0.000	0.001	152					0.000	0.001	0.000	0.000
Bi		6	0.004	0.030	785					0.020	0.017	0.049	-0.023
Ca		6	0.008	0.009	111					0.004	0.012	0.023	-0.003
Cd		6	0.001	0.001	202					0.000	0.000	-0.001	0.001
Ce		6	0.000	0.007	1850					0.008	-0.005	0.000	0.001
Co		6	0.000	0.002	651					0.001	0.002	0.002	-0.002
Cr		6	0.001	0.002	134					0.002	0.004	0.003	-0.001
Cu		6	0.000	0.001	829					0.000	0.001	-0.002	0.000
Dy		6	0.000	0.001	612					0.001	-0.001	0.000	0.000
Eu		6	0.000	0.000	117					0.001	0.001	0.001	0.000
Fe		6	-0.002	0.006	-263					-0.006	-0.004	0.009	-0.007
K		6	-0.092	0.181	-196					0.177	-0.315	-0.200	-0.069
La		6	0.001	0.002	173					0.004	0.001	0.003	-0.001
Li		6	-0.001	0.016	-2021					-0.003	-0.001	0.030	-0.004
Mg		6	-0.003	0.014	-413					-0.001	0.005	0.017	-0.012
Mn		6	-0.001	0.002	-131					-0.003	-0.002	-0.003	0.000
Mo		6	0.001	0.002	118					0.000	0.004	0.002	0.000
Na		6	0.020	0.079	390					0.028	0.027	0.167	-0.029
Nd		6	0.003	0.008	280					0.012	0.003	0.007	-0.003
Ni		6	0.015	0.021	143					0.000	0.039	0.013	0.001
P		6	-0.002	0.016	-981					0.003	0.009	0.016	-0.027
Pb		6	-0.001	0.004	-393					-0.003	0.002	-0.002	0.002
Pd		6	0.012	0.020	165					0.034	0.014	0.027	0.005
Rh		6	0.003	0.009	320					0.013	0.005	0.005	0.000
Ru		6	0.001	0.004	684					0.006	0.001	0.004	-0.001
Sb		6	0.006	0.008	129					0.008	0.017	0.002	0.006
Se		6	0.002	0.010	546					0.007	0.008	0.015	-0.003
Si		6	0.555	0.968	175					2.514	0.082	0.118	-0.009
Sn		6	0.002	0.030	1234					0.028	0.019	0.024	0.008
Sr		6	0.001	0.001	133					0.000	0.003	0.001	0.000
Te		6	0.001	0.008	1293					0.008	0.006	0.002	-0.001
Th		6	-0.002	0.003	-172					-0.002	-0.006	-0.006	-0.001
Ti		6	0.000	0.000	236					0.000	0.000	0.001	0.000
Tl		6	-0.001	0.005	-634					0.001	0.008	0.000	-0.005
U		6	0.029	0.099	348					0.109	-0.019	0.095	0.014
V		6	0.000	0.001	166					0.001	0.002	0.000	0.000
W		6	-0.003	0.009	-299					-0.011	-0.012	-0.006	-0.005
Y		6	0.000	0.001	311					0.001	0.001	0.000	0.000
Zn		6	-0.002	0.003	-117					-0.005	-0.004	-0.004	0.000
Zr		6	-0.001	0.001	-137					-0.001	-0.002	0.001	-0.001
TIME		6	#######	0.000	0					########	########	########	########

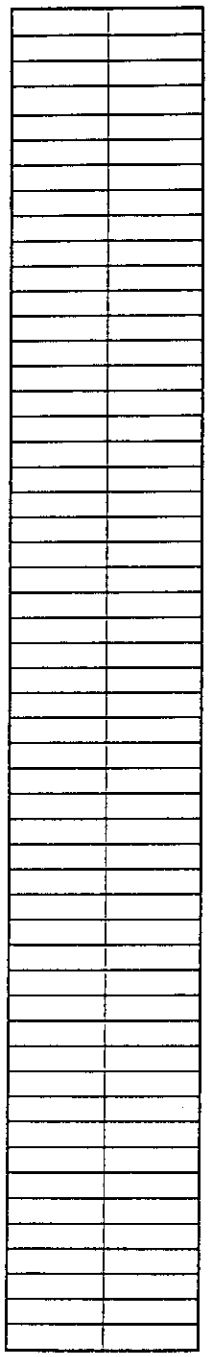
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

.0 960103	.0960103
A0074	A0074
2/16/96	2/16/96
12:58	12:22
CONC	CONC
737	783
(ug/mL)	*(ug/mL)*
0.000	-0.001
0.001	-0.003
0.006	0.004
0.105	0.048
0.001	0.000
0.001	0.000
-0.030	-0.010
0.004	0.008
0.002	0.001
0.007	-0.009
0.000	-0.001
0.001	0.000
0.003	-0.001
0.002	-0.001
0.000	0.000
-0.007	0.001
0.046	-0.192
0.002	-0.002
-0.013	-0.015
-0.024	-0.005
0.000	0.000
0.002	0.000
-0.018	-0.054
0.008	-0.010
0.042	-0.006
0.003	-0.014
0.002	-0.007
0.019	-0.024
0.008	-0.014
0.000	-0.006
0.008	-0.006
-0.004	-0.012
0.291	0.332
-0.012	-0.051
0.001	0.000
0.003	-0.014
0.000	0.002
0.000	0.000
-0.004	-0.004
0.114	-0.141
0.000	-0.001
0.013	0.002
0.000	-0.001
0.000	0.001
0.000	-0.001
########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										MCVA @2			
										A0074			
										2/16/96			
Statistical Summary for 'MCVA @2'										12:01			
(MCVA @2 Post Digestion Spike)										CONC			
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	1105			
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)			
Ag	0.250	1	0.262	#DIV/0!	######	0.012	4.7			0.262			
Al	5.000	1	5.179	#DIV/0!	######	0.179	3.6			5.179			
As	1.250	1	1.376	#DIV/0!	######	0.126	10.1	+		1.376			
B	1.000	1	1.082	#DIV/0!	######	0.082	8.2			1.082			
Ba	0.250	1	0.255	#DIV/0!	######	0.005	2.1			0.255			
Be	0.050	1	0.052	#DIV/0!	######	0.002	3.7			0.052			
Bi	12.500	1	12.877	#DIV/0!	######	0.377	3.0			12.877			
Ca	12.500	1	13.160	#DIV/0!	######	0.660	5.3			13.160			
Cd	0.250	1	0.265	#DIV/0!	######	0.015	5.9			0.265			
Ce		1	-0.001	#DIV/0!	######					-0.001			
Co	0.500	1	0.523	#DIV/0!	######	0.023	4.7			0.523			
Cr	0.500	1	0.522	#DIV/0!	######	0.022	4.4			0.522			
Cu	0.500	1	0.494	#DIV/0!	######	-0.006	-1.3			0.494			
Dy		1	-0.001	#DIV/0!	######					-0.001			
Eu		1	0.001	#DIV/0!	######					0.001			
Fe	10.000	1	10.521	#DIV/0!	######	0.521	5.2			10.521			
K	12.500	1	12.791	#DIV/0!	######	0.291	2.3			12.791			
La		1	0.000	#DIV/0!	######					0.000			
Li	1.000	1	0.998	#DIV/0!	######	-0.002	-0.2			0.998			
Mg	15.600	1	16.985	#DIV/0!	######	1.385	8.9			16.985			
Mn	0.250	1	0.269	#DIV/0!	######	0.019	7.6			0.269			
Mo	0.500	1	0.523	#DIV/0!	######	0.023	4.7			0.523			
Na	18.350	1	18.896	#DIV/0!	######	0.546	3.0			18.896			
Nd		1	-0.001	#DIV/0!	######					-0.001			
Ni	0.500	1	0.528	#DIV/0!	######	0.028	5.6			0.528			
P	2.500	1	2.568	#DIV/0!	######	0.068	2.7			2.568			
Pb	1.250	1	1.302	#DIV/0!	######	0.052	4.2			1.302			
Pd		1	-0.032	#DIV/0!	######					-0.032			
Rh		1	-0.013	#DIV/0!	######					-0.013			
Ru		1	0.004	#DIV/0!	######					0.004			
Sb	1.250	1	1.702	#DIV/0!	######	0.452	36.2	+		1.702			
Se	1.250	1	1.346	#DIV/0!	######	0.096	7.6			1.346			
Si	10.000	1	9.989	#DIV/0!	######	-0.011	-0.1			9.989			
Sn		1	0.112	#DIV/0!	######					0.112			
Sr	0.250	1	0.260	#DIV/0!	######	0.010	4.1			0.260			
Te		1	0.019	#DIV/0!	######					0.019			
Th		1	0.022	#DIV/0!	######					0.022			
Ti	0.500	1	0.510	#DIV/0!	######	0.010	2.0			0.510			
Tl	1.250	1	1.287	#DIV/0!	######	0.037	3.0			1.287			
U		1	-0.021	#DIV/0!	######					-0.021			
V	0.500	1	0.516	#DIV/0!	######	0.016	3.2			0.516			
W		1	0.018	#DIV/0!	######					0.018			
Y		1	0.000	#DIV/0!	######					0.000			
Zn	0.500	1	0.533	#DIV/0!	######	0.033	6.6			0.533			
Zr	1.000	1	1.020	#DIV/0!	######	0.020	2.0			1.020			
TIME		1	########	#DIV/0!	######					########			

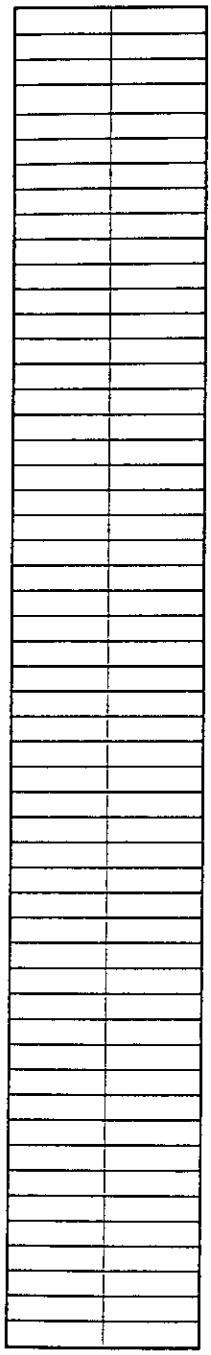
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										MCVB1 @2			
										A0074			
										2/16/96			
Statistical Summary for 'MCVB1 @2'										12:10			
(MCVB @2 Post Digestion Spike)										CONC			
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1151			
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)			
Ag		1	-0.001	#DIV/0!	######					-0.001			
Al		1	-0.049	#DIV/0!	######					-0.049			
As		1	0.157	#DIV/0!	######					0.157			
B		1	0.031	#DIV/0!	######					0.031			
Ba		1	-0.001	#DIV/0!	######					-0.001			
Be		1	0.000	#DIV/0!	######					0.000			
Bi		1	0.017	#DIV/0!	######					0.017			
Ca		1	-0.004	#DIV/0!	######					-0.004			
Cd		1	0.004	#DIV/0!	######					0.004			
Ce	1.000	1	0.980	#DIV/0!	######	-0.020	-2.0			0.980			
Co		1	-0.004	#DIV/0!	######					-0.004			
Cr		1	0.001	#DIV/0!	######					0.001			
Cu		1	0.010	#DIV/0!	######					0.010			
Dy	1.000	1	1.007	#DIV/0!	######	0.007	0.7			1.007			
Eu	1.000	1	1.016	#DIV/0!	######	0.016	1.6			1.016			
Fe		1	0.020	#DIV/0!	######					0.020			
K		1	-0.660	#DIV/0!	######					-0.660			
La	0.500	1	0.499	#DIV/0!	######	-0.001	-0.3			0.499			
Li		1	-0.017	#DIV/0!	######					-0.017			
Mg		1	-0.101	#DIV/0!	######					-0.101			
Mn		1	0.000	#DIV/0!	######					0.000			
Mo		1	0.003	#DIV/0!	######					0.003			
Na		1	-0.043	#DIV/0!	######					-0.043			
Nd	1.000	1	0.984	#DIV/0!	######	-0.016	-1.6			0.984			
Ni		1	0.021	#DIV/0!	######					0.021			
P		1	0.046	#DIV/0!	######					0.046			
Pb		1	0.113	#DIV/0!	######					0.113			
Pd	1.000	1	0.980	#DIV/0!	######	-0.020	-2.0			0.980			
Rh	1.000	1	1.011	#DIV/0!	######	0.011	1.1			1.011			
Ru	1.000	1	1.050	#DIV/0!	######	0.050	5.0			1.050			
Sb		1	0.076	#DIV/0!	######					0.076			
Se		1	0.025	#DIV/0!	######					0.025			
Si		1	10.468	#DIV/0!	######					10.468			
Sn	1.000	1	1.022	#DIV/0!	######	0.022	2.2			1.022			
Sr		1	0.001	#DIV/0!	######					0.001			
Te	1.000	1	1.055	#DIV/0!	######	0.055	5.5			1.055			
Th	5.000	1	1.632	#DIV/0!	######	-3.368	-67.4		-	1.632			
Ti		1	0.000	#DIV/0!	######					0.000			
Tl		1	0.003	#DIV/0!	######					0.003			
U	12.500	1	12.355	#DIV/0!	######	-0.145	-1.2			12.355			
V		1	-0.002	#DIV/0!	######					-0.002			
W	1.000	1	1.014	#DIV/0!	######	0.014	1.4			1.014			
Y	0.500	1	0.480	#DIV/0!	######	-0.020	-4.0			0.480			
Zn		1	0.002	#DIV/0!	######					0.002			
Zr		1	-0.016	#DIV/0!	######					-0.016			
TIME		1	#######	#DIV/0!	######					########			

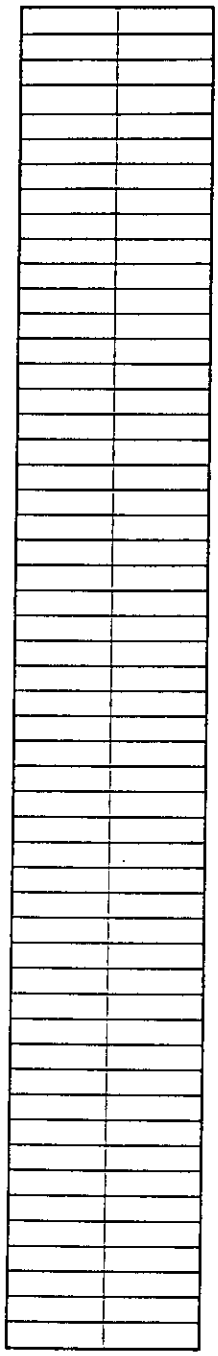
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC SSTMCV 951	MCV 9512081903	
										A0074	A0074	
										2/16/96	2/16/96	
Statistical Summary for 'QC SSTMCV 9512081903'										10:22	12:47	
("QC-SSTMCV" SST Midrange Cal. Check Std.)										CONC	CONC	
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1381	1427	
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	
Ag	0.500	2	0.524	0.006	1	0.024	4.8			0.528	0.519	
Al	5.000	2	5.156	0.037	1	0.156	3.1			5.182	5.129	
As	2.000	2	2.133	0.019	1	0.133	6.6			2.147	2.119	
B		2	0.216	0.069	32					0.167	0.264	
Ba	0.100	2	0.101	0.002	2	0.001	0.8			0.102	0.100	
Be	0.100	2	0.103	0.002	2	0.003	3.0			0.105	0.101	
Bi	1.500	2	1.707	0.057	3	0.207	13.8	+		1.747	1.667	
Ca	1.000	2	1.157	0.018	2	0.157	15.7	+		1.169	1.144	
Cd	0.200	2	0.210	0.000	0	0.010	5.1			0.210	0.210	
Ce		2	0.009	0.000	3					0.009	0.009	
Co		2	-0.003	0.002	-67					-0.001	-0.004	
Cr	0.300	2	0.311	0.006	2	0.011	3.7			0.315	0.307	
Cu		2	-0.001	0.001	-69					-0.001	0.000	
Dy		2	0.000	0.001	258					0.000	0.001	
Eu		2	0.008	0.000	1					0.008	0.007	
Fe	0.500	2	0.620	0.009	1	0.120	24.0	+		0.626	0.614	
K	50.000	2	49.888	0.982	2	-0.112	-0.2			50.582	49.194	
La		2	0.028	0.001	2					0.027	0.028	
Li		2	-0.008	0.005	-69					-0.004	-0.012	
Mg		2	-0.136	0.001	-1					-0.137	-0.135	
Mn	0.100	2	0.104	0.001	1	0.004	3.6			0.103	0.104	
Mo		2	0.005	0.001	16					0.005	0.004	
Na	5.000	2	5.074	0.044	1	0.074	1.5			5.105	5.042	
Nd		2	0.003	0.000	4					0.003	0.003	
Ni	0.500	2	0.727	0.030	4	0.227	45.5	+		0.749	0.706	
P	4.000	2	4.183	0.047	1	0.183	4.6			4.217	4.150	
Pb	3.000	2	3.062	0.051	2	0.062	2.1			3.098	3.026	
Pd		2	0.020	0.029	147					0.040	-0.001	
Rh		2	0.000	0.002	-12445					-0.002	0.002	
Ru		2	-0.001	0.003	-211					0.001	-0.004	
Sb	2.000	2	2.703	0.055	2	0.703	35.1	+		2.742	2.664	
Se	2.500	2	2.633	0.015	1	0.133	5.3			2.644	2.623	
Si	3.000	2	5.078	0.911	18	2.078	69.3	+		4.434	5.722	
Sn		2	0.047	0.050	106					0.083	0.012	
Sr		2	0.002	0.000	4					0.002	0.002	
Te		2	0.012	0.005	45					0.016	0.008	
Th		2	-0.019	0.021	-109					-0.034	-0.004	
Ti		2	-0.001	0.000	-21					-0.001	-0.001	
Tl		2	0.005	0.001	24					0.005	0.006	
U	20.000	2	20.469	0.244	1	0.469	2.3			20.642	20.297	
V	0.500	2	0.513	0.009	2	0.013	2.5			0.519	0.506	
W		2	0.019	0.014	73					0.009	0.028	
Y		2	0.000	0.000	-13					0.000	0.000	
Zn		2	-0.001	0.003	-251					-0.003	0.001	
Zr	0.500	2	0.507	0.006	1	0.007	1.3			0.511	0.503	
TIME	10000	2	########	0.000	0	0.000	0.0			########	########	

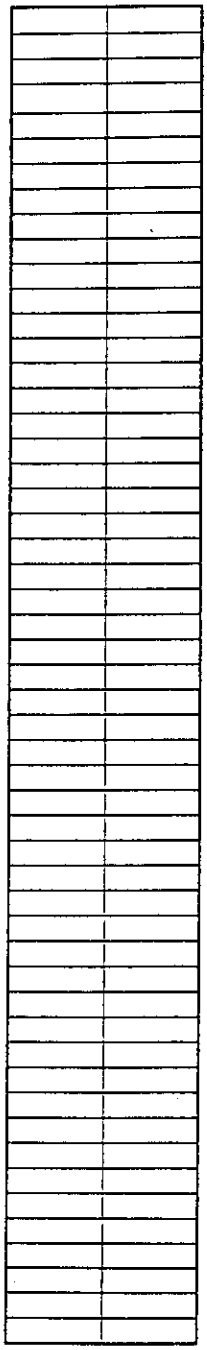
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC SSTA 9512	STA 951208I902		
										A0074	A0074		
										2/16/96	2/16/96		
Statistical Summary for 'QC SSTA 951208I902'										10:18	12:44		
("QC-SSTA" Interference Check Std.)										CONC	CONC		
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1289	1335		
	(ug/mL)		*(ug/mL)*	*(ug/mL)*	*(%)*	*(ug/mL)*	*(%)*	*(>110%)*	*(<90%)*	*(ug/mL)*	*(ug/mL)*		
Ag		2	-0.006	0.001	-23					-0.005	-0.006		
Al	250.0	2	252.241	1.719	1	2.241	0.9			253.456	251.025		
As		2	0.303	0.003	1					0.305	0.301		
B		2	0.390	0.016	4					0.379	0.401		
Ba		2	0.009	0.000	2					0.009	0.009		
Be		2	-0.002	0.000	-6					-0.001	-0.002		
Bi	200.0	2	200.767	2.588	1	0.767	0.4			202.597	198.937		
Ca	250.0	2	249.713	2.860	1	-0.287	-0.1			251.735	247.691		
Cd		2	0.071	0.004	6					0.068	0.074		
Ce		2	0.116	0.011	10					0.124	0.108		
Co		2	0.004	0.001	20					0.004	0.003		
Cr		2	0.233	0.000	0					0.233	0.233		
Cu		2	-0.101	0.001	-1					-0.101	-0.102		
Dy		2	0.030	0.002	7					0.029	0.032		
Eu		2	0.089	0.000	0					0.089	0.090		
Fe	200.0	2	195.386	2.050	1	-4.614	-2.3			196.835	193.937		
K	100.0	2	101.295	1.823	2	1.295	1.3			102.584	100.006		
La	50.0	2	50.611	0.155	0	0.611	1.2			50.502	50.721		
Li		2	0.027	0.007	26					0.032	0.022		
Mg		2	-1.143	0.070	-6					-1.193	-1.093		
Mn		2	0.016	0.002	14					0.015	0.018		
Mo		2	0.101	0.001	1					0.102	0.100		
Na		2	0.869	0.050	7					0.912	0.827		
Nd		2	0.191	0.001	0					0.191	0.190		
Ni	200.0	2	192.118	0.936	0	-7.882	-3.9			192.780	191.456		
P	200.0	2	201.611	1.352	1	1.611	0.8			202.567	200.654		
Pb		2	0.942	0.012	1					0.950	0.933		
Pd		2	1.035	0.164	16					1.151	0.919		
Rh		2	0.226	0.002	1					0.228	0.225		
Ru		2	0.178	0.036	20					0.152	0.204		
Sb		2	0.765	0.014	2					0.794	0.775		
Se		2	1.530	0.025	2					1.547	1.512		
Si		2	6.788	3.274	48					4.473	9.102		
Sn		2	3.547	0.088	2					3.609	3.486		
Sr		2	0.020	0.000	1					0.020	0.019		
Te		2	0.737	0.024	3					0.754	0.720		
Th		2	-0.211	0.170	-81					-0.332	-0.091		
Ti		2	-0.001	0.001	-43					-0.001	-0.002		
Tl		2	0.327	0.025	8					0.345	0.310		
U	200.0	2	204.293	2.159	1	4.293	2.1			205.820	202.767		
V		2	0.043	0.000	1					0.043	0.042		
W		2	0.552	0.002	0					0.554	0.550		
Y		2	0.020	0.000	0					0.020	0.020		
Zn		2	0.096	0.003	3					0.094	0.098		
Zr		2	0.056	0.013	23					0.065	0.047		
TIME		2	#######	0.000	0					########	########		

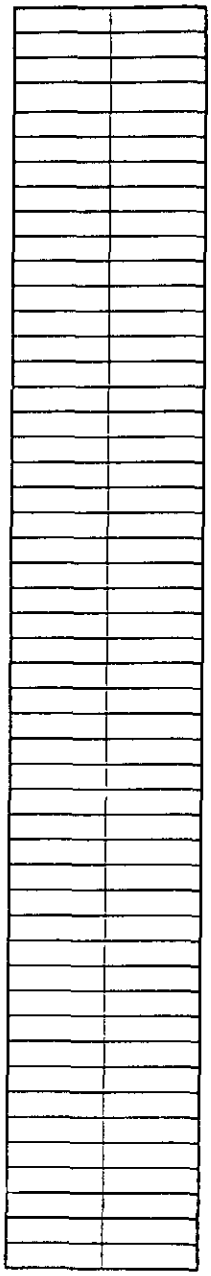
Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										3230.0			
Statistical Summary for 'SRM 2709'										SRM 2709			
(LCS-1 @5 [SRM-2709] ~.15g/100ml)										LCS BX112/HOMO			
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	High	Low	2/16/96			
	(ug/g)		(ug/g)	(ug/g)	(%)	(ug/g)	(%)	(>125%)	(<75%)	ug/g			
Ag	0.410	0								--			
Al	75000	1	70242.5	#DIV/0!	######	-4757.5	-6.3			70242.54			
As	17.700	1	272.5	#DIV/0!	######	254.8	1439.8		-	[272.55]			
B		1	211.8	#DIV/0!	######					[211.79]			
Ba	968.0	1	848.0	#DIV/0!	######	-120.0	-12.4			848.03			
Be		0								--			
Bi		0								--			
Ca	18900	1	18518.0	#DIV/0!	######	-382.0	-2.0			18518.02			
Cd	0.380	0								--			
Ce		0								--			
Co	13.400	0								--			
Cr	130.0	1	164.4	#DIV/0!	######	34.4	26.5		-	[164.41]			
Cu	34.600	0								--			
Dy		0								--			
Eu		0								--			
Fe	35000	1	32471.3	#DIV/0!	######	-2528.7	-7.2			32471.32			
La		0								--			
Li		0								--			
Mg	15100	1	14794.4	#DIV/0!	######	-305.6	-2.0			14794.44			
Mn	538.0	1	748.7	#DIV/0!	######	210.7	39.2		-	[748.74]			
Mo		0								--			
Na	11600	1	14343.3	#DIV/0!	######	2743.3	23.6			14343.35			
Nd		0								--			
P	620.0	1	844.9	#DIV/0!	######	224.9	36.3		-	[844.93]			
Pb	18.900	1	373.8	#DIV/0!	######	354.9	1877.6		-	[373.77]			
Pd		0								--			
Rh		0								--			
Ru		0								--			
Sb	7.900	0								--			
Se	1.570	1	420.8	#DIV/0!	######	419.3	#####		-	[420.83]			
Si	296600	1	275181.0	#DIV/0!	######	######	-7.2			275180.98			
Sn		0								--			
Sr	231.0	1	218.2	#DIV/0!	######	-12.8	-5.5		-	[218.18]			
Te		0								--			
Th		0								--			
Ti	3420.0	1	2907.4	#DIV/0!	######	-512.6	-15.0			2907.43			
Tl	0.740	0								--			
U		0								--			
V	112.0	1	121.8	#DIV/0!	######	9.8	8.8		-	[121.80]			
W		0								--			
Y		0								--			
Zn	106.0	1	132.9	#DIV/0!	######	26.9	25.4		-	[132.95]			
Zr		0								--			

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES



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A0074
ICP-225-960-1
2/16/96 BMJ

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	SPC-BLK 108447	A0074	ICP1A	02/16/96	09:14	DRS	S	INT
2	SPC-BLK 108447	A0074	ICP1A	02/16/96	09:14	DRS	S	CONC
3	SPC-STD 960103I100	A0074	ICP1A	02/16/96	09:17	DRS	S	INT
4	SPC-STD 960103I100	A0074	ICP1A	02/16/96	09:17	DRS	S	CONC
5	ICP1.0	A0074	ICP1A	02/16/96	09:23		X	IR
6	ICP1.1B	A0074	ICP1A	02/16/96	09:26		X	IR
7	ICP1.1A	A0074	ICP1A	02/16/96	09:30		X	IR
8	ICP1.2	A0074	ICP1A	02/16/96	09:34		X	IR
9	ICP1.3	A0074	ICP1A	02/16/96	09:37		X	IR
10	ICP1.4	A0074	ICP1A	02/16/96	09:41		X	IR
11	ICP1.5	A0074	ICP1A	02/16/96	09:44		X	IR
12	ICP1.6	A0074	ICP1A	02/16/96	09:48		X	IR
13	ICP1.7	A0074	ICP1A	02/16/96	09:52		X	IR
14	ICP1.8	A0074	ICP1A	02/16/96	09:56		X	IR
15	ICP1.0 960103F100	A0074	ICP1A	02/16/96	10:04	DRS	S	CONC
Pass* 16	QC_MCVA 960130I901	A0074	ICP1A	02/16/96	10:08	DRS	Q	CONC
Pass⊗ 17	QC_MCVB 960213I901	A0074	ICP1A	02/16/96	10:13	DRS	Q	CONC
18	QC SSTA 951208I902	A0074	ICP1A	02/16/96	10:18	DRS	S	CONC
19	QC SSTMCV 951208I903	A0074	ICP1A	02/16/96	10:22	DRS	S	CONC
20	ICP1.3 960215I901	A0074	ICP1A	02/16/96	10:26	DRS	S	CONC
21	ICP1.3 960213I101	A0074	ICP1A	02/16/96	10:29	DRS	S	CONC
22	ICP1.4 960216I101	A0074	ICP1A	02/16/96	10:33	DRS	S	CONC
23	ICP1.4 960213I102	A0074	ICP1A	02/16/96	10:37	DRS	S	CONC
24	QC_SRM-1643d 108518	A0074	ICP1A	02/16/96	10:41	DRS	Q	CONC
25	QC CCV1 960126H901	A0074	ICP1A	02/16/96	10:45	DRS	S	CONC
26	ICP1.0 960103F100	A0074	ICP1A	02/16/96	10:49	DRS	S	CONC
27	IP-TEST B BLANK	A0074	ICP1A	02/16/96	10:52	DRS	S	CONC
28	IP-TEST B +Na3PO4	A0074	ICP1A	02/16/96	10:57	DRS	S	CONC
Ignore 29	96-2619 Ignore-Na+P conc	A0074	ICP1A	02/16/96	11:04	DRS	S	CONC
30	96-2619 RERUN by dilution	A0074	ICP1A	02/16/96	11:13	DRS	S	CONC
31	96-2620 @5	A0074	ICP1A	02/16/96	11:17	DRS	S	CONC
32	96-2620 @50	A0074	ICP1A	02/16/96	11:22	DRS	S	CONC
33	96-2620 @2	A0074	ICP1A	02/16/96	11:26	DRS	S	CONC
Pass* 34	QC_MCVA 960130I901	A0074	ICP1A	02/16/96	11:34	DRS	Q	CONC
35	ICP1.0 960103F100	A0074	ICP1A	02/16/96	11:38	DRS	S	CONC
36	ICP1.0 960103F100	A0074	ICP1A	02/16/96	11:43	DRS	S	CONC
37	96-2849-BLANK	A0074	ICP1A	02/16/96	11:46	DRS	S	CONC
38	96-2849 @5	A0074	ICP1A	02/16/96	11:50	DRS	S	CONC
39	96-2849	A0074	ICP1A	02/16/96	11:53	DRS	S	CONC
40	96-2849 PS-A	A0074	ICP1A	02/16/96	11:57	DRS	S	CONC
41	MCVA @2	A0074	ICP1A	02/16/96	12:01	DRS	S	CONC
42	96-2849 PS-B	A0074	ICP1A	02/16/96	12:06	DRS	S	CONC
43	MCVB1 @2	A0074	ICP1A	02/16/96	12:10	DRS	S	CONC
44	96-2849 DUP	A0074	ICP1A	02/16/96	12:14	DRS	S	CONC
Pass* 45	QC_MCVA 960130I901	A0074	ICP1A	02/16/96	12:18	DRS	Q	CONC
46	ICP1.0960103F100	A0074	ICP1A	02/16/96	12:22	DRS	S	CONC
47	96-2851	A0074	ICP1A	02/16/96	12:24	DRS	S	CONC
48	96-2851 DUP	A0074	ICP1A	02/16/96	12:27	DRS	S	CONC
49	SRM 2709	A0074	ICP1A	02/16/96	12:31	DRS	S	CONC
50	QC_MCVA 960130I901	A0074	ICP1A	02/16/96	12:35	DRS	Q	CONC
51	QC_MCVB1 960213I901	A0074	ICP1A	02/16/96	12:40	DRS	Q	CONC
52	QC SSTA 951208I902	A0074	ICP1A	02/16/96	12:44	DRS	S	CONC
53	QC SSTMCV 951208I903	A0074	ICP1A	02/16/96	12:47	DRS	S	CONC

* Sb-N/A

⊗ Th-N/A

PS-A Post spike sample: MCVA (1:1)

PS-B " " " : MCVB (1:1)

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	QC_SRM-1643d 108518	A0074	ICP1A	02/16/96	12:51	DRS	Q	CONC
55	QC CCV1 960126H901	A0074	ICP1A	02/16/96	12:55	DRS	S	CONC
56	ICP1.0 960103F100	A0074	ICP1A	02/16/96	12:58	DRS	S	CONC

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#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108447	7987	2501.33	1924.67	1418	370.333	211
2	SPC-BLK 108447	.0003	-.0008	-.0005	.0003	.0001	.0000
3	SPC-STD 960103I100	8071	2536.33	1960.67	1465.33	370	210.667
4	SPC-STD 960103I100	.0031	.0037	.0153	.0059	.0001	-.0000
5	ICP1.0	.79776	.25	.19243	.14186	.03706	.02106
6	ICP1.1B					.77086	
7	ICP1.1A					7.29343	
8	ICP1.2		61.8746		41.7966		
9	ICP1.3						
10	ICP1.4			22.0133			
11	ICP1.5						
12	ICP1.6						1.71993
13	ICP1.7	27.2705					
14	ICP1.8						
15	ICP1.0 960103F100	.0033	.0110	.0012	.1606	.0001	.0000
16	QC_MCVA 960130I901	.5168	10.10	2.640	2.184	.4983	.1008
17	QC_MCVB 960213I901	.0184	-.0839	.2861	.0373	.0003	.0006
18	QC SSTA 951208I902	-.0047	253.5	.3047	.3791	.0094	-.0015
19	QC SSTMCV 951208I903	.5284	5.182	2.147	.1672	.1020	.1046
20	ICP1.3 960215I901	-.0117	-.4787	-.0717	.1547	.0077	.0067
21	ICP1.3 960213I101	-.0042	-.4653	-.0854	.1208	.0078	.0067
22	ICP1.4 960216I101	-.0052	-.0587	101.3	.1033	.0007	-.0101
23	ICP1.4 960213I102	-.0004	-.0374	100.9	.0815	.0011	-.0096
24	QC_SRM-1643d 108518	0.0020	0.1349	0.2017	0.1992	.5145	0.0128
25	QC CCV1 960126H901	.0014	1.986	2.111	2.110	.9831	1.039
26	ICP1.0 960103F100	.0005	.0151	.0249	.0448	.0013	.0014
27	IP-TEST B BLANK	-.0038	.0025	.0459	.0923	.1461	.0004
28	IP-TEST B +Na3PO4	-.0010	.0724	.0977	.1317	.0103	.0001
29	96-2619	.0000	.1412	.0050	1.759	.0024	.0000
30	96-2619 RERUN	-.0004	.1463	.0040	1.751	.0027	.0000
31	96-2620 @5	.0010	.4803	.0426	.5716	.0000	.0001
32	96-2620 @50	-.0033	.0400	.0059	.0695	-.0008	-.0000
33	96-2620 @2	.0042	1.105	.1210	1.290	.0006	.0003
34	QC_MCVA 960130I901	.5015	9.988	2.615	2.084	.4919	.1000
35	ICP1.0 960103F100	.0029	.0244	.0098	.0110	.0005	.0001
36	ICP1.0 960103F100	-.0003	-.0017	.0092	-.0026	-.0002	.0000
37	96-2849-BLANK	.0071	.3415	.0580	.0221	.0025	.0002
38	96-2849 @5	-.0005	.8312	.0052	.0001	.0009	-.0001
39	96-2849	.0051	4.062	.0590	.0195	.0057	.0002
40	96-2849 PS-A	.2514	7.181	1.388	1.066	.2510	.0515
41	MCVA @2	.2617	5.179	1.376	1.082	.2553	.0519
42	96-2849 PS-B	.0029	2.060	.1812	.0129	.0028	.0003
43	MCVB1 @2	-.0014	-.0492	.1571	.0308	-.0007	.0002
44	96-2849 DUP	.0043	4.417	.0523	.1919	.0057	.0001
45	QC_MCVA 960130I901	.5138	10.13	2.640	2.191	.4997	.1005
46	ICP1.0960103F100	-.0011	-.0028	.0041	.0478	-.0003	-.0000
47	96-2851	.0055	3.754	.0518	.0682	.0054	.0001
48	96-2851 DUP	.0049	3.762	.0594	.0567	.0057	.0001
49	SRM 2709	.0044	21.75	.0844	.0656	.2626	.0019
50	QC_MCVA 960130I901	.5110	10.04	2.607	2.099	.4938	.0994
51	QC_MCVB1 960213I901	.0013	-.0662	.3216	.0272	-.0002	.0005
52	QC SSTA 951208I902	-.0064	251.0	.3011	.4012	.0091	-.0016
53	QC SSTMCV 951208I903	.5195	5.129	2.119	.2643	.0996	.1015

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#	Sample Name	Ag	Al	As	B	Ba	Be
54	QC_SRM-1643d 108518	0.0005	0.1382	0.0674	0.3045	.5077	.0125
55	QC CCV1 960126H901	-.0006	1.964	2.118	2.182	.9739	1.017
56	ICP1.0 960103F100	-.0003	.0013	.0064	.1054	.0007	.0007

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SPC-BLK 108447	1778.33	1454.33	589	7594.33	1726.33	555.667
2	SPC-BLK 108447	-.0240	-.0051	-.0061	.0071	-.0019	-.0019
3	SPC-STD 960103I100	2011.67	1879.33	631.333	7613	1741	562.667
4	SPC-STD 960103I100	-.0170	.1190	-.0016	.0110	-.0004	-.0008
5	ICP1.0	.17779	.1454	.05926	.76006	.17296	.05403
6	ICP1.1B					2.01846	1.30799
7	ICP1.1A					17.6439	12.0061
8	ICP1.2		84.5064	9.26826			
9	ICP1.3						
10	ICP1.4				21.6048		
11	ICP1.5						
12	ICP1.6						
13	ICP1.7	22.8215					
14	ICP1.8						
15	ICP1.0 960103F100	.0203	.0036	-.0001	.0076	.0011	.0024
16	QC_MCVA 960130I901	25.18	25.63	.5073	.0173	1.012	1.017
17	QC_MCVB 960213I901	.0899	.0321	.0043	1.915	-.0010	.0077
18	QC SSTA 951208I902	202.6	251.7	.6654	.1236	.0040	.2330
19	QC SSTMCV 951208I903	1.747	1.169	.2103	.0087	-.0014	.3154
20	ICP1.3 960215I901	.2104	.0558	.0096	.0058	.0105	.0054
21	ICP1.3 960213I101	.2683	.0272	.0109	.0028	.0121	.0083
22	ICP1.4 960216I101	.0219	-.0278	-.0571	50.89	.0100	.0078
23	ICP1.4 960213I102	.0502	-.0307	-.0466	49.90	.0136	.0101
24	QC_SRM-1643d 108518	.0293	031.64	0.0079	.0719	0.0259	0.0220
25	QC CCV1 960126H901	1.994	2.081	1.022	.0044	1.017	.5095
26	ICP1.0 960103F100	.0165	.0117	.0000	-.0049	.0019	.0039
27	IP-TEST B BLANK	.0380	140.8	.0089	-.0157	-.0022	.0169
28	IP-TEST B +Na3PO4	.0028	.7313	.0011	-.0139	.0017	.0076
29	96-2619	.3300	.2289	.0006	-.0111	.0029	.1344
30	96-2619 RERUN	.3278	.2238	-.0003	-.0066	.0034	.1358
31	96-2620 @5	.0509	.1213	.0019	-.0150	.0063	2.424
32	96-2620 @50	.0049	.0066	-.0017	-.0330	-.0022	.2505
33	96-2620 @2	.1194	.2821	.0064	-.0102	.0148	5.629
34	QC_MCVA 960130I901	24.29	25.26	.4964	.0214	1.002	1.007
35	ICP1.0 960103F100	.0486	.0232	-.0012	-.0004	.0018	.0029
36	ICP1.0 960103F100	-.0230	-.0029	.0013	.0010	-.0018	-.0011
37	96-2849-BLANK	.0017	.1460	.0048	.0416	.0113	.0074
38	96-2849 @5	.9671	.0177	.0012	.0046	.0004	.0753
39	96-2849	4.782	.1340	.0044	.0605	.0107	.3823
40	96-2849 PS-A	15.09	13.02	.2581	.0383	.5178	.7101
41	MCVA @2	12.88	13.16	.2647	-.0007	.5233	.5220
42	96-2849 PS-B	2.501	.0832	.0064	.9950	.0038	.1979
43	MCVB1 @2	.0174	-.0043	.0036	.9798	-.0036	.0011
44	96-2849 DUP	5.039	.2250	.0056	.0585	.0111	.4013
45	QC_MCVA 960130I901	25.08	25.53	.5090	.0003	1.015	1.002
46	ICP1.0960103F100	-.0101	.0079	.0014	-.0036	-.0014	-.0002
47	96-2851	5.218	.1483	.0027	.0655	.0089	.4285

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#	Sample Name	Si	Ce	Cd	Ce	Co	Cr
48	96-2851 DUP	4.958	.1839	.0045	.0604	.0095	.4044
49	SRM 2709	.0038	5.733	.0053	.0451	.0142	.0209
50	QC_MCVA 960130I901	24.86	25.30	.5110	.0173	1.006	1.003
51	QC_MCVB1 960213I901	.0487	.0081	.0088	1.933	-.0042	.0062
52	QC SSTA 951208I902	198.9	247.7	.0742	.1079	.0031	.2326
53	QC SSTMCV 951208I903	1.667	1.144	.2100	.0091	-.0039	.3066
54	QC_SRM-1643d 108518	.0274	031.39	0.0080	.0076	0.0236	0.0196
55	QC CCV1 960126H901	1.961	2.037	1.020	-.0007	1.011	.4971
56	ICP1.0 960103F100	-.0295	.0044	.0020	.0075	-.0003	.0007

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108447	598.333	2319.67	411.333	695.667	2390	1194
2	SPC-BLK 108447	-.0102	.0008	.0002	-.0062	.4357	.0003
3	SPC-STD 960103I100	20549.3	2317.67	413	757.667	2394.67	1197.67
4	SPC-STD 960103I100	9.912	.0047	.0005	-.0052	.5427	.0014
5	ICP1.0	.06116	.23193	.04116	.06966	.23953	.11956
6	ICP1.1B	.4606			7.57336		
7	ICP1.1A	3.9532			70.3912		
8	ICP1.2					3.41026	
9	ICP1.3		40.6531	9.93379			5.33139
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						
15	ICP1.0 960103F100	.0000	.0007	.0006	-.0064	.1766	.0040
16	QC_MCVA 960130I901	.9576	-.0006	.0021	20.45	24.43	.0042
17	QC_MCVB 960213I901	.0441	1.935	1.540	.0154	-1.597	.9465
18	QC SSTA 951208I902	-.1007	.0285	.0893	196.8	102.6	50.50
19	QC SSTMCV 951208I903	-.0014	-.0002	.0076	.6260	50.58	.0274
20	ICP1.3 960215I901	.0035	49.68	19.88	.0416	-.6373	19.80
21	ICP1.3 960213I101	.0120	50.07	20.10	.0283	-.7371	20.02
22	ICP1.4 960216I101	.0144	.0288	.0224	.0011	-.9060	.0359
23	ICP1.4 960213I102	.0233	.0164	.0166	.0040	-.4300	.0336
24	QC_SRM-1643d 108518	0.0131	.0012	.0024	0.0876	02.196	.0074
25	QC CCV1 960126H901	1.975	-.0000	.0011	2.023	4.684	.0013
26	ICP1.0 960103F100	.0005	-.0009	.0005	-.0042	-.3148	.0011
27	IP-TEST B BLANK	-.0156	-.0049	.0030	.0054	6.165	-.0006
28	IP-TEST B +Na3PO4	.0011	-.0029	.0001	.0173	8.461	-.0030
29	96-2619	.0050	-.0029	-.0003	.1868	.0154	-.0032
30	96-2619 RERUN	.0050	-.0023	.0001	.1874	.0077	-.0012
31	96-2620 @5	.0302	.0002	.0039	.0059	10.36	-.0004
32	96-2620 @50	-.0033	-.0046	-.0005	-.0082	-.0998	-.0051
33	96-2620 @2	.0812	.0046	.0091	.0223	25.86	.0021
34	QC_MCVA 960130I901	.9368	.0000	.0024	20.14	24.01	.0045
35	ICP1.0 960103F100	-.0017	-.0002	.0005	.0093	-.1996	.0029
36	ICP1.0 960103F100	.0002	.0001	-.0001	-.0075	-.0691	-.0007
37	96-2849-BLANK	.0147	.0062	.0020	.0227	2375.	.0097
38	96-2849 @5	.0010	-.0003	.0001	.4177	501.3	-.0011
39	96-2849	.0125	.0055	.0021	2.070	2390.	.0079
40	96-2849 PS-A	.5096	.0030	.0020	11.35	1260.	.0061
41	MCVA @2	.4937	-.0006	.0007	10.52	12.79	.0004

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#	Sample Name	Cu	Dy	Eu	Fe	K	La
42	96-2849 FS-B	.0210	.9903	.9924	1.071	1243.	.4956
43	MCVB1 @2	.0098	1.007	1.016	.0197	-.6599	.4986
44	96-2849 DUP	.0124	.0057	.0023	2.196	2405.	.0090
45	QC_MCVA 960130I901	.9666	-.0012	.0014	20.40	25.61	.0012
46	ICP1.0960103F100	-.0008	-.0006	-.0002	.0007	-.1918	-.0018
47	96-2851	.0138	.0067	.0024	2.652	2369.	.0101
48	96-2851 DUP	.0157	.0062	.0021	2.491	2369.	.0095
49	SRM 2709	.0183	.0062	.0026	10.05	2394.	.0168
50	QC_MCVA 960130I901	.9578	.0006	.0018	20.17	25.16	.0045
51	QC_MCVB1 960213I901	.0272	1.953	1.966	.0037	-1.565	.9689
52	QC SSTA 951208I902	-.1020	.0317	.0896	193.9	100.0	50.72
53	QC SSTMCV 951208I903	-.0005	.0008	.0075	.6138	49.19	.0284
54	QC_SRM-1643d 108518	0.0168	.0005	.0010	0.1008	02.195	.0108
55	QC CCV1 960126H901	1.999	.0009	.0003	1.998	4.558	.0020
56	ICP1.0 960103F100	.0027	.0019	.0004	-.0066	.0460	.0021

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
1	SPC-BLK 108447	467	2902	238	976.667	491.333	4444.67
2	SPC-BLK 108447	-.0054	-.0132	-.0064	-.0001	-.0018	.0064
3	SPC-STD 960103I100	21245	2995.67	67381.7	1011	502	4469.67
4	SPC-STD 960103I100	10.14	-.0199	10.27	.0014	.0580	.0157
5	ICP1.0	.04746	.28909	.02613	.09753	.04923	.44486
6	ICP1.1B		4.78176		1.30193	.49686	
7	ICP1.1A		41.0151		11.6575	4.46679	
8	ICP1.2	10.3385		6.48376			
9	ICP1.3						13.8926
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						
15	ICP1.0 960103F100	-.0028	-.0007	-.0034	-.0005	.0284	.0122
16	QC_MCVA 960130I901	1.987	32.87	.5182	1.013	36.52	.0064
17	QC_MCVB 960213I901	-.0063	-.1416	-.0023	.0087	.1165	1.913
18	QC SSTA 951208I902	.0316	-1.193	.0146	.1022	.9120	.1911
19	QC SSTMCV 951208I903	-.0040	-.1371	.1031	.0050	5.105	.0032
20	ICP1.3 960215I901	.0059	-.3298	-.0023	.0012	.2008	50.03
21	ICP1.3 960213I101	.0053	-.3266	-.0025	.0018	.1591	50.55
22	ICP1.4 960216I101	-.0013	.0508	-.0004	.0110	.0578	-.0062
23	ICP1.4 960213I102	-.0011	.0635	.0000	.0148	.0955	-.0041
24	QC_SRM-1643d 108518	0.0164	08.589	0.0368	0.1154	021.87	.0202
25	QC CCV1 960126H901	1.984	2.116	1.040	1.979	8.355	.0060
26	ICP1.0 960103F100	-.0008	.0048	-.0019	.0038	.0266	.0026
27	IP-TEST B BLANK	.0120	46.70	-.0000	.0047	30.67	.0270
28	IP-TEST B +Na3PO4	.0115	2.532	-.0029	.0079	1728.	-.0079
29	96-2619	.1177	.0893	.0031	.0156	41.45	-.0048
30	96-2619 RERUN	.1177	.0914	.0030	.0157	40.81	-.0056
31	96-2620 @5	322.0	-.0387	-.0030	.5937	1142.	-.0089
32	96-2620 @50	34.65	-.0225	-.0040	.0593	122.8	-.0252
33	96-2620 @2	682.8	-.0867	-.0020	1.380	2511.	-.0051
34	QC_MCVA 9601301901	2.085	32.46	.5122	1.003	36.85	.0110
35	ICP1.0 960103F100	.0304	.0168	-.0031	.0021	.1671	.0066

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#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
36	ICP1.0 960103F100	-.0042	-.0123	.0000	.0001	-.0293	-.0028
37	96-2849-BLANK	-.0036	.0310	.0960	.0087	.9392	.0398
38	96-2849 @5	-.0083	-.0089	.0168	.0024	5.087	.0006
39	96-2849	-.0031	.0500	.0824	.0168	24.93	.0301
40	96-2849 PS-A	.9684	16.62	.3066	.5261	31.38	.0176
41	MCVA @2	.9982	16.99	.2690	.5235	18.90	-.0008
42	96-2849 PS-B	-.0099	-.0417	.0426	.0129	12.99	.9845
43	MCVB1 @2	-.0165	-.1008	.0000	.0025	-.0429	.9835
44	96-2849 DUP	-.0047	.0364	.1032	.0196	26.55	.0331
45	QC_MCVA 960130I901	1.990	32.87	.5210	1.021	37.33	-.0035
46	ICP1.0960103F100	-.0146	-.0049	.0001	.0005	-.0536	-.0098
47	96-2851	.0099	.0478	.0746	.0186	26.73	.0432
48	96-2851 DUP	.0066	.0419	.0876	.0182	25.38	.0330
49	SRM 2709	.0045	4.580	.2318	.0095	4.441	.0378
50	QC_MCVA 960130I901	1.950	32.58	.5165	1.011	36.81	.0041
51	QC_MCVB1 960213I901	-.0160	-.1637	.0005	.0065	.0369	1.926
52	QC SSTA 951208I902	.0219	-1.093	.0178	.1004	.8268	.1902
53	QC SSTMCV 951208I903	-.0117	-.1354	.1041	.0040	5.042	.0034
54	QC_SRM-1643d 108516	0.0052	08.459	0.0398	0.1108	021.83	.0123
55	QC CCV1 960126H901	1.932	2.062	1.032	1.968	8.293	.0017
56	ICP1.0 960103F100	-.0130	-.0244	.0005	.0020	-.0181	.0064

#	Sample Name	Ni	P	Pb	Pd	Rh	Ru
1	SPC-BLK 108447	584.667	1525.33	16388.7	18030.7	18129.7	5198.67
2	SPC-BLK 108447	.0018	.0109	-.0091	.0276	.0044	-.0031
3	SPC-STD 960103I100	591.667	1792	141189	18063	18180	5225.67
4	SPC-STD 960103I100	.0041	.0025	10.06	.0302	.0097	.0005
5	ICP1.0	.05846	.1537	1.6675	1.80546	1.8156	.52073
6	ICP1.1B	.68409		7.9741			
7	ICP1.1A	5.97226		61.2571			
8	ICP1.2		12.7975				
9	ICP1.3						35.6
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8				18.6581	42.9135	
15	ICP1.0 960103F100	-.0004	.0034	-.0028	.0337	.0131	.0059
16	QC_MCVA 960130I901	1.010	5.005	2.528	-.0293	-.0017	.0091
17	QC_MCVB 960213I901	.0289	.0754	.2356	1.986	1.982	2.046
18	QC SSTA 951208I902	192.8	202.6	.9504	1.151	.2279	.1522
19	QC SSTMCV 951208I903	.7490	4.217	3.098	.0401	-.0018	.0007
20	ICP1.3 960215I901	.2123	.3229	-.1800	-.9311	.0323	50.18
21	ICP1.3 960213I101	.3297	.3086	-.1673	-.8820	.0372	50.82
22	ICP1.4 960216I101	.1393	.0692	-.0357	.3020	.0224	.0367
23	ICP1.4 960213I102	.2214	.0712	-.0131	.3576	.0430	.0264
24	QC_SRM-1643d 108518	0.1072	.0211	0.0104	.0296	.0119	.0045
25	QC CCV1 960126H901	2.070	4.901	2.024	.0155	.0054	.0055
26	ICP1.0 960103F100	.0395	.0090	.0016	.0137	.0046	.0014
27	IP-TEST B BLANK	.0668	.0016	-.0101	-.0646	-.0228	-.0050
28	IP-TEST B +Na3PO4	.0357	682.8	.0008	-.0163	-.0125	-.0011
29	96-2619	.0367	4.164	-.0079	-.0125	-.0094	-.0026

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#	Sample Name	Ni	P	Pb	Pd	Rh	Ru
30	96-2619 RERUN	.0354	3.976	-.0022	-.0126	-.0087	-.0016
31	96-2620 @5	.0349	33.21	.0054	.0670	.0583	.0673
32	96-2620 @50	.0137	3.331	-.0240	-.0529	-.0262	-.0034
33	96-2620 @2	.0612	78.75	.0409	.1889	.1647	.1602
34	QC_MCVA 960130I901	1.021	4.969	2.497	-.0074	.0058	.0179
35	ICP1.0 960103F100	.0129	.0159	-.0019	.0273	.0053	.0041
36	ICP1.0 960103F100	.0009	-.0269	.0021	.0050	-.0001	-.0012
37	96-2849-BLANK	.5684	.0141	.0466	.0972	.0544	.0210
38	96-2849 @5	.1519	1.263	-.0024	-.0058	-.0071	-.0005
39	96-2849	.7660	6.392	.0470	.0882	.0445	.0186
40	96-2849 PS-A	.9122	5.901	1.321	.0243	.0219	.0215
41	MCVA @2	.5280	2.568	1.302	-.0324	-.0131	.0039
42	96-2849 PS-B	.4179	3.262	.1493	1.017	1.014	1.048
43	MCVB1 @2	.0215	.0459	.1127	.9798	1.011	1.050
44	96-2849 DUP	.7499	6.780	.0487	.0841	.0423	.0191
45	QC_MCVA 960130I901	1.015	5.013	2.502	-.0630	-.0177	.0080
46	ICP1.0960103F100	-.0063	-.0142	-.0070	-.0239	-.0137	-.0064
47	96-2851	.4150	6.269	.0571	.1017	.0510	.0211
48	96-2851 DUP	.5437	5.962	.0470	.0808	.0418	.0212
49	SRM 2709	1.932	.2616	.1157	.0679	.0389	.0243
50	QC_MCVA 960130I901	1.006	4.940	2.487	-.0403	-.0037	.0132
51	QC_MCVB1 960213I901	.0401	.0753	.2269	1.996	1.986	2.025
52	QC SSTA 951208I902	191.5	200.7	.9330	.9187	.2247	.2035
53	QC SSTMCV 951208I903	.7060	4.150	3.026	-.0008	.0017	-.0036
54	QC_SRM-1643d 108518	0.1295	.0270	.0181	.0019	-.0039	-.0022
55	QC CCV1 960126H901	2.078	4.832	2.009	-.0035	-.0018	-.0006
56	ICP1.0 960103F100	.0417	.0031	.0024	.0186	.0081	-.0000

#	Sample Name	Sb	Se	Si	Sn	Sr	Te
1	SPC-BLK 108447	3109	1732.33	4590.33	8256.67	176	12199.7
2	SPC-BLK 108447	-.0162	-.0040	-.0068	-.0284	.0000	-.0079
3	SPC-STD 960103I100	3187	1754	4708.67	8361	179	12939
4	SPC-STD 960103I100	.0139	.0094	.0238	-.0052	.0004	.0218
5	ICP1.0	.31253	.17333	.4605	.82756	.01766	1.23186
6	ICP1.1B					.84823	
7	ICP1.1A					8.20833	
8	ICP1.2						
9	ICP1.3						
10	ICP1.4	25.6869					
11	ICP1.5						
12	ICP1.6			71.8935			48.2139
13	ICP1.7		3.2822				
14	ICP1.8				7.76593		
15	ICP1.0 960103F100	.0083	.0068	2.514	.0282	.0002	.0078
16	QC_MCVA 960130I901	83.308	2.602	20.23	.2753	.5050	.0505
17	QC_MCVB 960213I901	.1369	.0683	21.75	2.097	.0026	2.058
18	QC SSTA 951208I902	.7943	1.547	4.473	3.609	.0199	.7544
19	QC SSTMCV 951208I903	2.742	2.644	4.434	.0826	.0016	.0158
20	ICP1.3 960215I901	.1460	.3589	.6281	.0785	.0009	.0268
21	ICP1.3 960213I101	.1598	.3592	.2509	.1334	.0009	.0379
22	ICP1.4 960216I101	101.1	.0855	.3707	-.0464	.0009	.0744
23	ICP1.4 960213I102	100.5	.1039	.2967	.0516	.0011	.1001

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#	Sample Name	Sb	Se	Si	Sn	Sr	Te
24	QC_SRM-1643d 108518	0.2265	0.0255	2.919	.0252	.2999	-.0012
25	QC CCV1 960126H901	.0506	2.035	4.991	.0763	1.981	.0336
26	ICP1.0 960103F100	.0173	.0076	.0820	.0186	.0028	.0064
27	IP-TEST B BLANK	.0123	.0365	20.51	-.0965	.6642	-.0149
28	IP-TEST B +NaJPO4	.0257	.0429	20.09	-.0131	.0024	.1919
29	96-2619	-.0008	-.0018	3.108	-.0262	.0018	-.0073
30	96-2619 RERUN	.0080	-.0025	3.078	-.0388	.0019	-.0083
31	96-2620 @5	.0571	.0564	2.972	.1028	.0040	.0287
32	96-2620 @50	-.0160	-.0130	.1785	-.0968	.0002	-.0167
33	96-2620 @2	.1654	.1373	13.68	.2311	.0093	.0796
34	QC_MCVA 960130I901	03.263	2.592	19.41	.2989	.5300	.0505
35	ICP1.0 960103F100	.0018	.0154	.1177	.0237	.0006	.0010
36	ICP1.0 960103F100	.0057	-.0028	-.0090	.0075	-.0001	-.0010
37	96-2849-BLANK	.0542	.0355	1.047	.1846	.0017	.0412
38	96-2849 @5	.0007	-.0021	.4198	-.0235	.0062	-.0038
39	96-2849	.0478	.0458	2.216	.1913	.0307	.0409
40	96-2849 PS-A	1.639	1.351	11.08	.2302	.2684	.0491
41	MCVA @2	1.702	1.346	9.969	.1116	.2602	.0194
42	96-2849 PS-B	.0954	.0506	13.59	1.154	.0170	1.073
43	MCVB1 @2	.0756	.0250	10.47	1.022	.0008	1.055
44	96-2849 DUP	.0476	.0594	3.752	.1894	.0024	.0402
45	QC_MCVA 960130I901	03.296	2.647	20.30	.2060	.5093	.0374
46	ICP1.0960103F100	-.0056	-.0117	.3323	-.0512	.0001	-.0145
47	96-2851	.0571	.0506	2.508	.1846	.0394	.0437
48	96-2851 DUP	.0444	.0483	2.746	.1658	.0376	.0370
49	SRM 2709	.0997	.1303	89.20	.2722	.0676	.0715
50	QC_MCVA 960130I901	03.259	2.618	19.30	.2142	.5032	.0376
51	QC_MCVB1 960213I901	.1447	.0645	15.88	2.041	.0021	2.037
52	QC SSTA 951208I902	.7751	1.512	9.102	3.486	.0195	.7200
53	QC SSTMCV 951208I903	2.664	2.623	5.722	.0118	.0015	.0082
54	QC_SRM-1643d 108518	0.0864	0.0100	4.018	-.0386	.2980	-.0033
55	QC CCV1 960126H901	.0187	2.028	5.464	.0268	1.977	.0287
56	ICP1.0 960103F100	.0078	-.0045	.2514	-.0122	.0014	.0033

#	Sample Name	Th	Ti	Tl	U	V	W
1	SPC-BLK 108447	2803	778.333	472.667	20310.3	1175.67	379.333
2	SPC-BLK 108447	-.0066	.0002	.0310	.0629	.0001	-.0090
3	SPC-STD 960103I100	2819.67	780	492	20373	1185.33	395.667
4	SPC-STD 960103I100	-.0029	.0008	.0608	.1291	.0017	.0181
5	ICP1.0	.28133	.07753	.04623	2.0302	.11736	.0391
6	ICP1.1B		1.47153				
7	ICP1.1A		13.9028				
8	ICP1.2						
9	ICP1.3	11.4444					
10	ICP1.4					11.5107	
11	ICP1.5				43.6382		
12	ICP1.6						
13	ICP1.7			1.28673			
14	ICP1.8						2.99629
15	ICP1.0 960103F100	-.0023	.0003	.0009	.1088	.0006	-.0106
16	QC_MCVA 960130I901	.0413	.9930	2.542	.1651	1.009	.0322
17	QC_MCVB 960213I901	03.091	.0028	.0200	24.34	.0002	1.949

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#	Sample Name	Th	Ti	Tl	U	V	W
18	QC SSTA 951208I902	-.3316	-.0009	.3451	205.8	.0428	.5536
19	QC SSTMCV 951208I903	-.0339	-.0007	.0045	20.64	.5169	.0090
20	ICP1.3 960215I901	49.37	-.0095	.2118	5.599	.0208	.0972
21	ICP1.3 960213I101	49.80	-.0096	.2165	5.815	.0216	.1088
22	ICP1.4 960216I101	.0521	.0037	.1300	.1880	20.22	-.0098
23	ICP1.4 960213I102	.0308	.0046	.1371	.5305	19.83	-.0029
24	QC_SRM-1643d 108518	-.0185	.0006	0.0147	.3255	0.0609	-.0118
25	QC CCV1 960126H901	.0069	.0004	1.572	.0515	.9798	.0031
26	ICP1.0 960103F100	-.0060	-.0001	.0075	-.0191	.0016	-.0121
27	IP-TEST B BLANK	-.0250	.0011	.0407	.8477	.0145	.0188
28	IP-TEST B +Na3P04	-.0039	-.0003	.0476	-.0704	.0127	.0025
29	96-2619	-.0040	.0002	-.0013	-.1241	-.0013	-.0090
30	96-2619 RERUN	-.0028	.0001	-.0040	-.0917	-.0013	.0001
31	96-2620 @5	-.0031	.0002	.0204	9.823	.0023	.0443
32	96-2620 @50	-.0023	-.0016	-.0017	.6127	-.0028	-.0086
33	96-2620 @2	-.0009	.0007	.0444	23.03	.0077	.1529
34	QC_MCVA 960130I901	.0368	.9819	2.492	.1778	.9938	.0294
35	ICP1.0 960103F100	-.0059	.0006	-.0004	.0953	.0004	-.0065
36	ICP1.0 960103F100	-.0005	-.0001	-.0046	.0137	.0002	-.0046
37	96-2849-BLANK	.0013	.0062	.0210	.6037	.0054	.0212
38	96-2849 @5	-.0003	.0009	-.0023	.0341	-.0002	-.0039
39	96-2849	-.0005	.0082	.0326	.8236	.0047	.0265
40	96-2849 PS-A	.0257	.5057	1.295	.5460	.5104	.0335
41	MCVA @2	.0216	.5102	1.287	-.0212	.5160	.0181
42	96-2849 PS-B	1.621	.0051	.0241	12.62	.0022	1.024
43	MCVB1 @2	1.632	.0002	.0027	12.36	-.0022	1.014
44	96-2849 DUP	-.0029	.0107	.0296	.8386	.0049	.0209
45	QC_MCVA 960130I901	.0479	.9959	2.522	-.0241	1.005	.0434
46	ICP1.0960103F100	.0025	-.0001	-.0042	-.1409	-.0007	.0020
47	96-2851	.0047	.0148	.0219	.9429	.0060	.0304
48	96-2851 DUP	.0087	.0166	.0304	.7551	.0054	.0169
49	SRM 2709	.0103	.9001	.0451	.5582	.0377	.0284
50	QC_MCVA 960130I901	.0543	.9856	2.502	.0496	.9962	.0411
51	QC_MCVB1 960213I901	03.605	.0020	.0067	24.24	-.0014	1.961
52	QC SSTA 951208I902	-.0907	-.0016	.3098	202.8	.0422	.5502
53	QC SSTMCV 951208I903	-.0043	-.0010	.0064	20.30	.5063	.0282
54	QC_SRM-1643d 108518	-.0089	.0004	0.0082	.2698	0.0343	.0045
55	QC CCV1 960126H901	.0053	-.0001	1.982	.0329	.9653	.0033
56	ICP1.0 960103F100	.0003	.0000	-.0035	.1138	.0005	.0130

#	Sample Name	Y	Zn	Zr
1	SPC-BLK 108447	295.333	404	945.333
2	SPC-BLK 108447	-.0004	-.0068	-.0002
3	SPC-STD 960103I100	296.667	143014	945.667
4	SPC-STD 960103I100	.0000	10.17	-.0005
5	ICP1.0	.02956	.04736	.09453
6	ICP1.1B		2.9375	2.58489
7	ICP1.1A		27.645	24.2594
8	ICP1.2			
9	ICP1.3			
10	ICP1.4	2.91223		
11	ICP1.5			

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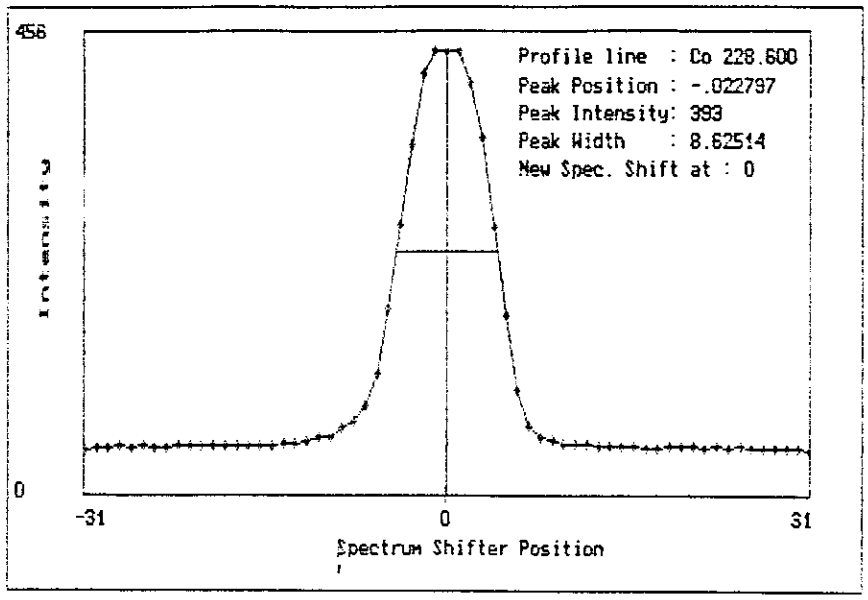
#	Sample Name	Y	Zn	Zr			
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						
15	ICP1.0 960103F100	.0007	-.0050	-.0007			
16	QC_MCVA 960130I901	.0018	1.004	1.986			
17	QC_MCVB 960213I901	.9251	.0004	-.0186			
18	QC SSTA 951208I902	.0200	.0936	.0646			
19	QC SSTMCV 951208I903	-.0001	-.0032	.5108			
20	ICP1.3 960215I901	-.0079	.0189	-.2732			
21	ICP1.3 960213I101	-.0081	.0196	-.2729			
22	ICP1.4 960216I101	10.04	-.0000	-.0001			
23	ICP1.4 960213I102	9.840	-.0007	.0020			
24	QC_SRM-1643d 108518	.0139	0.0700	-.0000			
25	QC CCV1 960126H901	.0032	1.005	-.0015			
26	ICP1.0 960103F100	.0007	-.0040	-.0016			
27	IP-TEST B BLANK	.0022	.0685	-.0025			
28	IP-TEST B +Na3PO4	-.0005	.1011	-.0026			
29	96-2619	-.0004	.1459	.0021			
30	96-2619 RERUN	-.0003	.1461	.0024			
31	96-2620 @5	-.0001	.0093	-.0008			
32	96-2620 @50	-.0012	-.0034	-.0038			
33	96-2620 @2	.0007	.0299	.0023			
34	QC_MCVA 960130I901	.0016	.9939	1.968			
35	ICP1.0 960103F100	.0003	-.0042	.0006			
36	ICP1.0 960103F100	.0000	-.0003	-.0007			
37	96-2849-BLANK	.0019	.0065	.0050			
38	96-2849 @5	-.0003	.0019	.0011			
39	96-2849	.0018	.0103	.0125			
40	96-2849 PS-A	.0015	.5266	1.003			
41	MCVA @2	.0002	.5332	1.020			
42	96-2849 PS-B	.4744	.0084	-.0080			
43	MCVB1 @2	.4798	.0024	-.0156			
44	96-2849 DUP	.0017	.0138	.0119			
45	QC_MCVA 960130I901	.0006	1.027	2.000			
46	ICP1.0960103F100	-.0007	.0008	-.0009			
47	96-2851	.0019	.0261	.0137			
48	96-2851 DUP	.0016	.0271	.0111			
49	SRM 2709	.0070	.0412	.0244			
50	QC_MCVA 960130I901	.0010	1.023	1.978			
51	QC_MCVB1 960213I901	.9251	.0049	-.0273			
52	QC SSTA 951208I902	.0200	.0979	.0467			
53	QC SSTMCV 951208I903	-.0001	.0009	.5027			
54	QC_SRM-1643d 108518	.0006	0.0757	-.0001			
55	QC CCV1 960126H901	-.0003	1.026	-.0012			
56	ICP1.0 960103F100	.0000	-.0002	-.0001			



AP 074
ICP-325-405-1
2/16/96 DHS

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Method: ICP1A Sample Name: SPC-BLK 108447 Operator: DRS
Run Time: 02/16/96 09:14:10
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	7987	2501	1925	1418	370	211	1778
SDev	13	3	30	16	1	0	13
%RSD	.1656	.1006	1.554	1.135	.1559	.0000	.7339
#1	7992	2504	1919	1413	370	211	1793
#2	7997	2501	1957	1405	371	211	1768
#3	7972	2499	1898	1436	370	211	1774

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1454	588	7594	1726	556	598	2320
SDev	3	3	30	2	2	3	1
%RSD	.2101	.5102	.3982	.0885	.2749	.4206	.0498
#1	1457	585	7617	1728	557	601	2319
#2	1455	588	7606	1726	556	598	2321
#3	1451	591	7560	1725	554	596	2319

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	411	696	2390	1194	467	2902	238
SDev	1	3	5	3	1	4	1
%RSD	.1404	.3618	.2092	.2216	.2141	.1378	.4202
#1	411	698	2395	1193	467	2906	237
#2	412	696	2390	1192	468	2898	239
#3	411	693	2385	1197	466	2902	238

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	977	491	4445	585	1525	16560	18030
SDev	3	5	10	2	18	94	15
%RSD	.2577	1.004	.2254	.3560	1.173	.5648	.0818
#1	974	486	4456	583	1521	16640	18040
#2	979	497	4441	587	1545	16580	18040
#3	977	489	4437	584	1510	16460	18010

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	18130	5199	3109	1732	4590	8257	176
SDev	17	39	6	15	3	35	0
%RSD	.0927	.7411	.1791	.8684	.0666	.4276	.0000
#1	18150	5233	3115	1715	4591	8262	176
#2	18130	5157	3108	1742	4587	8289	176
#3	18120	5206	3104	1740	4593	8219	176

Elem	Te	Th	Ti	Tl	U	V	W
Avge	12200	2803	775	473	20310	1176	379
SDev	65	5	1	1	33	2	6
%RSD	.5329	.1635	.1489	.1221	.1608	.1299	1.695
#1	12200	2808	776	473	20350	1176	384
#2	12260	2799	774	472	20290	1177	372
#3	12130	2802	776	473	20290	1174	382

Elem	Y	Zn	Zr
Avge	295	404	945
SDev	2	6	1
%RSD	.5172	1.506	.0611
#1	295	397	945
#2	297	407	946
#3	294	406	945

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Method: ICP1A Sample Name: SPC-BLK 108447 Operator: DRS
Run Time: 02/16/96 09:14:10
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	-.0008	-.0005	.0003	.0001	.0000	-.0241
SDev	.0005	.0012	.0135	.0019	.0001	.0000	.0056
%RSD	158.0	138.3	2524.	590.7	67.79	50.53	23.29
#1	.0003	.0000	-.0032	-.0003	.0001	.0000	-.0176
#2	.0007	-.0004	.0141	-.0012	.0002	.0000	-.0285
#3	-.0002	-.0022	-.0124	.0025	.0001	.0000	-.0259

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0051	-.0061	.0071	-.0019	-.0019	-.0102	.0008
SDev	.0008	.0004	.0070	.0001	.0002	.0012	.0002
%RSD	15.20	6.624	99.10	7.784	12.94	11.56	23.09
#1	-.0045	-.0064	.0122	-.0017	-.0017	-.0089	.0006
#2	-.0048	-.0062	.0100	-.0019	-.0018	-.0103	.0010
#3	-.0060	-.0056	-.0009	-.0020	-.0022	-.0113	.0007

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0062	.4357	.0003	-.0054	-.0132	-.0064
SDev	.0001	.0006	.1147	.0011	.0005	.0011	.0002
%RSD	66.06	10.18	26.32	393.3	9.091	8.684	2.680
#1	.0001	-.0057	.5503	-.0002	-.0054	-.0126	-.0066
#2	.0003	-.0061	.4357	-.0005	-.0049	-.0145	-.0062
#3	.0001	-.0069	.3210	.0013	-.0059	-.0124	-.0064

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0018	.0064	.0018	.0109	-.0091	.0276
SDev	.0004	.0278	.0037	.0007	.0142	.0074	.0022
%RSD	329.8	1515.	57.89	38.25	130.8	81.82	7.937
#1	-.0006	-.0206	.0105	.0012	.0072	-.0028	.0288
#2	.0003	.0301	.0051	.0025	.0265	-.0071	.0268
#3	-.0001	-.0150	.0035	.0016	-.0012	-.0173	.0250

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	-.0031	-.0162	-.0040	-.0068	-.0284	.0000
SDev	.0017	.0055	.0021	.0095	.0009	.0255	.0000
%RSD	39.18	174.3	13.21	239.0	12.71	89.88	1.127
#1	.0063	.0017	-.0139	-.0150	-.0075	-.0263	.0000
#2	.0042	-.0091	-.0166	.0022	-.0069	-.0040	.0000
#3	.0028	-.0020	-.0181	.0008	-.0059	-.0549	.0000

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0079	-.0066	.0002	.0310	.0629	.0002	-.0090
SDev	.0067	.0005	.0001	.0004	.0362	.0003	.0108

%RSD	85.27	8.235	84.13	1.317	57.55	171.1	119.7
#1	-.0078	-.0068	.0002	.0311	.1045	.0002	-.0012
#2	-.0012	-.0071	.0000	.0306	.0392	.0004	-.0213
#3	-.0147	-.0060	.0003	.0314	.0449	-.0001	-.0045

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0004	-.0068	-.0002
SDev	.0005	.0004	.0002
%RSD	133.6	6.424	91.97
#1	-.0005	-.0073	-.0003
#2	.0002	-.0065	.0000
#3	-.0008	-.0065	-.0003

Analysis Report Fri 02-16-96 09:18:17 AM page 1

Method: ICP1A Sample Name: SPC-STD 960103I100 Operator: DRS
Run Time: 02/16/96 09:17:00
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	8071	2536	1961	1465	370	211	2012
SDev	19	6	16	5	1	1	16
%RSD	.2315	.2276	.8417	.3077	.2703	.2741	.7928
#1	8091	2533	1947	1470	370	211	2004
#2	8068	2543	1979	1461	371	211	2030
#3	8054	2533	1956	1465	369	210	2001

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1879	631	7613	1741	563	20550	2518
SDev	2	24	24	2	11	85	2
%RSD	.1108	3.881	.3139	.0995	1.950	.4141	.0827
#1	1877	607	7618	1739	569	20460	2517
#2	1880	656	7634	1742	550	20550	2520
#3	1881	631	7587	1742	569	20630	2516

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	413	758	2395	1198	21240	2996	67380
SDev	0	2	3	5	131	10	242
%RSD	.0000	.2016	.1051	.4119	.6164	.3410	.3591
#1	413	759	2395	1201	21130	3000	67150
#2	413	758	2397	1200	21220	3003	67360
#3	413	756	2392	1192	21390	2984	67640

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	1011	502	4470	592	1702	141200	18060
SDev	7	4	11	6	10	284	19
%RSD	.6486	.7182	.2544	1.033	.5605	.2012	.1037
#1	1012	499	4473	593	1707	140900	18080
#2	1017	506	4479	585	1691	141200	18070
#3	1004	501	4457	597	1708	141400	18040

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	18180	5226	3187	1754	4709	8361	179
SDev	33	25	21	19	7	23	0
%RSD	.1819	.4704	.6708	1.100	.1382	.2802	.0000
#1	18220	5245	3194	1746	4702	8376	179
#2	18150	5234	3204	1740	4715	8373	179
#3	18170	5198	3163	1776	4709	8334	179

Elem	Te	Th	Ti	Tl	U	V	W
Avge	12940	2820	780	492	20370	1185	396
SDev	51	9	3	3	29	1	3
%RSD	.3917	.3198	.3392	.6098	.1446	.0487	.8124
#1	12930	2829	782	495	20340	1185	398
#2	12990	2819	781	489	20390	1185	397
#3	12890	2811	777	492	20390	1186	392

Elem	Y	Zn	Zr
Avge	297	143000	946
SDev	1	448	2
%RSD	.1946	.3131	.1615
#1	296	142700	947
#2	297	142900	946
#3	297	143500	944

Analysis Report Fri 02-16-96 09:19:44 AM page 1

Method: ICP1A Sample Name: SPC-STD 960103I100 Operator: DRS
Run Time: 02/16/96 09:17:00
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.0037	.0153	.0059	.0001	-.0000	-.0170
SDev	.0008	.0043	.0073	.0006	.0001	.0000	.0069
%RSD	24.35	117.0	47.88	9.568	192.9	144.5	40.63
#1	.0040	.0014	.0092	.0065	.0001	-.0000	-.0199
#2	.0030	.0066	.0234	.0054	.0002	-.0000	-.0091
#3	.0025	.0010	.0132	.0058	-.0001	-.0001	-.0220

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1190	-.0016	.0110	-.0004	-.0008	9.912	.0047
SDev	.0005	.0026	.0057	.0002	.0018	.042	.0003
%RSD	.3876	162.7	51.66	48.72	233.4	.4265	5.776
#1	.1185	-.0041	.0125	-.0005	.0003	9.868	.0047
#2	.1191	.0010	.0159	-.0003	-.0028	9.914	.0050
#3	.1194	-.0016	.0048	-.0002	.0007	9.953	.0044

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	-.0052	.5427	.0014	10.14	-.0199	10.27
SDev	.0000	.0005	.0577	.0020	.06	.0069	.04
%RSD	2.763	10.06	10.63	141.1	.6306	34.56	.3605
#1	.0005	-.0047	.5503	.0028	10.08	-.0156	10.23
#2	.0005	-.0051	.5962	.0023	10.12	-.0163	10.26
#3	.0005	-.0058	.4815	-.0009	10.21	-.0278	10.31

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0580	.0157	.0041	.0025	10.06	.0302
SDev	.0011	.0203	.0044	.0020	.0076	.02	.0023
%RSD	75.26	34.91	28.32	49.13	298.3	.2274	7.776
#1	.0016	.0411	.0172	.0045	.0069	10.03	.0319
#2	.0025	.0804	.0192	.0019	-.0062	10.06	.0311
#3	.0003	.0525	.0107	.0058	.0068	10.08	.0275

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0097	.0005	.0139	.0094	.0238	-.0052	.0004
SDev	.0041	.0036	.0083	.0122	.0013	.0168	.0000
%RSD	42.49	682.7	59.51	130.1	5.550	324.9	.1352
#1	.0142	.0034	.0165	.0043	.0225	.0060	.0004
#2	.0061	.0017	.0204	.0005	.0251	.0030	.0004
#3	.0088	-.0035	.0046	.0232	.0236	-.0245	.0004

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0218	-.0029	.0008	.0608	.1291	.0017	.0181
SDev	.0053	.0062	.0004	.0049	.0369	.0001	.0053

%RSD	24.20	211.3	50.44	8.008	28.56	5.263	29.40
#1	.0215	.0038	.0011	.0655	.0868	.0017	.0219
#2	.0272	-.0042	.0009	.0558	.1460	.0016	.0204
#3	.0167	-.0084	.0003	.0611	.1545	.0018	.0120

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0000	10.17	-.0005
SDev	.0002	.03	.0002
%RSD	2588.	.3141	37.23
#1	-.0002	10.15	-.0007
#2	.0001	10.16	-.0003
#3	.0001	10.21	-.0004

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Method: ICP1A Standard: ICP1.0

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.7978	.2500	.1924	.1419	.0371	.0211	.1778
SDev	.0034	.0002	.0008	.0018	.0001	.0001	.0007
%RSD	.4255	.0800	.4232	1.293	.1558	.2741	.4056
#1	.7984	.2502	.1915	.1433	.0371	.0211	.1786
#2	.7941	.2498	.1930	.1398	.0370	.0210	.1772
#3	.8008	.2500	.1928	.1425	.0371	.0211	.1776

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1454	.0593	.7601	.1730	.0540	.0612	.2319
SDev	.0002	.0036	.0016	.0003	.0015	.0001	.0006
%RSD	.1376	6.066	.2048	.1766	2.697	.0944	.2452
#1	.1454	.0581	.7617	.1727	.0557	.0612	.2321
#2	.1452	.0564	.7586	.1729	.0534	.0611	.2313
#3	.1456	.0633	.7599	.1733	.0530	.0612	.2324

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0412	.0697	.2395	.1196	.0475	.2891	.0261
SDev	.0001	.0003	.0006	.0001	.0002	.0011	.0001
%RSD	.2805	.3612	.2651	.0483	.4386	.3805	.5845
#1	.0411	.0697	.2399	.1195	.0474	.2902	.0260
#2	.0411	.0694	.2388	.1196	.0473	.2880	.0261
#3	.0413	.0699	.2399	.1196	.0477	.2891	.0260

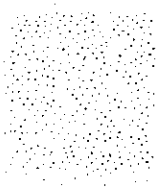
Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0975	.0492	.4449	.0585	.1537	1.668	1.805
SDev	.0003	.0001	.0019	.0008	.0009	.008	.006
%RSD	.2580	.2345	.4231	1.424	.5635	.4831	.3113
#1	.0973	.0491	.4461	.0594	.1542	1.663	1.807
#2	.0975	.0493	.4427	.0582	.1542	1.663	1.799
#3	.0978	.0493	.4458	.0578	.1527	1.677	1.810

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	1.816	.5207	.3125	.1733	.4605	.8276	.0177
SDev	.008	.0012	.0031	.0029	.0008	.0027	.0001
%RSD	.4489	.2226	.9988	1.665	.1724	.3314	.3268
#1	1.821	.5213	.3091	.1750	.4602	.8244	.0177
#2	1.806	.5194	.3133	.1700	.4599	.8291	.0176
#3	1.819	.5215	.3152	.1750	.4614	.8292	.0177

Elem	Te	Th	Ti	Tl	U	V	W
Avge	1.232	.2813	.0775	.0462	2.030	.1174	.0391
SDev	.005	.0001	.0001	.0004	.002	.0001	.0006
%RSD	.3697	.0205	.1489	.8741	.0765	.0492	1.424
#1	1.230	.2813	.0776	.0466	2.029	.1174	.0390
#2	1.229	.2814	.0774	.0458	2.032	.1173	.0397
#3	1.237	.2813	.0776	.0463	2.030	.1174	.0386

Elem	Y	Zn	Zr
Avge	.0296	.0474	.0945
SDev	.0001	.0001	.0003

%RSD	.1953	.2438	.3054
#1	.0296	.0473	.0947
#2	.0295	.0473	.0942
#3	.0296	.0475	.0947



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Method: ICP1A Standard: ICP1.1B

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	.7709	2.018	1.308	.4606	7.573	4.782	1.302
SDev	.0066	.012	.017	.0033	.052	.030	.011
%RSD	.8528	.6172	1.265	.7227	.6810	.6336	.8451
#1	.7636	2.004	1.289	.4568	7.515	4.748	1.289
#2	.7764	2.027	1.318	.4630	7.611	4.806	1.306
#3	.7726	2.024	1.317	.4620	7.595	4.792	1.310

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	.4969	.6841	7.974	.8482	1.472	2.938	2.585
SDev	.0034	.0037	.026	.0074	.011	.015	.021
%RSD	.6838	.5444	.3310	.8773	.7725	.5062	.8086
#1	.4931	.6798	7.946	.8401	1.459	2.921	2.561
#2	.4997	.6862	7.998	.8547	1.479	2.942	2.601
#3	.4978	.6863	7.979	.8499	1.477	2.950	2.593

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Method: ICP1A Standard: ICP1.1A

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mn
Avge	7.293	17.64	12.01	3.953	70.39	41.02	11.66
SDev	.023	.03	.02	.012	.17	.09	.03
%RSD	.3086	.1628	.1635	.3153	.2354	.2239	.2705
#1	7.273	17.62	11.99	3.941	70.27	40.93	11.63
#2	7.318	17.67	12.03	3.966	70.58	41.12	11.69
#3	7.290	17.64	12.00	3.953	70.33	41.00	11.65

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	4.467	5.972	61.26	8.208	13.90	27.64	24.26
SDev	.011	.017	.11	.026	.04	.09	.06
%RSD	.2441	.2836	.1871	.3180	.2681	.3197	.2564
#1	4.457	5.962	61.13	8.182	13.87	27.55	24.21
#2	4.479	5.992	61.36	8.234	13.94	27.72	24.33
#3	4.464	5.963	61.28	8.209	13.90	27.67	24.24

Standardization Rpt. Fri 02-16-96 09:35:21 AM page 1

Method: ICP1A Standard: ICP1.2

Elem	Al	B	Ca	Cd	K	Li	Na
Avge	61.87	41.80	84.51	9.268	2.410	10.34	6.484
SDev	.54	.39	.57	.064	.019	.13	.048
%RSD	.8652	.9340	.6772	.6861	.7848	1.264	.7338
#1	61.96	41.84	84.56	9.285	2.412	10.35	6.491
#2	62.36	42.16	85.05	9.322	2.428	10.46	6.528
#3	61.30	41.39	83.91	9.198	2.391	10.20	6.433

Elem	P
Avge	12.80
SDev	.08
%RSD	.6471
#1	12.83
#2	12.86
#3	12.70

Standardization Rpt. Fri 02-16-96 09:38:51 AM

Method: ICP1A Standard: ICP1.3

Elem	Dy	Eu	La	Nd	Ru	Th
Avge	40.65	9.984	5.321	13.89	35.60	11.44
SDev	.16	.039	.016	.05	.10	.04
%RSD	.3940	.3932	.2929	.3865	.2817	.3358
#1	40.64	9.969	5.312	13.87	35.55	11.43
#2	40.82	10.03	5.339	13.95	35.72	11.49
#3	40.50	9.954	5.312	13.85	35.53	11.42

Standardization Rpt. Fri 02-16-96 09:42:25 AM page 1

Method: ICP1A Standard: ICP1.4

Elem	As	Ce	Sb	V	Y
Avge	22.01	21.60	25.69	11.51	2.912
SDev	.05	.07	.06	.03	.008
%RSD	.2087	.3087	.2427	.2244	.2751
#1	21.98	21.58	25.67	11.50	2.911
#2	22.00	21.56	25.64	11.49	2.905
#3	22.07	21.68	25.76	11.54	2.921

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Method: ICP1A Standard: ICP1.5

Elem	U
Avge	43.64
SDev	.05
%RSD	.1042
#1	43.65
#2	43.59
#3	43.67

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Method: ICP1A Standard: ICP1.6

Elem	Be	Si	Te
Avge	1.720	71.88	48.21
SDev	.007	.15	.15
%RSD	.3862	.2150	.3136
#1	1.729	72.06	48.36
#2	1.716	71.76	48.06
#3	1.716	71.83	48.21

Standardization Rpt. Fri 02-Aug-96 04:50:57 PM Page 1

Method: ICP1A Standard: ICP1.7

Elem	Ag	Bi	Se	Tl
Avge	27.27	22.82	3.282	1.287
SDev	.20	.15	.024	.006
%RSD	.7437	.6445	.7258	.4735
#1	27.04	22.65	3.255	1.280
#2	27.36	22.86	3.294	1.290
#3	27.41	22.93	3.298	1.290

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Method: ICP1A Standard: ICP1.8

Elem	Pd	Rh	Sn	W
Avge	18.66	42.91	7.766	2.996
SDev	.10	.24	.037	.020
%RSD	.5183	.5665	.4797	.6763
#1	18.70	43.03	7.785	3.000
#2	18.73	43.07	7.790	3.014
#3	18.55	42.63	7.723	2.974

Standardization Report Fri 02-16-96 09:58:18 AM page :

Method: ICP1A Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	.377748	-.301354	02/16/96 09:56:24
Al	308.215	ICP1.2	ICP1.0	8.11365	-2.02841	02/16/96 09:56:24
As	193.600	ICP1.4	ICP1.0	4.58273	-.881871	02/16/96 09:56:24
B	249.600	ICP1.2	ICP1.0	1.20034	-.170289	02/16/96 09:56:24
Ba	493.400	Multiple	Standards	1.37043	-.050847	02/16/96 09:30:29
Be	313.042	ICP1.6	ICP1.0	.588628	-.012400	02/16/96 09:56:24
Bi	223.061	ICP1.7	ICP1.0	4.41623	-.785206	02/16/96 09:56:24
Ca	317.900	ICP1.2	ICP1.0	2.96345	-.430886	02/16/96 09:56:24
Cd	228.800	ICP1.2	ICP1.0	1.08589	-.064357	02/16/96 09:56:24
Ce	418.659	ICP1.4	ICP1.0	2.39869	-1.82317	02/16/96 09:56:24
Co	228.600	Multiple	Standards	1.11355	-.193099	02/16/96 09:30:29
Cr	205.500	Multiple	Standards	1.63340	-.088688	02/16/96 09:30:29
Cu	324.700	Multiple	Standards	5.07237	-.310492	02/16/96 09:30:29
Dy	353.170	ICP1.3	ICP1.0	1.23697	-.286896	02/16/96 09:56:24
Eu	381.900	ICP1.3	ICP1.0	2.01154	-.082808	02/16/96 09:56:24
Fe	259.900	Multiple	Standards	2.75226	-.197557	02/16/96 09:30:29
K	766.500	ICP1.2	ICP1.0	230.337	-55.1734	02/16/96 09:56:24
La	398.852	ICP1.3	ICP1.0	3.84495	-.459727	02/16/96 09:56:24
Li	670.700	ICP1.2	ICP1.0	4.85858	-.230621	02/16/96 09:56:24
Mg	279.078	Multiple	Standards	5.83894	-1.69903	02/16/96 09:30:29
Mn	257.600	ICP1.2	ICP1.0	1.54856	-.040469	02/16/96 09:56:24
Mo	202.000	Multiple	Standards	1.69480	-.165668	02/16/96 09:30:29
Na	588.900	Multiple	Standards	56.2201	-2.76939	02/16/96 09:30:29
Nd	406.106	ICP1.3	ICP1.0	3.71809	-1.65405	02/16/96 09:56:24
Ni	231.600	Multiple	Standards	3.28719	-.192696	02/16/96 09:30:29
P	214.900	ICP1.2	ICP1.0	7.90899	-1.21561	02/16/96 09:56:24
Pb	220.300	Multiple	Standards	.815405	-1.36096	02/16/96 09:30:29
Pd	360.959	ICP1.8	ICP1.0	2.96690	-5.35664	02/16/96 09:56:24
Rh	343.489	ICP1.8	ICP1.0	1.21661	-2.20687	02/16/96 09:56:24
Ru	240.271	ICP1.3	ICP1.0	1.42534	-.742223	02/16/96 09:56:24
Sb	206.838	ICP1.4	ICP1.0	3.94098	-1.23169	02/16/96 09:56:24
Se	196.026	ICP1.7	ICP1.0	6.43321	-1.11509	02/16/96 09:56:24
Si	288.100	ICP1.6	ICP1.0	2.80022	-1.28950	02/16/96 09:56:24
Sn	242.950	ICP1.8	ICP1.0	8.18414	-6.77292	02/16/96 09:56:24
Sr	421.500	Multiple	Standards	1.21243	-.021482	02/16/96 09:30:29
Te	214.275	ICP1.6	ICP1.0	1.06424	-1.31100	02/16/96 09:56:24
Th	283.730	ICP1.3	ICP1.0	4.47906	-1.26011	02/16/96 09:56:24
Ti	334.900	Multiple	Standards	1.44068	-.111775	02/16/96 09:30:29
Tl	190.864	ICP1.7	ICP1.0	16.1225	-.745398	02/16/96 09:56:24
U	378.280	ICP1.5	ICP1.0	12.0169	-24.3968	02/16/96 09:56:24
V	292.402	ICP1.4	ICP1.0	1.75541	-.206027	02/16/96 09:56:24
W	224.875	ICP1.9	ICP1.0	17.1428	-.670284	02/16/96 09:56:24
Y	371.030	ICP1.4	ICP1.0	7.46901	-.102567	02/16/96 09:56:24
Zn	213.800	Multiple	Standards	.708059	-.033952	02/16/96 09:30:29
Zr	339.100	Multiple	Standards	2.03812	-.193345	02/16/96 09:30:29

Standardization Report Fri 02-16-96 09:58:41 AM page 1

Method: ICP1A Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	2.64727	.301354	02/16/96 09:56:24
Al	308.215	ICP1.2	ICP1.0	.123249	2.02841	02/16/96 09:56:24
As	193.600	ICP1.4	ICP1.0	.218210	.881871	02/16/96 09:56:24
B	249.600	ICP1.2	ICP1.0	.833094	.170289	02/16/96 09:56:24
Ba	493.400	Multiple	Standards	.729698	.050847	02/16/96 09:30:29
Be	313.042	ICP1.6	ICP1.0	1.69887	.012400	02/16/96 09:56:24
Bi	223.061	ICP1.7	ICP1.0	.226437	.785206	02/16/96 09:56:24
Ca	317.900	ICP1.2	ICP1.0	.337444	.430886	02/16/96 09:56:24
Cd	228.800	ICP1.2	ICP1.0	.920900	.064357	02/16/96 09:56:24
Ce	418.659	ICP1.4	ICP1.0	.416894	1.82317	02/16/96 09:56:24
Co	228.600	Multiple	Standards	.898027	.193099	02/16/96 09:30:29
Cr	205.500	Multiple	Standards	.612222	.088688	02/16/96 09:30:29
Cu	324.700	Multiple	Standards	.197147	.310492	02/16/96 09:30:29
Dy	353.170	ICP1.3	ICP1.0	.808424	.286896	02/16/96 09:56:24
Eu	381.900	ICP1.3	ICP1.0	.497132	.082808	02/16/96 09:56:24
Fe	259.900	Multiple	Standards	.363338	.197557	02/16/96 09:30:29
K	766.500	ICP1.2	ICP1.0	.004341	55.1734	02/16/96 09:56:24
La	398.852	ICP1.3	ICP1.0	.260082	.459727	02/16/96 09:56:24
Li	670.700	ICP1.2	ICP1.0	.205821	.230621	02/16/96 09:56:24
Mg	279.078	Multiple	Standards	.171264	1.69903	02/16/96 09:30:29
Mn	257.600	ICP1.2	ICP1.0	.645763	.040469	02/16/96 09:56:24
Mo	202.000	Multiple	Standards	.590039	.165668	02/16/96 09:30:29
Na	588.900	Multiple	Standards	.017787	2.76939	02/16/96 09:30:29
Nd	406.106	ICP1.3	ICP1.0	.268955	1.65405	02/16/96 09:56:24
Ni	231.600	Multiple	Standards	.304211	.192696	02/16/96 09:30:29
P	214.900	ICP1.2	ICP1.0	.126438	1.21561	02/16/96 09:56:24
Pb	220.300	Multiple	Standards	1.22638	1.36096	02/16/96 09:30:29
Pd	360.959	ICP1.8	ICP1.0	.337052	5.35664	02/16/96 09:56:24
Rh	343.489	ICP1.8	ICP1.0	.821957	2.20887	02/16/96 09:56:24
Ru	240.271	ICP1.3	ICP1.0	.701589	.742223	02/16/96 09:56:24
Sb	206.838	ICP1.4	ICP1.0	.253744	1.23169	02/16/96 09:56:24
Se	196.026	ICP1.7	ICP1.0	.155443	1.11509	02/16/96 09:56:24
Si	288.100	ICP1.6	ICP1.0	.357115	1.28950	02/16/96 09:56:24
Sn	242.950	ICP1.8	ICP1.0	.122188	6.77292	02/16/96 09:56:24
Sr	421.500	Multiple	Standards	.824788	.021482	02/16/96 09:30:29
Te	214.275	ICP1.6	ICP1.0	.939641	1.31100	02/16/96 09:56:24
Th	283.730	ICP1.3	ICP1.0	.223261	1.26011	02/16/96 09:56:24
Ti	334.900	Multiple	Standards	.694118	.111775	02/16/96 09:30:29
Tl	190.864	ICP1.7	ICP1.0	.062025	.745398	02/16/96 09:56:24
U	378.280	ICP1.5	ICP1.0	.083216	24.3968	02/16/96 09:56:24
V	292.402	ICP1.4	ICP1.0	.569667	.206027	02/16/96 09:56:24
W	224.875	ICP1.8	ICP1.0	.058334	.670284	02/16/96 09:56:24
Y	371.030	ICP1.4	ICP1.0	.288267	.102567	02/16/96 09:56:24
Zn	213.800	Multiple	Standards	1.41231	.033952	02/16/96 09:30:29
Zr	339.100	Multiple	Standards	.490649	.193345	02/16/96 09:30:29

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Method: ICP1A

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	ICP1.0	.000000	-.000000	.000000
		ICP1.7	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al	308.215	ICP1.0	.000000	.000000	.000000
		ICP1.2	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As	193.600	ICP1.0	.000000	-.000000	.000000
		ICP1.4	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B	249.600	ICP1.0	.000000	-.000000	.000000
		ICP1.2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	ICP1.0	.000000	-.000050	.000050
		ICP1.1B	1.00000	1.00537	-.005371
		ICP1.1A	10.0000	9.94429	.055712
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	ICP1.0	.000000	.000000	-.000000
		ICP1.6	1.00000	1.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	ICP1.0	.000000	-.000000	.000000
		ICP1.7	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	ICP1.0	.000000	-.000000	.000000
		ICP1.2	250.000	250.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	ICP1.0	.000000	-.000000	.000000
		ICP1.2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	ICP1.0	.000000	.000000	-.000000
		ICP1.4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	ICP1.0	.000000	-.000491	.000491
		ICP1.1B	2.00000	2.05457	-.054569
		ICP1.1A	20.0000	19.4543	.545694
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	ICP1.0	.000000	-.000430	.000430
		ICP1.1B	2.00000	2.04779	-.047793
		ICP1.1A	20.0000	19.5221	.477930
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	ICP1.0	.000000	-.000233	.000233
		ICP1.1B	2.00000	2.02584	-.025841
		ICP1.1A	20.0000	19.7416	.258406
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	ICP1.0	.000000	-.000000	.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	ICP1.0	.000000	-.005817	.005817
		ICP1.1B	20.0000	20.6463	-.646286
		ICP1.1A	200.000	193.537	6.46286
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	ICP1.0	.000000	-.000001	.000001
		ICP1.2	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	ICP1.0	.000000	.000000	-.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	ICP1.0	.000000	.000000	-.000000
		ICP1.2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	ICP1.0	.000000	-.010993	.010993
		ICP1.1B	25.0000	26.2214	-1.22143
		ICP1.1A	250.000	237.786	12.2143
CorCoef:	0.99995				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	ICP1.0	.000000	.000000	-.000000
		ICP1.2	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	ICP1.0	.000000	-.000368	.000368
		ICP1.1B	2.00000	2.04085	-.040854
		ICP1.1A	20.0000	19.5915	.408545
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	ICP1.0	.000000	-.001481	.001481
		ICP1.1B	25.0000	25.1645	-.164528
		ICP1.1A	250.000	248.355	1.64528
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	ICP1.0	.000000	-.000505	.000505
		ICP1.1B	2.00000	2.05607	-.056072
		ICP1.1A	20.0000	19.4393	.560715
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	ICP1.0	.000000	-.000000	.000000
		ICP1.2	100.000	100.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	ICP1.0	.000000	-.001270	.001270
		ICP1.1B	5.00000	5.14116	-.141160
		ICP1.1A	50.0000	48.5884	1.41161
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ru	240.271	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb	206.838	ICP1.0	.000000	.000000	-.000000
		ICP1.4	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se	196.026	ICP1.0	.000000	-.000000	.000000
		ICP1.7	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si	288.100	ICP1.0	.000000	-.000000	.000000
		ICP1.6	200.000	200.000	.000015
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn	242.950	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	56.7845	-6.78455
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	ICP1.0	.000000	-.000062	.000062
		ICP1.1B	1.00000	1.00694	-.006943
		ICP1.1A	10.0000	9.93057	.069434
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te	214.275	ICP1.0	.000000	.000000	-.000000
		ICP1.6	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th	283.730	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti	334.900	ICP1.0	.000000	-.000074	.000074
		ICP1.1B	2.00000	2.00823	-.008229
		ICP1.1A	20.0000	19.9177	.082269
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl	190.864	ICP1.0	.000000	.000000	-.000000
		ICP1.7	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U	378.260	ICP1.0	.000000	.000000	-.000000
		ICP1.5	500.000	500.000	.000031
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	ICP1.0	.000000	-.000000	.000000
		ICP1.4	20.0000	20.0000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W	224.875	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	50.6947	-.694698

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	ICP1.0	.000000	.000000	-.000000
		ICP1.4	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	ICP1.0	.000000	-.000414	.000414
		ICP1.1B	2.00000	2.04597	-.045970
		ICP1.1A	20.0000	19.5403	.459698
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	ICP1.0	.000000	-.000675	.000675
		ICP1.1B	5.00000	5.07499	-.074935
		ICP1.1A	50.0000	49.2502	.749840
CorCoef:	1.00000				

Analysis Report Ignore -Na & P carry over RKS 2/16/96 Fri 02-16-96 11:05:40 AM page 1

Method: ICP1A Sample Name: 96-2619 Operator: DRS
Run Time: 02/16/96 11:04:22
Comment: FIELD BLANK.F (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.1412	.0050	1.759	.0024	.0000	.3300
SDev	.0005	.0087	.0098	.022	.0001	.0000	.0049
%RSD	2364.	6.165	195.0	1.263	3.337	1058.	1.478
#1	-.0005	.1399	.0011	1.778	.0023	-.0000	.3255
#2	-.0000	.1332	.0162	1.764	.0023	-.0000	.3294
#3	.0006	.1505	-.0022	1.735	.0025	.0000	.3352

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2289	.0006	-.0111	.0029	.1344	.0050	-.0029
SDev	.0014	.0026	.0111	.0007	.0010	.0007	.0011
%RSD	.5899	419.1	100.1	22.97	.7379	13.59	38.00
#1	.2302	.0032	-.0186	.0027	.1354	.0047	-.0041
#2	.2289	-.0021	-.0163	.0023	.1343	.0057	-.0027
#3	.2275	.0008	.0017	.0036	.1334	.0044	-.0020

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.1869	.0154	-.0032	.1177	.0893	.0031
SDev	.0002	.0014	.1885	.0014	.0005	.0055	.0002
%RSD	90.06	.7426	1228.	45.10	.4127	6.176	7.889
#1	-.0005	.1883	-.1919	-.0048	.1182	.0857	.0030
#2	-.0001	.1855	.0614	-.0029	.1173	.0865	.0030
#3	-.0001	.1867	.1766	-.0019	.1177	.0956	.0034

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0156	41.45	-.0048	.0367	4.164	-.0079	-.0125
SDev	.0006	.55	.0014	.0026	.057	.0017	.0192
%RSD	3.806	1.316	29.28	7.100	1.365	21.44	153.0
#1	.0150	42.00	-.0065	.0338	4.199	-.0093	-.0314
#2	.0155	41.44	-.0039	.0387	4.195	-.0084	-.0132
#3	.0162	40.91	-.0041	.0377	4.099	-.0060	.0070

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0094	-.0026	-.0008	-.0018	3.108	-.0262	.0018
SDev	.0050	.0029	.0052	.0092	.007	.0192	.0001
%RSD	53.51	110.2	615.8	511.6	.2406	73.17	3.805
#1	-.0151	-.0050	-.0006	.0083	3.103	-.0472	.0018
#2	-.0072	-.0035	.0042	-.0040	3.116	-.0219	.0018
#3	-.0058	.0006	-.0061	-.0092	3.103	-.0096	.0019

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0073	-.0040	.0002	-.0013	-.1241	-.0013	-.0090
SDev	.0042	.0034	.0004	.0077	.0704	.0007	.0043

%RSD	58.25	85.04	167.2	571.9	56.77	53.87	48.21
#1	-.0109	-.0018	-.0002	.0046	-.1680	-.0020	-.0083
#2	-.0082	-.0022	.0003	-.0101	-.1614	-.0013	-.0050
#3	-.0026	-.0079	.0006	.0014	-.0428	-.0006	-.0137

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0004	.1459	.0021
SDev	.0007	.0007	.0007
%RSD	183.5	.4743	34.19
#1	-.0011	.1464	.0018
#2	-.0001	.1451	.0016
#3	.0001	.1462	.0029

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Method: ICP1A Sample Name: 96-2619 RERUN Operator: DRS
Run Time: 02/16/96 11:13:50
Comment: FIELD BLANK.F (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.1463	.0040	1.751	.0027	.0000	.3278
SDev	.0008	.0052	.0005	.007	.0003	.0000	.0068
%RSD	204.4	3.546	12.20	.4045	11.76	139.0	2.070
#1	.0001	.1479	.0037	1.747	.0029	.0000	.3356
#2	.0000	.1505	.0046	1.747	.0029	.0000	.3232
#3	-.0013	.1405	.0038	1.759	.0023	-.0000	.3246

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2238	-.0003	-.0066	.0034	.1358	.0050	-.0023
SDev	.0008	.0001	.0044	.0011	.0016	.0008	.0006
%RSD	.3720	22.76	65.78	33.99	1.206	15.17	24.87
#1	.2228	-.0003	-.0025	.0034	.1370	.0055	-.0026
#2	.2241	-.0002	-.0061	.0045	.1339	.0055	-.0017
#3	.2244	-.0002	-.0112	.0022	.1364	.0042	-.0028

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.1874	.0077	-.0012	.1177	.0914	.0030
SDev	.0002	.0006	.0809	.0011	.0015	.0113	.0002
%RSD	135.2	.2955	1054.	89.62	1.238	12.33	5.664
#1	.0003	.1879	.0154	-.0000	.1192	.1017	.0029
#2	.0003	.1868	.0845	-.0015	.1163	.0931	.0032
#3	-.0001	.1874	-.0768	-.0021	.1177	.0793	.0029

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0157	40.81	-.0056	.0354	3.976	-.0022	-.0126
SDev	.0004	.36	.0086	.0018	.036	.0091	.0082
%RSD	2.814	.8869	152.9	5.161	.9105	407.4	65.16
#1	.0155	40.60	-.0010	.0351	3.956	-.0029	-.0065
#2	.0162	40.60	-.0003	.0374	3.954	-.0110	-.0093
#3	.0153	41.23	-.0155	.0338	4.018	.0072	-.0219

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0087	-.0016	.0080	-.0025	3.078	-.0788	.0019
SDev	.0070	.0017	.0092	.0081	.036	.0333	.0001
%RSD	80.97	106.9	101.5	319.3	1.169	55.65	3.673
#1	-.0074	-.0005	-.0010	.0005	3.048	-.0687	.0019
#2	-.0024	-.0007	.0148	.0036	3.067	-.0448	.0019
#3	-.0163	-.0035	.0104	-.0117	3.118	-.0030	.0018

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0083	-.0028	.0001	-.0040	-.0917	-.0[illegible]	[illegible]
SDev	.0114	.0043	.0003	.0072	.0442	.0010	.0029

%RSD	137.3	152.9	245.1	179.0	48.22	76.33	2236.
#1	.0005	-.0003	.0003	-.0088	-.0644	-.0011	-.0016
#2	-.0043	-.0077	.0002	-.0074	-.0680	-.0004	.0034
#3	-.0212	.0002	-.0002	.0042	-.1427	-.0024	-.0014

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0003	.1461	.0024
SDev	.0004	.0024	.0003
%RSD	136.7	1.639	21.05
#1	.0002	.1450	.0026
#2	-.0005	.1445	.0027
#3	-.0005	.1489	.0018

Analysis Report Fri 02-16-96 11:18:54 AM page 1

Method: ICP1A Sample Name: 96-2620 @5 Operator: DRS
Run Time: 02/16/96 11:17:35
Comment: HYD-FLUID.D @5X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.4803	.0426	.5716	-.0000	.0001	.0509
SDev	.0008	.0012	.0119	.0067	.0002	.0001	.0084
%RSD	78.01	.2543	27.87	1.168	5327.	43.96	16.54
#1	.0019	.4816	.0561	.5641	.0003	.0002	.0597
#2	.0003	.4792	.0340	.5770	-.0001	.0001	.0429
#3	.0008	.4802	.0375	.5736	-.0001	.0001	.0500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1213	.0019	-.0150	.0063	2.424	.0302	.0002
SDev	.0005	.0025	.0082	.0008	.030	.0010	.0015
%RSD	.3948	130.2	54.73	13.05	1.252	3.168	689.4
#1	.1218	.0040	-.0057	.0072	2.390	.0313	.0020
#2	.1209	-.0009	-.0213	.0056	2.449	.0296	-.0004
#3	.1211	.0028	-.0182	.0059	2.432	.0297	-.0009

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.0059	10.36	-.0004	322.0	-.0387	-.0030
SDev	.0004	.0001	.12	.0025	3.9	.0086	.0002
%RSD	9.547	1.430	1.112	591.6	1.211	22.18	5.558
#1	.0043	.0060	10.47	.0021	317.5	-.0294	-.0030
#2	.0039	.0058	10.24	-.0004	324.2	-.0405	-.0032
#3	.0035	.0059	10.36	-.0030	324.4	-.0464	-.0029

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5937	1142.	-.0089	.0349	33.21	.0054	.0670
SDev	.0063	13.	.0090	.0019	.26	.0046	.0217
%RSD	1.070	1.166	101.5	5.359	.7868	84.71	32.44
#1	.5866	1127.	.0004	.0354	32.91	.0074	.0920
#2	.5989	1151.	-.0093	.0364	33.40	.0002	.0525
#3	.5956	1149.	-.0177	.0328	33.30	.0087	.0565

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0583	.0673	.0571	.0564	2.972	.1028	.0040
SDev	.0094	.0015	.0120	.0132	.190	.0355	.0000
%RSD	16.17	2.183	20.96	23.36	6.404	34.48	.0276
#1	.0670	.0689	.0634	.0672	2.768	.1413	.0040
#2	.0596	.0660	.0647	.0602	3.002	.0715	.0040
#3	.0483	.0669	.0433	.0417	3.145	.0956	.0040

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0287	-.0031	.0002	.0204	9.823	.0023	.0443
SDev	.0096	.0043	.0006	.0068	.048	.0009	.0103

%RSD	33.50	140.0	376.4	33.40	.4899	39.24	23.17
#1	.0398	.0011	.0008	.0146	9.776	.0033	.0452
#2	.0227	-.0075	-.0004	.0187	9.872	.0018	.0540
#3	.0236	-.0029	.0001	.0279	9.820	.0017	.0336

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0001	.0093	-.0008
SDev	.0005	.0010	.0008
%RSD	636.0	10.42	105.1
#1	.0005	.0099	-.0001
#2	-.0006	.0099	-.0005
#3	-.0002	.0082	-.0016

Analysis Report Fri 02-16-96 11:24:12 AM page 1

Method: ICP1A Sample Name: 96-2620 @50 Operator: DRS
Run Time: 02/16/96 11:22:53
Comment: HYD-FLUID.D @50X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0033	.0400	.0059	.0695	-.0008	-.0000	.0049
SDev	.0010	.0015	.0095	.0005	.0002	.0000	.0031
%RSD	29.29	3.828	159.3	.7586	28.71	35.15	62.82
#1	-.0030	.0417	.0124	.0693	-.0007	-.0000	.0018
#2	-.0043	.0392	.0103	.0692	-.0011	-.0000	.0080
#3	-.0025	.0390	-.0049	.0701	-.0007	-.0000	.0050

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	-.0017	-.0330	-.0022	.2505	-.0033	-.0046
SDev	.0011	.0005	.0043	.0008	.0040	.0001	.0009
%RSD	17.53	31.03	12.97	35.07	1.601	2.664	19.39
#1	.0076	-.0014	-.0281	-.0013	.2483	-.0032	-.0045
#2	.0053	-.0023	-.0345	-.0024	.2551	-.0034	-.0056
#3	.0067	-.0013	-.0363	-.0027	.2481	-.0032	-.0038

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0082	-.0998	-.0051	34.65	-.0225	-.0040
SDev	.0002	.0004	.2047	.0009	.23	.0034	.0002
%RSD	38.26	5.197	205.1	17.97	.6522	15.23	4.015
#1	-.0003	-.0077	.0614	-.0046	34.52	-.0200	-.0042
#2	-.0006	-.0083	-.3301	-.0062	34.91	-.0264	-.0039
#3	-.0005	-.0085	-.0307	-.0046	34.52	-.0211	-.0038

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0593	122.8	-.0252	.0137	3.331	-.0240	-.0529
SDev	.0015	.7	.0087	.0023	.012	.0040	.0134
%RSD	2.559	.6023	34.51	16.73	.3628	16.60	25.39
#1	.0608	122.4	-.0182	.0164	3.319	-.0194	-.0421
#2	.0578	123.6	-.0350	.0128	3.341	-.0266	-.0679
#3	.0593	122.3	-.0226	.0121	3.333	-.0260	-.0486

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0262	-.0034	-.0160	-.0130	.1788	-.0968	.0002
SDev	.0069	.0051	.0115	.0036	.0003	.0400	.0001
%RSD	26.44	147.6	72.00	27.55	.1393	41.34	37.68
#1	-.0191	-.0023	-.0165	-.0149	.1789	-.0896	.0002
#2	-.0330	-.0090	-.0272	-.0089	.1789	-.1400	.0001
#3	-.0266	.0010	-.0042	-.0153	.1785	-.0610	.0002

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0167	-.0023	-.0016	-.0017	.6127	-.0028	-.0086
SDev	.0035	.0018	.0006	.0032	.0790	.0002	.0069

%RSD	21.31	77.31	40.99	191.1	12.89	5.558	79.68
#1	-.0138	-.0042	-.0011	-.0053	.6583	-.0026	-.0013
#2	-.0155	-.0022	-.0023	.0002	.5215	-.0030	-.0096
#3	-.0206	-.0006	-.0013	.0002	.6583	-.0028	-.0149

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0012	-.0034	-.0038
SDev	.0005	.0003	.0009
%RSD	45.34	8.325	25.11
#1	-.0009	-.0035	-.0034
#2	-.0018	-.0031	-.0049
#3	-.0009	-.0037	-.0031

Analysis Report Fri 02-16-96 11:28:08 AM page 1

Method: ICP1A Sample Name: 96-2620 @2 Operator: DRS
Run Time: 02/16/96 11:26:49
Comment: HYD-FLUID.D @2X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	1.105	.1210	1.290	.0006	.0003	.1194
SDev	.0006	.007	.0181	.013	.0001	.0000	.0062
%RSD	13.19	.6025	14.96	1.044	13.42	2.989	5.215
#1	.0037	1.103	.1359	1.304	.0007	.0003	.1253
#2	.0043	1.113	.1009	1.289	.0005	.0003	.1128
#3	.0048	1.100	.1263	1.277	.0005	.0003	.1200

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2821	.0064	-.0102	.0148	5.629	.0812	.0048
SDev	.0012	.0019	.0050	.0007	.038	.0014	.0008
%RSD	.4168	28.93	49.09	4.451	.6810	1.719	17.38
#1	.2830	.0045	-.0150	.0151	5.642	.0813	.0042
#2	.2824	.0066	-.0108	.0140	5.659	.0826	.0046
#3	.2807	.0082	-.0050	.0152	5.586	.0798	.0058

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	.0223	25.68	.0021	682.8	-.0867	-.0020
SDev	.0001	.0007	.14	.0002	2.6	.0089	.0003
%RSD	1.317	3.289	.5340	10.42	.3874	10.30	16.22
#1	.0089	.0214	25.88	.0018	684.9	-.0955	-.0020
#2	.0091	.0228	25.74	.0021	683.7	-.0776	-.0017
#3	.0091	.0226	26.02	.0023	679.9	-.0869	-.0023

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.380	2511.	-.0051	.0612	78.75	.0409	.1889
SDev	.006	8.	.0011	.0013	.19	.0071	.0074
%RSD	.4373	.3351	20.71	2.036	.2444	17.35	3.895
#1	1.378	2517.	-.0039	.0597	78.85	.0332	.1905
#2	1.387	2514.	-.0057	.0620	78.88	.0424	.1809
#3	1.376	2501.	-.0056	.0617	78.53	.0471	.1954

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1647	.1602	.1654	.1373	13.68	.2311	.0093
SDev	.0069	.0029	.0020	.0128	.63	.0066	.0001
%RSD	4.180	1.789	1.198	9.326	4.604	2.876	.7542
#1	.1586	.1570	.1642	.1289	12.99	.2241	.0093
#2	.1632	.1611	.1677	.1520	13.82	.2319	.0093
#3	.1722	.1624	.1644	.1309	14.22	.2374	.0092

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0796	-.0009	.0007	.0444	23.03	.0077	.1529
SDev	.0120	.0092	.0004	.0120	.08	.0006	.0087

%RSD	15.00	1072.	52.93	27.05	.3640	7.832	5.686
#1	.0931	-.0095	.0003	.0385	23.09	.0070	.1519
#2	.0752	.0089	.0007	.0365	22.93	.0080	.1621
#3	.0705	-.0020	.0011	.0582	23.06	.0081	.1448

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0007	.0299	.0023
SDev	.0001	.0006	.0008
%RSD	7.373	1.856	34.34
#1	.0006	.0305	.0029
#2	.0007	.0297	.0014
#3	.0006	.0294	.0027

Analysis Report QC Standard Fri 02-16-96 11:36:07 AM page 1

Method: ICP1A Sample Name: QC_MCVA 960130I901 Operator: DRS
Run Time: 02/16/96 11:34:48
Comment: (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass* DRS 2/16/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5015	9.988	2.615	2.084	.4919	.1000	24.29
SDev	.0013	.042	.027	.009	.0019	.0004	.10
%RSD	.2581	.4171	1.031	.4374	.3963	.3874	.4158
#1	.5007	9.940	2.586	2.074	.4897	.0996	24.17
#2	.5030	10.02	2.639	2.092	.4932	.1003	24.34
#3	.5007	10.00	2.620	2.085	.4928	.1001	24.35
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.26	.4964	.0214	1.002	1.007	.9368	.0000
SDev	.09	.0038	.0019	.004	.007	.0016	.0002
%RSD	.3758	.7617	9.131	.4255	.7076	.1704	1581.
#1	25.15	.4922	.0221	.9977	1.002	.9350	-.0000
#2	25.33	.4972	.0192	1.006	1.015	.9379	-.0002
#3	25.29	.4997	.0229	1.003	1.003	.9376	.0002
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	20.14	24.01	.0045	2.085	32.46	.5122
SDev	.0001	.08	.16	.0004	.019	.13	.0017
%RSD	5.125	.4164	.6739	9.270	.8935	.4114	.3385
#1	.0022	20.05	23.86	.0049	2.083	32.31	.5102
#2	.0025	20.21	24.18	.0041	2.105	32.58	.5135
#3	.0024	20.17	23.99	.0045	2.068	32.48	.5129
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.003	36.85	.0110	1.021	4.969	2.497	-.0074
SDev	.003	.12	.0056	.010	.048	.016	.0087
%RSD	.2764	.3312	51.18	.9337	.9751	.6319	118.7
#1	.9999	36.71	.0127	1.010	4.925	2.479	-.0121
#2	1.005	36.93	.0047	1.026	4.962	2.508	.0027
#3	1.003	36.91	.0156	1.028	5.021	2.503	-.0128
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0058	.0179	03.263	2.592	19.41	.2989	.5000
SDev	.0045	.0026	.047	.010	.07	.0153	.0022
%RSD	77.90	14.72	1.427	.3879	.3499	5.109	.4311
#1	.0009	.0190	03.213	2.598	19.33	.2814	.4976
#2	.0099	.0198	03.306	2.599	19.45	.3055	.5017
#3	.0066	.0149	03.269	2.581	19.44	.3097	.5007
Errors	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0505	.0368	.9819	2.492	.1778	.9938	.0294
SDev	.0044	.0062	.0041	.015	.0364	.0036	.0026
%RSD	8.802	16.72	.4206	.5844	20.46	.3595	8.824
#1	.0538	.0425	.9777	2.501	.2173	.9899	.0273
#2	.0522	.0303	.9859	2.499	.1706	.9970	.0287
#3	.0455	.0377	.9821	2.475	.1456	.9945	.0323
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0016	.9939	1.968
SDev	.0002	.0066	.008
%RSD	11.36	.6636	.3928
#1	.0018	.9880	1.960
#2	.0015	1.001	1.975
#3	.0015	.9927	1.970
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report Fri 02-16-96 11:40:00 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/16/96 11:38:41
Comment: HYD-FLUID.D @2X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	.0244	.0098	.0110	.0005	.0001	.0486
SDev	.0003	.0025	.0064	.0005	.0002	.0000	.0036
%RSD	8.457	10.39	64.99	4.860	31.77	22.53	7.420
#1	.0027	.0240	.0036	.0105	.0007	.0002	.0495
#2	.0030	.0271	.0164	.0109	.0004	.0001	.0517
#3	.0032	.0221	.0094	.0116	.0004	.0001	.0446

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0232	-.0012	-.0004	.0018	.0029	-.0017	-.0002
SDev	.0014	.0003	.0007	.0008	.0011	.0009	.0002
%RSD	6.263	25.85	155.9	46.25	38.80	52.68	121.0
#1	.0235	-.0014	-.0009	.0013	.0025	-.0023	-.0004
#2	.0216	-.0012	.0003	.0028	.0042	-.0019	.0001
#3	.0245	-.0009	-.0008	.0014	.0021	-.0007	-.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0093	-.1996	.0029	.0304	.0168	-.0031
SDev	.0001	.0017	.1064	.0010	.0018	.0022	.0002
%RSD	21.13	18.11	53.29	35.91	6.041	12.97	5.675
#1	.0006	.0112	-.2611	.0019	.0313	.0175	-.0029
#2	.0005	.0081	-.0768	.0029	.0283	.0143	-.0032
#3	.0004	.0085	-.2611	.0039	.0317	.0185	-.0032

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.1671	.0066	.0129	.0159	-.0019	.0273
SDev	.0009	.0227	.0032	.0002	.0128	.0002	.0095
%RSD	42.79	13.59	47.79	1.482	80.69	10.84	34.83
#1	.0024	.1540	.0093	.0131	.0266	-.0017	.0252
#2	.0028	.1540	.0031	.0127	.0017	-.0021	.0376
#3	.0011	.1933	.0074	.0128	.0193	-.0021	.0189

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	.0041	.0018	.0154	.1177	.0237	.0006
SDev	.0025	.0009	.0067	.0038	.0045	.0322	.0000
%RSD	46.69	21.54	367.2	24.41	3.848	135.8	.0659
#1	.0043	.0035	-.0015	.0190	.1226	.0211	.0006
#2	.0081	.0038	.0095	.0158	.1137	-.0071	.0006
#3	.0035	.0051	-.0026	.0115	.1167	.0570	.0006

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	-.0059	.0006	-.0004	.0953	.0004	-.0065
SDev	.0068	.0024	.0003	.0075	.0564	.0003	.0112

%RSD	388.7	40.04	42.24	1733.	59.17	70.16	171.7
#1	.0056	-.0085	.0005	-.0042	.1011	.0008	.0050
#2	-.0061	-.0055	.0009	-.0053	.1485	.0002	-.0071
#3	.0058	-.0038	.0004	.0083	.0362	.0004	-.0173

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0003	-.0042	.0006
SDev	.0002	.0003	.0004
%RSD	78.22	6.964	68.29
#1	.0004	-.0045	.0004
#2	.0000	-.0039	.0004
#3	.0004	-.0043	.0011

Analysis Report Fri 02-16-96 11:45:06 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/16/96 11:43:47
Comment: HYD-FLUID.D @2X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0017	.0092	-.0026	-.0002	-.0000	-.0230
SDev	.0008	.0027	.0063	.0022	.0002	.0000	.0009
%RSD	290.1	159.9	68.17	82.70	112.4	160.7	3.961
#1	-.0009	-.0010	.0025	-.0045	-.0004	-.0000	-.0233
#2	-.0006	.0006	.0101	-.0031	.0000	-.0000	-.0219
#3	.0006	-.0047	.0150	-.0003	-.0002	.0000	-.0237

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0029	.0013	.0010	-.0018	-.0011	.0002	.0001
SDev	.0006	.0018	.0040	.0006	.0017	.0012	.0006
%RSD	20.00	134.2	388.4	35.93	154.6	488.1	540.2
#1	-.0036	-.0005	.0024	-.0025	-.0014	.0005	-.0006
#2	-.0026	.0031	.0041	-.0013	-.0025	.0013	.0007
#3	-.0026	.0013	-.0035	-.0016	.0007	-.0011	.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0075	-.0691	-.0007	-.0042	-.0123	-.0000
SDev	.0002	.0004	.0579	.0012	.0013	.0061	.0002
%RSD	388.9	5.737	83.89	182.8	30.53	49.48	9192.
#1	-.0002	-.0079	-.1228	-.0021	-.0032	-.0099	-.0001
#2	.0002	-.0074	-.0077	.0001	-.0057	-.0077	-.0001
#3	-.0002	-.0071	-.0767	-.0001	-.0037	-.0191	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0293	-.0028	.0009	-.0269	.0021	.0050
SDev	.0008	.0113	.0018	.0013	.0041	.0074	.0046
%RSD	831.7	38.53	64.19	154.0	15.25	351.4	92.62
#1	-.0008	-.0180	-.0039	-.0003	-.0276	.0024	.0022
#2	.0003	-.0406	-.0007	.0023	-.0306	.0094	.0103
#3	.0008	-.0293	-.0038	.0006	-.0225	-.0054	.0024

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0012	.0057	-.0028	-.0090	.0075	-.0001
SDev	.0055	.0021	.0088	.0094	.0016	.0100	.0000
%RSD	3506.	172.5	155.1	339.6	17.95	134.0	.3599
#1	-.0064	-.0034	.0084	.0002	-.0077	-.0034	-.0001
#2	.0023	-.0011	-.0042	-.0133	-.0085	.0095	-.0001
#3	.0037	.0008	.0128	.0048	-.0108	.0164	-.0001

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0005	-.0001	-.0046	.0137	.0002	-.0046
SDev	.0059	.0090	.0001	.0051	.0294	.0003	.0056

%RSD	586.4	1639.	97.24	110.3	213.8	174.7	123.2
#1	.0044	-.0065	-.0003	-.0092	.0073	-.0002	.0019
#2	-.0001	.0098	-.0000	.0009	.0458	.0003	-.0086
#3	-.0072	-.0050	-.0001	-.0056	-.0119	.0004	-.0069

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0000	-.0003	-.0007
SDev	.0002	.0001	.0005
%RSD	2710.	22.71	66.63
#1	.0001	-.0004	-.0007
#2	.0001	-.0003	-.0012
#3	-.0002	-.0003	-.0002

Analysis Report Fri 02-16-96 11:47:37 AM page 1

Method: ICP1A Sample Name: 96-2849-BLANK Operator: DRS
Run Time: 02/16/96 11:46:18
Comment: KOH-KNO3 PROCESS BLANK (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0071	.3415	.0580	.0221	.0025	.0002	.0017
SDev	.0009	.0008	.0117	.0004	.0003	.0000	.0031
%RSD	12.16	.2260	20.15	2.029	12.85	12.74	185.4
#1	.0063	.3416	.0599	.0220	.0021	.0002	.0048
#2	.0069	.3407	.0455	.0225	.0026	.0002	-.0014
#3	.0080	.3423	.0687	.0216	.0026	.0002	.0017

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1460	.0048	.0416	.0113	.0074	.0147	.0062
SDev	.0010	.0026	.0102	.0009	.0022	.0019	.0005
%RSD	.6964	55.45	24.44	7.797	29.82	13.14	7.369
#1	.1451	.0064	.0299	.0105	.0092	.0125	.0057
#2	.1471	.0062	.0470	.0123	.0080	.0157	.0063
#3	.1459	.0017	.0480	.0111	.0049	.0159	.0065

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0227	2375.	.0097	-.0036	.0310	.0960
SDev	.0003	.0009	18.	.0029	.0015	.0082	.0009
%RSD	14.93	3.534	.7456	30.12	41.66	26.57	.9302
#1	.0017	.0218	2396.	.0063	-.0052	.0257	.0966
#2	.0023	.0230	2365.	.0115	-.0023	.0268	.0965
#3	.0021	.0234	2365.	.0112	-.0032	.0405	.0950

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0087	.9392	.0398	.5684	.0141	.0466	.0972
SDev	.0009	.0313	.0020	.0055	.0234	.0066	.0234
%RSD	10.90	3.330	5.031	.9629	165.8	14.08	24.10
#1	.0078	.9055	.0376	.5741	-.0098	.0391	.0730
#2	.0085	.9673	.0406	.5632	.0152	.0490	.1198
#3	.0097	.9447	.0413	.5678	.0369	.0515	.0989

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0544	.0210	.0542	.0355	1.047	.1846	.0017
SDev	.0087	.0053	.0020	.0144	.003	.0228	.0001
%RSD	15.92	25.46	3.766	40.47	.2500	12.38	4.075
#1	.0445	.0149	.0536	.0190	1.048	.1593	.0016
#2	.0581	.0232	.0524	.0453	1.044	.1906	.0018
#3	.0607	.0248	.0564	.0422	1.049	.2037	.0018

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0412	.0013	.0062	.0210	.6037	.0054	.0212
SDev	.0024	.0051	.0003	.0073	.0688	.0008	.0047

%RSD	5.737	402.1	4.921	34.86	11.40	15.06	22.16
#1	.0416	-.0037	.0059	.0139	.5382	.0044	.0265
#2	.0386	.0010	.0065	.0285	.6753	.0058	.0194
#3	.0433	.0065	.0063	.0206	.5974	.0059	.0176

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0019	.0065	.0050
SDev	.0004	.0005	.0002
%RSD	18.89	7.976	3.519
#1	.0015	.0060	.0051
#2	.0021	.0070	.0052
#3	.0021	.0065	.0048

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Method: ICP1A Sample Name: 96-2849 @5 Operator: DRS
Run Time: 02/16/96 11:50:06
Comment: 118.2AH.F @5X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.8312	.0052	.0001	.0009	-.0001	.9671
SDev	.0004	.0036	.0016	.0009	.0001	.0000	.0279
%RSD	87.30	.4355	30.07	926.2	15.85	4.613	2.884
#1	-.0004	.8273	.0038	.0011	.0007	-.0001	.9455
#2	-.0009	.8317	.0049	-.0005	.0009	-.0001	.9986
#3	-.0001	.8345	.0069	-.0003	.0010	-.0001	.9571

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0177	.0012	.0046	.0004	.0753	.0018	-.0005
SDev	.0002	.0012	.0036	.0008	.0023	.0009	.0011
%RSD	1.307	100.8	78.96	181.5	3.075	48.65	227.4
#1	.0179	-.0002	.0083	.0009	.0779	.0016	.0008
#2	.0175	.0021	.0011	-.0005	.0745	.0027	-.0012
#3	.0176	.0016	.0044	.0008	.0735	.0010	-.0011

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.4177	501.3	-.0011	-.0083	-.0069	.0168
SDev	.0002	.0029	3.2	.0012	.0023	.0093	.0002
%RSD	337.1	.7020	.6362	105.0	27.80	134.3	.9675
#1	.0002	.4146	498.1	-.0002	-.0057	.0018	.0166
#2	-.0002	.4204	504.5	-.0025	-.0091	-.0134	.0169
#3	.0002	.4182	501.2	-.0007	-.0100	-.0151	.0168

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	5.087	.0006	.1519	1.263	-.0024	-.0058
SDev	.0011	.046	.0039	.0054	.024	.0051	.0080
%RSD	45.11	.8955	695.8	3.559	1.895	215.9	136.8
#1	.0036	5.080	.0030	.1566	1.286	.0025	.0027
#2	.0016	5.136	-.0039	.1533	1.264	-.0077	-.0070
#3	.0020	5.046	.0026	.1460	1.238	-.0019	-.0132

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0071	-.0005	.0007	-.0021	.4198	-.0235	.0062
SDev	.0055	.0024	.0181	.0105	.0025	.0481	.0001
%RSD	77.00	523.1	2525.	502.1	.6040	204.5	1.121
#1	-.0011	-.0024	.0188	-.0133	.4227	.0097	.0062
#2	-.0085	-.0011	-.0174	-.0003	.4190	-.0787	.0061
#3	-.0119	.0022	.0007	.0074	.4178	-.0015	.0062

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0038	-.0003	.0009	-.0023	.0341	-.0002	-.0039
SDev	.0030	.0095	.0001	.0060	.0187	.0001	.0064

%RSD	77.64	2522.	16.57	263.2	54.80	62.50	165.2
#1	-.0073	.0056	.0010	-.0075	.0355	-.0001	.0035
#2	-.0019	-.0101	.0007	-.0037	.0148	-.0003	-.0067
#3	-.0023	.0035	.0010	.0043	.0521	-.0002	-.0084

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0003	.0019	.0011
SDev	.0000	.0004	.0003
%RSD	6.610	21.64	27.92
#1	-.0003	.0022	.0008
#2	-.0002	.0014	.0014
#3	-.0003	.0020	.0011

Method: ICP1A Sample Name: 96-2849 Operator: DRS
Run Time: 02/16/96 11:53:54
Comment: 118.2AH.F (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0051	4.062	.0590	.0195	.0057	.0002	4.782
SDev	.0006	.012	.0054	.0015	.0001	.0000	.010
%RSD	11.19	.3061	9.201	7.968	2.421	2.172	.2076
#1	.0046	4.047	.0641	.0196	.0058	.0002	4.772
#2	.0049	4.070	.0596	.0209	.0055	.0002	4.782
#3	.0057	4.068	.0533	.0178	.0057	.0002	4.792

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1340	.0044	.0605	.0107	.3823	.0125	.0055
SDev	.0024	.0033	.0035	.0002	.0031	.0003	.0005
%RSD	1.792	74.70	5.804	2.172	.8012	2.104	9.206
#1	.1323	.0007	.0566	.0105	.3789	.0123	.0056
#2	.1330	.0069	.0618	.0106	.3848	.0128	.0050
#3	.1368	.0056	.0633	.0110	.3833	.0124	.0060

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	2.070	2390.	.0079	-.0031	.0500	.0824
SDev	.0001	.007	5.	.0013	.0020	.0030	.0004
%RSD	5.482	.3272	.2114	16.23	63.81	6.033	.4959
#1	.0019	2.062	2384.	.0069	-.0052	.0534	.0819
#2	.0021	2.074	2394.	.0073	-.0028	.0490	.0825
#3	.0021	2.073	2392.	.0093	-.0013	.0476	.0827

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0168	24.93	.0301	.7660	6.392	.0470	.0882
SDev	.0003	.07	.0034	.0055	.009	.0076	.0088
%RSD	2.030	.2948	11.19	.7125	.1409	16.17	9.930
#1	.0164	24.85	.0286	.7657	6.402	.0440	.0788
#2	.0169	24.96	.0277	.7607	6.384	.0414	.0962
#3	.0170	24.99	.0339	.7716	6.392	.0557	.0896

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0445	.0186	.0478	.0458	2.216	.1913	.0307
SDev	.0036	.0018	.0057	.0132	.011	.0086	.0001
%RSD	8.061	9.705	11.83	28.91	.4935	4.471	.2276
#1	.0433	.0174	.0415	.0609	2.203	.1968	.0306
#2	.0485	.0176	.0496	.0363	2.221	.1957	.0307
#3	.0416	.0207	.0524	.0401	2.223	.1815	.0307

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0409	-.0005	.0082	.0326	.8236	.0047	.0265
SDev	.0016	.0059	.0001	.0039	.0256	.0005	.0062

%RSD	4.021	1250.	1.185	12.02	3.111	9.777	23.19
#1	.0425	-.0032	.0082	.0351	.8284	.0042	.0197
#2	.0393	-.0044	.0082	.0346	.8465	.0050	.0282
#3	.0408	.0063	.0083	.0281	.7959	.0049	.0317

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0018	.0103	.0125
SDev	.0004	.0007	.0006
%RSD	22.81	7.148	4.753
#1	.0013	.0102	.0131
#2	.0020	.0097	.0122
#3	.0020	.0111	.0120

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Method: ICP1A Sample Name: 96-2849 PS-A Operator: DRS
Run Time: 02/16/96 11:57:22
Comment: 118.2AH.F POST SPIKE (MCVA) (8X112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2514	7.181	1.388	1.066	.2510	.0515	15.09
SDev	.0004	.014	.018	.005	.0011	.0001	.02
%RSD	.1596	.1974	1.280	.5029	.4470	.1667	.1127
#1	.2517	7.191	1.394	1.065	.2507	.0516	15.09
#2	.2510	7.165	1.401	1.062	.2500	.0514	15.07
#3	.2516	7.188	1.367	1.072	.2522	.0516	15.10

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.02	.2581	.0383	.5178	.7101	.5096	.0030
SDev	.03	.0009	.0025	.0012	.0044	.0010	.0003
%RSD	.2203	.3537	6.580	.2371	.6138	.1973	8.999
#1	13.02	.2572	.0367	.5171	.7069	.5107	.0027
#2	12.99	.2581	.0412	.5170	.7084	.5091	.0032
#3	13.05	.2590	.0371	.5192	.7151	.5089	.0031

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	11.35	1260.	.0061	.9684	16.62	.3066
SDev	.0001	.03	3.	.0013	.0036	.05	.0013
%RSD	4.493	.2549	.2703	20.38	.3699	.2750	.4379
#1	.0020	11.36	1261.	.0049	.9696	16.60	.3074
#2	.0020	11.32	1257.	.0060	.9643	16.59	.3051
#3	.0021	11.38	1263.	.0074	.9711	16.68	.3074

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5261	31.38	.0176	.9122	5.901	1.321	.0243
SDev	.0018	.10	.0085	.0044	.058	.012	.0080
%RSD	.3383	.3171	48.31	.4789	.9799	.9224	32.81
#1	.5259	31.50	.0105	.9139	5.924	1.307	.0168
#2	.5245	31.32	.0152	.9073	5.836	1.329	.0235
#3	.5280	31.33	.0270	.9155	5.944	1.328	.0327

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0218	.0215	1.689	1.351	11.06	.2302	.2684
SDev	.0064	.0026	.021	.007	.03	.0174	.0007
%RSD	29.46	11.90	1.260	.5053	.2910	7.551	.2759
#1	.0162	.0226	1.666	1.350	11.09	.2502	.2685
#2	.0288	.0166	1.690	1.358	11.06	.2190	.2676
#3	.0203	.0234	1.709	1.344	11.12	.2213	.2690

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0491	.0257	.5057	1.295	.5460	.5104	.0335
SDev	.0064	.0065	.0013	.005	.0366	.0016	.0086

%RSD	12.98	25.17	.2479	.3937	6.711	.3061	25.63
#1	.0554	.0188	.5060	1.294	.5070	.5091	.0244
#2	.0426	.0316	.5043	1.300	.5514	.5099	.0346
#3	.0492	.0265	.5067	1.290	.5796	.5121	.0415

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0015	.5266	1.008
SDev	.0000	.0012	.003
%RSD	1.773	.2340	.2903
#1	.0016	.5279	1.009
#2	.0015	.5263	1.004
#3	.0015	.5255	1.010

Analysis Report Fri 02-16-96 12:02:41 PM page 1

Method: ICP1A Sample Name: MCVA @2 Operator: DRS
Run Time: 02/16/96 12:01:23
Comment: MCVA 960130I901 @2X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2617	5.179	1.376	1.082	.2553	.0519	12.88
SDev	.0011	.014	.004	.008	.0013	.0003	.01
%RSD	.4077	.2716	.2873	.7016	.4959	.5531	.1016
#1	.2626	5.194	1.376	1.088	.2568	.0522	12.88
#2	.2620	5.166	1.372	1.073	.2546	.0517	12.89
#3	.2605	5.178	1.380	1.084	.2546	.0517	12.86

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.16	.2647	-.0007	.5233	.5220	.4937	-.0006
SDev	.06	.0035	.0055	.0014	.0007	.0027	.0010
%RSD	.4281	1.324	802.7	.2726	.1263	.5408	171.0
#1	13.22	.2630	-.0065	.5250	.5213	.4965	-.0017
#2	13.11	.2687	.0001	.5223	.5221	.4912	.0001
#3	13.15	.2624	.0044	.5227	.5226	.4934	-.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	10.52	12.79	.0004	.9982	16.99	.2690
SDev	.0001	.05	.15	.0018	.0109	.07	.0009
%RSD	12.68	.4824	1.180	452.6	1.096	.4266	.3242
#1	.0006	10.58	12.65	-.0011	1.010	17.07	.2700
#2	.0008	10.48	12.95	-.0001	.9944	16.93	.2684
#3	.0008	10.51	12.77	.0024	.9896	16.95	.2686

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5235	18.90	-.0008	.5280	2.568	1.302	-.0324
SDev	.0030	.20	.0085	.0032	.019	.008	.0109
%RSD	.5784	1.033	1082.	.5964	.7497	.6228	33.49
#1	.5268	19.12	-.0094	.5313	2.582	1.311	-.0435
#2	.5208	18.78	.0077	.5251	2.575	1.297	-.0321
#3	.5229	18.79	-.0007	.5277	2.546	1.298	-.0217

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0131	.0039	1.702	1.346	9.989	.1116	.2602
SDev	.0039	.0029	.013	.009	.044	.0119	.0014
%RSD	29.85	73.91	.7789	.6836	.4448	10.62	.5241
#1	-.0169	.0012	1.712	1.356	10.04	.0980	.2617
#2	-.0090	.0036	1.707	1.341	9.957	.1182	.2591
#3	-.0135	.0069	1.687	1.339	9.970	.1188	.2599

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0194	.0216	.5102	1.267	-.0212	.5160	.0181
SDev	.0031	.0024	.0021	.019	.0541	.0021	.0087

%RSD	15.83	11.22	.4048	1.469	255.3	.4098	48.29
#1	.0228	.0188	.5123	1.288	-.0733	.5183	.0158
#2	.0168	.0232	.5082	1.306	.0348	.5141	.0277
#3	.0186	.0229	.5101	1.269	-.0251	.5156	.0107

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0002	.5332	1.020
SDev	.0003	.0040	.004
%RSD	173.7	.7481	.4312
#1	-.0001	.5366	1.024
#2	.0005	.5342	1.016
#3	.0002	.5288	1.020

Analysis Report Fri 02-16-96 12:07:30 PM

Method: ICP1A Sample Name: 96-2849 FS-B Operator: DRS
Run Time: 02/16/96 12:06:11
Comment: 118.2AH.F POST SPIKE (MCVB1) (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	2.060	.1812	.0129	.0028	.0003	2.501
SDev	.0010	.011	.0109	.0031	.0001	.0000	.023
%RSD	36.69	.5415	6.039	24.08	2.797	10.98	.9364
#1	.0038	2.048	.1732	.0124	.0028	.0003	2.476
#2	.0030	2.063	.1767	.0100	.0028	.0003	2.523
#3	.0017	2.070	.1937	.0162	.0029	.0003	2.505

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0832	.0064	.9950	.0038	.1979	.0210	.9903
SDev	.0009	.0006	.0094	.0004	.0006	.0013	.0052
%RSD	1.141	9.990	.9449	10.03	.2856	6.316	.5294
#1	.0841	.0057	.9852	.0040	.1973	.0218	.9863
#2	.0823	.0070	1.004	.0033	.1979	.0217	.9885
#3	.0831	.0066	.9958	.0040	.1984	.0194	.9962

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9924	1.071	1243.	.4956	-.0099	-.0417	.0426
SDev	.0065	.007	8.	.0017	.0010	.0025	.0006
%RSD	.6521	.6604	.6549	.3345	10.24	6.093	1.480
#1	.9871	1.065	1237.	.4941	-.0096	-.0388	.0421
#2	.9905	1.070	1240.	.4952	-.0091	-.0437	.0424
#3	.9996	1.079	1252.	.4974	-.0110	-.0424	.0433

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0129	12.99	.9845	.4179	3.262	.1493	1.017
SDev	.0010	.08	.0076	.0059	.023	.0100	.004
%RSD	7.473	.5915	.7761	1.406	.7140	6.723	.3978
#1	.0138	12.96	.9790	.4116	3.250	.1378	1.021
#2	.0119	12.94	.9813	.4192	3.248	.1562	1.014
#3	.0132	13.08	.9933	.4231	3.289	.1540	1.015

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	1.048	.0954	.0506	13.59	1.154	.0170
SDev	.008	.004	.0052	.0079	.90	.022	.0001
%RSD	.7470	.3574	5.457	15.59	6.608	1.873	.4074
#1	1.008	1.044	.0979	.0528	12.67	1.140	.0169
#2	1.012	1.050	.0990	.0571	13.65	1.179	.0169
#3	1.022	1.051	.0895	.0418	14.46	1.143	.0170

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.073	1.621	.0051	.0241	12.62	.0022	1.024
SDev	.012	.018	.0001	.0035	.03	.0001	.011

%RSD	1.152	1.121	1.170	14.64	.2712	3.693	1.077
#1	1.059	1.612	.0051	.0203	12.58	.0021	1.016
#2	1.075	1.608	.0051	.0273	12.64	.0022	1.036
#3	1.084	1.641	.0052	.0246	12.64	.0023	1.019

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.4744	.0084	-.0080
SDev	.0025	.0001	.0009
%RSD	.5225	.7119	11.10
#1	.4724	.0083	-.0079
#2	.4737	.0085	-.0073
#3	.4772	.0084	-.0090

Analysis Report Fri 02-16-96 12:11:49 PM page 1

Method: ICP1A Sample Name: MCVB1 @2 Operator: DRS
Run Time: 02/16/96 12:10:30
Comment: MCVB1 960213I901 @2X DIL (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	-.0492	.1571	.0308	-.0007	.0002	.0174
SDev	.0003	.0058	.0129	.0031	.0002	.0000	.0039
%RSD	20.96	11.77	8.123	10.01	22.98	13.80	22.59
#1	-.0016	-.0459	.1428	.0315	-.0005	.0002	.0130
#2	-.0016	-.0458	.1612	.0274	-.0008	.0003	.0187
#3	-.0011	-.0558	.1673	.0334	-.0008	.0002	.0205

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0043	.0036	.9798	-.0036	.0011	.0098	1.007
SDev	.0007	.0008	.0039	.0005	.0012	.0008	.003
%RSD	15.55	21.44	.3974	13.33	111.3	8.262	.2995
#1	-.0041	.0037	.9813	-.0037	.0010	.0092	1.005
#2	-.0050	.0028	.9754	-.0031	.0024	.0107	1.008
#3	-.0037	.0044	.9827	-.0041	-.0000	.0094	1.010

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.016	.0197	-.6599	.4984	-.0165	-.1068	.0000
SDev	.003	.0006	.2306	.0026	.0020	.0063	.0002
%RSD	.2503	2.805	34.94	.5272	12.25	6.285	2712.
#1	1.013	.0201	-.3990	.4962	-.0159	-.0939	-.0002
#2	1.018	.0198	-.8364	.4981	-.0188	-.1064	.0001
#3	1.018	.0191	-.7443	.5014	-.0149	-.1021	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	-.0429	.9835	.0215	.0459	.1127	.9798
SDev	.0009	.0204	.0052	.0025	.0177	.0042	.0057
%RSD	37.25	47.61	.5292	11.62	38.53	3.730	.5850
#1	.0014	-.0202	.9874	.0241	.0349	.1095	.9740
#2	.0030	-.0599	.9776	.0211	.0365	.1174	.9799
#3	.0031	-.0486	.9856	.0191	.0663	.1111	.9855

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.011	1.050	.0756	.0250	10.47	1.022	.0008
SDev	.005	.007	.0136	.0033	1.00	.011	.0000
%RSD	.4744	.6976	18.03	13.20	9.560	1.041	.0805
#1	1.011	1.041	.0625	.0259	9.485	1.012	.0008
#2	1.006	1.054	.0746	.0278	10.43	1.033	.0008
#3	1.016	1.053	.0897	.0214	11.49	1.020	.0008

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.055	1.632	.0002	.0027	12.36	-.0022	1.014
SDev	.009	.007	.0001	.0076	.08	.0005	.001

%RSD	.8326	.4473	34.32	282.3	.6203	21.07	.1046
#1	1.063	1.631	.0003	.0001	12.30	-.0018	1.014
#2	1.058	1.640	.0002	.0113	12.32	-.0027	1.014
#3	1.046	1.625	.0002	-.0033	12.44	-.0021	1.013

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.4798	.0024	-.0156
SDev	.0018	.0013	.0004
%RSD	.3720	51.68	2.433
#1	.4777	.0029	-.0152
#2	.4809	.0010	-.0159
#3	.4808	.0035	-.0158

Analysis Report Fri 02-16-96 12:16:06 PM page 1

Method: ICP1A Sample Name: 96-2849 DUP Operator: DRS
Run Time: 02/16/96 12:14:47
Comment: 118.2AH.F DUPLICATE (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	4.417	.0523	.1919	.0057	.0001	5.039
SDev	.0010	.023	.0130	.0088	.0001	.0000	.021
%RSD	22.66	.5203	24.87	4.559	2.421	18.43	.4255
#1	.0040	4.411	.0525	.2001	.0055	.0001	5.036
#2	.0054	4.398	.0652	.1929	.0058	.0002	5.020
#3	.0036	4.443	.0392	.1827	.0057	.0002	5.062

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2250	.0056	.0585	.0111	.4013	.0124	.0057
SDev	.0013	.0009	.0062	.0007	.0017	.0006	.0006
%RSD	.5908	16.85	10.63	6.180	.4287	4.571	10.68
#1	.2235	.0066	.0534	.0104	.4015	.0128	.0054
#2	.2260	.0047	.0654	.0118	.4029	.0125	.0064
#3	.2254	.0055	.0568	.0112	.3995	.0117	.0053

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	2.196	2405.	.0090	-.0047	.0364	.1032
SDev	.0005	.006	12.	.0007	.0018	.0059	.0001
%RSD	22.32	.2664	.4808	7.368	37.30	16.20	.0778
#1	.0021	2.194	2402.	.0099	-.0032	.0425	.1033
#2	.0029	2.192	2396.	.0097	-.0042	.0359	.1033
#3	.0019	2.203	2418.	.0084	-.0066	.0307	.1032

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0196	26.55	.0331	.7499	6.780	.0487	.0841
SDev	.0019	.15	.0053	.0007	.035	.0052	.0171
%RSD	9.527	.5503	16.03	.0916	.5165	10.56	20.30
#1	.0177	26.44	.0303	.7492	6.740	.0542	.0692
#2	.0214	26.48	.0393	.7501	6.801	.0481	.1027
#3	.0196	26.71	.0298	.7505	6.799	.0440	.0805

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0423	.0181	.0476	.0594	5.752	.1894	.0324
SDev	.0069	.0044	.0190	.0011	.172	.0142	.0003
%RSD	16.27	24.35	39.85	1.781	2.991	7.493	.7799
#1	.0418	.0158	.0258	.0596	5.933	.1770	.0322
#2	.0494	.0232	.0605	.0582	5.732	.2049	.0323
#3	.0357	.0153	.0565	.0603	5.591	.1862	.0327

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0402	-.0029	.0108	.0296	.8386	.0049	.0209
SDev	.0061	.0077	.0003	.0057	.0842	.0009	.0077

%RSD	15.12	267.0	2.608	19.37	10.04	18.42	36.71
#1	.0364	.0028	.0107	.0326	.7749	.0044	.0283
#2	.0472	-.0116	.0105	.0230	.9341	.0060	.0213
#3	.0370	.0002	.0111	.0332	.8067	.0044	.0130

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0017	.0138	.0119
SDev	.0005	.0005	.0008
%RSD	27.10	3.440	6.773
#1	.0013	.0142	.0117
#2	.0023	.0133	.0128
#3	.0017	.0139	.0113

Analysis Report QC Standard Fri 02-16-96 12:19:37 PM page 1

Method: ICP1A Sample Name: QC_MCVA 960130I901 Operator: DRS
Run Time: 02/16/96 12:18:18
Comment: (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass* DRS 2/16/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5138	10.13	2.640	2.191	.4997	.1005	25.08
SDev	.0021	.04	.038	.008	.0016	.0003	.10
%RSD	.4088	.4307	1.435	.3866	.3307	.2782	.4057
#1	.5117	10.08	2.606	2.184	.4980	.1002	24.96
#2	.5159	10.17	2.680	2.188	.5013	.1007	25.13
#3	.5138	10.14	2.633	Q2.201	.4999	.1005	25.15
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.53	.5090	.0003	1.015	1.002	.9666	-.0012
SDev	.09	.0023	.0053	.001	.001	.0032	.0001
%RSD	.3375	.4471	2045.	.1378	.1415	.3328	7.336
#1	25.44	.5064	.0061	1.014	1.001	.9630	-.0011
#2	25.61	.5105	-.0042	1.016	1.004	.9691	-.0013
#3	25.55	.5101	-.0012	1.016	1.001	.9676	-.0013
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	20.40	25.61	.0012	1.990	32.87	.5210
SDev	.0002	.06	.11	.0016	.016	.09	.0009
%RSD	16.93	.3084	.4435	139.4	.8161	.2750	.1658
#1	.0016	20.33	25.66	.0030	1.977	32.77	.5200
#2	.0012	20.46	25.68	.0006	2.008	32.94	.5215
#3	.0012	20.41	25.48	-.0001	1.986	32.90	.5214
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.021	37.33	-.0035	1.015	5.012	2.502	-.0630
SDev	.007	.19	.0028	.002	.024	.013	.0071
%RSD	.6729	.5087	80.99	.1890	.4840	.5205	11.26
#1	1.014	37.27	-.0022	1.016	5.028	2.489	-.0574
#2	1.021	37.54	-.0015	1.016	5.024	2.513	-.0606
#3	1.028	37.17	-.0068	1.013	4.984	2.501	-.0709
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0177	.0080	03.296	2.647	20.30	.2060	.5093
SDev	.0040	.0009	.032	.031	.06	.0145	.0022
%RSD	22.43	11.79	.9617	1.166	.2737	7.042	.4261
#1	-.0134	.0070	03.281	2.624	20.25	.2043	.5069
#2	-.0212	.0081	03.273	2.635	20.36	.1924	.5112
#3	-.0185	.0089	03.332	2.682	20.30	.2213	.5098
Errors	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0374	.0479	.9959	2.522	-.0241	1.005	.0434
SDev	.0060	.0064	.0036	.010	.0369	.004	.0086
%RSD	16.05	13.31	.3642	.3915	153.1	.4130	19.78
#1	.0433	.0486	.9922	2.530	.0185	1.000	.0423
#2	.0376	.0412	.9995	2.524	-.0441	1.009	.0525
#3	.0313	.0839	.9961	2.511	-.0467	1.006	.0354
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0006	1.027	2.000
SDev	.0003	.003	.007
%RSD	55.73	.2781	.3621
#1	.0009	1.024	1.992
#2	.0003	1.028	2.006
#3	.0006	1.029	2.002
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

WHC-SC-WM-DP-170, Rev1

Analysis Report Fri 02-16-96 12:23:39 PM page 1

Method: ICP1A Sample Name: ICP1.960103F100 Operator: DRS
Run Time: 02/16/96 12:22:21
Comment: 118.2AH.F DUPLICATE (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	-.0028	.0041	.0478	-.0003	-.0000	-.0101
SDev	.0001	.0028	.0051	.0019	.0002	.0000	.0166
%RSD	13.87	98.55	123.6	4.016	48.95	186.4	163.5
#1	-.0009	-.0051	-.0017	.0500	-.0002	-.0000	-.0202
#2	-.0012	-.0035	.0064	.0468	-.0002	-.0000	-.0193
#3	-.0011	.0003	.0077	.0466	-.0005	.0000	.0090

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0079	.0014	-.0086	-.0014	-.0002	-.0008	-.0006
SDev	.0008	.0021	.0027	.0005	.0005	.0001	.0007
%RSD	10.21	146.4	31.66	36.53	254.4	14.04	112.2
#1	.0088	-.0002	-.0060	-.0019	-.0007	-.0009	-.0001
#2	.0076	.0007	-.0064	-.0010	-.0001	-.0007	-.0013
#3	.0072	.0037	-.0114	-.0011	.0002	-.0007	-.0004

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0007	-.1918	-.0018	-.0146	-.0049	.0001
SDev	.0002	.0011	.1884	.0007	.0020	.0076	.0003
%RSD	97.40	159.1	98.22	39.02	13.47	155.0	252.2
#1	.0000	.0019	.0153	-.0011	-.0149	.0007	.0002
#2	-.0004	-.0002	-.3530	-.0025	-.0125	-.0019	-.0002
#3	-.0004	.0003	-.2379	-.0018	-.0164	-.0136	.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	-.0536	-.0098	-.0063	-.0142	-.0070	-.0239
SDev	.0003	.0254	.0039	.0012	.0110	.0010	.0181
%RSD	69.43	47.31	39.93	18.92	77.66	13.85	75.87
#1	.0006	-.0293	-.0094	-.0073	-.0138	-.0068	-.0180
#2	.0001	-.0517	-.0138	-.0066	-.0255	-.0080	-.0443
#3	.0008	-.0799	-.0061	-.0050	-.0034	-.0061	-.0095

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0137	-.0064	-.0056	-.0117	.3323	-.0512	.0001
SDev	.0020	.0028	.0077	.0021	.0201	.0187	.0001
%RSD	14.39	44.10	136.8	17.58	6.036	36.64	68.92
#1	-.0115	-.0032	-.0136	-.0126	.3522	-.0442	.0002
#2	-.0145	-.0085	.0017	-.0094	.3327	-.0724	.0001
#3	-.0151	-.0075	-.0050	-.0133	.3120	-.0369	.0001

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0145	.0025	-.0001	-.0042	-.1409	-.0007	.0020
SDev	.0094	.0050	.0001	.0031	.0397	.0001	.0075

%RSD	65.29	202.4	124.4	122.5	28.19	10.25	382.5
#1	-.0216	.0058	-.0000	.0008	-.0960	-.0007	-.0032
#2	-.0181	.0049	-.0001	-.0094	-.1714	-.0006	.0105
#3	-.0038	-.0033	.0000	-.0040	-.1554	-.0006	-.0014

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0007	.0008	-.0009
SDev	.0002	.0010	.0002
%RSD	29.30	119.9	26.20
#1	-.0009	.0004	-.0008
#2	-.0008	.0001	-.0012
#3	-.0005	.0020	-.0008

Analysis Report Fri 02-16-96 12:25:43 PM page 1

Method: ICP1A Sample Name: 96-2851 Operator: DRS
Run Time: 02/16/96 12:24:24
Comment: 119.3AH.F (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	3.754	.0518	.0682	.0054	.0001	5.218
SDev	.0003	.016	.0080	.0013	.0001	.0000	.050
%RSD	5.765	.4353	15.52	1.945	2.544	19.41	.9505
#1	.0054	3.747	.0610	.0681	.0055	.0001	5.248
#2	.0053	3.772	.0470	.0696	.0053	.0001	5.246
#3	.0059	3.742	.0472	.0669	.0054	.0001	5.161

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1483	.0027	.0655	.0089	.4285	.0138	.0067
SDev	.0003	.0016	.0040	.0009	.0047	.0014	.0009
%RSD	.2022	58.66	6.035	9.698	1.089	10.09	12.90
#1	.1481	.0014	.0701	.0099	.4284	.0151	.0071
#2	.1481	.0045	.0627	.0082	.4332	.0123	.0057
#3	.1486	.0023	.0638	.0087	.4239	.0140	.0072

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	2.652	2369.	.0101	.0099	.0478	.0746
SDev	.0002	.010	9.	.0015	.0021	.0044	.0008
%RSD	9.292	.3756	.3869	15.01	21.44	9.261	1.087
#1	.0023	2.645	2366.	.0112	.0109	.0494	.0738
#2	.0021	2.663	2380.	.0084	.0075	.0428	.0754
#3	.0025	2.647	2362.	.0108	.0113	.0512	.0744

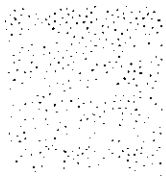
Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0186	26.73	.0432	.4150	6.269	.0571	.1017
SDev	.0015	.14	.0050	.0022	.042	.0025	.0176
%RSD	7.830	.5058	11.62	.5181	.6698	4.317	17.27
#1	.0200	26.57	.0438	.4149	6.299	.0543	.1108
#2	.0171	26.82	.0379	.4172	6.267	.0587	.0814
#3	.0188	26.80	.0478	.4129	6.221	.0583	.1128

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0510	.0211	.0571	.0506	2.508	.1846	.0394
SDev	.0028	.0017	.0177	.0023	.014	.0397	.0001
%RSD	5.548	7.934	31.07	4.541	.5705	21.49	.3566
#1	.0516	.0193	.0375	.0502	2.507	.2072	.0393
#2	.0480	.0214	.0721	.0486	2.523	.1388	.0396
#3	.0535	.0227	.0617	.0531	2.495	.2078	.0393

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0437	.0047	.0148	.0219	.9429	.0060	.0304
SDev	.0044	.0078	.0004	.0036	.0969	.0006	.0163

%RSD	10.17	166.6	2.864	16.39	10.28	9.490	53.59
#1	.0487	.0007	.0151	.0259	.9851	.0058	.0470
#2	.0421	.0136	.0143	.0189	.8321	.0066	.0299
#3	.0403	-.0003	.0151	.0210	1.012	.0055	.0144

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0019	.0261	.0137
SDev	.0001	.0005	.0009
%RSD	3.285	1.820	6.385
#1	.0019	.0266	.0139
#2	.0020	.0257	.0127
#3	.0019	.0260	.0144



Analysis Report Fri 02-16-96 12:29:13 PM page 1

Method: ICP1A Sample Name: 96-2851 DUP Operator: DRS
Run Time: 02/16/96 12:27:54
Comment: 119.3AH.F DUPLICATE (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0049	3.762	.0594	.0567	.0057	.0002	4.958
SDev	.0004	.008	.0016	.0010	.0003	.0000	.039
%RSD	8.095	.2081	2.728	1.805	4.999	21.39	.7936
#1	.0053	3.754	.0612	.0576	.0059	.0002	4.963
#2	.0050	3.770	.0589	.0569	.0058	.0002	4.995
#3	.0045	3.761	.0580	.0556	.0054	.0001	4.916

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1839	.0045	.0604	.0095	.4045	.0157	.0062
SDev	.0008	.0010	.0016	.0006	.0024	.0015	.0001
%RSD	.4531	21.99	2.643	6.806	.5863	9.476	1.892
#1	.1849	.0051	.0597	.0091	.4069	.0172	.0064
#2	.1837	.0051	.0592	.0091	.4021	.0142	.0062
#3	.1833	.0034	.0622	.0102	.4044	.0158	.0062

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	2.491	2369.	.0095	.0066	.0419	.0876
SDev	.0001	.002	4.	.0006	.0011	.0073	.0003
%RSD	5.609	.0782	.1820	6.520	16.90	17.28	.3529
#1	.0021	2.491	2364.	.0093	.0060	.0474	.0880
#2	.0019	2.493	2372.	.0090	.0079	.0337	.0874
#3	.0021	2.490	2371.	.0102	.0060	.0446	.0875

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0182	25.38	.0330	.5437	5.962	.0470	.0808
SDev	.0010	.01	.0017	.0034	.043	.0041	.0069
%RSD	5.620	.0513	5.197	.6164	.7209	8.653	8.555
#1	.0192	25.36	.0317	.5407	5.913	.0515	.0878
#2	.0171	25.39	.0324	.5430	5.991	.0435	.0740
#3	.0183	25.39	.0349	.5473	5.983	.0461	.0806

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0418	.0212	.0444	.0483	2.746	.1658	.0376
SDev	.0017	.0007	.0112	.0036	.006	.0400	.0001
%RSD	4.106	3.440	25.30	7.472	.2292	24.15	.1858
#1	.0438	.0212	.0556	.0506	2.743	.2044	.0375
#2	.0407	.0204	.0443	.0501	2.753	.1684	.0376
#3	.0409	.0218	.0332	.0441	2.742	.1245	.0376

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0370	.0087	.0166	.0304	.7551	.0054	.0169
SDev	.0122	.0082	.0001	.0088	.0364	.0001	.0085

%RSD	32.99	94.44	.8967	28.92	4.825	1.787	51.14
#1	.0491	.0035	.0165	.0211	.7968	.0054	.0180
#2	.0373	.0181	.0167	.0314	.7297	.0053	.0077
#3	.0247	.0044	.0164	.0386	.7387	.0055	.0249

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0016	.0271	.0111
SDev	.0004	.0008	.0008
%RSD	26.16	2.974	7.661
#1	.0013	.0277	.0118
#2	.0013	.0262	.0102
#3	.0020	.0274	.0114

Analysis Report Fri 02-16-96 12:33:02 PM page 1

Method: ICP1A Sample Name: SRM 2709 Operator: DRS
Run Time: 02/16/96 12:31:44
Comment: LCS BX112 HOMOGENIZATION (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	21.75	.0844	.0656	.2626	.0019	.0038
SDev	.0019	.33	.0083	.0009	.0041	.0000	.0024
%RSD	42.88	1.521	9.787	1.311	1.552	1.365	63.77
#1	.0029	22.09	.0897	.0648	.2669	.0019	.0066
#2	.0039	21.71	.0885	.0655	.2620	.0019	.0026
#3	.0065	21.44	.0749	.0665	.2588	.0019	.0022

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.733	.0053	.0451	.0142	.0509	.0183	.0062
SDev	.076	.0014	.0098	.0010	.0016	.0008	.0019
%RSD	1.322	26.39	21.84	7.130	3.168	4.531	30.33
#1	5.810	.0043	.0344	.0130	.0504	.0184	.0045
#2	5.731	.0046	.0473	.0150	.0527	.0175	.0059
#3	5.659	.0069	.0537	.0145	.0496	.0191	.0082

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	10.05	2394.	.0168	.0045	4.580	.2318
SDev	.0005	.15	37.	.0029	.0024	.052	.0034
%RSD	18.43	1.444	1.547	17.44	53.57	1.139	1.459
#1	.0021	10.20	2432.	.0141	.0021	4.630	.2347
#2	.0025	10.04	2392.	.0165	.0070	4.586	.2327
#3	.0031	9.914	2358.	.0199	.0045	4.526	.2281

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0095	4.441	.0378	1.932	.2614	.1157	.0879
SDev	.0006	.043	.0109	.068	.0300	.0057	.0284
%RSD	6.103	.9705	28.85	3.528	11.48	4.912	32.31
#1	.0089	4.431	.0288	2.008	.2923	.1096	.0586
#2	.0097	4.488	.0346	1.911	.2322	.1168	.0897
#3	.0100	4.403	.0499	1.877	.2603	.1208	.1153

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0389	.0243	.0997	.1303	85.20	.2722	.0676
SDev	.0198	.0072	.0067	.0040	1.61	.0319	.0010
%RSD	50.77	29.64	6.760	3.049	1.894	11.73	1.442
#1	.0182	.0184	.0995	.1343	86.93	.2419	.0686
#2	.0409	.0222	.0931	.1263	84.93	.2691	.0675
#3	.0576	.0323	.1065	.1302	83.73	.3056	.0666

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0715	.0103	.9001	.0451	.5582	.0377	.0284
SDev	.0056	.0045	.0136	.0066	.1451	.0003	.0075

%RSD	7.787	43.71	1.513	14.68	25.99	.7797	26.51
#1	.0658	.0139	.9142	.0405	.4545	.0376	.0253
#2	.0717	.0052	.8992	.0422	.4961	.0375	.0369
#3	.0770	.0116	.8870	.0527	.7239	.0381	.0229

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0070	.0412	.0244
SDev	.0006	.0014	.0007
%RSD	8.542	3.396	2.699
#1	.0064	.0426	.0251
#2	.0071	.0398	.0243
#3	.0076	.0411	.0238

Analysis Report QC Standard Fri 02-16-96 12:37:13 PM page 1

Method: ICP1A Sample Name: QC_MCVA 960130I901 Operator: DRS
Run Time: 02/16/96 12:35:54
Comment: (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass* DRS 2/16/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5110	10.04	2.607	2.099	.4938	.0994	24.86
SDev	.0029	.05	.006	.015	.0030	.0005	.13
%RSD	.5573	.5245	.2176	.6930	.6140	.5093	.5255
#1	.5114	10.04	2.611	2.110	.4941	.0994	24.86
#2	.5079	9.986	2.601	2.083	.4906	.0989	24.72
#3	.5136	10.09	2.610	2.104	.4966	.0999	24.98
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.30	.5110	.0173	1.006	1.003	.9578	.0006
SDev	.11	.0022	.0029	.006	.005	.0035	.0010
%RSD	.4364	.4370	16.52	.5594	.4820	.3699	159.7
#1	25.30	.5131	.0159	1.005	1.003	.9574	.0000
#2	25.20	.5086	.0205	1.001	.9985	.9544	.0017
#3	25.42	.5112	.0154	1.012	1.008	.9615	.0001
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	20.17	25.16	.0045	1.950	32.58	.5166
SDev	.0003	.10	.36	.0015	.016	.15	.0026
%RSD	18.35	.4973	1.448	34.36	.8053	.4738	.4966
#1	.0016	20.17	25.48	.0034	1.954	32.57	.5167
#2	.0022	20.07	25.25	.0063	1.933	32.43	.5139
#3	.0016	20.27	24.76	.0038	1.963	32.74	.5190
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.011	36.81	.0041	1.006	4.940	2.487	-.0403
SDev	.005	.31	.0062	.006	.024	.017	.0188
%RSD	.4831	.8536	150.6	.6259	.4762	.6878	46.62
#1	1.008	36.94	.0023	1.005	4.942	2.465	-.0436
#2	1.008	36.45	.0109	.9997	4.916	2.471	-.0201
#3	1.016	37.04	-.0010	1.012	4.963	2.505	-.0573
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0037	.0132	03.259	2.618	19.30	.2142	.5032
SDev	.0033	.0007	.014	.019	.08	.0181	.0034
%RSD	88.43	5.521	.4315	.7262	.3905	8.457	.6710
#1	-.0074	.0140	03.265	2.617	19.30	.1933	.5038
#2	-.0012	.0131	03.243	2.599	19.23	.2241	.4995
#3	-.0025	.0125	03.269	2.637	19.38	.2253	.5062
Errors	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0376	.0543	.9856	2.502	.0496	.9962	.0411
SDev	.0009	.0122	.0047	.013	.0483	.0063	.0069
%RSD	2.507	22.49	.4784	.5180	97.33	.6337	16.70
#1	.0367	.0548	.9853	2.496	.0772	.9958	.0474
#2	.0386	.0418	.9809	2.494	.0777	.9900	.0338
#3	.0375	.0662	.9903	2.517	-.0061	1.003	.0421
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0010	1.023	1.978
SDev	.0002	.002	.011
%RSD	18.40	.2334	.5591
#1	.0009	1.021	1.978
#2	.0012	1.026	1.967
#3	.0009	1.022	1.988
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report QC Standard Fri 02-16-96 12:41:54 PM page 1

Method: ICP1A Sample Name: QC_MCVB1 960213I901 Operator: DRS
Run Time: 02/16/96 12:40:35
Comment: (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass ✓ NDS 2/16/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	-.0662	.3216	.0272	-.0002	.0005	.0487
SDev	.0016	.0041	.0058	.0088	.0003	.0000	.0047
%RSD	127.8	6.212	1.807	32.46	118.2	1.751	9.722
#1	.0006	-.0696	.3198	.0188	-.0005	.0005	.0541
#2	.0031	-.0616	.3280	.0264	.0000	.0005	.0462
#3	.0001	-.0672	.3168	.0364	-.0002	.0005	.0457
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0081	.0088	1.933	-.0042	.0062	.0272	1.953
SDev	.0011	.0022	.006	.0009	.0027	.0008	.009
%RSD	12.98	24.58	.3095	21.72	42.98	3.056	.4750
#1	.0088	.0089	1.931	-.0048	.0044	.0281	1.958
#2	.0088	.0109	1.928	-.0031	.0093	.0267	1.943
#3	.0069	.0066	1.939	-.0045	.0050	.0267	1.939
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.966	.0037	-1.565	.9689	-.0160	-.1637	.0005
SDev	.010	.0021	.217	.0031	.0007	.0076	.0001
%RSD	.5099	56.00	13.90	.3147	4.629	4.672	18.76
#1	1.971	.0051	-1.780	.9682	-.0159	-.1591	.0006
#2	1.955	.0046	-1.343	.9663	-.0168	-.1726	.0005
#3	1.973	.0013	-1.573	.9723	-.0154	-.1595	.0004
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			1.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	.0368	1.926	.0401	.0753	.2269	1.996
SDev	.0003	.0117	.003	.0010	.0194	.0088	.005
%RSD	4.605	31.78	.1397	2.522	25.74	3.860	.2721
#1	.0063	.0237	1.926	.0403	.0830	.2246	1.993
#2	.0068	.0407	1.924	.0390	.0897	.2195	1.994
#3	.0063	.0461	1.929	.0409	.0533	.2365	2.002
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000

Analysis Report QC Standard Fri 02-16-96 12:41:54 PM page 2

Range			10.00				10.00
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.986	2.025	.1447	.0645	15.88	2.041	.0021
SDev	.013	.007	.0077	.0205	2.18	.027	.0001
%RSD	.6375	.3413	5.353	31.80	13.73	1.315	5.700
#1	1.979	2.025	.1399	.0483	13.60	2.013	.0020
#2	1.979	2.018	.1406	.0876	16.09	2.067	.0023
#3	2.001	2.032	.1536	.0577	17.95	2.044	.0021
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	2.000	2.000				2.000	
Range	10.00	10.00				10.00	

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.037	03.605	.0020	.0067	24.24	-.0014	1.961
SDev	.002	.238	.0003	.0053	.08	.0004	.016
%RSD	.0734	6.603	16.66	79.01	.3282	25.99	.8059
#1	2.038	03.539	.0018	.0007	24.21	-.0016	1.954
#2	2.035	03.869	.0024	.0089	24.18	-.0010	1.950
#3	2.037	03.407	.0019	.0105	24.33	-.0017	1.979
Errors	QC Pass	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	2.000	5.000			25.00		2.000
Range	10.00	10.00			10.00		10.00

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.9251	.0049	-.0273
SDev	.0040	.0004	.0019
%RSD	.4268	7.715	7.037
#1	.9247	.0045	-.0287
#2	.9213	.0052	-.0281
#3	.9292	.0050	-.0251
Errors	QC Pass	NOCHECK	NOCHECK
Value	1.000		
Range	10.00		

Analysis Report Fri 02-16-96 12:45:29 PM page 1

Method: ICP1A Sample Name: QC SSTA 9512081902 Operator: DRS
Run Time: 02/16/96 12:44:10
Comment: LCS BX112 HOMOGENIZATION (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0064	251.0	.3011	.4012	.0091	-.0016	198.9
SDev	.0017	2.5	.0249	.0062	.0004	.0000	1.8
%RSD	26.06	.9809	8.268	1.548	3.990	.5038	.9160
#1	-.0084	249.6	.2858	.3955	.0088	-.0016	197.9
#2	-.0052	253.9	.3299	.4076	.0095	-.0016	201.0
#3	-.0058	249.6	.2878	.4003	.0090	-.0016	197.9

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	247.7	.0742	.1079	.0031	.2326	-.1020	.0317
SDev	2.1	.0009	.0055	.0021	.0049	.0017	.0015
%RSD	.8378	1.206	5.105	69.35	2.108	1.676	4.885
#1	246.4	.0733	.1021	.0052	.2276	-.1017	.0308
#2	250.1	.0751	.1130	.0029	.2374	-.1004	.0335
#3	246.6	.0744	.1086	.0010	.2327	-.1038	.0307

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0896	193.9	100.0	50.72	.0219	-1.093	.0178
SDev	.0011	1.7	1.1	.51	.0020	.016	.0005
%RSD	1.260	.8781	1.088	1.009	8.981	1.499	2.673
#1	.0892	193.0	99.16	50.49	.0215	-1.076	.0174
#2	.0908	195.9	101.2	51.31	.0201	-1.094	.0183
#3	.0886	192.9	99.62	50.37	.0240	-1.109	.0179

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1004	.8268	.1902	191.5	200.7	.9330	.9187
SDev	.0028	.0141	.0078	1.6	1.5	.0094	.0197
%RSD	2.754	1.702	4.110	.8504	.7615	1.009	2.146
#1	.0984	.8288	.1885	190.4	199.8	.9238	.9094
#2	.1035	.8398	.1988	193.3	202.4	.9426	.9413
#3	.0992	.8119	.1834	190.7	199.8	.9327	.9054

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2247	.2035	.7751	1.512	9.102	3.486	.0195
SDev	.0126	.0071	.0178	.024	.588	.060	.0003
%RSD	5.602	3.497	2.300	1.569	6.458	1.713	1.433
#1	.2118	.1995	.7600	1.496	9.666	3.440	.0193
#2	.2370	.2117	.7947	1.540	9.149	3.553	.0198
#3	.2255	.1994	.7704	1.501	8.493	3.463	.0193

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7200	-.0907	-.0016	.3098	202.8	.0422	.5502
SDev	.0092	.0104	.0003	.0034	2.1	.0006	.0140

%RSD	1.274	11.45	18.62	1.089	1.017	1.418	2.553
#1	.7247	-.0804	-.0018	.3105	201.4	.0415	.5390
#2	.7258	-.0906	-.0013	.3062	205.1	.0426	.5659
#3	.7094	-.1012	-.0018	.3128	201.8	.0425	.5456

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0200	.0979	.0467
SDev	.0007	.0012	.0021
%RSD	3.426	1.260	4.451
#1	.0194	.0986	.0450
#2	.0207	.0964	.0490
#3	.0199	.0985	.0461

Analysis Report Fri 02-16-96 12:49:14 PM page 1

Method: ICP1A Sample Name: QC SSTMCV 9512081903 Operator: DRS
Run Time: 02/16/96 12:47:55
Comment: LCS BX112 HOMOGENIZATION (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5195	5.129	2.119	.2643	.0996	.1015	1.667
SDev	.0014	.032	.013	.0098	.0003	.0004	.016
%RSD	.2703	.6279	.6108	3.694	.3177	.4211	.9745
#1	.5202	5.164	2.110	.2754	.0998	.1019	1.680
#2	.5178	5.100	2.114	.2608	.0993	.1010	1.649
#3	.5204	5.124	2.134	.2568	.0998	.1015	1.672

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.144	.2100	.0091	-.0039	.3066	-.0005	.0008
SDev	.016	.0014	.0043	.0009	.0010	.0004	.0008
%RSD	1.356	.6885	47.86	22.15	.3263	91.04	99.98
#1	1.162	.2084	.0042	-.0034	.3068	-.0008	.0001
#2	1.136	.2105	.0104	-.0034	.3055	.0000	.0016
#3	1.134	.2111	.0127	-.0049	.3075	-.0007	.0007

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0075	.6138	49.19	.0284	-.0117	-.1354	.1041
SDev	.0000	.0116	.15	.0035	.0007	.0118	.0003
%RSD	.2005	1.890	.3116	12.27	6.365	8.737	.3062
#1	.0075	.6268	49.32	.0319	-.0125	-.1290	.1044
#2	.0075	.6100	49.02	.0282	-.0110	-.1281	.1042
#3	.0075	.6046	49.23	.0250	-.0115	-.1490	.1035

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	5.042	.0034	.7060	4.150	3.026	-.0008
SDev	.0009	.040	.0048	.0201	.031	.024	.0105
%RSD	22.79	.7858	140.3	2.851	.7544	.7953	1316.
#1	.0033	5.046	-.0016	.7274	4.175	3.021	-.0129
#2	.0050	5.001	.0038	.7032	4.115	3.005	.0053
#3	.0037	5.080	.0079	.6874	4.160	3.052	.0052

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	-.0036	2.664	2.623	5.722	.0118	.0015
SDev	.0047	.0035	.010	.050	.136	.0204	.0000
%RSD	270.1	95.13	.3704	1.901	2.383	172.0	.0384
#1	-.0004	-.0027	2.673	2.653	5.868	.0030	.0015
#2	-.0015	-.0008	2.653	2.565	5.701	.0352	.0015
#3	.0072	-.0075	2.665	2.649	5.598	-.0026	.0015

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	-.0043	-.0010	.0064	20.30	.5063	.0282
SDev	.0052	.0027	.0001	.0091	.06	.0020	.0037

%RSD	64.12	62.73	8.963	141.1	.3036	.3952	12.93
#1	.0142	-.0071	-.0010	.0045	20.35	.5075	.0311
#2	.0051	-.0017	-.0009	-.0016	20.23	.5039	.0295
#3	.0052	-.0041	-.0009	.0163	20.31	.5073	.0241

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0001	.0009	.5027
SDev	.0006	.0008	.0018
%RSD	534.8	87.41	.3568
#1	-.0007	.0009	.5045
#2	.0004	.0017	.5009
#3	-.0000	.0001	.5026

Analysis Report QC Standard Fri 02-16-96 12:52:46 PM page 1

Method: ICP1A Sample Name: QC_SRM-1643d 108518 Operator: DRS
Run Time: 02/16/96 12:51:28
Comment: (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.0005	0.1382	0.0674	0.3045	.5077	.0125	.0274
SDev	.0012	.0006	.0052	.0060	.0031	.0001	.0046
%RSD	227.2	.4397	7.776	1.985	.6039	1.080	16.85
#1	0-.0005	0.1385	0.0628	0.3113	.5110	0.0127	.0243
#2	0.0018	0.1386	0.0731	0.3023	.5050	0.0124	.0327
#3	0.0003	0.1375	0.0665	0.2998	.5070	0.0125	.0251
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	NOCHECK
Value	.0013	.1276	.0560	.1448	.5065	.0125	
Range	.0570	3.500	.7300	5.200	8.900	.2800	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	031.39	0.0080	.0076	0.0236	0.0196	0.0168	.0005
SDev	.17	.0018	.0068	.0005	.0009	.0012	.0009
%RSD	.5487	21.99	88.61	2.087	4.710	7.144	182.6
#1	031.58	0.0099	-.0002	0.0231	0.0186	0.0158	-.0005
#2	31.24	0.0078	.0117	0.0240	0.0199	0.0165	.0013
#3	031.36	0.0064	.0114	0.0238	0.0204	0.0182	.0007
Errors	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail	NOCHECK
Value	31.04	.0065		.0250	.0185	.0205	
Range	.6400	.3700		.5900	.2000	3.800	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	0.1008	02.195	.0108	0.0052	08.459	0.0396
SDev	.0004	.0024	.219	.0009	.0006	.051	.0004
%RSD	39.60	2.348	9.970	7.845	10.83	.5994	.9441
#1	.0006	0.1034	01.972	.0099	0.0045	08.510	0.0395
#2	.0014	0.1001	02.409	.0115	0.0055	08.408	0.0397
#3	.0012	0.0988	02.202	.0111	0.0055	08.458	0.0402
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail
Value		.0912	2.356		.0165	7.989	.0377
Range		3.900	.0350		.5500	.0350	.8300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.1108	021.83	.0123	0.1295	.0270	.0181	.0019
SDev	.0031	.12	.0043	.0046	.0236	.0058	.0092
%RSD	2.767	.5632	35.39	3.573	87.52	32.01	478.9
#1	0.1109	21.96	.0098	0.1347	.0036	0.0123	-.0082
#2	0.1076	021.72	.0173	0.1281	.0508	0.0239	.0098
#3	.1138	021.80	.0097	0.1258	.0266	.0181	.0041
Errors	QC Fail	QC Fail	NOCHECK	QC Fail	NOCHECK	QC Pass	NOCHECK
Value	.1129	22.07		.0581		.0181	

Range	1.700	.6400		2.700		.6400	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0039	-.0022	0.0864	0.0100	4.015	-.0388	.2980
SDev	.0102	.0032	.0105	.0020	.067	.0007	.0024
%RSD	263.5	147.9	12.12	19.71	1.659	1.684	.8195
#1	-.0148	-.0026	0.0782	0.0078	4.087	-.0387	.3005
#2	.0055	-.0052	0.0829	0.0117	4.001	-.0382	.2957
#3	-.0024	.0012	0.0982	0.0105	3.956	-.0395	.2976
Errors	NOCHECK	NOCHECK	QC Fail	QC Fail	NOCHECK	NOCHECK	QC Pass
Value			.0541	.0114			.2948
Range			1.100	.1700			3.400

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0033	-.0089	.0004	0.0082	.2698	0.0343	.0045
SDev	.0043	.0009	.0005	.0129	.0792	.0007	.0061
%RSD	131.4	9.725	127.8	156.0	29.34	2.141	134.9
#1	.0010	-.0098	.0000	0.0178	.1834	0.0338	.0104
#2	-.0076	-.0090	.0010	0-.0064	.3369	.0351	.0049
#3	-.0031	-.0080	.0002	0.0133	.2871	0.0340	-.0018
Errors	NOCHECK	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK
Value				.0073		.0351	
Range				.2500		1.400	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0006	0.0757	-.0001
SDev	.0006	.0016	.0007
%RSD	85.71	2.143	522.6
#1	.0000	0.0774	-.0009
#2	.0009	0.0742	.0003
#3	.0010	0.0757	.0003
Errors	NOCHECK	QC Fail	NOCHECK
Value		.0725	
Range		.6500	

Analysis Report Fri 02-16-96 12:56:34 PM page 1

Method: ICP1A Sample Name: QC CCV1 960126H901 Operator: DRS
Run Time: 02/16/96 12:55:16
Comment: LCS BX112 HOMOGENIZATION (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	1.964	2.118	2.182	.9739	1.017	1.961
SDev	.0002	.015	.015	.010	.0049	.005	.015
%RSD	35.57	.7410	.7007	.4592	.5074	.4449	.7592
#1	-.0005	1.973	2.128	2.193	.9780	1.021	1.973
#2	-.0005	1.947	2.101	2.174	.9684	1.012	1.944
#3	-.0009	1.971	2.125	2.181	.9752	1.018	1.964

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.037	1.020	-.0007	1.011	.4971	1.999	.0009
SDev	.010	.005	.0029	.003	.0038	.007	.0006
%RSD	.4874	.4766	407.2	.3201	.7640	.3581	67.43
#1	2.046	1.016	-.0032	1.012	.5014	2.007	.0012
#2	2.027	1.025	-.0014	1.007	.4957	1.993	.0014
#3	2.039	1.018	.0025	1.013	.4942	1.998	.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	1.998	4.558	.0020	1.932	2.062	1.032
SDev	.0001	.008	.087	.0014	.011	.019	.005
%RSD	35.93	.4069	1.912	66.78	.5943	.9202	.4500
#1	.0002	2.005	4.458	.0017	1.941	2.077	1.035
#2	.0004	1.989	4.596	.0035	1.919	2.041	1.026
#3	.0004	2.001	4.619	.0008	1.936	2.069	1.033

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.968	8.293	.0017	2.078	4.832	2.009	-.0035
SDev	.005	.071	.0014	.010	.076	.009	.0034
%RSD	.2669	.8592	84.56	.4682	1.569	.4349	97.77
#1	1.972	8.357	.0026	2.089	4.905	2.004	-.0067
#2	1.962	8.216	.0025	2.073	4.838	2.004	-.0040
#3	1.971	8.306	.0000	2.072	4.754	2.019	.0001

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0018	-.0006	.0187	2.028	5.466	.0268	1.977
SDev	.0015	.0026	.0062	.024	.021	.0090	.010
%RSD	79.42	415.9	33.06	1.196	.3833	29.75	.4977
#1	-.0033	.0024	.0125	2.003	5.488	.0184	1.984
#2	-.0006	-.0020	.0187	2.051	5.446	.0277	1.965
#3	-.0012	-.0022	.0249	2.031	5.463	.0343	1.980

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0287	.0053	-.0001	1.982	.0329	.9653	.0033
SDev	.0052	.0003	.0003	.024	.0546	.0042	.0079

%RSD	18.22	5.357	291.6	1.195	166.1	.4384	237.3
#1	.0228	.0055	.0002	2.003	-.0236	.9681	-.0012
#2	.0329	.0053	-.0001	1.987	.0853	.9604	-.0012
#3	.0304	.0049	-.0004	1.986	.0368	.9673	.0125

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0003	1.026	-.0012
SDev	.0003	.006	.0003
%RSD	125.0	.5992	27.10
#1	-.0006	1.033	-.0014
#2	.0001	1.020	-.0013
#3	-.0003	1.026	-.0008

Analysis Report Fri 02-16-96 01:00:12 PM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/16/96 12:58:53
Comment: LCS BX112 HOMOGENIZATION (BX112 CORE 118/119)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0013	.0064	.1054	.0007	.0007	-.0295
SDev	.0001	.0030	.0039	.0003	.0001	.0001	.0119
%RSD	30.68	229.9	61.09	.3060	18.84	13.31	40.36
#1	-.0002	.0018	.0066	.1050	.0009	.0007	-.0432
#2	-.0004	-.0019	.0024	.1055	.0007	.0007	-.0216
#3	-.0004	.0041	.0102	.1056	.0006	.0006	-.0237

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	.0020	.0075	-.0003	.0007	.0027	.0019
SDev	.0018	.0008	.0035	.0003	.0034	.0014	.0003
%RSD	41.58	40.46	47.08	128.7	471.5	50.74	13.37
#1	.0042	.0011	.0085	.0001	.0035	.0023	.0019
#2	.0063	.0021	.0103	-.0006	.0017	.0043	.0021
#3	.0027	.0027	.0035	-.0003	-.0030	.0017	.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0066	.0460	.0021	-.0130	-.0244	.0005
SDev	.0001	.0002	.0352	.0012	.0017	.0033	.0001
%RSD	24.94	2.728	76.38	58.63	12.99	13.61	33.05
#1	.0004	-.0065	.0844	.0024	-.0139	-.0268	.0005
#2	.0006	-.0064	.0384	.0031	-.0110	-.0206	.0003
#3	.0004	-.0068	.0153	.0007	-.0139	-.0258	.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	-.0181	.0084	.0417	.0031	.0024	.0186
SDev	.0005	.0168	.0031	.0024	.0252	.0032	.0099
%RSD	26.16	93.14	36.81	5.730	806.5	130.5	53.39
#1	.0014	-.0349	.0098	.0390	-.0248	-.0012	.0205
#2	.0024	-.0013	.0106	.0433	.0241	.0043	.0274
#3	.0021	-.0180	.0049	.0429	.0101	.0043	.0078

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0081	-.0000	.0076	-.0045	.2914	-.0122	.0014
SDev	.0045	.0059	.0059	.0107	.0118	.0354	.0002
%RSD	55.66	20930.	75.72	237.9	4.056	290.2	15.05
#1	.0082	-.0025	.0020	-.0026	.3006	-.0246	.0015
#2	.0126	.0067	.0139	.0051	.2954	-.0397	.0015
#3	.0036	-.0043	.0076	-.0160	.2781	.0277	.0012

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.0003	.0000	-.0035	.1138	.0005	.0130
SDev	.0063	.0090	.0002	.0057	.0134	.0003	.0071

%RSD	195.2	2961.	916.3	161.3	11.78	61.74	54.24
#1	.0101	-.0097	.0001	-.0085	.1137	.0006	.0153
#2	.0021	.0028	-.0002	.0027	.1005	.0007	.0187
#3	-.0025	.0078	.0002	-.0048	.1273	.0001	.0051

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0000	-.0002	-.0001
SDev	.0000	.0011	.0007
%RSD	6.736	523.0	963.8
#1	.0000	-.0013	.0006
#2	.0000	.0009	-.0001
#3	.0000	-.0002	-.0007

DATE TO QC: 03/19/96

DATA QUALITY REVIEW

I have reviewed the following data for completeness and for compliance with project requirements.

Analyte - ICP - Drainable Liquid

Data Package/Report - BX-112

Project No. - 22762

ACL Numbers - 96-2848, 96-2850

PNL ACL Quality Representative

3/20/96
Date

File: c118fctr.wk3

For reporting Drainable Liquids in ug/ml

Calculation of sample dilution factors for 96-2848 and 96-2850

	Vial g	DIW g	Sample g	Acid g
96-2848	13.1752	24.3534	27.5679	28.2652
96-2850	13.2247	24.2069	27.8023	28.503

Density	
DIW	1.00
Acid	1.40
96-2848	1.16
96-2850	1.2

	Net	Net	Net
96-2848	11.1782	3.2145	0.6973
96-2850	10.9822	3.5954	0.7007

	DIW ml	Samp ml	Acid ml	Total ml
96-2848	11.178	2.771	0.498	14.447
96-2850	10.982	2.996	0.500	14.479

96-2848	Dilution Factor:	5.214
96-2850	Dilution Factor:	4.832

MW Chu
3/13/96

Project: TWRS
Procedure: PNL-ALO-211

File: m020896a
Analyzed: 02/08/96
03/14/96

BX-112 Core 118

		118 Seg 1A			118 Seg 3					
	Sam Log#:	96-02848	96-02848		96-02850	96-02850		96-02848		
	Split#:	118.1ADL.D	118.1ADL.D		118.3DL.D	118.3DL.D		Blank		
	ICP Dil:	5.00	5.00		10.00	10.00		1.00		
	Dil Fctr:	26.1	26.1		48.3	48.3		5.0	Post Spike Recoveries	
Est. IDL ug/mL	Analyte	Sample ug/ml	Duplicate ug/ml	RPD	Sample ug/ml	Duplicate ug/ml	RPD	Batch Blk ug/ml	Spk "A"	Spk "B"
0.015	Ag	ND	ND		ND	ND		ND	92.9%	
0.060	Al	51.8	51.6	0	43.5	44.2	2	ND	92.1%	
0.080	As	ND	(2.1)		ND	ND		ND	112.5%	
0.050	B	(11.8)	(11.6)		(14.2)	(14.5)		(2.4)	92.9%	
0.010	Ba	ND	ND		ND	ND		ND	92.2%	
0.005	Be	ND	ND		ND	ND		ND	96.1%	
0.100	Bi	126.2	125.2	1	255.6	75.8	109 *	ND	91.4%	
0.250	Ca	ND	ND		ND	ND		ND	97.2%	
0.015	Cd	ND	(0.4)		ND	ND		ND	100.7%	
0.100	Ce	ND	ND		ND	ND		ND		101.0%
0.050	Co	ND	ND		ND	ND		ND	97.1%	
0.020	Cr	291.0	286.5	2	420.9	421.5	0	ND	n/a	
0.050	Cu	ND	ND		ND	ND		ND	107.0%	
0.050	Dy	ND	ND		ND	ND		ND		86.4%
0.100	Eu	ND	ND		ND	ND		ND		88.7%
0.050	Fe	24.2	23.9	1	75.2	73.0	3	ND	94.2%	
2.000	K	628.9	641.6	2	(778.3)	(825.2)		ND		
0.050	La	ND	ND		ND	ND		ND		88.7%
0.030	Li	374.8	374.3	0	35.4	36.0	2	ND	n/a	
0.100	Mg	ND	ND		ND	ND		ND	94.9%	
0.050	Mn	ND	ND		ND	ND		ND	105.6%	
0.030	Mo	25.5	25.1	2	40.0	39.6	1	ND	73.3%	
0.250	Na	71,127.1	69,955.9	2	84,104.8	86,287.3	3	(4.2)	n/a	
0.100	Nd	ND	ND		ND	ND		ND		90.8%
0.030	Ni	(2.0)	(1.7)		(2.1)	ND		(0.2)		
0.250	P	5,552.5	5,457.4	2	5,068.6	5,307.8	5	ND	n/a	
0.100	Pb	(4.8)	(4.8)		ND	ND		ND	91.4%	
0.300	Rh	ND	ND		ND	ND		ND		146.4%
0.100	Ru	(3.4)	(3.6)		(6.1)	(6.8)		ND		80.7%
0.100	Se	ND	ND		ND	ND		ND	115.6%	
0.500	Si	(37.2)	(38.5)		(38.3)	(40.4)		ND	93.8%	
0.015	Sr	ND	ND		ND	ND		ND	101.5%	
0.500	Te	ND	ND		ND	ND		ND		120.6%
0.025	Ti	ND	ND		ND	ND		ND	93.4%	
0.500	Tl	ND	ND		ND	ND		ND	95.8%	
2.000	U	(457.3)	(448.2)		(640.8)	(636.7)		ND		37.0%
0.015	V	ND	ND		ND	ND		ND	96.8%	
0.500	W	ND	ND		ND	ND		ND		131.0%
0.010	Y	ND	ND		ND	ND		ND		87.2%
0.020	Zn	(0.9)	(0.7)		(1.3)	(1.3)		ND	97.8%	
0.025	Zr	(2.1)	(1.9)		(7.7)	(6.0)		ND	92.2%	

Note:
1) Estimated Quantitation Limit (EQL) = 10x IDL; "( )" results <EQL but =>IDL.
2) Above 5 times EQL, results reportable to 2 1/2 significant digits.
3) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
4) Above 5 times EQL, precision is estimated at better than +/-20% and accuracy +/-25%.
5) "ND" = Not Detected; Estimated Sample Detection Limit (ug/mL) = (IDL in ug/mL) * (Dil Fctr)
6) If RPD flagged with "*", then RPD >20% and sample & duplicate results >EQL.
7) Spike recovery "n/a/" = spike concentration <25% of sample concentration.

Data, including calibration/QC, archived File ICP-325-405-1/0580069

Analyzed Date: 02/08/96 03/14/96 File: m020896a
Project: TWRS Reported: 03/15/96
Procedure: PNL-ALO-211 Data Page 1 of 2
ICP Data Name: 96A0069
Tank ID: BX-112 Core 118

Segment ID:		118 Seg 1A		118 Seg 3						
Sample Log#		Sample 96-02848 118.1ADL.D	Duplicate 96-02848 118.1ADL.D	Sample 96-02850 118.3DL.D	Duplicate 96-02850 118.3DL.D	96-02848 Blank	96-02848 P.S. "A"	96-02850 P.S. "B"	96-02848 PS A Base	96-02850 PS B Base
Prep Type		Acidify	Acidify	Acidify	Acidify	Acidify	Acidify	Acidify	Acidify	Acidify
Sample Vol-mL		2.771	2.771	2.996	2.996	2.884	2.771	2.996	2.771	2.996
Makeup Vol-mL		14.447	14.447	14.479	14.479	14.463	14.447	14.479	14.447	14.479
Dil: Smpl-mL										
Dil: Vol-mL										
Prep Factor		5.214	5.214	4.833	4.833	5.016	5.214	4.833	5.214	4.833
Spike ID							960130I901	960206I901		
Spike PreDil'n							2.0	2.0	2.0	2.0
ICP Dilution		5.00	5.00	10.00	10.00	1.00	1.00	1.00	5.00	10.00
Dil Fctr		26.1	26.1	48.3	48.3	5.0	1.0	1.0	1.0	1.0
Run Time		12:07	11:06	12:36	11:42	11:59	12:10	12:21	12:07	12:18
(ug/mL)	Ag	0.20	0.27	-0.07	0.16	-0.02	0.23	0.00	0.01	-0.00
	Al	51.79	51.65	43.46	44.21	0.19	9.57	4.51	1.99	0.90
	As	1.75	2.09	1.66	1.20	0.07	1.41	0.28	0.07	0.03
	B	11.84	11.58	14.18	14.54	2.42	2.06	2.26	0.45	0.29
	Ba	0.05	0.06	0.02	0.06	0.00	0.23	0.00	0.00	0.00
	Be	0.01	0.02	0.02	0.02	0.00	0.05	0.00	0.00	0.00
	Bi	126.25	125.24	255.63	75.76	-0.00	23.54	25.15	4.84	5.29
	Ca	2.47	1.75	1.41	0.81	0.10	12.15	0.23	0.09	0.03
	Cd	0.16	0.42	-0.01	-0.21	-0.01	0.25	0.01	0.01	-0.00
	Ce	1.79	2.52	1.09	2.58	-0.07	0.13	1.01	0.07	0.02
	Co	0.21	0.28	0.13	0.26	-0.00	0.49	0.01	0.01	0.00
	Cr	290.97	286.51	420.92	421.50	-0.00	27.01	39.74	11.16	8.71
	Cu	0.85	0.46	0.22	0.24	0.02	0.54	0.03	0.03	0.00
	Dy	0.12	0.21	0.04	0.23	-0.01	0.01	0.86	0.00	0.00
	Eu	0.23	0.27	0.31	0.36	-0.00	0.02	0.89	0.01	0.01
	Fe	24.19	23.85	75.25	72.99	0.02	11.74	7.20	0.93	1.56
	K	628.87	641.62	778.25	825.21	-3.19	69.88	78.48	24.12	16.10
	La	0.17	0.44	0.03	0.52	-0.02	0.01	0.44	0.01	0.00
	Li	374.76	374.30	35.38	36.02	-0.01	36.24	3.47	14.38	0.73
	Mg	-1.44	-1.19	-2.12	-0.85	-0.04	15.19	-0.15	-0.06	-0.04
	Mn	0.24	0.03	0.57	0.61	0.00	0.26	0.06	0.01	0.01
	Mo	25.46	25.07	39.99	39.63	-0.00	2.81	3.80	0.98	0.83
	Na	71127.10	69955.86	84104.82	86287.30	4.18	5018.56	6232.05	2728.50	1740.30
	Nd	0.72	1.48	0.29	1.43	-0.07	0.05	0.91	0.03	0.01
	Ni	2.05	1.72	2.06	1.42	0.21	0.59	0.16	0.08	0.04
	P	5552.53	5457.38	5068.62	5307.85	0.02	523.83	516.32	213.00	104.88
	Pb	4.80	4.83	-0.10	1.11	-0.06	1.60	0.16	0.18	-0.00
	Rh	3.84	4.25	5.30	6.43	-0.07	0.30	1.46	0.15	0.11
	Ru	3.40	3.59	6.07	6.85	-0.01	0.30	1.43	0.13	0.13
	Se	2.26	2.50	2.45	3.99	-0.04	1.45	0.28	0.09	0.05
	Si	37.21	38.51	38.35	40.42	0.33	12.95	14.35	1.43	0.79
	Sr	0.25	0.25	0.23	0.24	0.00	0.25	0.02	0.01	0.00
	Te	2.68	2.60	2.28	2.97	0.01	0.25	1.21	0.10	0.05
	Ti	0.04	0.09	0.03	0.08	-0.00	0.47	0.01	0.00	0.00
	Tl	0.78	1.14	0.61	1.16	-0.02	1.20	0.07	0.03	0.01
	U	457.26	448.20	640.76	636.66	-1.34	41.43	70.92	17.54	13.26
	V	0.30	0.39	0.18	0.33	-0.01	0.48	0.02	0.01	0.00
	W	3.16	2.93	3.96	3.99	-0.03	0.26	1.31	0.12	0.08
	Y	0.05	0.06	0.02	0.09	-0.00	0.00	0.44	0.00	0.00
	Zn	0.93	0.70	1.27	1.32	0.07	0.58	0.13	0.04	0.03
(ug/mL)	Zr	2.11	1.89	7.72	6.02	-0.02	1.13	0.74	0.08	0.16

Template: TC-KOH-2 ICP RAW DATA -- IEC Corrected m020896a

Analyzed: 02/08/96 03/14/96 BX-112 Core 118 Raw Data
Project: TWRS Data Page 2 of 2
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: Danny Sanchez 3/4/96 Reviewer: MW Wu 3/25/96

Notes: 2848 Na & P @25x times 5, Dup Na & P @50 times 10
2850 Na and P @30x time 3, Dup Na @50x times 5
Samples, blank, post spikes analyszed on 2/8/96
Duplicates analyzed on 3/14/96

Sample ID:		96-02848	96-02848	96-02850	96-02850	96-02848	96-02848	96-02850	PS Bases		Post Spikes	
Split ID:		118.1ADL.D	118.1ADL.D	118.3DL.D	118.3DL.D	Blank	P.S. "A"	P.S. "B"	"A"	"B"	"A"	"B"
Run Time:		12:07	11:06	12:36	11:42	11:59	12:10	12:21	12:07	12:18	ug/mL	ug/mL
(ug/mL)	Ag	0.008	0.010	-0.002	0.003	-0.004	0.232	0.004	0.008	-0.002	0.500	
	Al	1.987	1.981	0.899	0.915	0.037	9.573	4.508	1.987	0.899	10.000	
	As	0.067	0.080	0.034	0.025	0.013	1.407	0.281	0.067	0.034	2.500	
	B	0.454	0.444	0.294	0.301	0.483	2.064	2.263	0.454	0.294	2.000	
	Ba	0.002	0.002	0.000	0.001	0.000	0.230	0.004	0.002	0.000	0.500	
	Be	0.001	0.001	0.000	0.000	0.000	0.048	0.002	0.001	0.000	0.100	
	Bi	4.843	4.804	5.289	1.568	-0.001	23.537	25.152	4.843	5.289	25.000	
	Ca	0.095	0.067	0.029	0.017	0.020	12.149	0.229	0.095	0.029	25.000	
	Cd	0.006	0.016	-0.000	-0.004	-0.002	0.252	0.014	0.006	-0.000	0.500	
	Ce	0.069	0.096	0.023	0.053	-0.015	0.133	1.010	0.069	0.023		2.000
	Co	0.008	0.011	0.003	0.005	-0.001	0.485	0.013	0.008	0.003	1.000	
	Cr	11.162	10.991	8.710	8.722	-0.000	27.010	39.743	11.162	8.710	1.000	
	Cu	0.033	0.018	0.004	0.005	0.003	0.535	0.033	0.033	0.004	1.000	
	Dy	0.005	0.008	0.001	0.005	-0.002	0.006	0.864	0.005	0.001		2.000
	Eu	0.009	0.010	0.006	0.008	-0.001	0.021	0.887	0.009	0.006		2.000
	Fe	0.928	0.915	1.557	1.510	0.005	11.740	7.197	0.928	1.557	20.000	
	K	24.124	24.613	16.104	17.075	-0.637	69.880	78.482	24.124	16.104		
	La	0.007	0.017	0.001	0.011	-0.004	0.010	0.443	0.007	0.001		1.000
	Li	14.376	14.359	0.732	0.745	-0.001	36.238	3.473	14.376	0.732	2.000	
	Mg	-0.055	-0.046	-0.044	-0.018	-0.008	15.190	-0.148	-0.055	-0.044	32.000	
	Mn	0.009	0.001	0.012	0.013	0.000	0.264	0.056	0.009	0.012	0.500	
	Mo	0.977	0.962	0.827	0.820	-0.001	2.808	3.805	0.977	0.827	1.000	
	Na	2728.500	2683.570	1740.300	1785.460	0.834	5018.556	6232.051	2728.5	1740.3	36.700	
	Nd	0.028	0.057	0.006	0.030	-0.014	0.046	0.908	0.028	0.006		2.000
	Ni	0.079	0.066	0.043	0.029	0.042	0.595	0.164	0.079	0.043		
	P	213.000	209.350	104.880	109.830	0.004	523.826	516.324	213.000	104.880	5.000	
	Pb	0.184	0.185	-0.002	0.023	-0.012	1.602	0.163	0.184	-0.002	2.500	
	Rh	0.147	0.163	0.110	0.133	-0.014	0.304	1.464	0.147	0.110		2.000
	Ru	0.130	0.138	0.126	0.142	-0.003	0.299	1.434	0.130	0.126		2.000
	Se	0.087	0.096	0.051	0.083	-0.007	1.445	0.279	0.087	0.051	2.500	
	Si	1.427	1.477	0.794	0.836	0.066	12.949	14.349	1.427	0.794	20.000	
	Sr	0.009	0.010	0.005	0.005	0.000	0.254	0.023	0.009	0.005	0.500	
	Te	0.103	0.100	0.047	0.061	0.002	0.247	1.206	0.103	0.047		2.000
	Ti	0.002	0.004	0.001	0.002	-0.001	0.467	0.007	0.002	0.001	1.000	
	Tl	0.030	0.044	0.013	0.024	-0.004	1.197	0.075	0.030	0.013	2.500	
	U	17.541	17.193	13.259	13.174	-0.267	41.428	70.916	17.541	13.259		25.000
	V	0.012	0.015	0.004	0.007	-0.001	0.484	0.024	0.012	0.004	1.000	
	W	0.121	0.113	0.082	0.082	-0.007	0.261	1.310	0.121	0.082		2.000
	Y	0.002	0.002	0.000	0.002	-0.001	0.003	0.436	0.002	0.000		1.000
	Zn	0.036	0.027	0.026	0.027	0.013	0.578	0.133	0.036	0.026	1.000	
(ug/mL)	Zr	0.081	0.073	0.160	0.125	-0.004	1.125	0.736	0.081	0.160	2.000	

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC CCV1 96012	V1 960126H901
										A0069	A0069
										2/8/96	2/8/96
Statistical Summary for 'QC CCV1 960126H901'										11:42	12:56
(HPS:CCV-1)										CONC	CONC
	TRUE	**N**	**Average**	**S.Dev**	**%RSD**	**Bias**	**Bias**	*High*	*Low*	565	612
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)
Ag		2	-0.003	0.002	-77					-0.001	-0.005
Al	2.000	2	1.947	0.012	1	-0.053	-2.6			1.939	1.956
As	2.000	2	1.997	0.000	0	-0.003	-0.1			1.997	1.997
B	2.000	2	2.034	0.023	1	0.034	1.7			2.018	2.050
Ba	1.000	2	0.973	0.011	1	-0.027	-2.7			0.965	0.981
Be	1.000	2	1.004	0.006	1	0.004	0.4			1.000	1.009
Bi	2.000	2	1.943	0.013	1	-0.057	-2.9			1.934	1.952
Ca	2.000	2	2.003	0.008	0	0.003	0.2			1.998	2.008
Cd	1.000	2	1.000	0.005	0	0.000	0.0			0.996	1.003
Ce		2	-0.011	0.015	-138					0.000	-0.022
Co	1.000	2	1.010	0.006	1	0.010	1.0			1.005	1.014
Cr	0.500	2	0.498	0.002	0	-0.002	-0.3			0.497	0.500
Cu	2.000	2	1.950	0.013	1	-0.050	-2.5			1.941	1.959
Dy		2	-0.001	0.003	-405					0.001	-0.003
Eu		2	0.000	0.001	-1713					0.001	-0.001
Fe	2.000	2	2.011	0.014	1	0.011	0.6			2.001	2.021
K	5.000	2	4.309	0.512	12	-0.691	-13.8			4.671	3.947
La		2	-0.002	0.004	-219					0.001	-0.004
Li	2.000	2	1.957	0.031	2	-0.043	-2.2			1.935	1.978
Mg	2.000	2	2.071	0.022	1	0.071	3.6			2.056	2.087
Mn	1.000	2	1.029	0.008	1	0.029	2.9			1.023	1.034
Mo	2.000	2	1.967	0.018	1	-0.033	-1.6			1.955	1.980
Na	8.100	2	8.292	0.074	1	0.192	2.4			8.240	8.345
Nd		2	-0.007	0.018	-266					0.006	-0.019
Ni	2.000	2	2.055	0.014	1	0.055	2.8			2.045	2.065
P	5.000	2	4.834	0.001	0	-0.166	-3.3			4.833	4.835
Pb	2.000	2	2.002	0.002	0	0.002	0.1			2.001	2.003
Pd		2	-0.003	0.049	-1438					0.031	-0.038
Rh		2	-0.004	0.026	-741					0.015	-0.022
Ru		2	0.000	0.006	1989					0.005	-0.004
Sb		2	0.013	0.012	95					0.022	0.004
Se	2.000	2	1.958	0.018	1	-0.042	-2.1			1.946	1.971
Si	5.000	2	4.741	0.052	1	-0.259	-5.2			4.705	4.778
Sn		2	0.021	0.064	307					0.066	-0.024
Sr	2.000	2	1.971	0.030	2	-0.029	-1.5			1.949	1.992
Te		2	0.020	0.015	73					0.031	0.010
Th		2	0.008	0.003	35					0.006	0.010
Ti		2	0.000	0.001	-330					0.001	-0.001
Tl	2.000	2	1.919	0.008	0	-0.081	-4.1			1.925	1.913
U		2	-0.132	0.247	-187					0.043	-0.306
V	1.000	2	0.943	0.009	1	-0.057	-5.7			0.937	0.949
W		2	0.011	0.015	135					0.022	0.001
Y		2	0.000	0.001	-199					0.000	-0.001
Zn	1.000	2	1.005	0.012	1	0.005	0.5			0.997	1.014
Zr		2	-0.002	0.002	-96					-0.001	-0.004
TIME		2	#######	0.000	0					########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVA 9601	C_MCVA 960130I901
										A0069	A0069
										2/8/96	2/8/96
Statistical Summary for 'QC_MCVA 960103I901'										11:23	12:37
(QC-MCVA)										CONC	CONC
	TRUE	**N**	**Average**	**S.Dev**	**%RSD**	**Bias**	**Bias**	**High**	**Low**	1035	1082
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)
Ag	0.500	2	0.487	0.006	1	-0.013	-2.6			0.482	0.491
Al	10.000	2	9.862	0.195	2	-0.138	-1.4			9.724	10.000
As	2.500	2	2.481	0.029	1	-0.019	-0.8			2.460	2.502
B	2.000	2	2.045	0.035	2	0.045	2.2			2.020	2.069
Ba	0.500	2	0.489	0.010	2	-0.011	-2.3			0.482	0.495
Be	0.100	2	0.097	0.001	1	-0.003	-2.9			0.096	0.098
Bi	25.000	2	24.206	0.358	1	-0.794	-3.2			23.953	24.459
Ca	25.000	2	25.065	0.408	2	0.065	0.3			24.777	25.354
Cd	0.500	2	0.491	0.010	2	-0.009	-1.9			0.484	0.497
Ce		2	-0.008	0.013	-152					0.001	-0.017
Co	1.000	2	0.995	0.018	2	-0.005	-0.5			0.982	1.007
Cr	1.000	2	0.995	0.020	2	-0.005	-0.5			0.981	1.009
Cu	1.000	2	0.933	0.014	1	-0.067	-6.7			0.923	0.943
Dy		2	-0.001	0.002	-179					0.000	-0.002
Eu		2	0.002	0.000	27					0.002	0.001
Fe	20.000	2	20.109	0.346	2	0.109	0.5			19.864	20.354
K	25.000	2	23.703	0.006	0	-1.297	-5.2			23.699	23.707
La		2	0.000	0.002	820					0.001	-0.001
Li	2.000	2	1.934	0.027	1	-0.066	-3.3			1.915	1.953
Mg	31.200	2	32.389	0.534	2	1.189	3.8			32.012	32.767
Mn	0.500	2	0.510	0.009	2	0.010	2.0			0.504	0.516
Mo	1.000	2	0.997	0.017	2	-0.003	-0.3			0.984	1.009
Na	36.700	2	36.179	0.741	2	-0.521	-1.4			35.655	36.703
Nd		2	-0.001	0.010	-936					0.006	-0.008
Ni	1.000	2	0.993	0.019	2	-0.007	-0.7			0.980	1.007
P	5.000	2	4.867	0.049	1	-0.133	-2.7			4.832	4.901
Pb	2.500	2	2.484	0.029	1	-0.016	-0.6			2.463	2.505
Pd		2	-0.024	0.030	-125					-0.003	-0.045
Rh		2	-0.007	0.015	-223					0.004	-0.018
Ru		2	0.006	0.000	5					0.006	0.005
Sb	2.500	2	2.723	0.055	2	0.223	8.9	+		2.684	2.762
Se	2.500	2	2.503	0.036	1	0.003	0.1			2.477	2.528
Si	20.000	2	18.744	0.325	2	-1.256	-6.3			18.514	18.974
Sn		2	0.112	0.038	34					0.139	0.085
Sr	0.500	2	0.497	0.011	2	-0.003	-0.5			0.489	0.505
Te		2	0.047	0.004	8					0.050	0.044
Th		2	0.029	0.001	2					0.029	0.030
Ti	1.000	2	0.977	0.020	2	-0.023	-2.3			0.963	0.991
Tl	2.500	2	2.427	0.016	1	-0.073	-2.9			2.416	2.439
U		2	0.041	0.152	371					0.148	-0.066
V	1.000	2	0.963	0.017	2	-0.037	-3.7			0.951	0.975
W		2	0.038	0.000	0					0.038	0.037
Y		2	0.001	0.001	66					0.001	0.001
Zn	1.000	2	0.993	0.023	2	-0.007	-0.7			0.976	1.010
Zr	2.000	2	1.964	0.043	2	-0.036	-1.8			1.933	1.995
TIME		2	#######	0.000	0					########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVB 9602	CVB 960206I901
										A0069	A0069
										2/8/96	2/8/96
Statistical Summary for 'QC_MCVB 960206I901'										11:27	12:40
(QC-MCVB)										CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1129	1176
	(ug/mL)		*(ug/mL)*	*(ug/mL)*	*(%)*	*(ug/mL)*	*(%)*	*(>110%)*	*(<90%)*	*(ug/mL)*	*(ug/mL)*
Ag		2	-0.008	0.002	-27					-0.006	-0.009
Al		2	0.621	0.007	1					0.616	0.626
As		2	0.299	0.004	1					0.301	0.296
B		2	1.991	0.004	0					1.988	1.994
Ba		2	0.002	0.000	18					0.002	0.002
Be		2	0.001	0.000	13					0.001	0.001
Bi		2	0.063	0.010	15					0.070	0.057
Ca		2	0.015	0.005	33					0.019	0.012
Cd		2	0.001	0.002	152					0.000	0.002
Ce	2.000	2	1.929	0.001	0	-0.071	-3.5			1.930	1.928
Co		2	-0.002	0.002	-67					-0.001	-0.004
Cr		2	0.005	0.000	6					0.006	0.005
Cu		2	0.028	0.010	35					0.035	0.021
Dy	2.000	2	1.911	0.013	1	-0.089	-4.5			1.902	1.920
Eu	2.000	2	1.926	0.013	1	-0.074	-3.7			1.917	1.936
Fe		2	0.006	0.004	63					0.009	0.003
K		2	-1.349	0.461	-34					-1.022	-1.675
La	1.000	2	0.947	0.003	0	-0.053	-5.3			0.945	0.948
Li		2	-0.002	0.001	-97					0.000	-0.003
Mg		2	-0.123	0.004	-3					-0.121	-0.126
Mn		2	0.001	0.000	52					0.001	0.000
Mo		2	0.007	0.001	14					0.008	0.006
Na		2	1.452	0.016	1					1.463	1.441
Nd	2.000	2	1.893	0.001	0	-0.107	-5.3			1.892	1.894
Ni		2	0.028	0.007	26					0.023	0.034
P		2	0.109	0.010	9					0.116	0.102
Pb		2	0.233	0.016	7					0.244	0.221
Pd	2.000	2	2.408	0.007	0	0.408	20.4	+		2.403	2.413
Rh	2.000	2	2.003	0.003	0	0.003	0.1			2.005	2.000
Ru	2.000	2	1.944	0.005	0	-0.056	-2.8			1.947	1.940
Sb		2	0.114	0.013	11					0.123	0.105
Se		2	0.063	0.003	5					0.065	0.061
Si		2	20.668	0.039	0					20.640	20.695
Sn	2.000	2	1.756	0.069	4	-0.244	-12.2		-	1.805	1.707
Sr		2	0.002	0.000	5					0.003	0.002
Te	2.000	2	1.994	0.016	1	-0.006	-0.3			2.006	1.983
Th	5.000	2	5.174	0.012	0	0.174	3.5			5.166	5.183
Ti		2	0.005	0.001	16					0.006	0.004
Tl		2	0.013	0.012	94					0.021	0.004
U	25.000	2	23.809	0.085	0	-1.191	-4.8			23.869	23.749
V		2	-0.002	0.002	-122					0.000	-0.003
W	2.000	2	1.991	0.001	0	-0.009	-0.4			1.991	1.992
Y	1.000	2	0.950	0.002	0	-0.050	-5.0			0.949	0.951
Zn		2	0.003	0.001	22					0.004	0.003
Zr		2	-0.007	0.002	-35					-0.005	-0.009
TIME		2	########	0.000	0					########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_SRM-1643d	M-1643d 108518	
										A0069	A0069	
										2/8/96	2/8/96	
Statistical Summary for 'QC_SRM-1643d 108518'										11:38	12:52	
(NIST:SRM1643d)										CONC	CONC	
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1223	1270	
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	
Ag	0.001	2	-0.003	0.003	-95	-0.004	-313.4		-	-0.001	-0.005	
Al	0.128	2	0.124	0.013	11	-0.004	-3.0		-	0.133	0.114	
As	0.056	2	0.065	0.009	14	0.009	16.5	+		0.072	0.059	
B	0.145	2	0.145	0.003	2	0.000	0.3			0.147	0.143	
Ba	0.507	2	0.507	0.007	1	0.000	0.1			0.502	0.512	
Be	0.013	2	0.012	0.000	0	0.000	-1.3			0.012	0.012	
Bi	0.013	2	0.034	0.006	18	0.021	164.3	+		0.030	0.039	
Ca	31.050	2	31.324	0.199	1	0.274	0.9			31.184	31.465	
Cd	0.006	2	0.005	0.000	3	-0.002	-29.2		-	0.004	0.005	
Ce		2	-0.007	0.023	-318					0.009	-0.023	
Co	0.025	2	0.025	0.002	8	0.000	-0.6			0.026	0.023	
Cr	0.019	2	0.021	0.001	3	0.002	9.1	+		0.021	0.020	
Cu	0.021	2	0.016	0.004	26	-0.004	-21.0		-	0.019	0.013	
Dy		2	-0.001	0.003	-293					0.001	-0.003	
Eu		2	0.001	0.001	148					0.001	0.000	
Fe	0.091	2	0.085	0.002	2	-0.006	-6.7			0.086	0.084	
K	2.356	2	1.848	0.578	31	-0.508	-21.6		-	2.257	1.439	
La		2	0.001	0.004	327					0.004	-0.002	
Li	0.017	2	0.018	0.002	14	0.002	10.0	+		0.020	0.016	
Mg	7.989	2	8.486	0.065	1	0.497	6.2			8.440	8.532	
Mn	0.038	2	0.039	0.000	0	0.002	4.9			0.040	0.039	
Mo	0.113	2	0.111	0.001	1	-0.002	-1.9			0.111	0.110	
Na	22.070	2	21.790	0.389	2	-0.280	-1.3			21.515	22.065	
Nd		2	0.005	0.021	448					0.019	-0.010	
Ni	0.058	2	0.122	0.001	0	0.064	109.8	+		0.122	0.121	
P		2	0.019	0.001	5					0.020	0.019	
Pb	0.018	2	0.008	0.027	330	-0.010	-54.4	+	-	0.028	-0.011	
Pd		2	-0.012	0.048	-381					0.021	-0.046	
Rh		2	0.000	0.026	-58218					0.018	-0.019	
Ru		2	-0.003	0.008	-321					0.003	-0.008	
Sb	0.054	2	0.056	0.011	19	0.002	4.3	+		0.064	0.049	
Se	0.011	2	0.006	0.012	199	-0.005	-46.7	+	-	0.015	-0.002	
Si	2.700	2	2.717	0.019	1	0.017	0.6			2.704	2.731	
Sn		2	-0.022	0.070	-320					0.028	-0.072	
Sr	0.295	2	0.297	0.005	2	0.002	0.7			0.293	0.301	
Te	0.001	2	0.003	0.011	419	0.002	162.0	+	-	0.010	-0.005	
Th		2	-0.009	0.000	-1					-0.009	-0.009	
Ti		2	0.000	0.001	2718					0.001	-0.001	
Tl	0.007	2	0.008	0.017	199	0.001	15.6	+	-	0.020	-0.003	
U		2	0.106	0.302	287					0.319	-0.108	
V	0.035	2	0.033	0.002	5	-0.003	-7.3		-	0.034	0.031	
W		2	0.002	0.002	84					0.004	0.001	
Y		2	0.000	0.001	252					0.001	0.000	
Zn	0.072	2	0.074	0.001	1	0.002	2.7			0.075	0.074	
Zr		2	-0.001	0.002	-157					0.000	-0.003	
TIME		2	########	0.000	0					########	########	

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										ICP1.0 960103	.0 960103	.0 960103	.0 960103
										A0069	A0069	A0069	A0069
										2/8/96	2/8/96	2/8/96	2/8/96
Statistical Summary for 'ICP1.0 960103F100'										10:23	11:22	11:46	13:00
										CONC	CONC	CONC	CONC
(ICP1.0 "Blank")										330	377	424	471
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*				
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		4	0.002	0.008	343					0.014	0.002	-0.002	-0.004
Al		4	0.010	0.009	97					0.023	0.006	0.007	0.002
As		4	0.007	0.008	126					0.017	0.008	0.005	-0.003
B		4	0.001	0.002	155					0.003	0.001	0.001	-0.001
Ba		4	0.000	0.001	274					0.001	0.000	0.000	0.000
Be		4	0.000	0.000	58					0.000	0.000	0.000	0.000
Bi		4	-0.003	0.008	-257					-0.009	0.003	0.004	-0.010
Ca		4	-0.003	0.007	-237					0.008	-0.006	-0.006	-0.008
Cd		4	-0.001	0.003	-416					0.003	-0.004	-0.002	0.000
Ce		4	0.004	0.020	560					0.032	0.001	-0.004	-0.014
Co		4	0.000	0.001	370					0.002	0.000	0.000	-0.001
Cr		4	-0.001	0.001	-109					-0.001	0.000	-0.001	-0.001
Cu		4	0.002	0.001	65					0.003	0.002	0.004	0.000
Dy		4	0.001	0.002	223					0.004	0.001	0.000	-0.001
Eu		4	0.000	0.001	202					0.002	0.000	0.000	0.000
Fe		4	-0.008	0.004	-46					-0.003	-0.009	-0.009	-0.011
K		4	0.037	0.637	1729					0.887	0.047	-0.142	-0.645
La		4	0.002	0.005	251					0.009	0.001	0.000	-0.002
Li		4	0.001	0.003	426					0.004	0.001	0.000	-0.002
Mg		4	-0.015	0.003	-22					-0.011	-0.014	-0.014	-0.019
Mn		4	0.000	0.000	156					0.001	0.000	0.000	0.000
Mo		4	0.001	0.002	180					0.003	0.000	0.000	0.000
Na		4	0.025	0.065	259					0.077	0.084	-0.019	-0.041
Nd		4	0.006	0.018	306					0.031	0.005	-0.001	-0.011
Ni		4	0.021	0.025	121					-0.003	0.001	0.041	0.045
P		4	0.019	0.007	38					0.024	0.026	0.015	0.011
Pb		4	-0.003	0.017	-515					0.020	-0.003	-0.011	-0.019
Pd		4	0.030	0.051	169					0.101	0.019	0.019	-0.019
Rh		4	0.010	0.019	193.					0.037	0.006	0.004	-0.008
Ru		4	0.002	0.006	301					0.010	0.001	0.000	-0.003
Sb		4	0.004	0.008	220					0.015	0.005	0.002	-0.006
Se		4	0.003	0.006	196					0.011	0.001	0.001	-0.001
Si		4	0.009	0.049	551					0.081	-0.004	-0.017	-0.025
Sn		4	0.015	0.049	322					0.072	0.024	0.010	-0.046
Sr		4	0.000	0.000	159					0.001	0.000	0.000	0.000
Te		4	0.011	0.011	95					0.026	0.006	0.012	0.001
Th		4	-0.001	0.002	-200					-0.004	-0.001	0.000	0.000
Ti		4	0.000	0.001	12017					0.002	0.000	0.000	-0.001
Tl		4	0.001	0.006	708					0.001	0.009	0.001	-0.007
U		4	0.070	0.303	434					0.493	0.032	-0.020	-0.226
V		4	0.000	0.002	-5780					0.002	0.000	0.000	-0.002
W		4	0.003	0.007	235					0.007	0.006	0.006	-0.007
Y		4	0.000	0.001	447					0.002	0.000	0.000	-0.001
Zn		4	0.000	0.001	-244					0.001	0.000	-0.001	-0.001
Zr		4	0.000	0.002	-492					0.003	-0.001	-0.001	-0.003
TIME		4	########	0.000	0					########	########	########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC MCVA @2			
										A0069			
										2/8/96			
Statistical Summary for 'QC MCVA @2'										12:12			
(MCVA @2 Post Digestion Spike)										CONC			
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	659			
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)			
Ag	0.250	1	0.244	#DIV/0!	######	-0.006	-2.4			0.244			
Al	5.000	1	5.001	#DIV/0!	######	0.001	0.0			5.001			
As	1.250	1	1.271	#DIV/0!	######	0.021	1.7			1.271			
B	1.000	1	1.049	#DIV/0!	######	0.049	4.9			1.049			
Ba	0.250	1	0.249	#DIV/0!	######	-0.001	-0.6			0.249			
Be	0.050	1	0.049	#DIV/0!	######	-0.001	-1.0			0.049			
Bi	12.500	1	12.280	#DIV/0!	######	-0.220	-1.8			12.280			
Ca	12.500	1	12.790	#DIV/0!	######	0.290	2.3			12.790			
Cd	0.250	1	0.257	#DIV/0!	######	0.007	2.7			0.257			
Ce		1	-0.009	#DIV/0!	######					-0.009			
Co	0.500	1	0.508	#DIV/0!	######	0.008	1.6			0.508			
Cr	0.500	1	0.509	#DIV/0!	######	0.009	1.9			0.509			
Cu	0.500	1	0.470	#DIV/0!	######	-0.030	-5.9			0.470			
Dy		1	-0.001	#DIV/0!	######					-0.001			
Eu		1	0.001	#DIV/0!	######					0.001			
Fe	10.000	1	10.265	#DIV/0!	######	0.265	2.7			10.265			
K	12.500	1	11.567	#DIV/0!	######	-0.933	-7.5			11.567			
La		1	-0.001	#DIV/0!	######					-0.001			
Li	1.000	1	0.985	#DIV/0!	######	-0.015	-1.5			0.985			
Mg	15.600	1	16.610	#DIV/0!	######	1.010	6.5			16.610			
Mn	0.250	1	0.261	#DIV/0!	######	0.011	4.3			0.261			
Mo	0.500	1	0.511	#DIV/0!	######	0.011	2.1			0.511			
Na	18.350	1	18.523	#DIV/0!	######	0.173	0.9			18.523			
Nd		1	-0.007	#DIV/0!	######					-0.007			
Ni	0.500	1	0.524	#DIV/0!	######	0.024	4.7			0.524			
P	2.500	1	2.515	#DIV/0!	######	0.015	0.6			2.515			
Pb	1.250	1	1.272	#DIV/0!	######	0.022	1.8			1.272			
Pd		1	-0.021	#DIV/0!	######					-0.021			
Rh		1	-0.006	#DIV/0!	######					-0.006			
Ru		1	0.000	#DIV/0!	######					0.000			
Sb	1.250	1	1.388	#DIV/0!	######	0.138	11.1	*		1.388			
Se	1.250	1	1.276	#DIV/0!	######	0.026	2.1			1.276			
Si	10.000	1	9.582	#DIV/0!	######	-0.418	-4.2			9.582			
Sn		1	0.036	#DIV/0!	######					0.036			
Sr	0.250	1	0.253	#DIV/0!	######	0.003	1.3			0.253			
Te		1	0.016	#DIV/0!	######					0.016			
Th		1	0.014	#DIV/0!	######					0.014			
Ti	0.500	1	0.497	#DIV/0!	######	-0.003	-0.7			0.497			
Tl	1.250	1	1.229	#DIV/0!	######	-0.021	-1.7			1.229			
U		1	-0.044	#DIV/0!	######					-0.044			
V	0.500	1	0.490	#DIV/0!	######	-0.010	-2.0			0.490			
W		1	0.013	#DIV/0!	######					0.013			
Y		1	0.000	#DIV/0!	######					0.000			
Zn	0.500	1	0.516	#DIV/0!	######	0.016	3.3			0.516			
Zr	1.000	1	0.997	#DIV/0!	######	-0.003	-0.3			0.997			
TIME		1	########	#DIV/0!	######					########			

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC MCVB @2			
										A0069			
										2/8/96			
Statistical Summary for 'QC MCVB @2'										12:33			
(MCVB @2 Post Digestion Spike)										CONC			
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	706			
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)			
Ag		1	-0.007	#DIV/0!	######					-0.007			
Al		1	0.324	#DIV/0!	######					0.324			
As		1	0.156	#DIV/0!	######					0.156			
B		1	1.035	#DIV/0!	######					1.035			
Ba		1	0.001	#DIV/0!	######					0.001			
Be		1	0.000	#DIV/0!	######					0.000			
Bi		1	0.009	#DIV/0!	######					0.009			
Ca		1	0.008	#DIV/0!	######					0.008			
Cd		1	0.000	#DIV/0!	######					0.000			
Ce	1.000	1	0.986	#DIV/0!	######	-0.014	-1.4			0.986			
Co		1	-0.002	#DIV/0!	######					-0.002			
Cr		1	0.003	#DIV/0!	######					0.003			
Cu		1	0.010	#DIV/0!	######					0.010			
Dy	1.000	1	0.987	#DIV/0!	######	-0.013	-1.3			0.987			
Eu	1.000	1	0.996	#DIV/0!	######	-0.004	-0.4			0.996			
Fe		1	-0.004	#DIV/0!	######					-0.004			
K		1	-1.148	#DIV/0!	######					-1.148			
La	0.500	1	0.488	#DIV/0!	######	-0.012	-2.3			0.488			
Li		1	-0.002	#DIV/0!	######					-0.002			
Mg		1	-0.072	#DIV/0!	######					-0.072			
Mn		1	0.000	#DIV/0!	######					0.000			
Mo		1	0.003	#DIV/0!	######					0.003			
Na		1	0.899	#DIV/0!	######					0.899			
Nd	1.000	1	0.970	#DIV/0!	######	-0.030	-3.0			0.970			
Ni		1	0.020	#DIV/0!	######					0.020			
P		1	0.095	#DIV/0!	######					0.095			
Pb		1	0.106	#DIV/0!	######					0.106			
Pd	1.000	1	1.221	#DIV/0!	######	0.221	22.1	+		1.221			
Rh	1.000	1	1.033	#DIV/0!	######	0.033	3.3			1.033			
Ru	1.000	1	1.009	#DIV/0!	######	0.009	0.9			1.009			
Sb		1	0.052	#DIV/0!	######					0.052			
Se		1	0.032	#DIV/0!	######					0.032			
Si		1	10.265	#DIV/0!	######					10.265			
Sn	1.000	1	0.884	#DIV/0!	######	-0.116	-11.6		-	0.884			
Sr		1	0.001	#DIV/0!	######					0.001			
Te	1.000	1	1.027	#DIV/0!	######	0.027	2.7			1.027			
Th	3.400	1	2.702	#DIV/0!	######	-0.698	-20.5		-	2.702			
Ti		1	0.002	#DIV/0!	######					0.002			
Tl		1	-0.002	#DIV/0!	######					-0.002			
U	12.500	1	12.065	#DIV/0!	######	-0.435	-3.5			12.065			
V		1	-0.002	#DIV/0!	######					-0.002			
W	1.000	1	1.013	#DIV/0!	######	0.013	1.3			1.013			
Y	0.500	1	0.491	#DIV/0!	######	-0.009	-1.8			0.491			
Zn		1	0.001	#DIV/0!	######					0.001			
Zr		1	-0.007	#DIV/0!	######					-0.007			
TIME		1	#######	#DIV/0!	######					########			

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC SSTMCV 951	MCV 951208I903
										A0069	A0069
										2/8/96	2/8/96
Statistical Summary for 'QC MCVB @2'										11:34	12:48
("QC-SSTMCV" SST Midrange Cal. Check Std.)										CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	847	894
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)
Ag	0.500	2	0.500	0.002	0	0.000	-0.1			0.498	0.501
Al	5.000	2	4.990	0.034	1	-0.010	-0.2			4.966	5.014
As	2.000	2	2.010	0.008	0	0.010	0.5			2.016	2.005
B		2	0.000	0.004	2796					0.003	-0.002
Ba	0.100	2	0.100	0.001	1	0.000	-0.3			0.099	0.100
Be	0.100	2	0.100	0.000	0	0.000	0.3			0.100	0.101
Bi	1.500	2	1.569	0.010	1	0.069	4.6			1.576	1.562
Ca	1.000	2	1.026	0.011	1	0.026	2.6			1.034	1.019
Cd	0.200	2	0.196	0.001	1	-0.004	-2.0			0.197	0.195
Ce		2	-0.017	0.016	-92					-0.006	-0.029
Co		2	-0.003	0.003	-77					-0.002	-0.005
Cr	0.300	2	0.306	0.003	1	0.006	1.9			0.303	0.308
Cu		2	-0.002	0.004	-261					0.001	-0.005
Dy		2	-0.002	0.002	-137					0.000	-0.004
Eu		2	0.006	0.001	13					0.007	0.006
Fe	0.500	2	0.524	0.007	1	0.024	4.8			0.529	0.519
K	50.000	2	49.015	0.172	0	-0.985	-2.0			49.137	48.893
La		2	-0.001	0.006	-751					0.003	-0.005
Li		2	0.000	0.001	613					0.001	-0.001
Mg		2	-0.113	0.006	-5					-0.109	-0.118
Mn	0.100	2	0.104	0.000	0	0.004	4.1			0.104	0.104
Mo		2	0.003	0.001	46					0.004	0.002
Na	5.000	2	5.033	0.054	1	0.033	0.7			4.996	5.071
Nd		2	-0.014	0.017	-122					-0.002	-0.027
Ni	0.500	2	0.614	0.006	1	0.114	22.8	+		0.618	0.610
P	4.000	2	3.987	0.073	2	-0.013	-0.3			4.039	3.935
Pb	3.000	2	3.015	0.017	1	0.015	0.5			3.027	3.003
Pd		2	0.007	0.055	743					0.046	-0.032
Rh		2	-0.008	0.021	-269					0.007	-0.022
Ru		2	-0.010	0.008	-87					-0.004	-0.016
Sb	2.000	2	2.246	0.004	0	0.246	12.3	+		2.249	2.243
Se	2.500	2	2.532	0.006	0	0.032	1.3			2.536	2.527
Si	3.000	2	2.886	0.008	0	-0.114	-3.8			2.880	2.892
Sn		2	-0.023	0.068	-291					0.025	-0.071
Sr		2	0.001	0.000	19					0.001	0.001
Te		2	0.005	0.020	381					0.019	-0.009
Th		2	-0.034	0.002	-7					-0.036	-0.032
Ti		2	-0.002	0.001	-77					-0.001	-0.002
Tl		2	0.002	0.009	365					0.009	-0.004
U	20.000	2	19.908	0.085	0	-0.092	-0.5			19.968	19.849
V	0.500	2	0.493	0.001	0	-0.007	-1.4			0.492	0.493
W		2	0.027	0.013	47					0.036	0.018
Y		2	-0.001	0.001	-69					0.000	-0.001
Zn		2	0.000	0.000	311					0.000	0.000
Zr	0.500	2	0.504	0.003	1	0.004	0.8			0.502	0.507
TIME	10000	2	#######	0.000	0	0.000	0.0			########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC SSTA 9512	STA 951208I902	
										A0069	A0069	
										2/8/96	2/8/96	
Statistical Summary for 'QC SSTA 951208I902'										11:31	12:45	
("QC-SSTA" Interference Check Std.)										CONC	CONC	
	TRUE	**N**	**Average**	**S.Dev**	**%RSD**	**Bias**	**Bias**	High	Low	753	800	
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)	
Ag		2	-0.025	0.001	-5					-0.024	-0.025	
Al	250.0	2	250.885	1.847	1	0.885	0.4			249.579	252.191	
As		2	0.206	0.022	11					0.190	0.222	
B		2	0.051	0.001	2					0.051	0.050	
Ba		2	0.010	0.000	0					0.010	0.010	
Be		2	-0.002	0.000	-3					-0.002	-0.002	
Bi	200.0	2	196.441	0.942	0	-3.559	-1.8			195.775	197.107	
Ca	250.0	2	249.389	0.840	0	-0.611	-0.2			248.795	249.983	
Cd		2	0.067	0.003	5					0.065	0.069	
Ce		2	0.022	0.008	34					0.027	0.017	
Co		2	0.002	0.001	61					0.003	0.001	
Cr		2	0.254	0.003	1					0.252	0.256	
Cu		2	-0.109	0.006	-5					-0.105	-0.113	
Dy		2	0.020	0.001	4					0.021	0.020	
Eu		2	0.085	0.000	0					0.085	0.085	
Fe	200.0	2	196.646	0.879	0	-3.354	-1.7			196.024	197.267	
K	100.0	2	100.860	0.211	0	0.860	0.9			100.711	101.010	
La	50.0	2	48.343	0.543	1	-1.657	-3.3			47.959	48.728	
Li		2	0.035	0.001	3					0.034	0.035	
Mg		2	-0.881	0.030	-3					-0.902	-0.860	
Mn		2	0.018	0.000	1					0.018	0.018	
Mo		2	0.100	0.000	0					0.100	0.101	
Na		2	0.846	0.020	2					0.860	0.832	
Nd		2	0.140	0.001	1					0.139	0.140	
Ni	200.0	2	190.038	1.135	1	-9.962	-5.0			189.235	190.841	
P	200.0	2	198.867	0.693	0	-1.133	-0.6			199.358	198.377	
Pb		2	0.950	0.005	1					0.953	0.946	
Pd		2	1.094	0.062	6					1.137	1.050	
Rh		2	0.252	0.003	1					0.254	0.250	
Ru		2	0.097	0.024	25					0.080	0.115	
Sb		2	0.544	0.000	0					0.544	0.544	
Se		2	1.500	0.003	0					1.498	1.502	
Si		2	-0.301	0.017	-6					-0.289	-0.312	
Sn		2	1.519	0.037	2					1.546	1.493	
Sr		2	0.019	0.000	0					0.019	0.019	
Te		2	0.713	0.009	1					0.720	0.707	
Th		2	-0.345	0.034	-10					-0.369	-0.321	
Ti		2	-0.002	0.001	-31					-0.002	-0.003	
Tl		2	0.306	0.013	4					0.316	0.297	
U	200.0	2	203.488	1.419	1	3.488	1.7			202.485	204.492	
V		2	0.037	0.000	1					0.037	0.037	
W		2	0.547	0.007	1					0.542	0.552	
Y		2	0.019	0.000	2					0.020	0.019	
Zn		2	0.065	0.003	5					0.067	0.062	
Zr		2	0.062	0.003	5					0.064	0.060	
TIME		2	#######	0.000	0					########	########	

Analysis Report Summary Thu 02-08-96 01:56:05 PM page 1

A#869
ICP-325-405-1
2/8/96 QB

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	SPC-BLK 108447	A0069	ICP1A	02/08/96	08:29	DRS	S	INT
2	SPC-BLK 108447	A0069	ICP1A	02/08/96	08:29	DRS	S	CONC
3	SPC-STD 960103I100	A0069	ICP1A	02/08/96	08:35	DRS	S	INT
4	SPC-STD 960103I100	A0069	ICP1A	02/08/96	08:35	DRS	S	CONC
5	ICP1.0	A0069	ICP1A	02/08/96	09:20		X	IR
6	ICP1.1B	A0069	ICP1A	02/08/96	09:22		X	IR
7	ICP1.1A	A0069	ICP1A	02/08/96	09:25		X	IR
8	ICP1.2	A0069	ICP1A	02/08/96	09:29		X	IR
9	ICP1.3	A0069	ICP1A	02/08/96	09:33		X	IR
10	ICP1.4	A0069	ICP1A	02/08/96	09:38		X	IR
11	ICP1.5	A0069	ICP1A	02/08/96	09:41		X	IR
12	ICP1.6	A0069	ICP1A	02/08/96	09:45		X	IR
13	ICP1.7	A0069	ICP1A	02/08/96	09:48		X	IR
14	ICP1.8	A0069	ICP1A	02/08/96	09:53		X	IR
15	ICPI.9	A0069	ICP1A	02/08/96	09:58		X	IR
16	ICP1.0 960103F100	A0069	ICP1A	02/08/96	10:23	DRS	S	CONC
Fail	~~17 QC_MCVA 960103I901~~	~~A0069~~	~~ICP1A~~	~~02/08/96~~	~~10:27~~	~~DRS~~	~~Q~~	~~CONC~~
Fail	~~18 QC_MCVA 960103I901~~	~~A0069~~	~~ICP1A~~	~~02/08/96~~	~~10:32~~	~~DRS~~	~~Q~~	~~CONC~~
19	ICP1.0	A0069	ICP1A	02/08/96	10:36		X	IR
20	ICP1.1B	A0069	ICP1A	02/08/96	10:38		X	IR
21	ICP1.1A	A0069	ICP1A	02/08/96	10:42		X	IR
22	ICP1.2	A0069	ICP1A	02/08/96	10:45		X	IR
23	ICP1.3	A0069	ICP1A	02/08/96	10:49		X	IR
24	ICP1.4	A0069	ICP1A	02/08/96	10:52		X	IR
25	ICP1.5	A0069	ICP1A	02/08/96	10:56		X	IR
26	ICP1.6	A0069	ICP1A	02/08/96	11:00		X	IR
27	ICP1.7	A0069	ICP1A	02/08/96	11:03		X	IR
28	ICP1.8	A0069	ICP1A	02/08/96	11:07		X	IR
29	ICPI.9	A0069	ICP1A	02/08/96	11:10		X	IR
30	ICP1.0 960103F100	A0069	ICP1A	02/08/96	11:22	DRS	S	CONC
PASS	31 QC_MCVA 960103I901	A0069	ICP1A	02/08/96	11:23	DRS	Q	CONC
Pass ⊗	32 QC_MCVB 960206I901	A0069	ICP1A	02/08/96	11:27	DRS	Q	CONC
	33 QC SSTA 951208I902	A0069	ICP1A	02/08/96	11:31	DRS	S	CONC
	34 QC SSTMCV 951208I903	A0069	ICP1A	02/08/96	11:34	DRS	S	CONC
	35 QC_SRM-1643d 108518	A0069	ICP1A	02/08/96	11:38	DRS	Q	CONC
	36 QC CCV1 960126H901	A0069	ICP1A	02/08/96	11:42	DRS	S	CONC
	37 ICP1.0 960103F100	A0069	ICP1A	02/08/96	11:46	DRS	S	CONC
	38 96-2848-BLK	A0069	ICP1A	02/08/96	11:48	DRS	S	CONC
	39 96-2848 @5	A0069	ICP1A	02/08/96	11:51	DRS	S	CONC
	40 96-2848 @25	A0069	ICP1A	02/08/96	11:56	DRS	S	CONC
974	41 Na @1000 PPM	A0069	ICP1A	02/08/96	12:01	DRS	S	CONC
	42 96-28~~48~~ 2848 PS-A 96-2848 15-A	A0069	ICP1A	02/08/96	12:07	DRS	S	CONC
Pass *	43 QC MCVA @2	A0069	ICP1A	02/08/96	12:12	DRS	S	CONC
	44 96-2850 @10	A0069	ICP1A	02/08/96	12:17	DRS	S	CONC
	45 96-2850 @30X	A0069	ICP1A	02/08/96	12:22	DRS	S	CONC
	46 96-2850 PS-B	A0069	ICP1A	02/08/96	12:27	DRS	S	CONC
	47 QC MCVB @2	A0069	ICP1A	02/08/96	12:33	DRS	S	CONC
Pass *	48 QC_MCVA 960130I901	A0069	ICP1A	02/08/96	12:37	DRS	Q	CONC
Pass ⊗	49 QC_MCVB 960206I901	A0069	ICP1A	02/08/96	12:40	DRS	Q	CONC
	50 QC SSTA 951208I902	A0069	ICP1A	02/08/96	12:45	DRS	S	CONC
	51 QC SSTMCV 951208I903	A0069	ICP1A	02/08/96	12:48	DRS	S	CONC
	52 QC_SRM-1643d 108518	A0069	ICP1A	02/08/96	12:52	DRS	Q	CONC
	53 QC CCV1 960126H901	A0069	ICP1A	02/08/96	12:56	DRS	S	CONC

Dissolvable Liquids

* Sb - N/A

⊗ Pd, Sn - N/A

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	ICP1.0 960103F100	A0069	ICP1A	02/08/96	13:00	DRS	S	CONC

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#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108447	7312	2296	1731.67	1223	341	197.667
2	SPC-BLK 108447	-.0117	-.0968	-.0543	.0007	-.0026	-.0005
3	SPC-STD 960103I100	7438.33	2354	1765.33	1243	344.667	200.667
4	SPC-STD 960103I100	-.0076	-.0754	-.0400	.0029	-.0021	-.0004
5	ICP1.0	.76723	.24153	.18163	.1221	.03566	.0207
6	ICP1.1B					.7249	
7	ICP1.1A					7.01356	
8	ICP1.2		59.8669		40.1925		
9	ICP1.3						
10	ICP1.4			21.5813			
11	ICP1.5						
12	ICP1.6						1.65696
13	ICP1.7	26.041					
14	ICP1.8						
15	ICPI.9						
16	ICP1.0 960103F100	.0143	.0235	.0169	.0035	.0011	.0001
17	QC_MCVA 960103I901	0.5562	10.70	2.636	02.212	.5358	.1049
18	QC_MCVA 960103I901	.5415	10.57	2.606	2.193	.5302	.1041
19	ICP1.0	.7893	.2474	.18566	.12623	.03649	.02113
20	ICP1.1B					.76593	
21	ICP1.1A					7.18853	
22	ICP1.2		61.7612		41.5609		
23	ICP1.3						
24	ICP1.4			21.8861			
25	ICP1.5						
26	ICP1.6						1.70786
27	ICP1.7	27.6604					
28	ICP1.8						
29	ICPI.9						
30	ICP1.0 960103F100	.0015	.0062	.0082	.0007	.0001	.0000
31	QC_MCVA 960103I901	.4824	9.724	2.460	2.020	.4819	.0961
32	QC_MCVB 960206I901	-.0062	.6161	.3011	1.988	.0023	.0006
33	QC SSTA 951208I902	-.0239	249.6	.1901	.0513	.0096	-.0016
34	QC SSTMCV 951208I903	.4980	4.966	2.016	.0027	.0993	.1001
35	QC_SRM-1643d 108518	0-.0009	0.1332	0.0718	.1471	.5020	0.0124
36	QC CCV1 960126H901	-.0014	1.939	1.997	2.018	.9654	.9999
37	ICP1.0 960103F100	-.0023	.0074	.0051	.0010	-.0000	.0001
38	96-2848-BLK	-.0039	.0370	.0130	.4833	.0002	.0001
39	96-2848 @5	.0077	1.987	.0670	.4540	.0018	.0006
40	96-2848 @25	-.0023	.4031	.0095	.0930	-.0001	.0001
41	Na @1000 PPM	-.0033	.0043	.0051	-.0019	-.0002	-.0000
42	96-2847 PS-A	.2323	9.573	1.407	2.064	.2305	.0481
43	QC MCVA @2	.2441	5.001	1.271	1.049	.2486	.0495
44	96-2850 @10	-.0015	.8992	.0344	.2935	.0004	.0004
45	96-2850 @30X	-.0029	.2887	.0169	.0951	-.0004	.0001
46	96-2850 PS-B	.0043	4.508	.2813	2.263	.0041	.0020
47	QC MCVB @2	-.0066	.3241	.1564	1.035	.0007	.0003
48	QC_MCVA 960130I901	.4911	10.000	2.502	2.069	.4955	.0981
49	QC_MCVB 960206I901	-.0092	.6260	.2959	1.994	.0018	.0005
50	QC SSTA 951208I902	-.0255	252.2	.2217	.0499	.0096	-.0016
51	QC SSTMCV 951208I903	.5012	5.014	2.005	-.0024	.1001	.1005
52	QC_SRM-1643d 108518	0-.0045	0.1143	0.0588	.1432	.5117	0.0124
53	QC CCV1 960126H901	-.0046	1.956	1.997	2.050	.9810	1.009

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#	Sample Name	Ag	Al	As	B	Ba	Be
54	ICP1.0 960103F100	-.0039	.0019	-.0035	-.0007	-.0003	.0001

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SPC-BLK 108447	1613.33	1338	504.667	6951.67	1577.67	507.667
2	SPC-BLK 108447	-.0590	-.0231	-.0064	-.0810	-.0136	-.0065
3	SPC-STD 960103I100	1827.67	1722.33	568.667	7020.33	1581	521.333
4	SPC-STD 960103I100	-.0534	.0900	.0005	-.0662	-.0133	-.0042
5	ICP1.0	.17343	.14013	.05403	.7286	.16536	.05336
6	ICP1.1B					1.84776	1.18076
7	ICP1.1A					16.3329	10.9528
8	ICP1.2		78.8846	8.69089			
9	ICP1.3				21.955		
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7	21.5171					
14	ICP1.8						
15	ICPI.9						
16	ICP1.0 960103F100	-.0093	.0078	.0032	.0322	.0024	-.0006
17	QC_MCVA 960103I901	26.54	27.30	.5460	.0118	1.099	1.097
18	QC_MCVA 960103I901	26.40	27.06	.5359	.0009	1.095	1.093
19	ICP1.0	.17423	.14456	.0577	.74419	.16933	.054
20	ICP1.1B					1.9706	1.2596
21	ICP1.1A					17.1007	11.4087
22	ICP1.2		82.251	8.99326			
23	ICP1.3				22.1237		
24	ICP1.4						
25	ICP1.5						
26	ICP1.6						
27	ICP1.7	22.5339					
28	ICP1.8						
29	ICPI.9						
30	ICP1.0 960103F100	.0033	-.0064	-.0040	.0008	.0000	.0003
31	QC_MCVA 960103I901	23.95	24.78	.4840	.0006	.9816	.9812
32	QC_MCVB 960206I901	.0701	.0190	-.0001	1.930	-.0013	.0055
33	QC SSTA 951208I902	195.8	248.8	.0646	.0275	.0030	.2522
34	QC SSTMCV 951208I903	1.576	1.034	.1969	-.0062	-.0015	.3034
35	QC_SRM-1643d 108518	.0301	31.18	0.0045	.0089	0.0263	0.0212
36	QC CCV1 960126H901	1.934	1.998	.9963	-.0003	1.005	.4968
37	ICP1.0 960103F100	.0040	-.0060	-.0018	-.0045	.0004	-.0010
38	96-2848-BLK	-.0006	.0202	-.0019	-.0147	-.0009	-.0002
39	96-2848 @5	4.843	.0949	.0061	.0685	.0081	11.16
40	96-2848 @25	.9904	.0208	.0022	-.0026	-.0002	2.323
41	Na @1000 PPM	.0064	.0077	.0002	-.0115	-.0003	-.0010
42	96-2847 PS-A	23.54	12.15	.2518	.1326	.4854	27.01
43	QC MCVA @2	12.28	12.79	.2568	-.0095	.5081	.5094
44	96-2850 @10	5.289	.0291	-.0001	.0227	.0027	8.710
45	96-2850 @30X	1.751	.0056	-.0009	-.0076	-.0008	2.925
46	96-2850 PS-B	25.15	.2291	.0140	1.010	.0130	39.74
47	QC MCVB @2	.0088	.0080	-.0003	.9858	-.0025	.0031
48	QC_MCVA 960130I901	24.46	25.35	.4975	-.0173	1.007	1.009
49	QC_MCVB 960206I901	.0567	.0118	.0025	1.928	-.0035	.0051

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#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
50	QC SSTA 9512081902	197.1	250.0	.0691	.0169	.0012	.2563
51	QC SSTMCV 9512081903	1.562	1.019	.1953	-.0288	-.0051	.3078
52	QC_SRM-1643d 108516	.0386	031.46	0.0047	-.0231	0.0234	0.0203
53	QC CCV1 960126H901	1.952	2.008	1.003	-.0219	1.014	.4999
54	ICP1.0 960103F100	-.0098	-.0077	-.0002	-.0142	-.0012	-.0014

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108447	550	2132	377.667	631	2233	1101
2	SPC-BLK 108447	-.0149	-.0139	-.0042	-.0156	-1.052	-.0207
3	SPC-STD 960103I100	19335	2329.33	381.333	692	2246.67	1116
4	SPC-STD 960103I100	9.579	-.0103	-.0035	-.0135	-.7302	-.0157
5	ICP1.0	.05776	.22346	.03949	.06659	.23109	.11483
6	ICP1.1B	.42773			6.92846		
7	ICP1.1A	3.75099			65.6122		
8	ICP1.2					2.29905	
9	ICP1.3		40.5073	9.95419			5.34966
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						
15	ICP1.9						
16	ICP1.0 960103F100	.0027	.0038	.0017	-.0027	.8865	.0067
17	QC_MCVA 960103I901	1.023	.0018	.0028	022.13	26.20	.0054
18	QC_MCVA 960103I901	1.033	.0006	.0021	21.94	25.87	.0038
19	ICP1.0	.05916	.22823	.0405	.0687	.23463	.11773
20	ICP1.1B	.4493			7.35996		
21	ICP1.1A	3.84416			68.0527		
22	ICP1.2					2.35423	
23	ICP1.3		41.3664	10.1946			5.48436
24	ICP1.4						
25	ICP1.5						
26	ICP1.6						
27	ICP1.7						
28	ICP1.8						
29	ICP1.9						
30	ICP1.0 960103F100	.0016	.0006	.0003	-.0088	.0472	.0007
31	QC_MCVA 960103I901	.9231	.0002	.0019	19.86	23.70	.0014
32	QC_MCVB 960206I901	.0346	1.902	1.917	.0087	-1.022	.9447
33	QC SSTA 9512081902	-.1047	.0208	.0850	196.0	100.7	47.96
34	QC SSTMCV 9512081903	.0014	-.0001	.0070	.5286	49.14	.0032
35	QC_SRM-1643d 108518	0.0191	.0010	.0013	0.0863	02.257	.0039
36	QC CCV1 960126H901	1.941	.0013	.0005	2.001	4.671	.0009
37	ICP1.0 960103F100	.0036	.0003	.0002	-.0091	-.1415	-.0002
38	96-2848-BLK	.0033	-.0020	-.0006	.0050	-.6369	-.0039
39	96-2848 @5	.0326	.0047	.0090	.9279	24.12	.0066
40	96-2848 @25	.0044	-.0017	.0013	.1822	4.270	-.0023
41	Na @1000 PPM	.0004	-.0011	-.0003	-.0095	-.6448	-.0018
42	96-2847 PS-A	.5351	.0058	.0211	11.74	69.88	.0097
43	QC MCVA @2	.4704	-.0014	.0006	10.27	11.57	-.0013
44	96-2850 @10	.0045	.0009	.0063	1.557	16.10	.0006
45	96-2850 @30X	-.0011	-.0017	.0015	.5138	4.954	-.0021

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#	Sample Name	Cu	Dy	Eu	Fe	K	La
46	96-2850 PS-B	.0329	.8642	.8871	7.197	78.48	.4435
47	QC MCVB @2	.0101	.9873	.9959	-.0041	-1.148	.4884
48	QC_MCVA 960130I901	.9426	-.0020	.0013	20.35	23.71	-.0010
49	QC_MCVB 960206I901	.0208	1.920	1.936	.0033	-1.675	.9483
50	QC SSTA 951208I902	-.1128	.0195	.0848	197.3	101.0	48.73
51	QC SSTMCV 951208I903	-.0047	-.0035	.0059	.5190	48.89	-.0047
52	QC_SRM-1643d 108518	0.0133	-.0030	-.0000	0.0840	01.439	-.0016
53	QC CCV1 960126H901	1.959	-.0026	-.0006	2.021	3.947	-.0044
54	ICP1.0 960103F100	.0005	-.0010	-.0004	-.0110	-.6448	-.0017

#	Sample Name	Li	Mg	Mn	Mo	Na	Na+
1	SPC-BLK 108447	434	2638.67	217.667	879.667	452.333	10333.3
2	SPC-BLK 108447	-.0108	-.0625	-.0020	-.0131	-.1323	-15.47
3	SPC-STD 960103I100	20912	2749	61751.7	924.667	460.333	11026
4	SPC-STD 960103I100	9.731	-.0581	9.534	-.0092	-.0891	.0792
5	ICP1.0	.04513	.27793	.02283	.09276	.04743	1.07609
6	ICP1.1B		4.39136		1.19609	.47703	
7	ICP1.1A		38.275		10.857	4.40593	
8	ICP1.2	10.1973		6.09833			
9	ICP1.3						
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8						
15	ICPI.9						15.8381
16	ICP1.0 960103F100	.0039	-.0109	.0005	.0031	.0765	6.220
17	QC_MCVA 960103I901	2.122	035.64	0.5538	01.102	39.96	49.48
18	QC_MCVA 960103I901	2.085	035.32	.5478	1.095	39.45	47.27
19	ICP1.0	.04616	.28403	.02339	.09529	.04896	1.10336
20	ICP1.1B		4.65753		1.27663	.50573	
21	ICP1.1A		39.706		11.3253	4.50503	
22	ICP1.2	10.4167		6.32986			
23	ICP1.3						
24	ICP1.4						
25	ICP1.5						
26	ICP1.6						
27	ICP1.7						
28	ICP1.8						
29	ICPI.9						15.6529
30	ICP1.0 960103F100	.0011	-.0144	-.0001	.0002	.0840	.9389
31	QC_MCVA 960103I901	1.915	32.01	.5036	.9844	35.66	44.07
32	QC_MCVB 960206I901	-.0005	-.1206	.0010	.0080	1.463	57.15
33	QC SSTA 951208I902	.0337	-.9019	.0180	.1002	.8601	427.1
34	QC SSTMCV 951208I903	.0013	-.1092	.1038	.0042	4.996	45.22
35	QC_SRM-1643d 108518	0.0199	08.440	0.0395	.1114	021.51	25.38
36	QC CCV1 960126H901	1.935	2.056	1.023	1.955	8.240	11.87
37	ICP1.0 960103F100	-.0002	-.0144	.0002	.0002	-.0194	.1694
38	96-2848-BLK	-.0014	-.0083	.0004	-.0009	.8340	-1.575
39	96-2848 @5	14.38	-.0553	.0091	.9767	2480.	2968.
40	96-2848 @25	3.017	-.0313	.0014	.2025	545.7	614.7
41	Na @1000 PPM	.0002	-.0153	.0003	-.0008	973.7	1097.

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#	Sample Name	Li	Mg	Mn	Mo	Na	Na+
42	96-2847 PS-A	36.24	15.19	.2641	2.808	5019.	7199.
43	QC MCVA @2	.9855	16.61	.2607	.5105	18.52	21.14
44	96-2850 @10	.7320	-.0438	.0118	.8275	1682.	1956.
45	96-2850 @30X	.2436	-.0332	.0037	.2763	580.1	653.0
46	96-2850 PS-B	3.473	-.1477	.0563	3.805	6232.	9114.
47	QC MCVB @2	-.0019	-.0723	.0001	.0029	.8986	26.53
48	QC_MCVA 960130I901	1.953	32.77	.5164	1.009	36.70	41.47
49	QC_MCVB 960206I901	-.0026	-.1259	.0005	.0065	1.441	52.38
50	QC SSTA 951208I902	.0354	-.8599	.0177	.1006	.8318	423.9
51	QC SSTMCV 951208I903	-.0008	-.1177	.1044	.0021	5.071	38.56
52	QC_SRM-1643d 108518	0.0164	08.532	0.0395	0.1102	22.07	19.46
53	QC CCV1 960126H901	1.978	2.087	1.034	1.980	8.345	6.489
54	ICP1.0 960103F100	-.0024	-.0189	.0001	-.0001	-.0415	-3.087

#	Sample Name	Nd	Ni	P	Pb	Pd	Rh
1	SPC-BLK 108447	4088.33	563	1397	14956.7	16502.7	16614
2	SPC-BLK 108447	-.0726	-.0057	-.0954	-.0962	-.2333	-.1178
3	SPC-STD 960103I100	4123.33	572.333	1581	126897	16664.3	16803
4	SPC-STD 960103I100	-.0610	-.0026	-.0873	9.250	-.1957	-.0962
5	ICP1.0	.42723	.05773	.14663	1.57946	1.72953	1.74273
6	ICP1.1B		.6381		7.26146		
7	ICP1.1A		5.61566		55.9587		
8	ICP1.2			11.7341			
9	ICP1.3	13.9694					
10	ICP1.4						
11	ICP1.5						
12	ICP1.6						
13	ICP1.7						
14	ICP1.8					18.197	42.3949
15	ICP1.9						
16	ICP1.0 960103F100	.0306	-.0027	.0238	.0200	.1011	.0365
17	QC_MCVA 960103I901	.0178	1.098	5.349	02.768	.0290	.0125
18	QC_MCVA 960103I901	.0085	1.090	5.408	2.746	-.0164	.0065
19	ICP1.0	.43703	.05683	.15016	1.62363	1.77336	1.78186
20	ICP1.1B		.68339		7.6893		
21	ICP1.1A		5.8972		58.6262		
22	ICP1.2			12.1828			
23	ICP1.3	14.2755					
24	ICP1.4						
25	ICP1.5						
26	ICP1.6						
27	ICP1.7						
28	ICP1.8					18.2017	42.3365
29	ICP1.9						
30	ICP1.0 960103F100	.0045	.0010	.0262	-.0025	.0193	.0058
31	QC_MCVA 960103I901	.0062	.9803	4.832	2.463	-.0028	.0039
32	QC_MCVB 960206I901	1.892	.0232	.1163	.2440	02.403	2.005
33	QC SSTA 951208I902	.1390	189.2	199.4	.9533	1.137	.2544
34	QC SSTMCV 951208I903	-.0019	.6180	4.039	3.027	.0464	.0070
35	QC_SRM-1643d 108518	.0193	0.1223	.0202	0.0276	.0211	.0185
36	QC CCV1 960126H901	.0058	2.045	4.833	2.001	.0312	.0150
37	ICP1.0 960103F100	-.0007	.0408	.0145	-.0114	.0189	.0043

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#	Sample Name	Nd	Ni	P	Pb	Pd	Rh
38	96-2848-BLK	-.0136	.0419	.0043	-.0119	-.0318	-.0136
39	96-2848 @5	.0278	.0786	212.3	.1840	.2034	.1474
40	96-2848 @25	-.0076	.0308	42.60	.0202	.0033	.0154
41	Na @1000 PPM	-.0057	.0168	.0095	-.0091	-.0100	-.0027
42	96-2847 PS-A	.0455	.5948	523.8	1.602	.3774	.3043
43	QC MCVA @2	-.0070	.5237	2.515	1.272	-.0209	-.0065
44	96-2850 @10	.0060	.0427	106.7	-.0021	.1211	.1097
45	96-2850 @30X	-.0085	.0178	34.96	-.0151	.0113	.0243
46	96-2850 PS-B	.9081	.1641	516.3	.1627	1.652	1.464
47	QC MCVB @2	.9704	.0204	.0951	.1062	1.221	1.033
48	QC_MCVA 960130I901	-.0083	1.007	4.901	2.505	-.0453	-.0176
49	QC_MCVB 960206I901	1.894	.0337	.1021	.2212	@2.413	2.000
50	QC SSTA 951208I902	.1403	190.8	198.4	.9463	1.050	.2497
51	QC SSTMCV 951208I903	-.0266	.6098	3.935	3.003	-.0316	-.0225
52	QC_SRM-1643d 108518	-.0100	@.1215	.0187	@-.0111	-.0461	-.0186
53	QC CCV1 960126H901	-.0191	2.065	4.835	2.003	-.0360	-.0220
54	ICP1.0 960103F100	-.0112	.0449	.0111	-.0192	-.0193	-.0076

#	Sample Name	Ru	Sb	Se	Si	Sn	Sr
1	SPC-BLK 108447	4699.33	2828.67	1553.33	4260.33	7471.33	163.667
2	SPC-BLK 108447	-.0520	-.0740	-.0384	-.0493	-.3652	-.0014
3	SPC-STD 960103I100	4766.67	2934.33	1590.33	4376.33	7633.33	167.333
4	SPC-STD 960103I100	-.0432	-.0381	-.0650	-.0200	-.2957	-.0009
5	ICP1.0	.49676	.29836	.16613	.4419	.78789	.01706
6	ICP1.1B						.80303
7	ICP1.1A						7.94956
8	ICP1.2						
9	ICP1.3	34.8634					
10	ICP1.4		29.1046				
11	ICP1.5						
12	ICP1.6				69.1885		
13	ICP1.7			3.09786			
14	ICP1.8					7.50973	
15	ICP1.9						
16	ICP1.0 960103F100	.0101	.0147	.0110	.0815	.0723	.0007
17	QC_MCVA 960103I901	.0006	@2.916	2.744	20.32	.1097	.5449
18	QC_MCVA 960103I901	-.0016	@2.867	2.732	20.05	.2560	.5395
19	ICP1.0	.50986	.30543	.16956	.46556	.80589	.01766
20	ICP1.1B						.85666
21	ICP1.1A						8.22273
22	ICP1.2						
23	ICP1.3	35.6298					
24	ICP1.4		29.4261				
25	ICP1.5						
26	ICP1.6				71.2901		
27	ICP1.7			3.273			
28	ICP1.8					7.54883	
29	ICP1.9						
30	ICP1.0 960103F100	.0006	.0045	.0010	-.0040	.0240	-.0001
31	QC_MCVA 960103I901	.0058	2.684	2.477	18.51	.1394	.4893
32	QC_MCVB 960206I901	1.947	.1234	.0653	20.64	1.805	.0026
33	QC SSTA 951208I902	.0803	.5443	1.498	-.2887	1.546	.0188

#	Sample Name	Ru	Sb	Se	Si	Sn	Sr
34	QC SSTMCV 9512081903	-.0038	2.249	2.536	2.880	.0245	.0013
35	QC_SRM-1643d 108518	.0032	0.0641	0.0147	2.704	.0277	.2933
36	QC CCV1 960126H901	.0047	.0219	1.946	4.705	.0660	1.949
37	ICP1.0 960103F100	.0004	.0019	.0007	-.0172	.0098	.0001
38	96-2848-BLK	-.0027	.0035	-.0073	.0661	.0020	.0001
39	96-2848 @5	.1304	.0968	.0867	1.427	.1892	.0094
40	96-2848 @25	.0186	.0108	.0085	.2462	.0104	.0017
41	Na @1000 PPM	.0004	.0091	-.0036	-.0197	-.0146	-.0001
42	96-2847 PS-A	.2994	1.531	1.445	12.95	.3727	.2536
43	QC MCVA @2	.0003	1.388	1.276	9.582	.0364	.2533
44	96-2850 @10	.1255	.0627	.0508	.7935	.0918	.0049
45	96-2850 @30X	.0379	.0133	.0011	.2373	-.0089	.0014
46	96-2850 PS-B	1.434	.3093	.2792	14.35	1.169	.0235
47	QC MCVB @2	1.009	.0521	.0320	10.27	.8843	.0010
48	QC_MCVA 960130I901	.0054	02.762	2.538	18.97	.0853	.5052
49	QC_MCVB 960206I901	1.940	.1053	.0612	20.70	01.707	.0024
50	QC SSTA 9512081902	.1145	.5437	1.502	-.3124	1.493	.0189
51	QC SSTMCV 9512081903	-.0158	2.243	2.527	2.892	-.0710	.0010
52	QC_SRM-1643d 108518	-.0082	0.0488	0-.0025	2.731	-.0716	.3006
53	QC CCV1 960126H901	-.0041	.0043	1.971	4.778	-.0243	1.992
54	ICP1.0 960103F100	-.0034	-.0038	-.0014	-.0246	-.0457	.0001

#	Sample Name	Te	Th	Ti	Tl	U	V
1	SPC-BLK 108447	11034.3	2560.33	710.667	410.333	18621.7	1070.33
2	SPC-BLK 108447	-.1011	-.0019	-.0043	-.0277	-1.170	-.0097
3	SPC-STD 960103I100	11644.3	2587.67	720.667	438	18765.7	1084.67
4	SPC-STD 960103I100	-.0575	.0004	-.0034	.0198	-1.011	-.0075
5	ICP1.0	1.16716	.2677	.07443	.04239	1.94673	.11253
6	ICP1.1B			1.3687			
7	ICP1.1A			13.1561			
8	ICP1.2						
9	ICP1.3		11.3514				
10	ICP1.4						11.4395
11	ICP1.5					43.1886	
12	ICP1.6	46.274					
13	ICP1.7				1.15503		
14	ICP1.8						
15	ICP1.9						
16	ICP1.0 960103F100	.0238	-.0042	.0017	.0006	.4931	.0021
17	QC_MCVA 960103I901	.0628	.0256	1.074	2.702	.3861	1.020
18	QC_MCVA 960103I901	.0556	.0304	1.064	2.667	.2172	1.010
19	ICP1.0	1.19716	.27439	.07606	.04286	1.99343	.11483
20	ICP1.1B			1.45176			
21	ICP1.1A			13.6245			
22	ICP1.2						
23	ICP1.3		11.6298				
24	ICP1.4						11.5303
25	ICP1.5					43.5522	
26	ICP1.6	47.621					
27	ICP1.7				1.20913		
28	ICP1.8						
29	ICP1.9						

#	Sample Name	Te	Th	Ti	Tl	U	V
30	ICP1.0 960103F100	.0059	-.0010	-.0001	.0088	.0323	-.0003
31	QC_MCVA 960103I901	.0495	.0288	.9627	2.416	.1483	.9511
32	QC_MCVB 960206I901	2.006	5.166	.0055	.0213	23.87	-.0002
33	QC SSTA 951208I902	.7197	-.3691	-.0018	.3156	202.5	.0372
34	QC SSTMCV 951208I903	.0191	-.0357	-.0007	.0088	19.97	.4922
35	QC_SRM-1643d 108518	.0104	-.0090	.0009	Q.0203	.3194	Q.0338
36	QC CCV1 960126H901	.0306	.0060	.0005	1.925	.0427	.9372
37	ICP1.0 960103F100	.0122	.0004	-.0004	.0009	-.0200	-.0002
38	96-2848-BLK	.0021	.0093	-.0006	-.0039	-.2665	-.0013
39	96-2848 @5	.1027	-.0029	.0017	.0301	17.54	.0116
40	96-2848 @25	.0137	.0101	-.0008	-.0017	3.424	.0008
41	Na @1000 PPM	-.0000	.0007	-.0007	-.0043	-.1136	-.0014
42	96-2847 PS-A	.2468	.0259	.4671	1.197	41.43	.4839
43	QC MCVA @2	.0158	.0143	.4965	1.229	-.0442	.4900
44	96-2850 @10	.0471	-.0047	.0006	.0126	13.26	.0037
45	96-2850 @30X	.0089	.0016	-.0009	.0083	4.230	-.0006
46	96-2850 PS-B	1.206	2.337	.0069	.0747	70.92	.0236
47	QC MCVB @2	1.027	2.702	.0018	-.0025	12.06	-.0022
48	QC_MCVA 960130I901	.0441	.0297	.9907	2.439	-.0664	.9747
49	QC_MCVB 960206I901	1.983	5.183	.0044	.0043	23.75	-.0029
50	QC SSTA 951208I902	.7068	-.3209	-.0028	.2969	204.5	.0374
51	QC SSTMCV 951208I903	-.0067	-.0322	-.0025	-.0039	19.85	.4934
52	QC_SRM-1643d 108518	-.0051	-.0089	-.0008	Q-.0034	-.1083	Q.0313
53	QC CCV1 960126H901	.0097	.0100	-.0013	1.913	-.3064	.9493
54	ICP1.0 960103F100	.0011	.0004	-.0012	-.0067	-.2256	-.0017

#	Sample Name	W	Y	Zn	Zr
1	SPC-BLK 108447	351.333	272.667	376	865.667
2	SPC-BLK 108447	-.0461	-.0042	-.0031	-.0105
3	SPC-STD 960103I100	358.333	274.667	135292	873.667
4	SPC-STD 960103I100	-.0341	-.0036	9.241	-.0092
5	ICP1.0	.03709	.02846	.04026	.09056
6	ICP1.1B			2.79403	2.41406
7	ICP1.1A			26.6814	23.1028
8	ICP1.2				
9	ICP1.3				
10	ICP1.4		2.83693		
11	ICP1.5				
12	ICP1.6				
13	ICP1.7				
14	ICP1.8	2.78596			
15	ICPI.9				
16	ICP1.0 960103F100	.0067	.0016	.0006	.0027
17	QC_MCVA 960103I901	.0384	.0018	1.092	2.155
18	QC_MCVA 960103I901	.0475	.0016	1.089	2.136
19	ICP1.0	.03773	.02906	.04086	.09246
20	ICP1.1B			2.98696	2.55509
21	ICP1.1A			27.927	23.8265
22	ICP1.2				
23	ICP1.3				
24	ICP1.4		2.85829		
25	ICP1.5				

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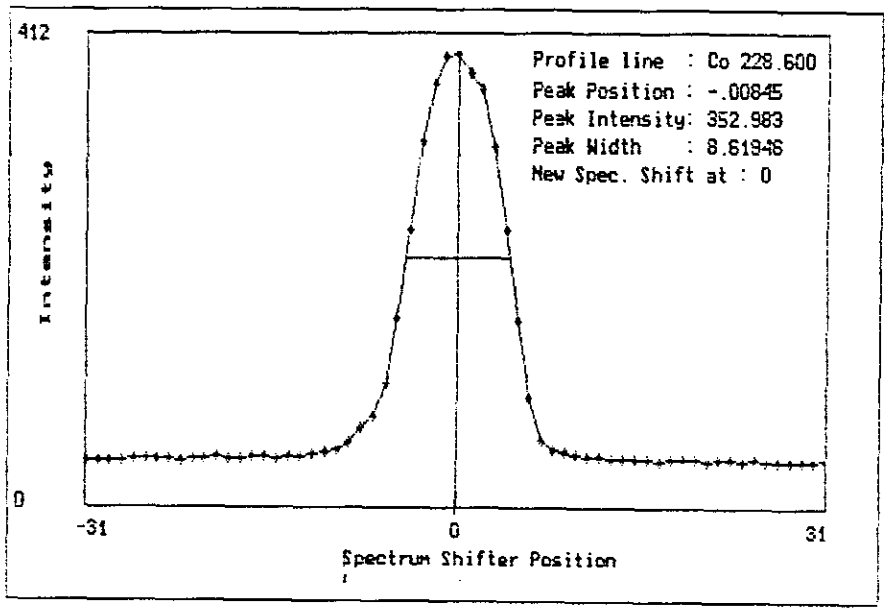
#	Sample Name	W	Y	Zn	Zr		
26	ICP1.6						
27	ICP1.7						
28	ICP1.8	2.77539					
29	ICPI.9						
30	ICP1.0 960103F100	.0059	.0001	-.0001	-.0009		
31	QC_MCVA 960103I901	.0377	.0014	.9764	1.933		
32	QC_MCVB 960206I901	1.991	.9486	.0039	-.0053		
33	QC SSTA 951208I902	.5418	.0195	.0668	.0639		
34	QC SSTMCV 951208I903	.0362	-.0004	.0003	.5018		
35	QC_SRM-1643d 108518	.0040	.0013	0.0749	.0001		
36	QC CCV1 960126H901	.0218	.0002	.9970	-.0007		
37	ICP1.0 960103F100	.0055	.0000	-.0007	-.0011		
38	96-2848-BLK	-.0069	-.0006	.0134	-.0036		
39	96-2848 @5	.1212	.0019	.0357	.0811		
40	96-2848 @25	.0273	-.0005	.0075	.0131		
41	Na @1000 PPM	-.0016	-.0007	.0002	-.0023		
42	96-2847 PS-A	.2613	.0031	.5783	1.125		
43	QC MCVA @2	.0130	.0002	.5163	.9969		
44	96-2850 @10	.0819	.0005	.0262	.1599		
45	96-2850 @30%	.0199	-.0003	.0077	.0315		
46	96-2850 PS-B	1.310	.4358	.1332	.7362		
47	QC MCVB @2	1.013	.4912	.0013	-.0065		
48	QC_MCVA 960130I901	.0373	.0005	1.010	1.995		
49	QC_MCVB 960206I901	1.992	.9511	.0029	-.0087		
50	QC SSTA 951208I902	.5523	.0191	.0624	.0596		
51	QC SSTMCV 951208I903	.0182	-.0013	-.0001	.5067		
52	QC_SRM-1643d 108518	.0010	-.0004	0.0741	-.0028		
53	QC CCV1 960126H901	.0005	-.0012	1.014	-.0036		
54	ICP1.0 960103F100	-.0070	-.0008	-.0009	-.0025		



A#69
ICP-325-405-1
2/8/96 DKS

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Method: ICP1A Sample Name: SPC-BLK 108447 Operator: DRS
Run Time: 02/08/96 08:29:08
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	7312	2296	1732	1223	341	198	1613
SDev	44	6	8	18	2	1	27
%RSD	.6050	.2720	.4668	1.488	.5079	.2921	1.677
#1	7335	2298	1733	1244	342	198	1583
#2	7261	2289	1739	1213	339	197	1622
#3	7340	2301	1723	1212	342	198	1635

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1338	505	6952	1578	508	550	2132
SDev	5	2	44	11	6	3	7
%RSD	.3425	.4125	.6401	.6778	1.187	.4810	.3250
#1	1337	507	6952	1580	507	551	2136
#2	1334	503	6907	1566	502	547	2124
#3	1343	504	6996	1587	514	552	2136

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	378	631	2233	1101	434	2639	218
SDev	2	3	9	7	3	8	1
%RSD	.6115	.4193	.4030	.6358	.6096	.2895	.5305
#1	379	632	2233	1101	435	2637	217
#2	375	628	2224	1094	431	2632	219
#3	379	633	2242	1108	436	2647	217

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Avge	880	452	10330	4068	563	1397	14960
SDev	11	2	32	22	6	13	124
%RSD	1.236	.3377	.3052	.5504	1.066	.9388	.8306
#1	892	452	10360	4096	557	1395	15020
#2	875	451	10300	4063	569	1411	14810
#3	872	454	10340	4106	563	1385	15040

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Avge	16500	16610	4699	2829	1553	4260	7471
SDev	63	47	23	20	7	14	31
%RSD	.3805	.2815	.4969	.7082	.4382	.3289	.4152
#1	16530	16640	4704	2830	1561	4261	7470
#2	16430	16560	4674	2808	1548	4246	7441
#3	16550	16640	4720	2848	1551	4274	7503

Elem	Sr	Te	Th	Ti	Tl	U	V
Avge	164	11030	2560	714	410	18620	1070
SDev	1	73	8	2	2	88	5
%RSD	.3528	.6649	.3034	.2140	.5628	.4713	.4315
#1	164	11120	2569	714	413	18650	1073
#2	163	10980	2554	712	409	18520	1065
#3	164	11000	2558	715	409	18690	1073

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Elem	W	Y	Zn	Zr
Avge	351	273	376	866
SDev	3	2	1	4
%RSD	.8217	.5602	.2660	.4669
#1	353	273	377	868
#2	353	271	376	861
#3	348	274	375	869

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Method: ICP1A Sample Name: SPC-BLK 108447 Operator: DRS
Run Time: 02/08/96 08:29:08
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0117	-.0968	-.0543	.0007	-.0026	-.0005	-.0590
SDev	.0013	.0025	.0041	.0021	.0002	.0000	.0121
%RSD	11.25	2.554	7.562	314.6	8.971	3.551	20.57
#1	-.0110	-.0964	-.0539	.0031	-.0025	-.0005	-.0726
#2	-.0132	-.0994	-.0504	-.0004	-.0029	-.0006	-.0551
#3	-.0109	-.0945	-.0586	-.0007	-.0025	-.0005	-.0493

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0231	-.0064	-.0810	-.0136	-.0065	-.0149	-.0139
SDev	.0010	.0002	.0096	.0011	.0010	.0011	.0007
%RSD	4.270	3.760	11.88	8.356	15.38	7.477	4.920
#1	-.0235	-.0062	-.0811	-.0133	-.0066	-.0145	-.0135
#2	-.0238	-.0067	-.0905	-.0148	-.0074	-.0161	-.0147
#3	-.0220	-.0065	-.0713	-.0126	-.0054	-.0140	-.0136

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0042	-.0156	-1.052	-.0207	-.0108	-.0625	-.0020
SDev	.0004	.0006	.212	.0024	.0013	.0021	.0002
%RSD	10.19	3.597	20.15	11.41	11.67	3.422	10.89
#1	-.0039	-.0154	-1.052	-.0208	-.0103	-.0649	-.0021
#2	-.0047	-.0162	-1.264	-.0230	-.0122	-.0618	-.0017
#3	-.0039	-.0152	-.8401	-.0183	-.0098	-.0609	-.0021

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0131	-.1323	-15.47	-.0726	-.0057	-.0954	-.0962
SDev	.0018	.0082	.91	.0073	.0019	.0105	.0099
%RSD	13.97	6.224	5.864	10.36	34.34	11.02	10.29
#1	-.0110	-.1341	-14.59	-.0701	-.0076	-.0971	-.0915
#2	-.0138	-.1395	-16.40	-.0811	-.0037	-.0842	-.1076
#3	-.0144	-.1233	-15.42	-.0667	-.0057	-.1050	-.0896

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.2333	-.1178	-.0520	-.0740	-.0884	-.0493	-.3652
SDev	.0153	.0049	.0029	.0068	.0043	.0024	.0206
%RSD	6.575	4.193	5.635	9.186	4.874	4.829	5.649
#1	-.2281	-.1147	-.0515	-.0736	-.0835	-.0498	-.3675
#2	-.2506	-.1235	-.0552	-.0810	-.0916	-.0514	-.3846
#3	-.2212	-.1152	-.0494	-.0674	-.0899	-.0467	-.3435

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	-.1011	-.0019	-.0043	-.0277	-1.170	-.0097
SDev	.0001	.0077	.0051	.0001	.0039	.099	.0007

%RSD	4.852	7.633	259.7	3.177	13.93	8.494	6.848
#1	-.0013	-.0923	-.0001	-.0043	-.0232	-1.138	-.0093
#2	-.0015	-.1065	.0019	-.0045	-.0299	-1.282	-.0105
#3	-.0013	-.1045	-.0077	-.0042	-.0298	-1.091	-.0093

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	-.0461	-.0042	-.0031	-.0105
SDev	.0052	.0005	.0001	.0010
%RSD	11.35	11.04	2.330	9.544
#1	-.0432	-.0041	-.0031	-.0102
#2	-.0430	-.0047	-.0031	-.0116
#3	-.0522	-.0038	-.0032	-.0097

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Method: ICP1A Sample Name: SPC-STD 960103I100 Operator: DRS
Run Time: 02/08/96 08:35:31
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	7438	2354	1765	1243	345	201	1829
SDev	54	6	14	4	2	1	4
%RSD	.7221	.2584	.7815	.3218	.4432	.2877	.1922
#1	7477	2357	1755	1247	346	201	1828
#2	7377	2347	1760	1243	343	200	1831
#3	7461	2358	1781	1239	345	201	1824

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1722	569	7020	1581	521	19340	2329
SDev	7	5	42	5	6	109	5
%RSD	.4200	.9024	.6030	.3163	1.091	.5642	.2161
#1	1727	570	7057	1581	515	19230	2334
#2	1714	563	6974	1576	526	19450	2324
#3	1726	573	7030	1586	523	19320	2330

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	381	692	2247	1116	20910	2749	61750
SDev	1	3	8	4	224	7	256
%RSD	.3028	.4335	.3370	.3231	1.069	.2546	.4138
#1	382	689	2250	1119	20740	2752	61510
#2	380	692	2238	1112	21170	2741	62020
#3	382	695	2252	1117	20830	2754	61730

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Avge	925	460	11030	4123	572	1581	126900
SDev	8	1	69	12	10	24	318
%RSD	.8117	.2508	.6276	.3032	1.697	1.534	.2505
#1	929	459	11050	4132	570	1553	126600
#2	916	461	10950	4109	564	1595	127300
#3	929	461	11080	4129	583	1595	126800

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Avge	16660	16800	4767	2934	1590	4376	7633
SDev	68	20	32	26	17	6	23
%RSD	.4054	.1162	.6754	.8896	1.047	.1451	.2977
#1	16720	16820	4802	2943	1609	4380	7654
#2	16590	16780	4739	2905	1585	4369	7609
#3	16680	16800	4759	2955	1577	4380	7637

Elem	Sr	Te	Th	Ti	Tl	U	V
Avge	167	11840	2588	721	438	18770	1085
SDev	1	101	7	3	4	99	3
%RSD	.6901	.8554	.2714	.4461	.8232	.5301	.2964
#1	168	11920	2595	722	437	18860	1086
#2	166	11730	2581	717	442	18660	1081
#3	168	11880	2587	723	435	18780	1087

Elem	W	Y	Zn	Zr
Avge	358	275	135300	874
SDev	6	1	588	5
%RSD	1.794	.2102	.4344	.5646
#1	361	275	134800	877
#2	351	274	135900	868
#3	363	275	135200	876

Analysis Report Thu 02-08-96 08:38:17 AM page 1

Method: ICP1A Sample Name: SPC-STD 960103I100 Operator: DRS
Run Time: 02/08/96 08:35:31
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0076	-.0754	-.0400	.0029	-.0021	-.0004	-.0534
SDev	.0017	.0027	.0063	.0004	.0002	.0000	.0014
%RSD	21.73	3.626	15.77	15.59	9.766	5.053	2.617
#1	-.0065	-.0758	-.0450	.0033	-.0019	-.0004	-.0528
#2	-.0095	-.0779	-.0419	.0030	-.0023	-.0004	-.0524
#3	-.0068	-.0725	-.0329	.0024	-.0021	-.0004	-.0550

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0900	.0005	-.0662	-.0133	-.0042	9.579	-.0103
SDev	.0017	.0005	.0090	.0005	.0009	.056	.0005
%RSD	1.843	108.5	13.65	3.778	22.50	.5844	5.191
#1	.0909	.0007	-.0584	-.0134	-.0053	9.526	-.0098
#2	.0881	-.0001	-.0761	-.0138	-.0034	9.638	-.0109
#3	.0910	.0009	-.0641	-.0128	-.0039	9.572	-.0102

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0035	-.0135	-.7302	-.0157	9.731	-.0581	9.534
SDev	.0002	.0009	.1784	.0011	.106	.0025	.040
%RSD	6.059	6.636	24.43	6.936	1.093	4.252	.4158
#1	-.0034	-.0144	-.6517	-.0148	9.651	-.0606	9.496
#2	-.0037	-.0133	-.9343	-.0169	9.852	-.0581	9.575
#3	-.0034	-.0127	-.6046	-.0154	9.689	-.0557	9.531

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0092	-.0891	.0792	-.0610	-.0026	-.0873	9.250
SDev	.0013	.0063	2.213	.0039	.0032	.0191	.027
%RSD	13.93	7.114	2795.	6.434	119.2	21.84	.2930
#1	-.0085	-.0964	.7038	-.0584	-.0034	-.1094	9.228
#2	-.0107	-.0854	-2.379	-.0655	-.0053	-.0765	9.280
#3	-.0085	-.0854	1.912	-.0590	.0008	-.0762	9.242

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1957	-.0962	-.0432	-.0381	-.0650	-.0200	-.2957
SDev	.0170	.0015	.0042	.0089	.0106	.0009	.0134
%RSD	8.694	1.562	9.672	23.28	16.30	4.361	4.542
#1	-.1815	-.0948	-.0386	-.0352	-.0532	-.0210	-.2833
#2	-.2146	-.0978	-.0467	-.0481	-.0682	-.0196	-.3100
#3	-.1911	-.0962	-.0443	-.0311	-.0736	-.0195	-.2940

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	-.0575	.0004	-.0034	.0198	-1.011	-.0075
SDev	.0001	.0107	.0037	.0004	.0070	.114	.0004

%RSD	14.23	18.69	1020.	11.20	35.41	11.30	5.822
#1	-.0009	-.0496	-.0027	-.0033	.0176	-.9035	-.0074
#2	-.0011	-.0697	.0045	-.0039	.0276	-1.131	-.0090
#3	-.0009	-.0532	-.0007	-.0031	.0141	-.9985	-.0071

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	-.0341	-.0036	9.241	-.0092
SDev	.0114	.0001	.040	.0012
%RSD	33.51	3.704	.4356	12.59
#1	-.0294	-.0036	9.205	-.0084
#2	-.0471	-.0037	9.284	-.0106
#3	-.0258	-.0035	9.233	-.0087

Standardization Rpt. Thu 02-08-96 09:22:08 AM page 1

Method: ICP1A Standard: ICP1.0

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.7672	.2415	.1816	.1221	.0357	.0207	.1734
SDev	.0027	.0006	.0027	.0011	.0001	.0000	.0029
%RSD	.3520	.2662	1.490	.9445	.4283	.0000	1.657
#1	.7645	.2408	.1810	.1225	.0355	.0207	.1757
#2	.7699	.2418	.1846	.1208	.0357	.0207	.1744
#3	.7673	.2420	.1793	.1230	.0358	.0207	.1702

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1401	.0540	.7286	.1654	.0534	.0578	.2235
SDev	.0003	.0014	.0042	.0003	.0015	.0003	.0007
%RSD	.1796	2.600	.5727	.1944	2.911	.5289	.2980
#1	.1399	.0527	.7242	.1650	.0551	.0575	.2227
#2	.1401	.0539	.7325	.1656	.0529	.0581	.2238
#3	.1404	.0555	.7291	.1655	.0521	.0577	.2239

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0395	.0666	.2311	.1148	.0451	.2779	.0228
SDev	.0002	.0002	.0004	.0002	.0002	.0014	.0001
%RSD	.4385	.2601	.1886	.1813	.4612	.4858	.6690
#1	.0393	.0664	.2306	.1146	.0452	.2779	.0227
#2	.0396	.0667	.2313	.1150	.0453	.2793	.0228
#3	.0396	.0667	.2314	.1149	.0449	.2766	.0230

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Avge	.0928	.0474	1.078	.4272	.0577	.1466	1.579
SDev	.0004	.0003	.004	.0006	.0003	.0014	.006
%RSD	.4488	.6777	.3343	.1331	.6083	.9796	.3634
#1	.0923	.0472	1.073	.4266	.0577	.1450	1.574
#2	.0931	.0473	1.082	.4274	.0574	.1472	1.578
#3	.0929	.0478	1.078	.4277	.0581	.1477	1.586

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Avge	1.730	1.743	.4968	.2984	.1661	.4419	.7879
SDev	.006	.004	.0012	.0012	.0016	.0014	.0004
%RSD	.3672	.2412	.2350	.3885	.9731	.3061	.0458
#1	1.722	1.738	.4955	.2976	.1644	.4418	.7876
#2	1.733	1.743	.4978	.2978	.1664	.4433	.7878
#3	1.733	1.747	.4970	.2997	.1676	.4406	.7883

Elem	Sr	Te	Th	Ti	Tl	U	V
Avge	.0171	1.167	.2677	.0744	.0424	1.947	.1125
SDev	.0001	.007	.0023	.0002	.0003	.006	.0005
%RSD	.3383	.6282	.8485	.2797	.7075	.3000	.4104
#1	.0170	1.159	.2651	.0742	.0421	1.940	.1120
#2	.0171	1.171	.2687	.0746	.0427	1.951	.1128
#3	.0171	1.171	.2693	.0745	.0424	1.949	.1128

Elem	W	Y	Zn	Zr
Avge	.0371	.0285	.0403	.0906
SDev	.0004	.0001	.0013	.0003

%RSD	.9718	.2028	3.105	.3549
#1	.0367	.0285	.0403	.0902
#2	.0372	.0285	.0390	.0907
#3	.0374	.0284	.0415	.0908

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Method: ICP1A Standard: ICP1.1B

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	.7249	1.848	1.181	.4277	6.928	4.391	1.196
SDev	.0013	.002	.004	.0013	.010	.007	.002
%RSD	.1825	.1260	.3224	.2960	.1400	.1494	.1746
#1	.7244	1.849	1.177	.4275	6.926	4.394	1.195
#2	.7239	1.845	1.181	.4266	6.920	4.384	1.195
#3	.7264	1.849	1.185	.4291	6.939	4.396	1.199

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	.4770	.6381	7.261	.8030	1.369	2.794	2.414
SDev	.0018	.0015	.017	.0011	.002	.009	.003
%RSD	.3752	.2351	.2359	.1372	.1353	.3172	.1375
#1	.4760	.6366	7.278	.8025	1.369	2.796	2.412
#2	.4760	.6396	7.244	.8023	1.367	2.784	2.412
#3	.4791	.6381	7.263	.8043	1.371	2.801	2.418

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Method: ICP1A Standard: ICP1.1A

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	7.014	16.33	10.95	3.751	65.61	38.27	10.66
SDev	.048	.04	.03	.016	.24	.10	.05
%RSD	.6785	.2694	.2687	.4279	.3639	.2678	.4167
#1	7.025	16.33	10.95	3.751	65.67	38.30	10.87
#2	7.055	16.38	10.99	3.767	65.82	38.36	10.90
#3	6.961	16.29	10.93	3.735	65.35	38.16	10.81

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	4.406	5.616	55.96	7.950	13.16	26.68	23.10
SDev	.039	.011	.05	.052	.06	.10	.13
%RSD	.8799	.2048	.0906	.6526	.4841	.3797	.5484
#1	4.422	5.616	55.91	7.960	13.17	26.67	23.15
#2	4.435	5.627	56.01	7.996	13.21	26.79	23.20
#3	4.362	5.604	55.95	7.893	13.09	26.59	22.96

Standardization Rpt. Thu 02-08-96 09:31:02 AM page 1

Method: ICP1A Standard: ICP1.2

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	59.87	40.19	78.88	8.691	2.299	10.20	6.098
SDev	.31	.26	.34	.054	.014	.11	.029
%RSD	.5133	.6418	.4373	.6181	.5891	1.065	.4730
#1	59.58	39.94	78.54	8.644	2.286	10.10	6.071
#2	59.82	40.18	78.87	8.679	2.298	10.18	6.095
#3	60.19	40.45	79.23	8.750	2.313	10.31	6.129

Elem	P
Avge	11.73
SDev	.04
%RSD	.3795
#1	11.69
#2	11.73
#3	11.78

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Method: ICP1A Standard: ICP1.3

Elem	Dy	Eu	La	Nd	Ru	Th
Avge	40.51	9.954	5.350	13.97	34.86	11.35
SDev	.18	.044	.015	.05	.09	.03
%RSD	.4540	.4440	.2858	.3488	.2464	.2924
#1	40.44	9.930	5.338	13.94	34.80	11.33
#2	40.71	10.01	5.367	14.02	34.96	11.39
#3	40.36	9.927	5.344	13.94	34.83	11.33

Standardization Rot. Thu 02-08-96 09:39:19 AM Page 1

Method: ICP1A Standard: ICP1.4

Elem	As	Ce	Sb	V	Y
Avge	21.58	21.96	29.10	11.44	2.837
SDev	.06	.07	.05	.04	.014
%RSD	.2771	.3085	.1659	.3499	.5053
#1	21.63	22.02	29.14	11.47	2.848
#2	21.59	21.96	29.13	11.45	2.842
#3	21.52	21.89	29.05	11.40	2.821

Standardization Rpt. Thu 02-08-96 09:42:50 AM page 1

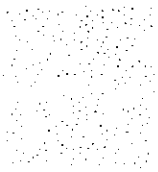
Method: ICP1A Standard: ICP1.5

Elem	U
Avge	43.19
SDev	.26
%RSD	.5984
#1	42.92
#2	43.43
#3	43.22

Standardization Rpt. Thu 02-08-96 09:46:29 AM page 1

Method: ICP1A Standard: ICP1.6

Elem	Be	Si	Te
Avge	1.657	69.19	46.27
SDev	.004	.09	.08
%RSD	.2203	.1335	.1664
#1	1.661	69.29	46.36
#2	1.657	69.18	46.23
#3	1.653	69.10	46.23



Standardization Rpt. Thu 02-08-96 09:50:11 AM page 1

Method: ICP1A Standard: ICP1.7

Elem	Al	Bi	Be	Tl
Avge	26.04	21.52	3.092	1.155
SDev	.23	.13	.018	.007
%RSD	.8930	.5811	.5686	.5765
#1	25.82	21.41	3.078	1.152
#2	26.01	21.49	3.105	1.151

#3	26.29	21.65	3.111	1.163

Standardization Rpt. Thu 02-08-96 09:51:18 AM page 1

Method: ICP1A Standard: ICP1.7

Elem	Ag	Bi	Se	Tl
Avge	26.04	21.52	3.098	1.155
SDev	.23	.13	.018	.007
%RSD	.8930	.5811	.5686	.5765

#1	25.82	21.41	3.078	1.152
#2	26.01	21.49	3.105	1.151
#3	26.29	21.65	3.111	1.163

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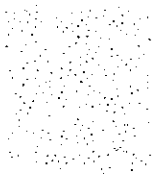
Method: ICP1A Standard: ICP1.6

Elem	Pd	Rh	Sn	W
Avge	18.20	42.39	7.510	2.786
SDev	.12	.31	.045	.016
%RSD	.6736	.7372	.5931	.5772

#1	18.25	42.54	7.535	2.796
#2	18.06	42.04	7.458	2.767
#3	18.28	42.61	7.536	2.795



Standardization Rpt. Thu 02-08-96 09:59:22 AM page 1

Method: ICP1A Standard: ICPI.9

Elem	Na+
Avge	15.84
SDev	.09
%RSD	.5457

#1	15.87
#2	15.91
#3	15.74

Standardization Report Thu 02-08-96 09:59:50 AM page 1

Method: ICP1A Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	.393667	-.303569	02/08/96 09:58:04
Al	308.215	ICP1.2	ICP1.0	8.38570	-2.02543	02/08/96 09:58:04
As	193.600	ICP1.4	ICP1.0	4.67298	-.646768	02/08/96 09:58:04

B	249.600	ICP1.2	ICP1.0	1.24780	-.152357	02/08/96 09:58:04
Ba	493.400	Multiple	Standards	1.44189	-.051372	02/08/96 09:25:51
Be	313.042	ICP1.6	ICP1.0	.611147	-.012651	02/08/96 09:58:04
Bi	223.061	ICP1.7	ICP1.0	4.68522	-.812574	02/08/96 09:58:04
Ca	317.900	ICP1.2	ICP1.0	3.17483	-.444899	02/08/96 09:58:04
Cd	228.800	ICP1.2	ICP1.0	1.15783	-.062561	02/08/96 09:58:04
Ce	418.659	ICP1.4	ICP1.0	2.35555	-1.71626	02/08/96 09:58:04
Co	228.600	Multiple	Standards	1.21255	-.200872	02/08/96 09:25:51
Cr	205.500	Multiple	Standards	1.80411	-.096582	02/08/96 09:25:51
Cu	324.700	Multiple	Standards	5.41062	-.312569	02/08/96 09:25:51
Dy	353.170	ICP1.3	ICP1.0	1.24119	-.277365	02/08/96 09:58:04
Eu	381.900	ICP1.3	ICP1.0	2.01721	-.079680	02/08/96 09:58:04
Fe	259.900	Multiple	Standards	2.98176	-.202692	02/08/96 09:25:51
K	766.500	ICP1.2	ICP1.0	241.783	-55.8761	02/08/96 09:58:04
La	398.852	ICP1.3	ICP1.0	3.82056	-.438728	02/08/96 09:58:04
Li	670.700	ICP1.2	ICP1.0	4.92506	-.222284	02/08/96 09:58:04
Mg	279.078	Multiple	Standards	6.31984	-1.76538	02/08/96 09:25:51
Mn	257.600	ICP1.2	ICP1.0	1.64596	-.037583	02/08/96 09:58:04
Mo	202.000	Multiple	Standards	1.83518	-.170464	02/08/96 09:25:51
Na	588.900	Multiple	Standards	57.7714	-2.73867	02/08/96 09:25:51
Na+	330.200	ICP1.9	ICP1.0	338.753	-365.209	02/08/96 09:58:04
Nd	406.106	ICP1.3	ICP1.0	3.69245	-1.57754	02/08/96 09:58:04
Ni	231.600	Multiple	Standards	3.52101	-.203667	02/08/96 09:25:51
P	214.900	ICP1.2	ICP1.0	8.63001	-1.26545	02/08/96 09:58:04
Pb	220.300	Multiple	Standards	.899384	-1.42153	02/08/96 09:25:51
Pd	360.959	ICP1.8	ICP1.0	3.03628	-5.25135	02/08/96 09:58:04
Rh	343.489	ICP1.6	ICP1.0	1.22995	-2.14347	02/08/96 09:58:04
Ru	240.271	ICP1.3	ICP1.0	1.45490	-.722745	02/08/96 09:58:04
Sb	206.838	ICP1.4	ICP1.0	3.47147	-1.03577	02/08/96 09:58:04
Se	196.026	ICP1.7	ICP1.0	6.82190	-1.13335	02/08/96 09:58:04
Si	288.100	ICP1.6	ICP1.0	2.90923	-1.28559	02/08/96 09:58:04
Sn	242.950	ICP1.8	ICP1.0	7.43845	-5.86075	02/08/96 09:58:04
Sr	421.500	Multiple	Standards	1.26642	-.021572	02/08/96 09:25:51
Te	214.275	ICP1.6	ICP1.0	1.10648	-1.29378	02/08/96 09:58:04
Th	283.730	ICP1.3	ICP1.0	4.51114	-1.20763	02/08/96 09:58:04
Ti	334.900	Multiple	Standards	1.53698	-.114307	02/08/96 09:25:51
Tl	190.864	ICP1.7	ICP1.0	17.9754	-.762156	02/08/96 09:58:04
U	378.280	ICP1.5	ICP1.0	12.1236	-23.6014	02/08/96 09:58:04
V	292.402	ICP1.4	ICP1.0	1.76569	-.198699	02/08/96 09:58:04
W	224.875	ICP1.8	ICP1.0	18.1893	-.674824	02/08/96 09:58:04
Y	371.030	ICP1.4	ICP1.0	3.56066	-.101360	02/08/96 09:58:04
Zn	213.800	Multiple	Standards	.738356	-.030028	02/08/96 09:25:51
Zr	339.100	Multiple	Standards	2.16234	-.196052	02/08/96 09:25:51

Standardization Report Thu 02-08-96 10:00:13 AM page 1

Method: ICP1A Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	2.52738	.303569	02/08/96 09:58:04
Al	308.215	ICP1.2	ICP1.0	.119251	2.02543	02/08/96 09:58:04
As	193.600	ICP1.4	ICP1.0	.213996	.848768	02/08/96 09:58:0-

B	249.600	ICP1.2	ICP1.0	.801407	.152357	02/08/96 09:58:04
Ba	493.400	Multiple	Standards	.693533	.051372	02/08/96 09:25:51
Be	313.042	ICP1.6	ICP1.0	1.63627	.012651	02/08/96 09:58:04
Bi	223.061	ICP1.7	ICP1.0	.213437	.812574	02/08/96 09:58:04
Ca	317.900	ICP1.2	ICP1.0	.314978	.444899	02/08/96 09:58:04
Cd	228.800	ICP1.2	ICP1.0	.863687	.062561	02/08/96 09:58:04
Ce	418.659	ICP1.4	ICP1.0	.424529	1.71626	02/08/96 09:58:04
Co	228.600	Multiple	Standards	.824707	.200872	02/08/96 09:25:51
Cr	205.500	Multiple	Standards	.554290	.096582	02/08/96 09:25:51
Cu	324.700	Multiple	Standards	.184822	.312569	02/08/96 09:25:51
Dy	353.170	ICP1.3	ICP1.0	.805677	.277365	02/08/96 09:58:04
Eu	381.900	ICP1.3	ICP1.0	.495735	.079680	02/08/96 09:58:04
Fe	259.900	Multiple	Standards	.335373	.202692	02/08/96 09:25:51
K	766.500	ICP1.2	ICP1.0	.004136	55.8761	02/08/96 09:58:04
La	398.852	ICP1.3	ICP1.0	.261742	.438728	02/08/96 09:58:04
Li	670.700	ICP1.2	ICP1.0	.203043	.222284	02/08/96 09:58:04
Mg	279.078	Multiple	Standards	.158232	1.76538	02/08/96 09:25:51
Mn	257.600	ICP1.2	ICP1.0	.607550	.037583	02/08/96 09:58:04
Mo	202.000	Multiple	Standards	.544907	.170464	02/08/96 09:25:51
Na	588.900	Multiple	Standards	.017310	2.73867	02/08/96 09:25:51
Na+	330.200	ICPI.9	ICP1.0	.002952	365.209	02/08/96 09:58:04
Nd	406.106	ICP1.3	ICP1.0	.270823	1.57754	02/08/96 09:58:04
Ni	231.600	Multiple	Standards	.284010	.203667	02/08/96 09:25:51
P	214.900	ICP1.2	ICP1.0	.115875	1.26545	02/08/96 09:58:04
Pb	220.300	Multiple	Standards	1.11187	1.42153	02/08/96 09:25:51
Pd	360.959	ICP1.8	ICP1.0	.329350	5.25135	02/08/96 09:58:04
Rh	343.489	ICP1.8	ICP1.0	.813044	2.14347	02/08/96 09:58:04
Ru	240.271	ICP1.3	ICP1.0	.687333	.722745	02/08/96 09:58:04
Sb	206.838	ICP1.4	ICP1.0	.288063	1.03577	02/08/96 09:58:04
Se	196.026	ICP1.7	ICP1.0	.146587	1.13335	02/08/96 09:58:04
Si	288.100	ICP1.6	ICP1.0	.343733	1.28559	02/08/96 09:58:04
Sn	242.950	ICP1.8	ICP1.0	.134437	5.86075	02/08/96 09:58:04
Sr	421.500	Multiple	Standards	.769626	.021572	02/08/96 09:25:51
Te	214.275	ICP1.6	ICP1.0	.902137	1.29378	02/08/96 09:58:04
Th	283.730	ICP1.3	ICP1.0	.221673	1.20763	02/08/96 09:58:04
Ti	334.900	Multiple	Standards	.650625	.114307	02/08/96 09:25:51
Tl	190.864	ICP1.7	ICP1.0	.055632	.762156	02/08/96 09:58:04
U	378.280	ICP1.5	ICP1.0	.082484	23.6014	02/08/96 09:58:04
V	292.402	ICP1.4	ICP1.0	.566350	.198699	02/08/96 09:58:04
W	224.875	ICP1.8	ICP1.0	.054977	.674824	02/08/96 09:58:04
Y	371.030	ICP1.4	ICP1.0	.280847	.101360	02/08/96 09:58:04
Zn	213.800	Multiple	Standards	1.35436	.030028	02/08/96 09:25:51
Zr	339.100	Multiple	Standards	.462461	.196052	02/08/96 09:25:51

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Method: ICP1A

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	ICP1.0	.000000	.000000	-.000000
		ICP1.7	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al	308.215	ICP1.0	.000000	-.000000	.000000
		ICP1.2	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As	193.600	ICP1.0	.000000	.000000	-.000000
		ICP1.4	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B	249.600	ICP1.0	.000000	-.000000	.000000
		ICP1.2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	ICP1.0	.000000	.000055	-.000055
		ICP1.1B	1.00000	.993856	.006144
		ICP1.1A	10.0000	10.0614	-.061440
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	ICP1.0	.000000	-.000000	.000000
		ICP1.6	1.00000	1.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	ICP1.0	.000000	.000000	-.000000
		ICP1.7	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	ICP1.0	.000000	.000000	-.000000
		ICP1.2	250.000	250.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	ICP1.0	.000000	.000000	-.000000
		ICP1.2	10.0000	10.0000	-.000001
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	ICP1.0	.000000	-.000000	.000000
		ICP1.4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	ICP1.0	.000000	-.000357	.000357
		ICP1.1B	2.00000	2.03964	-.039639
		ICP1.1A	20.0000	19.6036	.396395
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	ICP1.0	.000000	-.000303	.000303
		ICP1.1B	2.00000	2.03365	-.033652
		ICP1.1A	20.0000	19.6635	.336517
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	ICP1.0	.000000	-.000016	.000016
		ICP1.1B	2.00000	2.00173	-.001733
		ICP1.1A	20.0000	19.9827	.017334
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	ICP1.0	.000000	.000000	-.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	ICP1.0	.000000	-.004107	.004107
		ICP1.1B	20.0000	20.4563	-.456305
		ICP1.1A	200.000	195.437	4.56303
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	ICP1.0	.000000	-.000002	.000002
		ICP1.2	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	ICP1.0	.000000	.000000	-.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	ICP1.0	.000000	-.000000	.000000
		ICP1.2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	ICP1.0	.000000	-.008886	.008886
		ICP1.1B	25.0000	25.9874	-.987364
		ICP1.1A	250.000	240.126	9.87364
CorCoef:	0.99997				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	ICP1.0	.000000	-.000000	.000000
		ICP1.2	10.0000	10.0000	.000000
			Known	Measured	Residual

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	ICP1.0	.000000	-.000221	.000221
		ICP1.1B	2.00000	2.02459	-.024590
		ICP1.1A	20.0000	19.7541	.245895
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	ICP1.0	.000000	.001618	-.001618
		ICP1.1B	25.0000	24.8202	.179808
		ICP1.1A	250.000	251.798	-1.79807
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na+	330.200	ICP1.0	.000000	-.000005	.000005
		ICP1.9	5000.00	5000.00	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	ICP1.0	.000000	-.000368	.000368
		ICP1.1B	2.00000	2.04309	-.043087
		ICP1.1A	20.0000	19.5691	.430870
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	ICP1.0	.000000	-.000000	.000000
		ICP1.2	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	ICP1.0	.000000	-.000984	.000984
		ICP1.1B	5.00000	5.10932	-.109318
		ICP1.1A	50.0000	48.9068	1.09318
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ru	240.271	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000

Known	Measured	Residual

Element	Wavelength	Standard	Concentration	Concentration	Concentration
Sb	206.838	ICP1.0	.000000	.000000	-.000000
		ICP1.4	100.000	100.000	.000000
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
Se	196.026	ICP1.0	.000000	.000000	-.000000
		ICP1.7	20.0000	20.0000	.000000
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
Si	288.100	ICP1.0	.000000	-.000000	.000000
		ICP1.6	200.000	200.000	.000000
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
Sn	242.950	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	.000000
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
Sr	421.500	ICP1.0	.000000	.000041	-.000041
		ICP1.1B	1.00000	.995407	.004593
		ICP1.1A	10.0000	10.0459	-.045933
CorCoef:	1.00000				
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
Te	214.275	ICP1.0	.000000	.000000	-.000000
		ICP1.6	50.0000	50.0000	.000000
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
Th	283.730	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
Ti	334.900	ICP1.0	.000000	.000096	-.000096
		ICP1.1B	2.00000	1.98936	.010636
		ICP1.1A	20.0000	20.1064	-.106365
CorCoef:	1.00000				
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
Tl	190.864	ICP1.0	.000000	.000000	-.000000
		ICP1.7	20.0000	20.0000	.000000
			Known	Measured	Residual
Element	Wavelength	Standard	Concentration	Concentration	Concentration
U	378.280	ICP1.0	.000000	.000000	-.000000
		ICP1.5	500.000	500.000	-.000031

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	ICP1.0	.000000	.000000	-.000000
		ICP1.4	20.0000	20.0000	.000000
			Known	Measured	Residual

Element	Wavelength	Standard	Concentration	Concentration	Concentration
W	224.875	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	50.0000	.000004

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	ICP1.0	.000000	-.000000	.000000
		ICP1.4	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	ICP1.0	.000000	-.000297	.000297
		ICP1.1B	2.00000	2.03296	-.032964
		ICP1.1A	20.0000	19.6704	.329645

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	ICP1.0	.000000	-.000216	.000216
		ICP1.1B	5.00000	5.02399	-.023988
		ICP1.1A	50.0000	49.7601	.239880

CorCoef: 1.00000

Analysis Report Thu 02-08-96 10:25:24 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/08/96 10:23:59
Comment: (C118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0143	.0235	.0169	.0035	.0011	.0001	-.0093
SDev	.0014	.0083	.0101	.0013	.0004	.0001	.0151
%RSD	9.846	35.45	60.06	38.09	34.29	87.03	162.1
#1	.0159	.0331	.0277	.0048	.0015	.0002	.0072
#2	.0133	.0194	.0077	.0035	.0010	.0000	-.0223
#3	.0136	.0180	.0152	.0022	.0008	.0001	-.0128

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0078	.0032	.0322	.0024	-.0006	.0027	.0038
SDev	.0016	.0012	.0080	.0006	.0013	.0008	.0014
%RSD	20.17	39.20	24.81	27.08	200.6	29.73	36.59
#1	.0093	.0034	.0413	.0032	.0003	.0029	.0054
#2	.0078	.0018	.0261	.0021	-.0021	.0034	.0029
#3	.0062	.0043	.0293	.0020	-.0001	.0018	.0030

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	-.0027	.8865	.0087	.0039	-.0109	.0005
SDev	.0004	.0016	.1954	.0022	.0012	.0133	.0003
%RSD	23.74	60.48	22.04	24.95	31.46	121.7	56.02
#1	.0021	-.0010	1.112	.0100	.0053	.0041	.0009
#2	.0015	-.0028	.7737	.0100	.0028	-.0210	.0004
#3	.0013	-.0043	.7737	.0062	.0038	-.0159	.0003

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.0765	6.220	.0306	-.0027	.0238	.0200
SDev	.0014	.0120	1.287	.0089	.0016	.0147	.0041
%RSD	44.41	15.71	20.69	29.08	57.97	61.64	20.43
#1	.0043	.0803	7.705	.0407	-.0026	.0394	.0246
#2	.0016	.0862	5.444	.0266	-.0044	.0218	.0170
#3	.0033	.0831	5.511	.0243	-.0012	.0102	.0183

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1011	.0365	.0101	.0147	.0110	.0815	.0723
SDev	.0241	.0089	.0035	.0057	.0041	.0025	.0322
%RSD	23.87	24.38	34.61	39.04	37.65	3.045	44.50
#1	.1287	.0467	.0141	.0211	.0121	.0843	.1094
#2	.0901	.0329	.0075	.0129	.0144	.0803	.0539
#3	.0844	.0300	.0088	.0100	.0064	.0798	.0535

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0258	-.0042	.0017	.0006	.4931	.0021
SDev	.0001	.0110	.0099	.0005	.0009	.1145	.0003

%RSD	21.64	42.51	235.9	27.00	140.4	23.22	16.01
#1	.0008	.0374	-.0103	.0021	-.0003	.6253	.0024
#2	.0006	.0157	.0072	.0017	.0007	.4243	.0017
#3	.0006	.0242	-.0095	.0012	.0015	.4298	.0023

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0067	.0016	.0006	.0027
SDev	.0144	.0005	.0002	.0018
%RSD	214.9	34.33	40.57	64.08
#1	.0204	.0022	.0005	.0046
#2	.0080	.0012	.0004	.0011
#3	-.0083	.0012	.0008	.0025

Analysis Report QC Standard Thu 02-08-96 10:28:44 AM page 1

Method: ICP1A Sample Name: QC_MCVA 960103I901 Operator: DRS
Run Time: 02/08/96 10:27:25
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

FAIL
DRS 2/8/96

Elem	Ag	Al	As	B	Be	Be	Bi

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.5562	10.70	2.636	02.212	.5358	.1049	26.54
SDev	.0032	.07	.028	.015	.0042	.0007	.18
%RSD	.5721	.6467	1.058	.6941	.7801	.6746	.6920
#1	0.5558	10.72	2.639	02.222	.5371	.1051	26.53
#2	0.5533	10.63	2.606	2.194	.5312	.1041	26.36
#3	0.5596	10.76	2.662	02.220	.5392	.1055	26.73
Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	27.30	.5460	.0118	1.099	1.097	1.023	.0018
SDev	.16	.0036	.0066	.005	.012	.008	.0006
%RSD	.5979	.6619	55.62	.4165	1.131	.8299	31.59
#1	27.33	0.5501	.0064	1.099	1.087	1.028	.0012
#2	27.12	.5434	.0191	1.094	1.093	1.013	.0023
#3	27.44	.5444	.0099	01.103	01.111	1.027	.0019
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	022.13	26.20	.0054	2.122	035.64	0.5538
SDev	.0003	.15	.15	.0017	.010	.25	.0030
%RSD	11.60	.6762	.5638	32.17	.4636	.6425	.5344
#1	.0026	022.17	26.04	.0051	2.125	035.68	0.5548
#2	.0031	21.96	26.33	.0072	2.111	035.39	0.5505
#3	.0026	022.25	26.23	.0038	2.130	035.84	0.5561
Errors	NOCHECK	QC Fail	QC Pass	NOCHECK	QC Pass	QC Fail	QC Fail
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	01.102	39.96	49.48	.0178	1.098	5.349	02.768
SDev	.002	.19	.85	.0092	.012	.018	.005
%RSD	.2049	.4735	1.727	51.33	1.082	.3284	.1765
#1	01.102	40.02	48.50	.0110	01.105	5.363	02.767
#2	01.100	39.74	50.09	.0282	1.085	5.354	02.764
#3	01.105	40.11	49.83	.0143	01.105	5.329	02.774
Errors	QC Fail	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Fail
Value	1.000	36.70			1.000		2.500

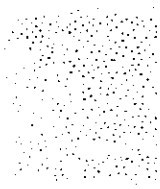
Range	.1000	3.670			.1000		.2500

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0290	.0125	.0006	02.916	2.744	20.32	.1097

SDev	.0161	.0098	.0020	.014	.007	.13	.0265
%RSD	55.39	77.83	335.6	.4821	.2374	.6421	24.13
#1	.0164	.0056	.0015	Q2.931	Q2.751	20.36	.1126
#2	.0472	.0237	.0020	Q2.913	2.738	20.18	.1346
#3	.0235	.0083	-.0017	Q2.903	2.743	20.43	.0819
Errors	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK
Value				2.500	2.500	20.00	
Range				.2500	.2500	2.000	

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5449	.0628	.0256	1.074	2.702	.3861	1.020
SDev	.0043	.0051	.0043	.007	.036	.1006	.007
%RSD	.7912	8.052	16.88	.6690	1.344	26.05	.6854
#1	.5464	.0605	.0301	1.076	2.697	.3319	1.022
#2	.5401	.0594	.0252	1.066	2.669	.5022	1.013
#3	.5483	.0687	.0215	1.080	2.741	.3243	1.026
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.5000			1.000	2.500		1.000
Range	.0500			.1000	.2500		.1000

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0384	.0018	1.092	2.153
SDev	.0115	.0001	.009	.017
%RSD	29.84	7.566	.8642	.7972
#1	.0513	.0018	1.086	2.160
#2	.0348	.0020	1.089	2.136
#3	.0292	.0018	Q1.103	2.169
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			1.000	2.000
Range			.1000	.2000



Analysis Report QC Standard Thu 02-08-96 10:34:15 AM page 1

Method: ICP1A Sample Name: QC_MCVA 960103I901 Operator: DRS
Run Time: 02/08/96 10:32:56
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

FAIL DW 2/8/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5415	10.57	2.606	2.193	.5302	.1041	26.40
SDev	.0105	.25	.061	.059	.0140	.0025	.60
%RSD	1.945	2.385	2.353	2.704	2.648	2.422	2.260
#1	.5494	10.76	2.657	Q2.238	.5406	.1060	26.80
#2	.5454	10.67	2.622	Q2.216	.5357	.1051	26.68
#3	.5295	10.28	2.538	2.126	.5142	.1013	25.72
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	27.06	.5359	.0009	1.095	1.093	1.033	.0006
SDev	.53	.0140	.0153	.019	.015	.025	.0027
%RSD	1.953	2.617	1724.	1.750	1.370	2.408	493.3
#1	27.44	.5446	-.0126	Q1.108	Q1.106	1.053	-.0019
#2	27.28	.5433	-.0021	Q1.104	1.097	1.040	.0001
#3	26.46	.5197	.0174	1.073	1.076	1.005	.0035
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	21.94	25.87	.0038	2.085	Q35.32	.5478
SDev	.0008	.51	.10	.0029	.069	.76	.0111
%RSD	37.16	2.313	.3891	76.39	3.310	2.151	2.030
#1	.0015	Q22.31	25.84	.0014	2.145	Q35.90	Q.5549
#2	.0019	Q22.16	25.98	.0030	2.100	Q35.59	Q.5535
#3	.0030	21.36	25.79	.0071	2.009	Q34.46	.5350
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Fail	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.095	39.45	47.27	.0085	1.090	5.408	2.746
SDev	.021	1.04	1.47	.0162	.018	.169	.039
%RSD	1.931	2.645	3.105	190.0	1.632	3.131	1.415
#1	Q1.107	Q40.37	46.26	-.0062	Q1.100	5.517	Q2.776
#2	Q1.107	39.67	46.60	.0059	1.099	5.493	Q2.759
#3	1.070	38.32	48.96	.0259	1.069	5.213	2.702
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	1.000	36.70			1.000		2.500

Range	.1000	3.670			.1000		.2500
Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0164	.0065	-.0016	Q2.867	2.732	20.05	.2560
SDev	.0479	.0226	.0079	.056	.056	.43	.0474
%RSD	291.2	347.1	505.8	1.970	2.041	2.146	18.51
#1	-.0531	-.0099	-.0083	Q2.896	Q2.767	20.35	.2211
#2	-.0339	-.0029	-.0036	Q2.903	Q2.762	20.24	.2370
#3	.0377	.0323	.0072	Q2.802	2.668	19.56	.3099
Errors	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK
Value				2.500	2.500	20.00	
Range				.2500	.2500	2.000	

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5395	.0556	.0304	1.064	2.667	.2172	1.010
SDev	.0147	.0123	.0080	.025	.049	.2389	.022
%RSD	2.725	22.23	26.48	2.376	1.833	110.0	2.228
#1	Q.5507	.0477	.0325	1.083	2.696	.0555	1.026
#2	.5449	.0492	.0372	1.075	2.694	.1046	1.019
#3	.5228	.0698	.0215	1.035	2.611	.4916	.9841
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.5000			1.000	2.500		1.000
Range	.0500			.1000	.2500		.1000

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0475	.0016	1.089	2.136
SDev	.0066	.0011	.018	.052
%RSD	13.78	70.22	1.644	2.428
#1	.0406	.0007	Q1.100	2.174
#2	.0536	.0013	1.099	2.156
#3	.0484	.0029	1.069	2.077
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			1.000	2.000
Range			.1000	.2000

Standardization Rpt. Thu 02-08-96 10:37:41 AM page 1

Method: ICP1A Standard: ICP1.0

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.7893	.2474	.1857	.1262	.0365	.0211	.1742
SDev	.0037	.0011	.0012	.0007	.0002	.0001	.0028
%RSD	.4624	.4661	.6471	.5392	.5479	.2732	1.633
#1	.7935	.2487	.1856	.1257	.0367	.0212	.1775
#2	.7875	.2470	.1869	.1270	.0365	.0211	.1723
#3	.7869	.2465	.1845	.1260	.0363	.0211	.1729

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1446	.0577	.7442	.1693	.0540	.0592	.2282
SDev	.0010	.0018	.0044	.0007	.0010	.0005	.0013
%RSD	.6647	3.177	.5874	.4020	1.879	.8507	.5835
#1	.1456	.0581	.7483	.1701	.0538	.0597	.2297
#2	.1444	.0557	.7447	.1691	.0551	.0587	.2279
#3	.1437	.0593	.7396	.1688	.0531	.0591	.2271

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0405	.0687	.2346	.1177	.0462	.2840	.0234
SDev	.0002	.0008	.0014	.0006	.0001	.0020	.0002
%RSD	.4938	1.099	.5818	.4678	.1251	.6947	.7402
#1	.0407	.0694	.2361	.1183	.0462	.2863	.0236
#2	.0405	.0688	.2344	.1177	.0462	.2831	.0233
#3	.0403	.0679	.2334	.1172	.0461	.2827	.0233

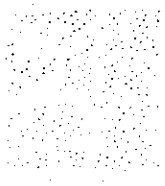
Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Avge	.0953	.0490	1.103	.4370	.0568	.1502	1.624
SDev	.0008	.0002	.009	.0023	.0005	.0018	.004
%RSD	.7922	.4251	.8079	.5239	.8856	1.164	.2367
#1	.0945	.0492	1.112	.4396	.0573	.1521	1.627
#2	.0960	.0488	1.105	.4363	.0569	.1487	1.624
#3	.0954	.0489	1.094	.4352	.0563	.1497	1.620

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Avge	1.773	1.782	.5099	.3054	.1696	.4656	.8056
SDev	.012	.012	.0027	.0031	.0012	.0026	.0048
%RSD	.7046	.6677	.5213	1.002	.7036	.5486	.5967
#1	1.787	1.796	.5124	.3089	.1692	.4682	.8111
#2	1.770	1.775	.5101	.3031	.1686	.4654	.8035
#3	1.763	1.775	.5071	.3043	.1709	.4631	.8022

Elem	Sr	Te	Th	Ti	Tl	U	V
Avge	.0177	1.197	.2744	.0761	.0429	1.993	.1148
SDev	.0001	.004	.0015	.0003	.0001	.007	.0007
%RSD	.6536	.3343	.5610	.4016	.2694	.3505	.5798
#1	.0178	1.201	.2761	.0764	.0430	1.998	.1156
#2	.0176	1.193	.2731	.0760	.0428	1.997	.1145
#3	.0176	1.197	.2740	.0758	.0428	1.985	.1144

Elem	W	Y	Zn	Zr
Avge	.0377	.0291	.0409	.0925
SDev	.0006	.0001	.0006	.0006

%RSD	1.460	.3973	1.475	.6149
#1	.0371	.0292	.0415	.0931
#2	.0380	.0290	.0408	.0923
#3	.0381	.0290	.0403	.0920



Standardization Rpt. Thu 02-08-96 10:39:37 AM page 1

Method: ICP1A Standard: ICP1.1B

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	.7659	1.971	1.260	.4493	7.360	4.658	1.277
SDev	.0032	.007	.013	.0013	.027	.016	.005
%RSD	.4121	.3783	1.002	.2780	.3630	.3502	.3918
#1	.7635	1.966	1.256	.4489	7.344	4.652	1.272
#2	.7648	1.967	1.249	.4483	7.345	4.645	1.276
#3	.7695	1.979	1.274	.4507	7.391	4.676	1.282

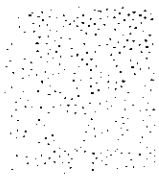
Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	.5057	.6834	7.689	.8567	1.452	2.989	2.555
SDev	.0043	.0022	.022	.0040	.006	.016	.010
%RSD	.8551	.3209	.2822	.4655	.4213	.5312	.3939
#1	.5028	.6843	7.687	.8537	1.448	2.980	2.548
#2	.5037	.6850	7.669	.8551	1.449	2.980	2.551
#3	.5107	.6809	7.712	.8612	1.459	3.007	2.567

Standardization Rpt. Thu 02-08-96 10:43:25 AM page 1

Method: ICP1A Standard: ICP1.1A

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	7.189	17.10	11.41	3.844	68.05	39.71	11.33
SDev	.020	.04	.04	.015	.14	.09	.03
%RSD	.2765	.2128	.3243	.4022	.2005	.2152	.2293
#1	7.175	17.08	11.37	3.833	67.98	39.64	11.31
#2	7.179	17.08	11.40	3.837	67.97	39.68	11.31
#3	7.211	17.14	11.45	3.862	68.21	39.80	11.36

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	4.505	5.897	58.63	8.223	13.62	27.93	23.83
SDev	.007	.014	.14	.025	.04	.05	.05
%RSD	.1627	.2394	.2389	.3047	.2723	.1639	.2186
#1	4.504	5.889	58.54	8.206	13.60	27.89	23.80
#2	4.498	5.889	58.55	8.211	13.60	27.91	23.80
#3	4.513	5.913	58.79	8.252	13.67	27.98	23.89



Standardization Rpt. Thu 02-08-96 10:47:06 AM page 1

Method: ICP1A Standard: ICP1.2

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	61.76	41.56	82.25	8.993	2.354	10.42	6.330
SDev	.23	.17	.27	.038	.009	.04	.021
%RSD	.3691	.3993	.3306	.4198	.3669	.3623	.3268
#1	61.52	41.37	81.94	8.950	2.344	10.38	6.306
#2	61.97	41.68	82.42	9.020	2.361	10.45	6.339
#3	61.80	41.63	82.39	9.010	2.358	10.42	6.345

Elem	P
Avge	12.18
SDev	.04
%RSD	.3298
#1	12.14
#2	12.20
#3	12.21

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Standardization Rpt. Thu 02-08-96 10:50:37 AM

Method: ICP1A Standard: ICP1.3

Elem	Dy	Eu	La	Nd	Ru	Th
Avge	41.37	10.19	5.484	14.28	35.83	11.63
SDev	.16	.04	.019	.06	.11	.04
%RSD	.3907	.3923	.3462	.3940	.3038	.3062
#1	41.27	10.16	5.466	14.22	35.72	11.60
#2	41.55	10.24	5.504	14.34	35.94	11.67
#3	41.28	10.18	5.483	14.27	35.83	11.62

Standardization Rot. Thu 02-08-96 10:54:06 AM page 1

Method: ICP1A Standard: ICP1.4

Elem	As	Ce	Sb	V	Y
Avge	21.89	22.12	29.43	11.53	2.858
SDev	.05	.06	.06	.03	.007
%RSD	.2308	.2727	.2074	.2319	.2433
#1	21.84	22.08	29.38	11.51	2.854
#2	21.94	22.19	29.50	11.56	2.866
#3	21.87	22.09	29.40	11.52	2.855

Standardization Rpt. Thu 02-08-96 10:57:51 AM page 1

Method: ICP1A Standard: ICP1.5

Elem	U
Avge	43.55
SDev	.13
%RSD	.2900
#1	43.50
#2	43.46
#3	43.70

Standardization Rot. Thu 02-08-96 11:01:20 AM page 1

Method: ICP1A Standard: ICP1.6

Elem	Be	Si	Te
Avge	1.708	71.29	47.62
SDev	.016	.62	.44
%RSD	.9359	.8628	.9146
#1	1.694	70.74	47.26
#2	1.704	71.17	47.49
#3	1.725	71.96	48.11

Standardization Rot. Thu 02-08-96 11:04:50 AM page 1

Method: ICP1A Standard: ICP1.7

Elem	Ag	Bi	Se	Tl
Avge	27.66	22.53	3.273	1.209
SDev	.07	.06	.012	.003
%RSD	.2656	.2668	.3702	.2689
#1	27.74	22.59	3.287	1.210
#2	27.64	22.54	3.264	1.212
#3	27.60	22.47	3.268	1.206

Standardization Rpt. Thu 02-08-96 11:08:26 AM page 1

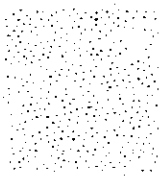
Method: ICP1A Standard: ICP1.8

Elem	Pd	Rh	Sn	W
Avge	18.20	42.34	7.549	2.775
SDev	.07	.16	.023	.011
%RSD	.3986	.3843	.3070	.4045
#1	18.12	42.15	7.522	2.763
#2	18.24	42.45	7.563	2.780
#3	18.24	42.41	7.561	2.784

Standardization Rpt. Thu 02-08-96 11:11:54 AM page 1

Method: ICP1A Standard: ICPI.9

Elem	Na+
Avge	15.65
SDev	.13
%RSD	.8307
#1	15.77
#2	15.67
#3	15.51



Standardization Report Thu 02-08-96 11:12:22 AM page 1

Method: ICP1A Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	.372147	-.293735	02/08/96 11:10:36
Al	308.215	ICP1.2	ICP1.0	8.12825	-2.01093	02/08/96 11:10:36
As	193.600	ICP1.4	ICP1.0	4.60820	-.855590	02/08/96 11:10:36
B	249.600	ICP1.2	ICP1.0	1.20672	-.152328	02/08/96 11:10:36
Ba	493.400	Multiple	Standards	1.38450	-.050622	02/08/96 10:42:08
Be	313.042	ICP1.6	ICP1.0	.592862	-.012529	02/08/96 11:10:36
Bi	223.061	ICP1.7	ICP1.0	4.47235	-.779232	02/08/96 11:10:36
Ca	317.900	ICP1.2	ICP1.0	3.04483	-.440181	02/08/96 11:10:36
Cd	228.800	ICP1.2	ICP1.0	1.11912	-.064573	02/08/96 11:10:36
Ce	418.659	ICP1.4	ICP1.0	2.33869	-1.74045	02/08/96 11:10:36
Co	228.600	Multiple	Standards	1.14486	-.194418	02/08/96 10:42:08
Cr	205.500	Multiple	Standards	1.70888	-.092816	02/08/96 10:42:08
Cu	324.700	Multiple	Standards	5.20443	-.308200	02/08/96 10:42:08
Dy	353.170	ICP1.3	ICP1.0	1.21542	-.277399	02/08/96 11:10:36
Eu	381.900	ICP1.3	ICP1.0	1.96964	-.079770	02/08/96 11:10:36
Fe	259.900	Multiple	Standards	2.83945	-.201342	02/08/96 10:42:08
K	766.500	ICP1.2	ICP1.0	235.894	-55.3485	02/08/96 11:10:36
La	398.852	ICP1.3	ICP1.0	3.72680	-.438769	02/08/96 11:10:36
Li	670.700	ICP1.2	ICP1.0	4.82137	-.222586	02/08/96 11:10:36
Mg	279.078	Multiple	Standards	6.01426	-1.71988	02/08/96 10:42:08
Mn	257.600	ICP1.2	ICP1.0	1.58567	-.037105	02/08/96 11:10:36
Mo	202.000	Multiple	Standards	1.73607	-.165902	02/08/96 10:42:08
Na	588.900	Multiple	Standards	55.4128	-2.71615	02/08/96 10:42:08
Na+	330.200	ICP1.9	ICP1.0	343.654	-379.177	02/08/96 11:10:36
Nd	406.106	ICP1.3	ICP1.0	3.61313	-1.57906	02/08/96 11:10:36
Ni	231.600	Multiple	Standards	3.30471	-.188448	02/08/96 10:42:08
P	214.900	ICP1.2	ICP1.0	8.31076	-1.24800	02/08/96 11:10:36
Pb	220.300	Multiple	Standards	.850042	-1.38155	02/08/96 10:42:08
Pd	360.959	ICP1.8	ICP1.0	3.04353	-5.39729	02/08/96 11:10:36
Rh	343.489	ICP1.8	ICP1.0	1.23290	-2.19687	02/08/96 11:10:36
Ru	240.271	ICP1.3	ICP1.0	1.41563	-.721784	02/08/96 11:10:36
Sb	206.838	ICP1.4	ICP1.0	3.43399	-1.04885	02/08/96 11:10:36
Se	196.026	ICP1.7	ICP1.0	6.44448	-1.09277	02/08/96 11:10:36
Si	288.100	ICP1.6	ICP1.0	2.82388	-1.31470	02/08/96 11:10:36
Sn	242.950	ICP1.8	ICP1.0	7.41484	-5.97340	02/08/96 11:10:36
Sr	421.500	Multiple	Standards	1.20524	-.021393	02/08/96 10:42:08
Te	214.275	ICP1.6	ICP1.0	1.07703	-1.28939	02/08/96 11:10:36
Th	283.730	ICP1.3	ICP1.0	4.40320	-1.20824	02/08/96 11:10:36
Ti	334.900	Multiple	Standards	1.46497	-.111572	02/08/96 10:42:08
Tl	190.864	ICP1.7	ICP1.0	17.1487	-.735109	02/08/96 11:10:36
U	378.280	ICP1.5	ICP1.0	12.0312	-23.9833	02/08/96 11:10:36
V	292.402	ICP1.4	ICP1.0	1.75201	-.201189	02/08/96 11:10:36
W	224.875	ICP1.8	ICP1.0	18.2637	-.689151	02/08/96 11:10:36
Y	371.030	ICP1.4	ICP1.0	3.53453	-.102737	02/08/96 11:10:36
Zn	213.800	Multiple	Standards	.697359	-.028997	02/08/96 10:42:08
Zr	339.100	Multiple	Standards	2.06800	-.192048	02/08/96 10:42:08

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Method: ICP1A Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	2.68711	.293735	02/08/96 11:10:36
Al	308.215	ICP1.2	ICP1.0	.123028	2.01093	02/08/96 11:10:36
As	193.600	ICP1.4	ICP1.0	.217004	.855590	02/08/96 11:10:36
B	249.600	ICP1.2	ICP1.0	.828693	.152328	02/08/96 11:10:36
Ba	493.400	Multiple	Standards	.722283	.050622	02/08/96 10:42:08
Be	313.042	ICP1.6	ICP1.0	1.68673	.012529	02/08/96 11:10:36
Bi	223.061	ICP1.7	ICP1.0	.223596	.779232	02/08/96 11:10:36
Ca	317.900	ICP1.2	ICP1.0	.328426	.440181	02/08/96 11:10:36
Cd	228.800	ICP1.2	ICP1.0	.893557	.064573	02/08/96 11:10:36
Ce	418.659	ICP1.4	ICP1.0	.427590	1.74045	02/08/96 11:10:36
Co	228.600	Multiple	Standards	.873468	.194418	02/08/96 10:42:08
Cr	205.500	Multiple	Standards	.585180	.092816	02/08/96 10:42:08
Cu	324.700	Multiple	Standards	.192144	.308200	02/08/96 10:42:08
Dy	353.170	ICP1.3	ICP1.0	.822763	.277399	02/08/96 11:10:36
Eu	381.900	ICP1.3	ICP1.0	.507707	.079770	02/08/96 11:10:36
Fe	259.900	Multiple	Standards	.352181	.201342	02/08/96 10:42:08
K	766.500	ICP1.2	ICP1.0	.004239	55.3485	02/08/96 11:10:36
La	398.852	ICP1.3	ICP1.0	.268327	.438769	02/08/96 11:10:36
Li	670.700	ICP1.2	ICP1.0	.207410	.222586	02/08/96 11:10:36
Mg	279.078	Multiple	Standards	.166271	1.71988	02/08/96 10:42:08
Mn	257.600	ICP1.2	ICP1.0	.630647	.037105	02/08/96 11:10:36
Mo	202.000	Multiple	Standards	.576012	.165902	02/08/96 10:42:08
Na	588.900	Multiple	Standards	.018046	2.71615	02/08/96 10:42:08
Na+	330.200	ICP1.9	ICP1.0	.002910	379.177	02/08/96 11:10:36
Nd	406.106	ICP1.3	ICP1.0	.276769	1.57906	02/08/96 11:10:36
Ni	231.600	Multiple	Standards	.302596	.188448	02/08/96 10:42:08
P	214.900	ICP1.2	ICP1.0	.120326	1.24800	02/08/96 11:10:36
Pb	220.300	Multiple	Standards	1.17641	1.36155	02/08/96 10:42:08
Pd	360.959	ICP1.8	ICP1.0	.328866	5.39729	02/08/96 11:10:36
Rh	343.489	ICP1.8	ICP1.0	.811093	2.19687	02/08/96 11:10:36
Ru	240.271	ICP1.3	ICP1.0	.706398	.721784	02/08/96 11:10:36
Sb	206.838	ICP1.4	ICP1.0	.291207	1.04685	02/08/96 11:10:36
Se	196.026	ICP1.7	ICP1.0	.155172	1.09277	02/08/96 11:10:36
Si	288.100	ICP1.6	ICP1.0	.354123	1.31470	02/08/96 11:10:36
Sn	242.950	ICP1.8	ICP1.0	.134865	5.97340	02/08/96 11:10:36
Sr	421.500	Multiple	Standards	.829708	.021393	02/08/96 10:42:08
Te	214.275	ICP1.6	ICP1.0	.928476	1.28939	02/08/96 11:10:36
Th	283.730	ICP1.3	ICP1.0	.227107	1.20824	02/08/96 11:10:36
Ti	334.900	Multiple	Standards	.682609	.111572	02/08/96 10:42:08
Tl	190.864	ICP1.7	ICP1.0	.058313	.735109	02/08/96 11:10:36
U	378.280	ICP1.5	ICP1.0	.083117	23.9833	02/08/96 11:10:36
V	292.402	ICP1.4	ICP1.0	.570773	.201189	02/08/96 11:10:36
W	224.875	ICP1.8	ICP1.0	.054753	.689151	02/08/96 11:10:36
Y	371.030	ICP1.4	ICP1.0	.282923	.102737	02/08/96 11:10:36
Zn	213.800	Multiple	Standards	1.43398	.028997	02/08/96 10:42:08
Zr	339.100	Multiple	Standards	.483559	.192048	02/08/96 10:42:08

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Method: ICP1A

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	ICP1.0	.000000	.000000	-.000000
		ICP1.7	10.0000	10.0000	.000000
Al	308.215	ICP1.0	.000000	-.000000	.000000
		ICP1.2	500.000	500.000	.000000
As	193.600	ICP1.0	.000000	-.000000	.000000
		ICP1.4	100.000	100.000	-.000008
B	249.600	ICP1.0	.000000	-.000000	.000000
		ICP1.2	50.0000	50.0000	.000000
Ba	493.400	ICP1.0	.000000	-.000088	.000088
		ICP1.1B	1.00000	1.00981	-.009811
		ICP1.1A	10.0000	9.90189	.098110
CorCoef:	1.00000				
Be	313.042	ICP1.0	.000000	-.000000	.000000
		ICP1.6	1.00000	1.00000	.000000
Bi	223.061	ICP1.0	.000000	.000000	-.000000
		ICP1.7	100.000	100.000	.000000
Ca	317.900	ICP1.0	.000000	.000000	-.000000
		ICP1.2	250.000	250.000	.000000
Cd	228.800	ICP1.0	.000000	.000000	-.000000
		ICP1.2	10.0000	10.00000	.000001
Ce	418.659	ICP1.0	.000000	-.000000	.000000
		ICP1.4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	ICP1.0	.000000	-.000555	.000555
		ICP1.1B	2.00000	2.06165	-.061645
		ICP1.1A	20.0000	19.3835	.616455
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	ICP1.0	.000000	-.000537	.000537
		ICP1.1B	2.00000	2.05968	-.059683
		ICP1.1A	20.0000	19.4032	.596828
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	ICP1.0	.000000	-.000271	.000271
		ICP1.1B	2.00000	2.03015	-.030150
		ICP1.1A	20.0000	19.6985	.301502
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	ICP1.0	.000000	.000000	-.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	ICP1.0	.000000	-.006272	.006272
		ICP1.1B	20.0000	20.6969	-.696913
		ICP1.1A	200.000	193.031	6.96912
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	ICP1.0	.000000	.000001	-.000001
		ICP1.2	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	ICP1.0	.000000	-.000000	.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	ICP1.0	.000000	-.000000	.000000
		ICP1.2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	ICP1.0	.000000	-.011626	.011626
		ICP1.1B	25.0000	26.2918	-1.29176
		ICP1.1A	250.000	237.082	12.9176
CorCoef:	0.99995				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	ICP1.0	.000000	-.000000	.000000
		ICP1.2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	ICP1.0	.000000	-.000454	.000454
		ICP1.1B	2.00000	2.05043	-.050428
		ICP1.1A	20.0000	19.4957	.504284
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	ICP1.0	.000000	-.002771	.002771
		ICP1.1B	25.0000	25.3080	-.307957
		ICP1.1A	250.000	246.920	3.07954
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na+	330.200	ICP1.0	.000000	-.000006	.000006
		ICPI.9	5000.00	5000.00	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	ICP1.0	.000000	-.000630	.000630
		ICP1.1B	2.00000	2.06999	-.069991
		ICP1.1A	20.0000	19.3001	.699911
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	ICP1.0	.000000	-.000000	.000000
		ICP1.2	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	ICP1.0	.000000	-.001392	.001392
		ICP1.1B	5.00000	5.15468	-.154679
		ICP1.1A	50.0000	48.4532	1.54679
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ru	240.271	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb	206.838	ICP1.0	.000000	-.000000	.000000
		ICP1.4	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se	196.026	ICP1.0	.000000	.000000	-.000000
		ICP1.7	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si	288.100	ICP1.0	.000000	-.000000	.000000
		ICP1.6	200.000	200.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn	242.930	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	ICP1.0	.000000	-.000100	.000100
		ICP1.1B	1.00000	1.01110	-.011100
		ICP1.1A	10.0000	9.88901	.110994
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te	214.275	ICP1.0	.000000	.000000	-.000000
		ICP1.6	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th	283.730	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti	334.900	ICP1.0	.000000	-.000137	.000137
		ICP1.1B	2.00000	2.01522	-.015216
		ICP1.1A	20.0000	19.8478	.152180
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl	190.864	ICP1.0	.000000	.000000	-.000000
		ICP1.7	20.0000	20.0000	.000002
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U	378.280	ICP1.0	.000000	-.000000	.000000
		ICP1.5	500.000	500.000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	ICP1.0	.000000	-.000000	.000000
		ICP1.4	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W	224.875	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	ICP1.0	.000000	.000000	-.000000
		ICP1.4	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	ICP1.0	.000000	-.000498	.000498
		ICP1.1B	2.00000	2.05539	-.055385
		ICP1.1A	20.0000	19.4461	.553856
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	ICP1.0	.000000	-.000827	.000827
		ICP1.1B	5.00000	5.09189	-.091895
		ICP1.1A	50.0000	49.0810	.918953
CorCoef:	0.99999				

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Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/08/96 11:22:18
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0062	.0082	.0007	.0001	.0000	.0033
SDev	.0004	.0086	.0061	.0023	.0003	.0001	.0125
%RSD	28.45	138.8	74.22	316.8	332.0	267.4	384.6
#1	.0012	.0046	.0039	.0001	-.0001	-.0000	-.0078
#2	.0013	-.0015	.0055	-.0012	-.0001	-.0000	.0007
#3	.0020	.0155	.0151	.0033	.0005	.0001	.0168

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0064	-.0040	.0008	.0000	.0003	.0016	.0006
SDev	.0014	.0005	.0071	.0010	.0003	.0008	.0014
%RSD	21.63	11.47	861.1	3081.	95.51	50.02	240.9
#1	-.0067	-.0042	.0015	-.0007	.0001	.0011	.0001
#2	-.0075	-.0044	-.0066	-.0004	.0007	.0011	-.0005
#3	-.0048	-.0035	.0076	.0012	.0001	.0025	.0022

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	-.0088	.0472	.0007	.0011	-.0144	-.0001
SDev	.0006	.0002	.3453	.0033	.0042	.0071	.0001
%RSD	183.4	2.144	732.0	483.3	371.2	49.01	109.0
#1	.0002	-.0087	-.0079	-.0000	-.0013	-.0224	-.0001
#2	-.0002	-.0090	-.2673	-.0022	-.0013	-.0121	.0000
#3	.0009	-.0087	.4167	.0042	.0059	-.0088	-.0002

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0840	.9389	.0045	.0010	.0262	-.0025
SDev	.0023	.0032	2.153	.0082	.0035	.0191	.0109
%RSD	991.1	3.836	229.3	180.4	339.4	72.79	434.4
#1	-.0006	.0878	-.6201	.0024	.0009	.0381	-.0094
#2	-.0015	.0822	.0411	-.0023	-.0024	.0042	-.0081
#3	.0028	.0821	3.396	.0136	.0045	.0362	.0100

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0193	.0058	.0006	.0045	.0010	-.0040	.0240
SDev	.0196	.0120	.0029	.0088	.0054	.0038	.0341
%RSD	101.3	205.7	496.9	192.9	569.0	95.64	142.3
#1	.0076	-.0018	-.0009	-.0036	-.0051	-.0076	-.0087
#2	.0084	-.0004	-.0013	.0033	.0052	-.0044	.0213
#3	.0419	.0197	.0040	.0139	.0027	.0000	.0593

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0059	-.0010	-.0001	.0068	.0323	-.0003
SDev	.0001	.0061	.0113	.0003	.0056	.1679	.0006

%RSD	198.3	103.8	1190.	466.0	63.20	519.3	168.9
#1	-.0001	.0075	.0111	-.0002	.0033	-.0674	-.0002
#2	-.0002	-.0009	-.0113	-.0006	.0088	-.0618	-.0010
#3	.0001	.0109	-.0027	.0005	.0144	.2262	.0001

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0059	.0001	-.0001	-.0009
SDev	.0144	.0003	.0004	.0013
%RSD	242.1	276.5	430.3	143.2
#1	.0176	.0002	-.0003	-.0024
#2	.0103	-.0002	-.0003	-.0007
#3	-.0101	.0003	.0003	.0003

Analysis Report QC Standard Thu 02-08-96 11:25:16 AM page 1

Method: ICP1A Sample Name: QC_MCVA 960103I901 Operator: DRS
Run Time: 02/08/96 11:23:57
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 2/8/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4824	9.724	2.460	2.020	.4819	.0961	23.95
SDev	.0012	.036	.004	.008	.0018	.0003	.11
%RSD	.2487	.3747	.1712	.3929	.3694	.3585	.4719
#1	.4811	9.682	2.463	2.011	.4799	.0957	23.82
#2	.4826	9.741	2.462	2.027	.4827	.0961	24.02
#3	.4835	9.749	2.456	2.022	.4832	.0964	24.02
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.78	.4840	.0006	.9816	.9812	.9231	.0002
SDev	.11	.0079	.0052	.0041	.0055	.0058	.0005
%RSD	.4302	1.630	804.8	.4190	.5627	.6303	231.6
#1	24.66	.4846	-.0040	.9768	.9750	.9172	-.0003
#2	24.80	.4758	.0062	.9839	.9856	.9233	.0003
#3	24.87	.4915	-.0003	.9840	.9831	.9288	.0007
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	19.86	23.70	.0014	1.915	32.01	.5036
SDev	.0001	.09	.06	.0007	.003	.15	.0023
%RSD	5.436	.4578	.2633	51.48	.1745	.4617	.4601
#1	.0019	19.77	23.72	.0021	1.917	31.84	.5011
#2	.0018	19.88	23.75	.0013	1.917	32.07	.5040
#3	.0019	19.95	23.63	.0007	1.911	32.12	.5057
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9844	35.66	44.07	.0013	.9803	4.832	2.463
SDev	.0047	.03	.82	.0036	.0076	.031	.020
%RSD	.4827	.0808	1.864	58.70	.7802	.6457	.8250
#1	.9796	35.64	43.13	.0088	.9740	4.811	2.443
#2	.9843	35.69	44.43	.0020	.9782	4.848	2.483
#3	.9891	35.64	44.66	.0077	.9888	4.817	2.464
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	1.000	36.70			1.000		2.500

Range	.1000	3.670			.1000		.2500
Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0028	.0039	.0058	2.684	2.477	18.51	.1394
SDev	.0049	.0029	.0016	.011	.021	.07	.0139
%RSD	175.0	73.25	26.94	.3911	.8572	.3992	10.01
#1	-.0084	.0006	.0076	2.674	2.457	18.43	.1315
#2	.0005	.0060	.0050	2.695	2.476	18.53	.1311
#3	-.0005	.0052	.0048	2.683	2.499	18.58	.1554
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value				2.500	2.500	20.00	
Range				.2500	.2500	2.000	

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4893	.0495	.0288	.9627	2.416	.1483	.9511
SDev	.0018	.0063	.0048	.0053	.014	.0195	.0039
%RSD	.3763	12.77	16.62	.5558	.5804	13.14	.4051
#1	.4873	.0523	.0233	.9572	2.405	.1575	.9466
#2	.4896	.0423	.0314	.9631	2.432	.1259	.9531
#3	.4910	.0539	.0317	.9679	2.411	.1615	.9535
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.5000			1.000	2.500		1.000
Range	.0500			.1000	.2500		.1000

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0377	.0015	.9764	1.933
SDev	.0058	.0002	.0036	.008
%RSD	15.32	13.45	.3675	.4087
#1	.0311	.0016	.9724	1.925
#2	.0419	.0012	.9795	1.934
#3	.0400	.0016	.9773	1.940
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			1.000	2.000
Range			.1000	.2000

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Method: ICP1A Sample Name: QC_MCVB 9602061901 Operator: DRS
Run Time: 02/08/96 11:27:37
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass (X) Pd-N/A DLS 2/9/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0062	.6161	.3011	1.988	.0023	.0006	.0701
SDev	.0003	.0032	.0170	.008	.0002	.0001	.0063
%RSD	5.465	.5276	5.633	.3810	6.916	8.002	9.038
#1	-.0061	.6128	.2853	1.997	.0021	.0006	.0710
#2	-.0060	.6162	.3190	1.982	.0024	.0007	.0759
#3	-.0066	.6193	.2991	1.986	.0024	.0007	.0634
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0190	-.0001	1.930	-.0013	.0055	.0346	1.902
SDev	.0016	.0005	.003	.0010	.0014	.0016	.004
%RSD	8.455	541.6	.1727	79.57	26.12	4.504	.2294
#1	.0176	.0002	1.933	-.0017	.0039	.0335	1.906
#2	.0208	-.0007	1.927	-.0001	.0063	.0364	1.897
#3	.0188	.0002	1.930	-.0020	.0064	.0340	1.902
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.917	.0087	-1.022	.9447	-.0005	-.1206	.0010
SDev	.005	.0014	.123	.0035	.0019	.0017	.0001
%RSD	.2568	15.73	11.99	.3743	404.2	1.401	12.46
#1	1.922	.0072	-1.164	.9442	-.0027	-.1188	.0010
#2	1.912	.0098	-.9514	.9485	.0006	-.1221	.0012
#3	1.917	.0092	-.9514	.9415	.0006	-.1210	.0009
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			1.000			
Range	10.00			10.00			

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	1.463	57.15	1.892	.0232	.1163	.2440
SDev	.0004	.030	.71	.006	.0022	.0366	.0091
%RSD	4.474	2.080	1.245	.2941	9.714	31.50	3.727
#1	.0084	1.443	56.35	1.897	.0257	.0902	.2418
#2	.0078	1.449	57.37	1.894	.0214	.1582	.2362
#3	.0077	1.498	57.72	1.886	.0224	.1005	.2540
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value				2.000			

Range				10.00			
Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q2.403	2.005	1.947	.1234	.0653	20.64	1.805
SDev	.007	.009	.005	.0044	.0141	.24	.012
%RSD	.3109	.4606	.2789	3.603	21.59	1.174	.6387
#1	Q2.398	2.002	1.948	.1247	.0634	20.42	1.818
#2	Q2.411	1.997	1.941	.1271	.0803	20.60	Q1.300
#3	Q2.399	2.015	1.952	.1185	.0523	20.90	Q1.797
Errors	QC Fail	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	2.000	2.000	2.000				2.000
Range	10.00	10.00	10.00				10.00
Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	2.006	5.166	.0055	.0213	23.87	-.0002
SDev	.0001	.008	.034	.0001	.0041	.08	.0003
%RSD	2.735	.4120	.6648	1.557	19.25	.3505	123.1
#1	.0025	2.007	5.205	.0055	.0241	23.84	-.0004
#2	.0026	1.997	5.147	.0054	.0166	23.61	-.0004
#3	.0026	2.013	5.144	.0056	.0232	23.96	.0001
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		2.000	5.000			25.00	
Range		10.00	10.00			10.00	
Elem	W	Y	Zn	Zr			
Units	ppm	ppm	ppm	ppm			
Avge	1.991	.9486	.0039	-.0053			
SDev	.018	.0028	.0004	.0020			
%RSD	.9138	.2961	9.237	38.88			
#1	1.992	.9513	.0036	-.0074			
#2	1.972	.9457	.0043	-.0052			
#3	2.008	.9488	.0039	-.0033			
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK			
Value	2.000	1.000					
Range	10.00	10.00					

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Method: ICP1A Sample Name: QC SSTA 9512081902 Operator: DRS
Run Time: 02/08/96 11:31:07
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0239	249.6	.1901	.0513	.0096	-.0016	195.8
SDev	.0001	2.9	.0095	.0015	.0001	.0001	2.1
%RSD	.3866	1.161	5.011	3.017	.8364	6.103	1.058
#1	-.0238	248.1	.2000	.0528	.0096	-.0015	194.8
#2	-.0239	252.9	.1810	.0513	.0096	-.0017	198.2
#3	-.0239	247.7	.1893	.0497	.0095	-.0016	194.4

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	248.8	.0646	.0275	.0030	.2522	-.1047	.0208
SDev	2.4	.0026	.0016	.0008	.0012	.0023	.0011
%RSD.	.9740	4.059	6.014	26.09	.4815	2.218	5.208
#1	247.8	.0645	.0282	.0039	.2509	-.1028	.0215
#2	251.6	.0672	.0256	.0026	.2533	-.1073	.0213
#3	247.0	.0620	.0287	.0024	.2524	-.1041	.0195

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0850	196.0	100.7	47.96	.0337	-.9019	.0180
SDev	.0010	2.0	1.2	.51	.0020	.0389	.0006
%RSD	1.145	1.034	1.146	1.070	5.948	4.319	3.200
#1	.0850	195.2	100.1	47.75	.0344	-.8638	.0186
#2	.0860	198.3	102.0	48.54	.0354	-.9416	.0180
#3	.0841	194.6	99.96	47.59	.0315	-.9001	.0175

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1002	.8601	427.1	.1390	189.2	199.4	.9533
SDev	.0024	.0251	4.8	.0036	1.9	2.4	.0119
%RSD	2.412	2.918	1.129	2.576	.9793	1.182	1.248
#1	.1022	.8619	427.0	.1403	188.4	198.3	.9482
#2	.1009	.8643	431.9	.1418	191.4	202.1	.9669
#3	.0975	.8342	422.3	.1350	187.9	197.7	.9448

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.137	.2544	.0803	.5443	1.498	-.2887	1.546
SDev	.038	.0062	.0063	.0112	.012	.0193	.009
%RSD	3.342	2.453	7.798	2.067	.8042	6.351	.5807
#1	1.129	.2608	.0820	.5339	1.508	-.2681	1.555
#2	1.179	.2541	.0733	.5562	1.502	-.3033	1.545
#3	1.104	.2483	.0854	.5428	1.485	-.2947	1.537

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0188	.7197	-.3691	-.0018	.3156	202.5	.0372
SDev	.0002	.0032	.0184	.0007	.0067	2.7	.001e

%RSD	1.106	.4424	4.990	39.28	2.115	1.309	4.398
#1	.0187	.7232	-.3692	-.0010	.3080	201.1	.0373
#2	.0191	.7189	-.3875	-.0024	.3206	205.5	.0387
#3	.0187	.7170	-.3506	-.0019	.3181	200.8	.0355

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.5418	.0195	.0668	.0639
SDev	.0073	.0002	.0009	.0016
%RSD	1.352	.9502	1.302	2.562
#1	.5429	.0197	.0658	.0642
#2	.5485	.0193	.0675	.0653
#3	.5340	.0195	.0671	.0621

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Method: ICP1A Sample Name: QC SSTMCV 951208I903 Operator: DRS
Run Time: 02/08/96 11:34:39
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4980	4.966	2.016	.0027	.0993	.1001	1.576
SDev	.0028	.023	.014	.0014	.0003	.0005	.020
%RSD	.5539	.4698	.6876	51.24	.3510	.4644	1.282
#1	.5012	4.984	2.028	.0016	.0996	.1005	1.591
#2	.4970	4.974	2.020	.0043	.0993	.1002	1.584
#3	.4960	4.939	2.001	.0022	.0989	.0996	1.553

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.034	.1969	-.0062	-.0015	.3034	.0014	-.0001
SDev	.010	.0032	.0025	.0002	.0033	.0003	.0002
%RSD	1.004	1.640	41.09	13.10	1.099	21.76	304.5
#1	1.043	.1948	-.0052	-.0016	.3067	.0015	-.0000
#2	1.036	.1952	-.0090	-.0017	.3033	.0010	-.0002
#3	1.022	.2006	-.0042	-.0013	.3001	.0016	.0001

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	.5286	49.14	.0032	.0013	-.1092	.1038
SDev	.0001	.0066	.19	.0006	.0015	.0075	.0005
%RSD	1.463	1.252	.3851	18.31	114.6	6.899	.4781
#1	.0071	.5350	49.32	.0035	-.0003	-.1006	.1041
#2	.0069	.5290	49.15	.0036	.0026	-.1122	.1041
#3	.0071	.5218	48.94	.0025	.0016	-.1147	.1033

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	4.996	45.22	-.0019	.6180	4.039	3.027
SDev	.0022	.039	.84	.0049	.0058	.040	.019
%RSD	52.84	.7787	1.854	251.2	.9421	.9951	.6267
#1	.0018	4.992	44.33	-.0031	.6212	4.050	3.036
#2	.0047	5.036	45.99	-.0061	.6215	4.072	3.039
#3	.0061	4.959	45.34	.0034	.6113	3.994	3.005

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0464	.0070	-.0038	2.249	2.536	2.880	.0245
SDev	.0175	.0064	.0016	.013	.030	.004	.0304
%RSD	37.71	91.63	42.32	.5787	1.173	.1518	124.2
#1	.0284	-.0001	-.0024	2.245	2.565	2.883	-.0061
#2	.0633	.0124	-.0034	2.264	2.539	2.882	.0249
#3	.0475	.0086	-.0056	2.239	2.505	2.875	.0548

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0191	-.0357	-.0007	.0088	19.97	.4922
SDev	.0001	.0083	.0134	.0002	.0082	.14	.0016

%RSD	5.158	43.30	37.52	29.50	93.28	.7257	.3192
#1	.0013	.0279	-.0275	-.0009	.0099	20.04	.4927
#2	.0014	.0177	-.0511	-.0005	.0164	20.06	.4934
#3	.0014	.0116	-.0285	-.0008	.0001	19.80	.4904

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0362	-.0004	.0003	.5018
SDev	.0038	.0002	.0004	.0030
%RSD	10.41	55.58	127.2	.5988
#1	.0349	-.0007	-.0001	.5039
#2	.0404	-.0004	.0004	.5032
#3	.0332	-.0002	.0007	.4984

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Method: ICP1A Sample Name: QC_SRM-1643d 108518 Operator: DRS
Run Time: 02/08/96 11:38:20
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0-.0009	0.1332	0.0718	.1471	.5020	0.0124	.0301
SDev	.0004	.0022	.0168	.0011	.0017	.0001	.0069
%RSD	45.40	1.638	23.45	.7187	.3426	.5233	22.86
#1	0-.0012	.1307	0.0806	.1482	.5029	0.0124	.0283
#2	0-.0010	0.1347	0.0524	.1471	.5030	0.0124	.0243
#3	0-.0004	0.1341	0.0825	.1461	.5000	0.0123	.0377
Errors	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	QC Fail	NOCHECK
Value	.0013	.1276	.0560	.1448	.5065	.0125	
Range	.0570	3.500	.7300	5.200	8.900	.2800	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	31.18	0.0045	.0089	0.0263	0.0212	0.0191	.0010
SDev	.09	.0006	.0029	.0007	.0024	.0003	.0009
%RSD	.2736	12.90	32.44	2.685	11.31	1.683	84.52
#1	31.22	0.0047	.0083	0.0260	0.0188	0.0188	.0001
#2	031.25	0.0050	.0063	0.0258	0.0236	0.0194	.0012
#3	31.09	0.0038	.0120	0.0271	0.0211	0.0192	.0018
Errors	QC Pass	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail	NOCHECK
Value	31.04	.0065		.0250	.0185	.0205	
Range	.6400	.3700		.5900	.2000	3.900	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	0.0863	02.257	.0039	0.0199	08.440	0.0395
SDev	.0001	.0006	.147	.0022	.0013	.031	.0003
%RSD	7.838	.7103	6.528	56.55	6.401	.3679	.7380
#1	.0011	0.0856	02.139	.0014	0.0204	08.448	0.0394
#2	.0013	0.0868	02.210	.0048	0.0209	08.466	0.0399
#3	.0013	0.0864	02.422	.0055	0.0185	08.406	0.0393
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail
Value		.0912	2.356		.0165	7.989	.0377
Range		3.900	.0350		.5500	.0350	.8300

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1114	021.51	25.38	.0193	0.1223	.0202	0.0276
SDev	.0006	.13	.32	.0054	.0023	.0093	.0032
%RSD	.5350	.6186	1.243	27.79	1.919	46.25	11.73
#1	.1110	021.51	25.05	.0135	0.1248	.0095	0.0244
#2	.1121	021.65	25.68	.0202	0.1202	.0267	0.0276
#3	.1110	021.38	25.41	.0241	0.1218	.0243	0.0309
Errors	QC Pass	QC Fail	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail
Value	.1129	22.07			.0581		.0181

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Range	1.700	.6400			2.700		.6400
Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0211	.0185	.0032	Q.0641	Q.0147	2.704	.0277
SDev	.0068	.0082	.0067	.0115	.0086	.016	.0192
%RSD	32.29	44.19	210.7	17.92	58.51	.5783	69.36
#1	.0137	.0091	-.0021	Q.0638	Q.0240	2.704	.0061
#2	.0227	.0224	.0010	Q.0757	Q.0130	2.719	.0340
#3	.0271	.0239	.0107	Q.0528	Q.0071	2.688	.0430
Errors	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Fail	NOCHECK	NOCHECK
Value				.0541	.0114		
Range				1.100	.1700		

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2933	.0104	-.0090	.0009	Q.0203	.3194	Q.0338
SDev	.0011	.0058	.0047	.0003	.0099	.0473	.0006
%RSD	.3685	55.63	51.88	36.91	48.78	14.82	1.809
#1	.2940	.0162	-.0037	.0005	Q.0091	.3189	Q.0331
#2	.2939	.0046	-.0122	.0011	Q.0278	.2723	Q.0342
#3	.2921	.0103	-.0113	.0011	Q.0239	.3669	Q.0341
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail
Value	.2948				.0073		.0351
Range	3.400				.2500		1.400

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0040	.0013	Q.0749	.0002
SDev	.0055	.0003	.0004	.0013
%RSD	137.8	25.11	.5052	794.0
#1	-.0008	.0010	Q.0744	-.0013
#2	.0027	.0014	Q.0752	.0006
#3	.0100	.0016	Q.0750	.0011
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value			.0725	
Range			.6500	

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Method: ICP1A Sample Name: QC CCV1 960126H901 Operator: DRS
Run Time: 02/08/96 11:42:25
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	1.939	1.997	2.018	.9654	.9999	1.934
SDev	.0008	.011	.006	.015	.0067	.0060	.016
%RSD	56.59	.5441	.3199	.7298	.6917	.5947	.8390
#1	-.0016	1.951	2.003	2.034	.9727	1.006	1.952
#2	-.0005	1.931	1.998	2.005	.9595	.9948	1.920
#3	-.0020	1.934	1.991	2.016	.9641	.9984	1.930

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.998	.9963	-.0003	1.005	.4968	1.941	.0013
SDev	.008	.0036	.0084	.006	.0063	.007	.0002
%RSD	.4197	.3576	2988.	.5557	1.272	.3656	17.22
#1	2.007	.9986	-.0069	1.012	.4933	1.949	.0011
#2	1.993	.9980	.0091	1.001	.5041	1.937	.0012
#3	1.992	.9922	-.0031	1.003	.4930	1.936	.0015

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	2.001	4.671	.0009	1.935	2.056	1.023
SDev	.0003	.010	.144	.0014	.021	.010	.005
%RSD	54.31	.5206	3.086	149.1	1.059	.4912	.4639
#1	.0002	2.013	4.545	-.0002	1.955	2.065	1.025
#2	.0007	1.993	4.828	.0025	1.914	2.045	1.020
#3	.0006	1.993	4.639	.0006	1.935	2.057	1.021

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.955	8.240	11.87	.0058	2.045	4.833	2.001
SDev	.012	.050	1.24	.0085	.014	.015	.007
%RSD	.6348	.6100	10.41	145.4	.6946	.3154	.3291
#1	1.968	8.276	10.52	-.0022	2.062	4.828	2.008
#2	1.951	8.182	12.95	.0147	2.037	4.850	1.997
#3	1.944	8.260	12.14	.0050	2.037	4.820	1.997

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0312	.0150	.0047	.0219	1.946	4.705	.0660
SDev	.0222	.0053	.0019	.0069	.017	.007	.0004
%RSD	71.24	35.45	39.80	31.43	.8879	.1516	.5929
#1	.0117	.0101	.0043	.0298	1.965	4.713	.0660
#2	.0554	.0206	.0067	.0189	1.933	4.700	.0664
#3	.0264	.0142	.0030	.0171	1.938	4.701	.0656

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.949	.0306	.0060	.0005	1.925	.0427	.9372
SDev	.015	.0039	.0049	.0005	.017	.0828	.0072

%RSD	.7681	12.64	81.31	94.01	.8579	193.9	.7658
#1	1.965	.0343	.0102	.0001	1.944	-.0467	.9446
#2	1.936	.0266	.0073	.0010	1.915	.0581	.9303
#3	1.947	.0308	.0006	.0004	1.915	.1168	.9367

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0218	.0002	.9970	-.0007
SDev	.0156	.0002	.0040	.0009
%RSD	71.42	85.96	.4014	134.1
#1	.0054	.0002	.9991	-.0017
#2	.0235	.0001	.9924	-.0005
#3	.0365	.0004	.9996	.0001

Analysis Report Thu 02-08-96 11:47:42 AM Page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/08/96 11:46:23
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	.0074	.0051	.0010	-.0000	.0001	.0040
SDev	.0006	.0034	.0113	.0025	.0001	.0000	.0079
%RSD	26.45	45.68	220.1	250.6	189.6	11.51	197.4
#1	-.0021	.0036	.0002	.0013	-.0001	.0001	.0029
#2	-.0018	.0099	.0181	.0034	.0001	.0001	.0123
#3	-.0029	.0086	-.0029	-.0017	-.0001	.0001	-.0033

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0060	-.0018	-.0045	.0004	-.0010	.0036	.0003
SDev	.0016	.0019	.0023	.0008	.0017	.0017	.0007
%RSD	26.03	104.4	50.73	216.4	174.1	46.72	216.5
#1	-.0070	-.0030	-.0057	.0012	-.0019	.0042	-.0002
#2	-.0042	-.0028	-.0019	-.0004	.0010	.0049	.0011
#3	-.0068	.0004	-.0059	.0004	-.0021	.0017	.0001

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0091	-.1415	-.0002	-.0002	-.0144	.0002
SDev	.0003	.0005	.1392	.0011	.0007	.0085	.0003
%RSD	164.4	5.235	97.66	562.7	458.3	59.13	149.3
#1	.0000	-.0096	-.1966	-.0000	-.0003	-.0058	-.0002
#2	.0006	-.0087	.0157	.0008	-.0008	-.0229	.0005
#3	.0000	-.0090	-.2438	-.0014	.0006	-.0146	.0003

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0194	.1694	-.0007	.0408	.0145	-.0114
SDev	.0013	.0231	1.020	.0048	.0011	.0109	.0054
%RSD	720.2	119.1	602.1	655.0	2.605	75.40	47.28
#1	-.0013	-.0120	-.8926	-.0010	.0412	.0163	-.0063
#2	.0007	-.0009	1.141	.0042	.0416	.0244	-.0109
#3	.0011	-.0453	.2595	-.0055	.0396	.0028	-.0171

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0189	.0043	.0004	.0019	.0007	-.0172	.0098
SDev	.0154	.0067	.0022	.0104	.0057	.0048	.0170
%RSD	81.56	157.2	562.1	533.6	763.5	27.87	173.2
#1	.0034	.0052	-.0007	-.0038	.0071	-.0217	.0080
#2	.0342	.0105	-.0011	.0139	-.0037	-.0121	.0277
#3	.0191	-.0028	.0029	-.0042	-.0011	-.0177	-.0062

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0122	.0004	-.0004	.0009	-.0200	-.0002
SDev	.0001	.0063	.0019	.0005	.0019	.0356	.0005

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%RSD	48.91	52.07	457.3	127.7	206.9	428.1	233.5
#1	.0002	.0143	.0023	-.0002	.0014	-.0441	-.0005
#2	.0002	.0172	.0005	-.0000	-.0012	.0750	.0003
#3	.0001	.0051	-.0015	-.0009	.0024	-.0909	-.0004

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0055	.0000	-.0007	-.0011
SDev	.0121	.0003	.0007	.0004
%RSD	220.0	2202.	101.7	38.05
#1	.0195	-.0002	-.0010	-.0015
#2	-.0025	.0004	.0001	-.0007
#3	-.0004	-.0002	-.0012	-.0012

Analysis Report Thu 02-08-96 11:49:59 AM page 1

Method: ICP1A Sample Name: 96-2848-BLK Operator: DRS
Run Time: 02/08/96 11:46:40
Comment: ACIDIFICATION PROCESS BLANK (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0039	.0370	.0130	.4833	.0002	.0001	-.0006
SDev	.0009	.0014	.0074	.0046	.0000	.0000	.0132
%RSD	23.91	3.669	57.17	.9424	.0000	59.10	2212.
#1	-.0032	.0363	.0201	.4781	.0002	.0000	-.0123
#2	-.0035	.0361	.0136	.4865	.0002	.0001	-.0033
#3	-.0049	.0385	.0053	.4853	.0002	.0001	.0138

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0202	-.0019	-.0147	-.0009	-.0002	.0033	-.0020
SDev	.0013	.0012	.0058	.0003	.0018	.0029	.0005
%RSD	6.503	64.41	39.25	34.66	743.5	86.83	23.91
#1	.0215	-.0027	-.0103	-.0006	-.0021	.0053	-.0019
#2	.0189	-.0005	-.0213	-.0012	.0015	.0047	-.0016
#3	.0202	-.0025	-.0126	-.0010	-.0002	.0000	-.0025

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0050	-.6369	-.0039	-.0014	-.0083	.0004
SDev	.0001	.0003	.0721	.0019	.0027	.0047	.0002
%RSD	17.87	5.070	11.31	47.27	189.5	56.88	65.66
#1	-.0006	.0047	-.6212	-.0015	-.0037	-.0040	.0004
#2	-.0007	.0052	-.5740	-.0048	.0016	-.0133	.0006
#3	-.0005	.0050	-.7155	-.0052	-.0022	-.0075	.0001

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.8340	-1.575	-.0136	.0419	.0043	-.0119
SDev	.0007	.0169	.347	.0015	.0026	.0141	.0042
%RSD	71.76	2.032	22.05	11.15	6.161	329.8	35.68
#1	-.0005	.8192	-1.347	-.0121	.0435	-.0113	-.0119
#2	-.0017	.8304	-1.404	-.0151	.0432	.0160	-.0076
#3	-.0006	.8525	-1.975	-.0137	.0389	.0081	-.0161

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0318	-.0136	-.0027	.0035	-.0073	.0661	.0020
SDev	.0016	.0002	.0021	.0045	.0057	.0060	.0146
%RSD	5.155	1.754	75.90	130.3	77.47	9.077	740.6
#1	-.0322	-.0134	-.0005	.0026	-.0119	.0698	.0176
#2	-.0332	-.0136	-.0046	.0084	-.0010	.0592	-.0005
#3	-.0300	-.0139	-.0030	-.0005	-.0092	.0694	-.0112

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0021	.0093	-.0006	-.0039	-.2665	-.0013
SDev	.0000	.0046	.0026	.0003	.0053	.0190	.0002

%RSD	.2936	216.2	27.54	49.17	137.3	7.136	16.71
#1	.0001	-.0022	.0122	-.0006	.0013	-.2876	-.0011
#2	.0001	.0016	.0073	-.0009	-.0093	-.2508	-.0014
#3	.0001	.0070	.0084	-.0003	-.0035	-.2611	-.0014

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	-.0069	-.0006	.0134	-.0036
SDev	.0073	.0002	.0014	.0001
%RSD	105.8	31.53	10.43	3.800
#1	-.0058	-.0008	.0147	-.0037
#2	-.0003	-.0004	.0137	-.0036
#3	-.0148	-.0008	.0119	-.0034

Analysis Report Thu 02-08-96 11:53:07 AM

Method: ICP1A Sample Name: 96-2648 @5 Operator: DRS
Run Time: 02/08/96 11:51:48
Comment: 118.1ADL.D @5X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0077	1.987	.0670	.4540	.0018	.0006	4.843
SDev	.0001	.009	.0089	.0024	.0002	.0000	.010
%RSD	.6042	.4781	13.07	.5264	12.96	1.027	.2141
#1	.0077	1.991	.0569	.4561	.0016	.0006	4.840
#2	.0078	1.976	.0711	.4514	.0020	.0006	4.834
#3	.0078	1.993	.0729	.4546	.0020	.0006	4.854

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0949	.0061	.0685	.0081	11.16	.0326	.0047
SDev	.0026	.0020	.0037	.0004	.04	.0007	.0005
%RSD	2.720	31.92	5.354	4.645	.3623	2.064	10.01
#1	.0968	.0044	.0715	.0077	11.18	.0318	.0043
#2	.0960	.0083	.0644	.0083	11.12	.0330	.0046
#3	.0920	.0059	.0697	.0084	11.19	.0328	.0052

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0090	.9279	24.12	.0066	14.38	-.0553	.0091
SDev	.0000	.0028	.10	.0008	.03	.0032	.0003
%RSD	.2485	.2985	.4262	12.59	.1894	5.830	2.773
#1	.0090	.9277	24.09	.0058	14.36	-.0582	.0089
#2	.0090	.9253	24.05	.0075	14.36	-.0559	.0094
#3	.0089	.9308	24.24	.0065	14.41	-.0518	.0091

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9767	2480.	2968.	.0278	.0786	212.3	.1840
SDev	.0057	3.	4.	.0071	.0037	.3	.0059
%RSD	.5892	.1373	.1468	25.51	4.740	.1574	3.221
#1	.9772	2480.	2968.	.0225	.0766	212.5	.1792
#2	.9707	2477.	2963.	.0250	.0762	211.9	.1822
#3	.9822	2483.	2972.	.0358	.0829	212.4	.1906

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2034	.1474	.1304	.0968	.0867	1.427	.1892
SDev	.0091	.0013	.0040	.0093	.0118	.016	.0176
%RSD	4.485	.8601	3.102	9.613	13.66	1.120	9.324
#1	.1934	.1463	.1262	.0962	.0861	1.418	.1728
#2	.2114	.1488	.1343	.1064	.0988	1.418	.2078
#3	.2053	.1472	.1308	.0878	.0751	1.446	.1869

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	.1027	-.0029	.0017	.0301	17.54	.0116
SDev	.0001	.0038	.0046	.0002	.0112	.05	.0003

%RSD	.7330	3.731	159.1	10.46	37.23	.2675	2.283
#1	.0093	.1062	.0020	.0019	.0188	17.56	.0114
#2	.0095	.0986	-.0035	.0015	.0303	17.49	.0117
#3	.0095	.1033	-.0072	.0017	.0412	17.57	.0119

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.1212	.0019	.0357	.0811
SDev	.0097	.0002	.0005	.0003
%RSD	7.963	10.48	1.377	.4157
#1	.1175	.0021	.0358	.0807
#2	.1321	.0018	.0352	.0812
#3	.1139	.0017	.0361	.0814

Analysis Report Thu 02-08-96 11:58:07 AM page 1

Method: ICP1A Sample Name: 96-2848 @25 Operator: DRS
Run Time: 02/08/96 11:56:48
Comment: 118.1ADL.D @25X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	.4031	.0095	.0931	-.0001	.0001	.9904
SDev	.0008	.0024	.0096	.0021	.0003	.0000	.0089
%RSD	33.52	.5951	101.0	2.247	313.6	19.87	.9001
#1	-.0017	.4003	.0040	.0907	.0002	.0001	1.000
#2	-.0031	.4043	.0039	.0947	-.0004	.0001	.9882
#3	-.0019	.4046	.0206	.0938	-.0001	.0001	.9828

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0208	.0022	-.0026	-.0002	2.323	.0044	-.0017
SDev	.0008	.0022	.0038	.0005	.018	.0009	.0003
%RSD	3.786	101.8	145.3	232.8	.7960	19.81	16.90
#1	.0209	.0001	.0001	-.0001	2.304	.0036	-.0014
#2	.0199	.0020	-.0070	-.0008	2.324	.0042	-.0020
#3	.0215	.0045	-.0010	.0002	2.341	.0053	-.0018

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.1822	4.270	-.0023	3.017	-.0313	.0014
SDev	.0004	.0004	.166	.0008	.019	.0069	.0002
%RSD	31.01	.2132	3.881	33.50	.6307	22.13	13.90
#1	.0014	.1818	4.285	-.0021	3.008	-.0244	.0014
#2	.0008	.1825	4.097	-.0031	3.039	-.0311	.0016
#3	.0016	.1824	4.427	-.0016	3.004	-.0383	.0013

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2025	545.7	614.7	-.0076	.0308	42.60	.0202
SDev	.0017	2.8	3.3	.0050	.0021	.13	.0040
%RSD	.8251	.5096	.5390	65.52	6.824	.3118	19.63
#1	.2031	543.5	611.4	-.0066	.0320	42.46	.0226
#2	.2038	548.8	618.0	-.0131	.0320	42.72	.0156
#3	.2006	544.8	614.6	-.0032	.0283	42.62	.0223

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.0154	.0186	.0108	.0085	.2462	.0104
SDev	.0191	.0087	.0015	.0105	.0017	.0019	.0297
%RSD	577.6	56.88	8.043	97.39	19.58	.7669	285.7
#1	.0043	.0205	.0201	.0206	.0075	.2444	.0119
#2	-.0162	.0053	.0186	.0120	.0105	.2482	-.0200
#3	.0219	.0203	.0171	-.0003	.0076	.2461	.0394

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0137	.0101	-.0008	-.0017	3.424	.0006
SDev	.0000	.0034	.0125	.0003	.0040	.131	.0003

%RSD	.0350	25.04	124.4	43.82	231.2	3.823	36.57
#1	.0017	.0119	.0140	-.0005	-.0027	3.518	.0010
#2	.0017	.0115	.0201	-.0012	.0027	3.275	.0004
#3	.0017	.0177	-.0039	-.0007	-.0051	3.479	.0009

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0273	-.0005	.0075	.0131
SDev	.0164	.0001	.0004	.0012
%RSD	60.26	24.18	5.285	9.394
#1	.0448	-.0004	.0071	.0130
#2	.0122	-.0007	.0074	.0119
#3	.0248	-.0004	.0079	.0143

Analysis Report Thu 02-08-96 12:02:46 PM page 1

Method: ICP1A Sample Name: Na @1000 PPM Operator: DRS
Run Time: 02/08/96 12:01:28
Comment: Na IEC 950622I124 25X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0033	.0043	.0051	-.0019	-.0002	-.0000	.0064
SDev	.0027	.0135	.0186	.0027	.0006	.0000	.0152
%RSD	82.14	316.7	361.5	141.9	266.1	71.39	237.0
#1	-.0014	.0168	.0257	-.0022	.0002	-.0000	.0029
#2	-.0021	.0061	.0001	.0009	.0001	-.0000	.0231
#3	-.0064	-.0101	-.0104	-.0045	-.0009	-.0001	-.0068

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0077	.0002	-.0115	-.0003	-.0010	.0004	-.0011
SDev	.0021	.0023	.0233	.0023	.0016	.0040	.0031
%RSD	27.68	1147.	202.4	762.3	155.3	1060.	291.4
#1	.0094	-.0021	.0092	.0014	.0008	.0023	.0013
#2	.0083	.0026	-.0069	.0007	-.0021	.0030	.0001
#3	.0053	.0001	-.0368	-.0030	-.0019	-.0042	-.0045

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0095	-.6448	-.0018	.0002	-.0153	.0003
SDev	.0011	.0013	.7415	.0050	.0029	.0090	.0002
%RSD	345.2	13.40	115.0	286.7	1825.	59.11	86.47
#1	.0006	-.0084	-.1256	.0023	.0021	-.0163	.0004
#2	.0000	-.0091	-.3145	-.0001	.0016	-.0058	.0003
#3	-.0015	-.0109	-1.494	-.0074	-.0032	-.0237	.0000

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	973.7	1097.	-.0057	.0168	.0095	-.0091
SDev	.0008	36.8	39.	.0155	.0045	.0334	.0166
%RSD	99.12	3.988	3.531	272.2	26.63	350.1	183.2
#1	.0000	944.9	1068.	.0062	.0164	.0157	.0040
#2	-.0010	958.4	1082.	-.0001	.0214	.0394	-.0034
#3	-.0016	1018.	1141.	-.0232	.0125	-.0265	-.0278

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0100	-.0027	.0004	.0091	-.0036	-.0197	-.0146
SDev	.0577	.0279	.0064	.0136	.0121	.0084	.0539
%RSD	576.4	1043.	1580.	150.2	334.6	42.88	369.5
#1	.0369	.0250	.0072	.0225	.0045	-.0164	.0310
#2	.0075	-.0022	-.0004	.0095	.0021	-.0133	-.0007
#3	-.0744	-.0308	-.0056	-.0048	-.0175	-.0292	-.0740

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0000	.0007	-.0007	-.0043	-.1136	-.0014
SDev	.0002	.0188	.0059	.0013	.0086	.2893	.0016

%RSD	178.7	110600.	868.3	177.9	200.8	254.7	114.7
#1	.0001	.0117	-.0033	.0001	-.0070	.1013	-.0002
#2	-.0001	.0100	-.0021	-.0001	-.0113	.0005	-.0007
#3	-.0004	-.0217	.0074	-.0022	.0054	-.4425	-.0032

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	-.0016	-.0007	.0002	-.0023
SDev	.0114	.0015	.0006	.0026
%RSD	695.1	197.5	230.3	114.8
#1	.0101	.0004	.0001	-.0002
#2	-.0023	-.0002	-.0002	-.0014
#3	-.0127	-.0024	.0009	-.0052

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Method: ICP1A Sample Name: 96-2847 PS-A Operator: DRS
Run Time: 02/08/96 12:07:10
Comment: 118.1ADL.D POST SPIKE (MCVA) (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2323	9.573	1.407	2.064	.2305	.0481	23.54
SDev	.0007	.013	.014	.010	.0006	.0001	.07
%RSD	.3009	.1385	.9893	.4856	.2775	.1848	.2934
#1	.2331	9.574	1.393	2.076	.2308	.0481	23.55
#2	.2317	9.586	1.406	2.060	.2306	.0480	23.60
#3	.2321	9.560	1.421	2.057	.2297	.0481	23.46

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.15	.2518	.1326	.4854	27.01	.5351	.0058
SDev	.01	.0026	.0028	.0001	.06	.0027	.0005
%RSD	.0777	1.014	2.100	.0145	.2049	.5124	9.004
#1	12.16	.2516	.1333	.4855	27.07	.5360	.0057
#2	12.15	.2544	.1295	.4853	26.98	.5373	.0054
#3	12.14	.2493	.1350	.4854	26.97	.5321	.0064

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0211	11.74	69.88	.0097	36.24	15.19	.2641
SDev	.0002	.02	.24	.0008	.08	.01	.0009
%RSD	1.019	.1454	.3381	7.844	.2146	.0911	.3584
#1	.0213	11.75	70.12	.0095	36.31	15.20	.2644
#2	.0209	11.75	69.86	.0090	36.25	15.19	.2649
#3	.0209	11.72	69.65	.0105	36.18	15.17	.2631

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.808	5019.	7199.	.0455	.5948	523.8	1.602
SDev	.006	18.	15.	.0042	.0028	.8	.007
%RSD	.1976	.3498	.2096	9.237	.4659	.1501	.4158
#1	2.813	5034.	7210.	.0503	.5980	524.5	1.609
#2	2.808	5023.	7205.	.0441	.5930	524.0	1.601
#3	2.802	4999.	7182.	.0422	.5934	523.0	1.596

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3774	.3043	.2994	1.531	1.445	12.95	.3727
SDev	.0129	.0036	.0029	.010	.020	.02	.0078
%RSD	3.416	1.185	.9654	.6749	1.361	.1869	2.098
#1	.3906	.3082	.2988	1.524	1.453	12.93	.3656
#2	.3769	.3037	.2968	1.543	1.460	12.95	.3714
#3	.3648	.3010	.3025	1.527	1.423	12.97	.3811

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2536	.2468	.0259	.4671	1.197	41.43	.4839
SDev	.0004	.0061	.0100	.0010	.024	.15	.0012

%RSD	.1424	2.455	38.65	.2105	1.993	.3538	.2500
#1	.2540	.2528	.0235	.4682	1.186	41.55	.4852
#2	.2536	.2470	.0173	.4670	1.181	41.47	.4838
#3	.2533	.2407	.0369	.4663	1.224	41.26	.4828

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.2613	.0031	.5783	1.125
SDev	.0037	.0001	.0047	.002
%RSD	1.432	2.701	.8062	.1687
#1	.2643	.0030	.5738	1.125
#2	.2626	.0031	.5831	1.127
#3	.2571	.0032	.5778	1.123

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Method: ICP1A Sample Name: QC MCVA @2 Operator: DRS
Run Time: 02/08/96 12:12:05
Comment: MCVA 9601301901 @2X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2441	5.001	1.271	1.049	.2486	.0495	12.28
SDev	.0006	.018	.010	.004	.0006	.0001	.01
%RSD	.2493	.3581	.7759	.3515	.2632	.2204	.0422
#1	.2436	4.980	1.274	1.051	.2479	.0494	12.28
#2	.2440	5.010	1.280	1.050	.2488	.0495	12.29
#3	.2448	5.013	1.260	1.044	.2491	.0496	12.28

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.79	.2568	-.0095	.5081	.5094	.4704	-.0014
SDev	.02	.0012	.0048	.0018	.0049	.0025	.0003
%RSD	.1577	.4542	50.70	.3534	.9516	.5305	21.11
#1	12.77	.2555	-.0148	.5062	.5074	.4677	-.0013
#2	12.81	.2573	-.0055	.5097	.5149	.4710	-.0011
#3	12.79	.2576	-.0081	.5083	.5059	.4726	-.0017

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	10.27	11.57	-.0013	.9855	16.61	.2607
SDev	.0000	.02	.06	.0006	.0055	.06	.0007
%RSD	1.737	.2028	.5132	42.27	.5564	.3813	.2848
#1	.0006	10.24	11.50	-.0011	.9900	16.54	.2599
#2	.0006	10.28	11.62	-.0009	.9794	16.66	.2613
#3	.0006	10.27	11.57	-.0020	.9871	16.64	.2609

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5105	16.53	21.14	-.0070	.5237	2.515	1.272
SDev	.0043	.04	.25	.0034	.0045	.029	.012
%RSD	.8514	.2075	1.159	48.20	.8615	1.135	.9202
#1	.5093	16.49	20.89	-.0034	.5229	2.542	1.259
#2	.5067	16.54	21.16	-.0076	.5196	2.485	1.282
#3	.5153	16.54	21.39	-.0100	.5283	2.518	1.275

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0209	-.0065	.0003	1.388	1.276	9.582	.0364
SDev	.0164	.0069	.0026	.015	.022	.019	.0134
%RSD	78.68	107.0	933.9	1.094	1.742	.2021	36.87
#1	-.0092	.0006	.0030	1.404	1.251	9.560	.0512
#2	-.0138	-.0067	.0001	1.388	1.293	9.591	.0251
#3	-.0396	-.0133	-.0023	1.373	1.285	9.595	.0328

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2533	.0156	.0143	.4965	1.229	-.0442	.4900
SDev	.0007	.0049	.0012	.0013	.008	.0637	.0009

%RSD	.2896	30.80	8.383	.2648	.6715	144.0	.1933
#1	.2524	.0102	.0135	.4950	1.221	.0278	.4901
#2	.2536	.0192	.0137	.4973	1.237	-.0675	.4909
#3	.2538	.0180	.0157	.4973	1.227	-.0930	.4890

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0130	.0002	.5163	.9969
SDev	.0092	.0000	.0040	.0038
%RSD	71.11	15.14	.7710	.3854
#1	.0032	.0002	.5139	.9925
#2	.0215	.0002	.5209	.9998
#3	.0143	.0002	.5141	.9982

Analysis Report Thu 02-08-96 12:18:32 PM page 1

Method: ICP1A Sample Name: 96-2850 @10 Operator: DRS
Run Time: 02/08/96 12:17:12
Comment: 118.3DL.D @10X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	.8992	.0344	.2935	.0004	.0004	5.289
SDev	.0009	.0009	.0140	.0009	.0002	.0000	.031
%RSD	57.32	.1055	40.74	.3125	50.43	1.699	.5873
#1	-.0009	.9003	.0474	.2927	.0005	.0004	5.311
#2	-.0025	.8986	.0196	.2945	.0002	.0004	5.254
#3	-.0012	.8987	.0364	.2933	.0006	.0004	5.304

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0291	-.0001	.0227	.0027	8.710	.0045	.0009
SDev	.0003	.0012	.0022	.0006	.028	.0010	.0004
%RSD	1.121	945.3	9.651	21.59	.3219	23.62	48.24
#1	.0289	.0004	.0219	.0021	8.702	.0035	.0012
#2	.0290	.0008	.0210	.0032	8.741	.0043	.0004
#3	.0295	-.0015	.0251	.0027	8.686	.0056	.0010

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	1.557	16.10	.0006	.7320	-.0438	.0118
SDev	.0001	.006	.10	.0018	.0059	.0018	.0001
%RSD	1.628	.3677	.6365	274.2	.8012	4.075	.7061
#1	.0063	1.554	16.17	.0006	.7359	-.0450	.0117
#2	.0063	1.564	15.99	-.0011	.7349	-.0447	.0119
#3	.0065	1.553	16.15	.0024	.7253	-.0418	.0119

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8275	1682.	1956.	.0060	.0427	106.7	-.0021
SDev	.0019	6.	7.	.0043	.0002	.5	.0062
%RSD	.2316	.3454	.3385	71.27	.4455	.4793	289.8
#1	.8256	1680.	1956.	.0066	.0425	106.8	.0050
#2	.8295	1688.	1963.	.0014	.0429	107.2	-.0056
#3	.8270	1677.	1950.	.0099	.0425	106.2	-.0059

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1211	.1097	.1255	.0627	.0508	.7935	.0918
SDev	.0063	.0062	.0015	.0080	.0077	.0035	.0112
%RSD	5.189	5.624	1.176	12.70	15.10	.4419	12.22
#1	.1279	.1167	.1272	.0663	.0596	.7948	.0848
#2	.1156	.1050	.1243	.0536	.0459	.7962	.1047
#3	.1196	.1074	.1252	.0682	.0468	.7895	.0859

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0048	.0471	-.0047	.0006	.0126	13.26	.0037
SDev	.0000	.0021	.0028	.0003	.0097	.06	.0001

%RSD	.0109	4.519	59.15	59.00	76.66	.4774	2.113
#1	.0048	.0454	-.0028	.0003	.0153	13.22	.0038
#2	.0048	.0495	-.0080	.0004	.0019	13.33	.0036
#3	.0048	.0464	-.0034	.0009	.0208	13.22	.0038

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0819	.0005	.0262	.1598
SDev	.0163	.0002	.0010	.0006
%RSD	19.90	48.36	3.875	.3452
#1	.0763	.0004	.0267	.1597
#2	.1003	.0003	.0251	.1604
#3	.0692	.0007	.0270	.1593

Analysis Report Thu 02-08-96 12:24:11 PM page 1

Method: ICP1A Sample Name: 96-2850 @30X Operator: DRS
Run Time: 02/08/96 12:22:52
Comment: 118.3DL.D @30X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0029	.2887	.0169	.0951	-.0004	.0001	1.751
SDev	.0010	.0042	.0045	.0011	.0001	.0000	.022
%RSD	34.47	1.436	26.54	1.164	37.91	18.23	1.270
#1	-.0040	.2893	.0221	.0963	-.0005	.0001	1.768
#2	-.0023	.2926	.0151	.0941	-.0002	.0001	1.736
#3	-.0023	.2843	.0136	.0949	-.0004	.0001	1.760

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0057	-.0009	-.0076	-.0008	2.925	-.0011	-.0017
SDev	.0015	.0026	.0070	.0004	.040	.0009	.0015
%RSD	26.10	300.6	92.04	51.23	1.360	84.19	87.09
#1	.0040	.0013	-.0153	-.0012	2.969	-.0019	-.0033
#2	.0066	-.0002	-.0018	-.0004	2.892	-.0010	-.0011
#3	.0064	-.0037	-.0057	-.0010	2.914	-.0002	-.0008

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.5138	4.954	-.0021	.2436	-.0332	.0037
SDev	.0003	.0061	.201	.0020	.0040	.0072	.0002
%RSD	18.02	1.180	4.050	97.01	1.620	21.66	6.350
#1	.0012	.5208	4.757	-.0044	.2480	-.0342	.0035
#2	.0018	.5096	5.158	-.0012	.2403	-.0256	.0040
#3	.0016	.5111	4.946	-.0006	.2427	-.0399	.0036

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2763	580.1	653.0	-.0085	.0178	34.96	-.0151
SDev	.0033	7.3	7.9	.0085	.0012	.31	.0073
%RSD	1.202	1.258	1.202	99.40	6.704	.8941	48.50
#1	.2784	588.4	662.0	-.0183	.0181	35.32	-.0225
#2	.2724	574.8	647.6	-.0046	.0188	34.72	-.0078
#3	.2780	577.0	649.4	-.0027	.0164	34.85	-.0151

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	.0243	.0379	.0133	.0011	.2373	-.0089
SDev	.0232	.0072	.0040	.0094	.0067	.0110	.0257
%RSD	205.6	29.61	10.59	70.61	630.2	4.639	289.4
#1	-.0155	.0161	.0334	.0090	-.0064	.2498	-.0378
#2	.0243	.0274	.0394	.0241	.0032	.2328	.0113
#3	.0250	.0294	.0410	.0068	.0064	.2292	-.0001

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0089	.0016	-.0009	.0083	4.230	-.0006
SDev	.0001	.0099	.0080	.0005	.0078	.071	.0006

%RSD	4.845	111.1	499.4	57.99	94.11	1.667	107.4
#1	.0014	-.0020	.0108	-.0015	.0172	4.157	-.0012
#2	.0015	.0172	-.0020	-.0006	.0022	4.233	-.0001
#3	.0014	.0114	-.0040	-.0005	.0056	4.299	-.0004

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0199	-.0005	.0077	.0505
SDev	.0077	.0006	.0003	.0009
%RSD	38.96	112.5	3.195	1.752
#1	.0286	-.0011	.0075	.0495
#2	.0174	-.0002	.0075	.0510
#3	.0137	-.0002	.0080	.0510

Analysis Report Thu 02-08-96 12:28:34 PM page 1

Method: ICP1A Sample Name: 96-2850 PS-B Operator: DRS
Run Time: 02/08/96 12:27:15
Comment: 118.3DL.D POST SPIKE (MCVB) (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	4.508	.2813	2.263	.0041	.0020	25.15
SDev	.0004	.042	.0096	.023	.0001	.0001	.23
%RSD	8.443	.9323	3.416	1.026	3.406	2.395	.9254
#1	.0043	4.471	.2836	2.241	.0041	.0020	24.98
#2	.0039	4.499	.2895	2.262	.0042	.0020	25.07
#3	.0046	4.553	.2707	2.287	.0039	.0021	25.42

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2291	.0140	1.010	.0130	39.74	.0329	.8642
SDev	.0016	.0023	.007	.0004	.34	.0012	.0085
%RSD	.6814	16.50	.7410	3.469	.8459	3.627	.9825
#1	.2276	.0141	1.004	.0132	39.45	.0341	.8568
#2	.2292	.0162	1.009	.0123	39.67	.0318	.8623
#3	.2307	.0116	1.018	.0134	40.11	.0328	.8735

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8871	7.197	78.48	.4435	3.473	-.1477	.0563
SDev	.0085	.058	.47	.0035	.034	.0024	.0008
%RSD	.9594	.8059	.5969	.7858	.9927	1.594	1.340
#1	.8797	7.149	78.07	.4401	3.446	-.1446	.0558
#2	.8852	7.182	78.38	.4432	3.461	-.1504	.0559
#3	.8934	7.261	78.99	.4471	3.512	-.1461	.0572

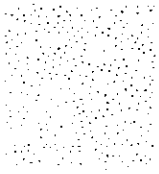
Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.805	6232.	9114.	.9081	.1641	516.3	.1627
SDev	.027	43.	82.	.0070	.0007	4.0	.0066
%RSD	.7112	.6925	.9025	.7700	.4026	.7770	4.083
#1	3.782	6189.	9045.	.9006	.1635	513.2	.1578
#2	3.797	6232.	9093.	.9094	.1641	515.0	.1601
#3	3.835	6275.	9205.	.9144	.1648	520.8	.1703

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.652	1.464	1.434	.3093	.2792	14.35	1.169
SDev	.015	.007	.007	.0064	.0018	.26	.025
%RSD	.8963	.5088	.4607	2.067	.6567	1.824	2.131
#1	1.636	1.457	1.429	.3019	.2794	14.09	1.150
#2	1.665	1.463	1.432	.3121	.2810	14.34	1.159
#3	1.655	1.472	1.442	.3137	.2773	14.62	1.197

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0235	1.206	2.337	.0069	.0747	70.92	.0236
SDev	.0002	.010	.031	.0005	.0077	.72	.0006

%RSD	.7803	.8625	1.308	7.016	10.38	1.011	2.594
#1	.0233	1.195	2.314	.0073	.0798	70.28	.0243
#2	.0235	1.211	2.326	.0071	.0658	70.78	.0235
#3	.0237	1.214	2.372	.0064	.0785	71.69	.0231

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	1.310	.4358	.1332	.7362
SDev	.012	.0040	.0036	.0060
%RSD	.8978	.9272	2.730	.8118
#1	1.301	.4327	.1346	.7314
#2	1.323	.4342	.1291	.7342
#3	1.305	.4403	.1359	.7429



Analysis Report Thu 02-08-96 12:34:22 PM page 1

Method: ICP1A Sample Name: QC MCVB @2 Operator: DRS
Run Time: 02/08/96 12:33:03
Comment: MCVB 960206I901 @2X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0066	.3241	.1564	1.035	.0007	.0003	.0088
SDev	.0009	.0027	.0061	.002	.0001	.0000	.0154
%RSD	13.43	.8319	3.899	.2164	12.30	13.25	174.4
#1	-.0063	.3246	.1559	1.036	.0007	.0003	-.0041
#2	-.0076	.3211	.1505	1.036	.0006	.0003	.0047
#3	-.0059	.3264	.1627	1.032	.0006	.0003	.0258

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	-.0003	.9858	-.0025	.0031	.0101	.9873
SDev	.0009	.0007	.0053	.0003	.0014	.0014	.0028
%RSD	10.70	248.6	.5393	13.59	44.41	14.17	.2817
#1	.0071	.0005	.9836	-.0021	.0046	.0084	.9865
#2	.0088	-.0009	.9919	-.0026	.0025	.0109	.9904
#3	.0083	-.0004	.9820	-.0027	.0020	.0109	.9850

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9959	-.0041	-1.148	.4884	-.0019	-.0723	.0001
SDev	.0035	.0007	.036	.0021	.0007	.0147	.0004
%RSD	.3552	16.26	3.139	.4389	38.19	20.40	294.8
#1	.9975	-.0034	-1.117	.4876	-.0027	-.0569	-.0003
#2	.9983	-.0041	-1.187	.4908	-.0013	-.0861	.0004
#3	.9918	-.0047	-1.140	.4867	-.0018	-.0740	.0003

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	.8986	26.53	.9704	.0204	.0951	.1062
SDev	.0013	.0064	.95	.0040	.0009	.0214	.0063
%RSD	44.55	.7083	3.581	.4177	4.284	22.54	5.915
#1	.0043	.9059	27.19	.9746	.0198	.1159	.1095
#2	.0017	.8949	25.44	.9701	.0201	.0963	.0990
#3	.0028	.8949	26.95	.9665	.0214	.0731	.1102

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.221	1.033	1.009	.0521	.0320	10.27	.8843
SDev	.009	.003	.002	.0116	.0132	.07	.0038
%RSD	.7716	.3140	.1863	22.24	41.38	.6770	.4262
#1	1.232	1.035	1.011	.0493	.0167	10.19	.8865
#2	1.215	1.029	1.008	.0422	.0404	10.29	.8799
#3	1.217	1.035	1.008	.0649	.0388	10.32	.8864

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	1.027	2.702	.0018	-.0025	12.06	-.0022
SDev	.0000	.003	.019	.0005	.0090	.06	.0005

%RSD	.0481	.3108	.7189	26.35	365.1	.4853	22.66
#1	.0010	1.024	2.721	.0014	-.0125	12.00	-.0018
#2	.0010	1.029	2.701	.0018	.0001	12.09	-.0027
#3	.0010	1.030	2.682	.0024	.0050	12.11	-.0020

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	1.013	.4912	.0013	-.0065
SDev	.016	.0025	.0002	.0008
%RSD	1.563	.5046	15.08	12.40
#1	1.010	.4923	.0015	-.0074
#2	1.030	.4930	.0011	-.0064
#3	.9989	.4884	.0014	-.0058

Analysis Report QC Standard Thu 02-08-96 12:38:30 PM page 1

Method: ICP1A Sample Name: QC_MCVA 960130I901 Operator: DRS
Run Time: 02/08/96 12:37:11
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass * SB-HIB DMS 2/18/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4911	10.000	2.502	2.069	.4955	.0981	24.46
SDev	.0026	.0368	.018	.008	.0025	.0005	.10
%RSD	.5219	.3679	.7299	.3920	.5094	.5033	.4124
#1	.4897	9.990	2.481	2.068	.4950	.0978	24.39
#2	.4896	9.968	2.509	2.062	.4932	.0978	24.42
#3	.4941	10.04	2.516	2.078	.4982	.0986	24.57
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.35	.4975	-.0173	1.007	1.009	.9426	-.0020
SDev	.11	.0087	.0048	.005	.009	.0075	.0006
%RSD	.4185	1.743	27.53	.4793	.8897	.8003	28.25
#1	25.30	.5072	-.0157	1.003	1.007	.9402	-.0019
#2	25.29	.4944	-.0135	1.007	1.001	.9365	-.0015
#3	25.48	.4907	-.0226	1.012	1.019	.9511	-.0025
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	20.35	23.71	-.0010	1.953	32.77	.3164
SDev	.0001	.09	.12	.0010	.012	.13	.0029
%RSD	7.633	.4652	.5106	100.3	.6392	.3889	.9706
#1	.0012	20.31	23.68	-.0009	1.958	32.71	.3153
#2	.0014	20.29	23.61	-.0001	1.939	32.67	.3142
#3	.0012	20.46	23.84	-.0020	1.962	32.91	.3199
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.009	36.70	41.47	-.0083	1.007	4.901	2.505
SDev	.007	.14	.35	.0053	.004	.042	.009
%RSD	.7005	.3702	.8539	63.67	.4430	.8512	.3603
#1	1.015	36.70	41.16	-.0122	1.002	4.856	2.495
#2	1.001	36.57	41.86	-.0023	1.011	4.938	2.508
#3	1.010	36.84	41.40	-.0106	1.007	4.911	2.512
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	1.000	36.70			1.000		2.500

Range	.1000	3.670			.1000		.2500
Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0453	-.0176	.0054	02.762	2.528	18.97	.0853
SDev	.0076	.0048	.0023	.009	.041	.09	.0229
%RSD	16.90	27.06	43.55	.3140	1.623	.4744	26.85
#1	-.0529	-.0221	.0030	02.767	2.481	18.94	.0843
#2	-.0376	-.0126	.0077	02.752	2.556	18.91	.1086
#3	-.0454	-.0180	.0054	02.766	2.547	19.08	.0629
Errors	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Pass	QC Pass	NOCHECK
Value				2.500	2.500	20.00	
Range				.2500	.2500	2.000	

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5052	.0441	.0297	.9907	2.439	-.0664	.9747
SDev	.0029	.0072	.0040	.0046	.009	.0450	.0053
%RSD	.5758	16.23	13.59	.4601	.3626	67.74	.5472
#1	.5045	.0360	.0257	.9899	2.440	-.0608	.9719
#2	.5028	.0497	.0297	.9866	2.429	-.0245	.9713
#3	.5094	.0465	.0338	.9956	2.447	-.1140	.9809
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.5000			1.000	2.500		1.000
Range	.0500			.1000	.2500		.1000

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0375	.0005	1.010	1.995
SDev	.0156	.0002	.003	.010
%RSD	41.49	33.04	.3093	.4965
#1	.0492	.0007	1.006	1.990
#2	.0198	.0006	1.011	1.988
#3	.0434	.0003	1.011	2.006
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			1.000	2.000
Range			.1000	.2000

Analysis Report QC Standard Thu 02-08-96 12:42:18 PM page 1

Method: ICP1A Sample Name: QC_MCVB 960206I901 Operator: DRS
Run Time: 02/08/96 12:40:59
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Pass (X) Sn- N/A DM 2/8/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0092	.6260	.2959	1.994	.0018	.0005	.0567
SDev	.0008	.0053	.0111	.021	.0002	.0000	.0099
%RSD	8.566	.8396	3.755	1.035	8.863	8.031	17.51
#1	-.0101	.6271	.3011	2.005	.0017	.0005	.0595
#2	-.0088	.6306	.2831	1.970	.0020	.0006	.0456
#3	-.0087	.6202	.3034	2.007	.0017	.0006	.0648
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0118	.0025	1.928	-.0035	.0051	.0208	1.920
SDev	.0004	.0018	.016	.0004	.0006	.0009	.011
%RSD	3.825	69.98	.8502	10.31	12.66	4.479	.5610
#1	.0121	.0035	1.944	-.0033	.0055	.0210	1.931
#2	.0113	.0005	1.911	-.0033	.0054	.0215	1.910
#3	.0120	.0035	1.930	-.0039	.0043	.0197	1.919
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.936	.0033	-1.675	.9483	-.0026	-.1259	.0005
SDev	.010	.0004	.083	.0042	.0003	.0087	.0002
%RSD	.4956	11.11	4.946	.4469	10.83	6.909	43.57
#1	1.944	.0038	-1.753	.9527	-.0027	-.1238	.0003
#2	1.925	.0031	-1.588	.9442	-.0027	-.1355	.0007
#3	1.937	.0031	-1.683	.9481	-.0022	-.1184	.0004
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			1.000			
Range	10.00			10.00			

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	1.441	52.38	1.894	.0337	.1021	.2212
SDev	.0006	.008	.60	.011	.0012	.0019	.0038
%RSD	8.424	.5745	1.145	.5689	3.439	1.908	1.737
#1	.0059	1.443	51.90	1.904	.0326	.1014	.2177
#2	.0066	1.432	52.19	1.882	.0350	.1043	.2253
#3	.0070	1.449	53.05	1.896	.0336	.1006	.2207
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value				2.000			

Range				10.00			
Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	02.413	2.000	1.940	.1053	.0612	20.70	01.707
SDev	.008	.010	.012	.0073	.0093	.24	.025
%RSD	.3228	.5023	.6238	6.910	15.13	1.157	1.472
#1	02.404	2.006	1.950	.0978	.0526	20.51	01.720
#2	02.419	1.989	1.927	.1123	.0710	20.62	01.678
#3	02.416	2.006	1.944	.1057	.0600	20.96	01.723
Errors	QC Fail	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail
Value	2.000	2.000	2.000				2.000
Range	10.00	10.00	10.00				10.00

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	1.983	5.183	.0044	.0043	23.75	-.0029
SDev	.0001	.018	.031	.0002	.0034	.07	.0007
%RSD	2.949	.9092	.6038	4.587	79.55	.2809	22.33
#1	.0024	1.992	5.195	.0042	.0080	23.83	-.0032
#2	.0025	1.962	5.148	.0045	.0035	23.71	-.0034
#3	.0024	1.994	5.207	.0046	.0013	23.71	-.0022
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		2.000	5.000			25.00	
Range		10.00	10.00			10.00	

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	1.992	.9511	.0029	-.0087
SDev	.018	.0047	.0002	.0009
%RSD	.9032	.4982	6.890	9.801
#1	1.972	.9562	.0026	-.0085
#2	1.998	.9468	.0030	-.0080
#3	2.006	.9503	.0030	-.0096
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	2.000	1.000		
Range	10.00	10.00		

Analysis Report Thu 02-08-96 12:46:23 PM page 1

Method: ICP1A Sample Name: QC SSTA 9512081902 Operator: DRS
Run Time: 02/08/96 12:45:04
Comment: MCVB 9602061901 @2X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0255	252.2	.2217	.0499	.0096	-.0016	197.1
SDev	.0019	.7	.0206	.0023	.0002	.0001	.7
%RSD	7.553	.2911	9.275	4.609	2.497	5.223	.3592
#1	-.0244	251.5	.2203	.0525	.0099	-.0015	196.6
#2	-.0277	252.1	.2019	.0489	.0095	-.0017	196.8
#3	-.0243	252.9	.2430	.0482	.0095	-.0017	197.9

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	250.0	.0691	.0169	.0012	.2563	-.1128	.0195
SDev	.6	.0037	.0117	.0012	.0026	.0021	.0021
%RSD	.2587	5.372	69.40	104.2	1.021	1.888	10.78
#1	249.6	.0729	.0276	.0026	.2581	-.1111	.0207
#2	249.6	.0655	.0044	.0005	.2533	-.1121	.0171
#3	250.7	.0688	.0186	.0004	.2576	-.1152	.0209

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0848	197.3	101.0	48.73	.0354	-.8599	.0178
SDev	.0005	.5	.5	.16	.0017	.0020	.0004
%RSD	.5876	.2415	.5203	.3313	4.724	.2305	2.365
#1	.0850	196.9	100.7	48.57	.0363	-.8603	.0173
#2	.0843	197.1	100.7	48.72	.0334	-.8578	.0179
#3	.0852	197.8	101.6	48.89	.0363	-.8617	.0181

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1006	.8318	423.9	.1403	190.8	198.4	.9463
SDev	.0020	.0277	2.0	.0077	.6	.6	.0127
%RSD	1.988	3.329	.4769	5.463	.2883	.2961	1.347
#1	.0994	.8061	424.2	.1458	190.5	197.9	.9477
#2	.0995	.8281	421.7	.1315	190.6	198.3	.9329
#3	.1029	.8611	425.6	.1434	191.5	199.0	.9583

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.050	.2497	.1145	.5437	1.502	-.3124	1.493
SDev	.025	.0146	.0111	.0136	.017	.0178	.046
%RSD	2.417	5.864	9.693	2.503	1.112	5.710	3.115
#1	1.061	.2606	.1036	.5484	1.484	-.2920	1.504
#2	1.021	.2331	.1143	.5284	1.505	-.3252	1.442
#3	1.068	.2554	.1258	.5543	1.517	-.3201	1.533

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0189	.7068	-.3209	-.0028	.2969	204.5	.0374
SDev	.0001	.0121	.0091	.0009	.0149	.7	.0030

%RSD	.7320	1.709	2.822	31.26	5.006	.3439	8.000
#1	.0190	.7100	-.3105	-.0019	.2941	203.9	.0378
#2	.0187	.6935	-.3262	-.0037	.2836	204.3	.0343
#3	.0190	.7170	-.3261	-.0029	.3130	205.3	.0402

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.5523	.0191	.0624	.0596
SDev	.0147	.0008	.0020	.0010
%RSD	2.654	4.129	3.135	1.673
#1	.5576	.0199	.0639	.0605
#2	.5636	.0183	.0632	.0585
#3	.5357	.0191	.0602	.0597

Analysis Report Thu 02-08-96 12:50:06 PM page 1

Method: ICP1A Sample Name: QC SSTMCV 951208I903 Operator: DRS
Run Time: 02/08/96 12:48:47
Comment: MCVB 960206I901 @2X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Si
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5012	5.014	2.005	-.0024	.1001	.1005	1.562
SDev	.0016	.034	.014	.0024	.0004	.0006	.010
%RSD	.3646	.6785	.7196	99.54	.3994	.6438	.6204
#1	.5022	5.037	2.019	-.0017	.1003	.1009	1.556
#2	.5023	5.030	1.990	-.0052	.1003	.1009	1.557
#3	.4991	4.975	2.004	-.0005	.0996	.0998	1.573

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.019	.1953	-.0288	-.0051	.3078	-.0047	-.0038
SDev	.004	.0038	.0065	.0009	.0035	.0015	.0010
%RSD	.3853	1.937	22.52	15.40	1.143	32.59	28.53
#1	1.022	.1939	-.0327	-.0060	.3092	-.0056	-.0037
#2	1.020	.1925	-.0325	-.0046	.3039	-.0055	-.0044
#3	1.014	.1996	-.0213	-.0047	.3105	-.0029	-.0032

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0059	.5190	48.89	-.0047	-.0008	-.1177	.1044
SDev	.0001	.0035	.23	.0011	.0013	.0094	.0003
%RSD	1.522	.6722	.4602	24.45	158.7	8.012	.2813
#1	.0058	.5206	48.92	-.0045	-.0018	-.1280	.1045
#2	.0058	.5215	49.11	-.0059	-.0013	-.1158	.1046
#3	.0060	.5151	48.66	-.0036	.0005	-.1094	.1041

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	5.071	38.58	-.0266	.6098	3.935	3.003
SDev	.0012	.057	1.03	.0078	.0093	.030	.005
%RSD	56.73	1.117	2.680	29.26	1.518	.7626	.1728
#1	.0013	5.047	38.79	-.0310	.6205	3.966	3.005
#2	.0018	5.136	37.46	-.0312	.6047	3.933	3.006
#3	.0035	5.031	39.50	-.0176	.6043	3.906	2.997

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0316	-.0225	-.0158	2.243	2.527	2.892	-.0710
SDev	.0141	.0060	.0031	.020	.017	.010	.0369
%RSD	44.60	26.68	19.51	.8925	.6732	.3568	51.98
#1	-.0364	-.0280	-.0140	2.225	2.541	2.903	-.0906
#2	-.0426	-.0234	-.0194	2.265	2.532	2.890	-.0940
#3	-.0157	-.0161	-.0141	2.238	2.508	2.883	-.0284

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0087	-.0322	-.0025	-.0039	19.85	.4934
SDev	.0001	.0031	.0073	.0005	.0126	.11	.0024

%RSD	11.64	35.59	22.78	21.24	324.1	.5416	.4815
#1	.0009	-.0085	-.0406	-.0024	-.0143	19.83	.4952
#2	.0010	-.0058	-.0286	-.0031	.0101	19.96	.4942
#3	.0011	-.0120	-.0274	-.0020	-.0075	19.75	.4907

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0182	-.0013	-.0001	.5067
SDev	.0117	.0001	.0007	.0024
%RSD	64.32	3.920	604.3	.4660
#1	.0097	-.0013	-.0000	.5078
#2	.0316	-.0013	-.0009	.5082
#3	.0133	-.0012	.0006	.5039

Analysis Report QC Standard Thu 02-08-96 12:53:45 PM page 1

Method: ICP1A Sample Name: QC_SRM-1643d 108518 Operator: DRS
Run Time: 02/08/96 12:52:27
Comment: (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0-.0045	0.1143	0.0588	.1432	.5117	0.0124	.0387
SDev	.0005	.0008	.0034	.0020	.0016	.0001	.0047
%RSD	10.88	.6681	5.781	1.419	.3228	.5837	12.21
#1	0-.0044	0.1145	0.0601	.1444	.5109	0.0124	.0342
#2	0-.0041	0.1149	0.0549	.1409	.5105	0.0124	.0382
#3	0-.0051	0.1134	0.0613	.1444	.5136	0.0125	.0436
Errors	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	QC Fail	NOCHECK
Value	.0013	.1276	.0560	.1448	.5065	.0125	
Range	.0570	3.500	.7300	5.200	8.900	.2800	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	031.46	0.0047	-.0231	0.0234	0.0203	0.0133	-.0030
SDev	.09	.0013	.0037	.0005	.0006	.0019	.0003
%RSD	.2935	28.17	16.12	2.190	3.185	14.21	8.912
#1	031.42	0.0033	-.0263	0.0231	0.0195	0.0129	-.0029
#2	031.40	0.0060	-.0190	0.0240	0.0206	0.0153	-.0028
#3	031.57	0.0048	-.0239	0.0231	0.0207	0.0115	-.0033
Errors	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail	NOCHECK
Value	31.04	.0065		.0250	.0185	.0205	
Range	.6400	.3700		.5900	.2000	3.800	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	0.0840	01.439	-.0016	0.0164	08.532	0.0395
SDev	.0001	.0014	.059	.0005	.0011	.027	.0002
%RSD	341.2	1.701	4.126	33.78	6.792	.3167	.4809
#1	.0000	0.0837	01.384	-.0014	0.0151	08.534	0.0393
#2	-.0002	0.0827	01.431	-.0011	0.0170	08.504	0.0394
#3	.0000	0.0856	01.502	-.0021	0.0170	08.558	0.0397
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail
Value		.0912	2.356		.0165	7.989	.0377
Range		3.900	.0350		.5500	.0350	.8300

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.1102	22.07	19.46	-.0100	0.1215	.0187	0-.0111
SDev	.0006	.02	1.32	.0015	.0030	.0126	.0033
%RSD	.5653	.0770	6.801	14.73	2.492	67.72	29.79
#1	0.1104	22.05	20.34	-.0092	0.1222	.0242	0-.0133
#2	0.1107	22.08	20.11	-.0091	0.1241	.0276	0-.0126
#3	0.1095	22.07	17.94	-.0117	0.1182	.0042	0-.0073
Errors	QC Fail	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail
Value	.1129	22.07			.0581		.0181

Range	1.700	.6400			2.700		.6400
Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0461	-.0186	-.0082	0.0488	0-.0025	2.731	-.0716
SDev	.0165	.0061	.0029	.0082	.0073	.009	.0204
%RSD	35.75	33.03	34.96	16.90	294.1	.3189	28.42
#1	-.0372	-.0121	-.0053	0.0395	0-.0004	2.731	-.0821
#2	-.0360	-.0192	-.0110	0.0515	0.0035	2.722	-.0845
#3	-.0651	-.0244	-.0082	0.0553	0-.0106	2.740	-.0481
Errors	NOCHECK	NOCHECK	NOCHECK	QC Fail	QC Fail	NOCHECK	NOCHECK
Value				.0541	.0114		
Range				1.100	.1700		

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3006	-.0051	-.0089	-.0008	0-.0034	-.1083	0.0313
SDev	.0008	.0045	.0048	.0000	.0099	.0521	.0004
%RSD	.2670	87.09	53.83	5.489	288.9	48.06	1.232
#1	.3004	-.0077	-.0115	-.0008	0-.0092	-.0491	0.0317
#2	.2999	.0000	-.0118	-.0006	0.0080	-.1466	0.0313
#3	.3015	-.0078	-.0034	-.0009	0-.0091	-.1293	0.0309
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail
Value	.2948				.0073		.0351
Range	3.400				.2500		1.400

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0010	-.0004	0.0741	-.0028
SDev	.0010	.0002	.0018	.0009
%RSD	95.88	58.61	2.478	33.29
#1	.0015	-.0005	0.0754	-.0028
#2	.0016	-.0005	0.0749	-.0019
#3	-.0001	-.0001	0.0720	-.0038
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value			.0725	
Range			.6500	

Analysis Report Thu 02-08-96 12:57:59 PM page 1

Method: ICP1A Sample Name: QC CCV1 960126H901 Operator: DRS
Run Time: 02/08/96 12:56:40
Comment: MCV8 960206I901 @2X DIL (C-119 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0046	1.956	1.997	2.050	.9810	1.009	1.952
SDev	.0009	.011	.019	.018	.0086	.008	.027
%RSD	18.47	.5495	.9606	.8682	.8750	.7955	1.396
#1	-.0037	1.944	1.975	2.030	.9713	1.000	1.927
#2	-.0049	1.963	2.007	2.064	.9876	1.016	1.981
#3	-.0053	1.961	2.010	2.057	.9840	1.011	1.947

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.008	1.003	-.0219	1.014	.4999	1.959	-.0026
SDev	.010	.007	.0011	.007	.0047	.016	.0010
%RSD	.5114	.7254	5.006	.7121	.9407	.8288	38.62
#1	1.997	.9949	-.0210	1.006	.4962	1.941	-.0015
#2	2.017	1.009	-.0217	1.020	.5052	1.973	-.0034
#3	2.011	1.005	-.0231	1.016	.4984	1.964	-.0029

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	2.021	3.947	-.0044	1.978	2.087	1.034
SDev	.0002	.016	.183	.0011	.018	.017	.007
%RSD	35.61	.7864	4.642	24.50	.9266	.8181	.6648
#1	-.0004	2.004	4.097	-.0032	1.960	2.071	1.026
#2	-.0007	2.035	4.002	-.0048	1.996	2.105	1.039
#3	-.0007	2.025	3.743	-.0052	1.979	2.086	1.037

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.980	8.345	6.489	-.0191	2.065	4.835	2.003
SDev	.015	.069	1.035	.0048	.015	.040	.016
%RSD	.7435	.8247	15.95	24.99	.7189	.8325	.7922
#1	1.963	8.265	7.672	-.0136	2.049	4.789	1.986
#2	1.990	8.382	5.753	-.0213	2.078	4.852	2.017
#3	1.987	8.387	6.041	-.0223	2.069	4.864	2.006

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0380	-.0220	-.0041	.0043	1.971	4.778	-.0243
SDev	.0110	.0063	.0022	.0058	.010	.033	.0233
%RSD	29.03	28.48	55.22	136.4	.5267	.6873	95.65
#1	-.0256	-.0149	-.0015	.0110	1.970	4.741	.0015
#2	-.0418	-.0244	-.0055	.0008	1.982	4.805	-.0436
#3	-.0466	-.0268	-.0052	.0010	1.962	4.788	-.0309

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.992	.0097	.0100	-.0013	1.913	-.3064	.9493
SDev	.018	.0029	.0018	.0006	.035	.0690	.0067

%RSD	.9165	30.02	17.97	50.58	1.815	22.52	.7060
#1	1.972	.0118	.0105	-.0009	1.876	-.2321	.9420
#2	2.007	.0064	.0114	-.0020	1.944	-.3684	.9551
#3	1.998	.0109	.0080	-.0009	1.920	-.3188	.9509

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	.0005	-.0012	1.014	-.0036
SDev	.0032	.0007	.005	.0005
%RSD	592.5	57.72	.5291	14.67
#1	-.0014	-.0004	1.008	-.0030
#2	-.0013	-.0017	1.018	-.0040
#3	.0043	-.0014	1.015	-.0038

Analysis Report Thu 02-08-96 01:01:44 PM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 02/08/96 13:00:25
Comment: MCVB 960206I901 @2X DIL (C-118 DRAINABLE)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0039	.0019	-.0035	-.0007	-.0003	.0001	-.0098
SDev	.0001	.0030	.0019	.0016	.0001	.0000	.0029
%RSD	2.181	156.5	54.21	221.7	29.29	33.47	29.15
#1	-.0040	-.0015	-.0015	-.0020	-.0002	.0001	-.0131
#2	-.0039	.0042	-.0037	-.0012	-.0002	.0001	-.0077
#3	-.0039	.0031	-.0053	.0011	-.0004	.0001	-.0086

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0077	-.0002	-.0142	-.0012	-.0014	.0005	-.0010
SDev	.0004	.0034	.0061	.0008	.0016	.0008	.0005
%RSD	5.569	1522.	42.66	67.68	107.7	175.2	45.73
#1	-.0075	.0034	-.0201	-.0016	-.0012	.0002	-.0013
#2	-.0081	-.0033	-.0146	-.0003	-.0000	.0014	-.0005
#3	-.0073	-.0007	-.0080	-.0018	-.0031	-.0002	-.0013

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0110	-.6448	-.0017	-.0024	-.0189	.0001
SDev	.0001	.0006	.0409	.0005	.0011	.0107	.0003
%RSD	24.56	5.193	6.337	27.72	46.19	56.36	354.0
#1	-.0004	-.0108	-.5976	-.0020	-.0018	-.0082	.0004
#2	-.0005	-.0116	-.6684	-.0012	-.0018	-.0190	-.0001
#3	-.0004	-.0105	-.6684	-.0020	-.0037	-.0295	-.0001

Elem	Mo	Na	Na+	Nd	Ni	P	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0415	-3.087	-.0112	.0449	.0111	-.0192
SDev	.0013	.0210	1.079	.0037	.0018	.0153	.0033
%RSD	897.7	50.58	34.95	33.48	3.900	138.1	16.91
#1	-.0015	-.0508	-2.247	-.0115	.0462	.0073	-.0206
#2	.0011	-.0175	-2.711	-.0147	.0429	-.0020	-.0216
#3	-.0001	-.0563	-4.304	-.0073	.0455	.0280	-.0155

Elem	Pd	Rh	Ru	Sb	Se	Si	Sn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0193	-.0076	-.0034	-.0058	-.0014	-.0247	-.0457
SDev	.0036	.0014	.0011	.0075	.0098	.0012	.0201
%RSD	18.57	18.34	32.52	129.5	717.4	5.063	43.85
#1	-.0170	-.0079	-.0021	-.0145	-.0099	-.0244	-.0689
#2	-.0176	-.0061	-.0041	-.0015	.0094	-.0260	-.0343
#3	-.0235	-.0088	-.0040	-.0014	-.0035	-.0235	-.0341

Elem	Sr	Te	Th	Ti	Tl	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0011	.0004	-.0012	-.0067	-.2256	-.0017
SDev	.0000	.0003	.0066	.0001	.0024	.0916	.0002

%RSD	.7345	24.64	1649.	8.558	35.92	40.59	9.924
#1	.0001	.0009	.0077	-.0013	-.0086	-.3305	-.0019
#2	.0001	.0014	-.0013	-.0011	-.0040	-.1850	-.0015
#3	.0001	.0011	-.0052	-.0011	-.0076	-.1614	-.0017

Elem	W	Y	Zn	Zr
Units	ppm	ppm	ppm	ppm
Avge	-.0070	-.0008	-.0009	-.0025
SDev	.0038	.0001	.0005	.0013
%RSD	54.13	7.475	55.58	50.17
#1	-.0113	-.0007	-.0003	-.0039
#2	-.0058	-.0008	-.0011	-.0015
#3	-.0040	-.0008	-.0012	-.0021

DATE TO QC: 03/19/96

DATA QUALITY REVIEW

I have reviewed the following data for completeness and for compliance with project requirements.

Analyte - ICP - Field Blank, Drainable Liquid, Hydrostatic Fluid

Data Package/Report - BX-112 & BX-104

Project No. - 22762

ACL Numbers - 96-2619, 96-2620, 96-2848, 96-2850, 96-2987
96-2988, 96-2989, 96-2990, 96-2992

PNL ACL Quality Representative

3/28/96
Date

FOR REPORTS FOR FOLLOWING DATA SEE INITIAL RUNS FOR 96-2619, 96-2620, 96-2848, 96-2850

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC CCV1 96012	V1 960126H901
										A0088	A0088
										3/14/96	3/14/96
Statistical Summary for 'QC CCV1 960126H901'										10:36	13:27
(HPS:CCV-1)										CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	***High***	***Low***	1335	1381
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)
Ag		2	0.002	0.004	237					0.005	-0.001
Al	2.000	2	1.997	0.006	0	-0.003	-0.1			1.993	2.001
As	2.000	2	2.113	0.016	1	0.113	5.7			2.102	2.124
B	2.000	2	2.087	0.013	1	0.087	4.3			2.078	2.096
Ba	1.000	2	0.978	0.004	0	-0.022	-2.2			0.975	0.980
Be	1.000	2	0.987	0.001	0	-0.013	-1.3			0.987	0.988
Bi	2.000	2	1.974	0.004	0	-0.026	-1.3			1.977	1.971
Ca	2.000	2	2.078	0.011	1	0.078	3.9			2.070	2.086
Cd	1.000	2	1.028	0.001	0	0.028	2.8			1.028	1.029
Ce		2	-0.009	0.016	-175					0.002	-0.020
Co	1.000	2	1.016	0.009	1	0.016	1.6			1.009	1.022
Cr	0.500	2	0.501	0.001	0	0.001	0.2			0.502	0.500
Cu	2.000	2	1.980	0.019	1	-0.020	-1.0			1.967	1.994
Dy		2	0.000	0.001	1040					0.001	-0.001
Eu		2	0.000	0.001	391					0.001	0.000
Fe	2.000	2	2.016	0.010	0	0.016	0.8			2.009	2.022
K	5.000	2	4.509	0.443	10	-0.491	-9.8			4.823	4.196
La		2	0.000	0.002	-23617					0.002	-0.002
Li	2.000	2	2.000	0.000	0	0.000	0.0			2.000	2.000
Mg	2.000	2	2.079	0.005	0	0.079	4.0			2.075	2.083
Mn	1.000	2	1.043	0.010	1	0.043	4.3			1.036	1.050
Mo	2.000	2	1.973	0.017	1	-0.027	-1.4			1.961	1.985
Na	8.100	2	8.420	0.122	1	0.320	3.9			8.333	8.506
Nd		2	-0.001	0.014	-1016					0.008	-0.011
Ni	2.000	2	2.068	0.028	1	0.068	3.4			2.049	2.088
P	5.000	2	4.923	0.037	1	-0.077	-1.5			4.897	4.949
Pb	2.000	2	2.003	0.002	0	0.003	0.1			2.001	2.004
Pd		2	0.003	0.043	1383					0.034	-0.027
Rh		2	-0.003	0.016	-540					0.008	-0.014
Ru		2	0.004	0.003	68					0.006	0.002
Sb		2	0.019	0.005	28					0.022	0.015
Se	2.000	2	2.009	0.037	2	0.009	0.5			1.983	2.035
Si	5.000	2	4.822	0.006	0	-0.178	-3.6			4.826	4.819
Sn		2	0.051	0.040	78					0.079	0.023
Sr	2.000	2	1.984	0.024	1	-0.016	-0.8			1.967	2.001
Te		2	0.016	0.006	36					0.020	0.012
Th		2	0.010	0.002	19					0.011	0.008
Ti		2	0.000	0.001	-1296					0.000	-0.001
Tl	2.000	2	1.991	0.015	1	-0.009	-0.5			1.980	2.001
U		2	-0.078	0.178	-229					0.048	-0.204
V	1.000	2	0.987	0.002	0	-0.013	-1.3			0.986	0.988
W		2	0.009	0.009	98					0.015	0.003
Y		2	-0.001	0.001	-109					0.000	-0.001
Zn	1.000	2	1.016	0.029	3	0.016	1.6			0.995	1.037
Zr		2	-0.002	0.000	-7					-0.002	-0.002
TIME		2	#######	0.000	0					########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVA1 960	VA1 960	VA1 960	VA1 960
										A0088	A0088	A0088	A0088
										3/14/96	3/14/96	3/14/96	3/14/96
Statistical Summary for 'QC_MCVA1 960226I901'										10:16	11:27	12:12	13:06
(QC-MCVA)										CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1611	1657	1703	1749
	(ug/mL)		*(ug/mL)*	*(ug/mL)*	*(%)*	*(ug/mL)*	*(%)*	*(>110%)*	*(<90%)*	*(ug/mL)*	*(ug/mL)*	*(ug/mL)*	*(ug/mL)*
Ag	0.500	4	0.477	0.004	1	-0.023	-4.6			0.472	0.482	0.479	0.475
Al	10.000	4	9.934	0.145	1	-0.066	-0.7			9.720	10.032	10.011	9.974
As	2.500	4	2.558	0.047	2	0.058	2.3			2.487	2.579	2.584	2.581
B	2.000	4	2.076	0.027	1	0.076	3.8			2.036	2.084	2.096	2.089
Ba	0.500	4	0.489	0.007	2	-0.011	-2.3			0.477	0.494	0.492	0.492
Be	0.100	4	0.094	0.001	1	-0.006	-6.1			0.092	0.095	0.095	0.094
Bi	25.000	4	23.873	0.313	1	-1.127	-4.5			23.436	24.125	24.069	23.862
Ca	25.000	4	24.910	0.338	1	-0.090	-0.4			24.420	25.099	25.162	24.959
Cd	0.500	4	0.483	0.012	3	-0.017	-3.4			0.485	0.499	0.478	0.470
Ce		4	-0.027	0.022	-80					-0.002	-0.023	-0.030	-0.055
Co	1.000	4	0.979	0.016	2	-0.021	-2.1			0.956	0.987	0.990	0.982
Cr	1.000	4	0.982	0.014	1	-0.018	-1.8			0.964	0.990	0.994	0.979
Cu	1.000	4	0.930	0.015	2	-0.070	-7.0			0.910	0.928	0.947	0.933
Dy		4	-0.006	0.002	-35					-0.003	-0.005	-0.006	-0.008
Eu		4	0.000	0.001	12213					0.001	0.000	0.000	-0.001
Fe	20.000	4	19.806	0.281	1	-0.194	-1.0			19.389	19.954	19.991	19.889
K	25.000	4	24.081	0.494	2	-0.919	-3.7			24.291	24.437	24.247	23.350
La		4	-0.005	0.004	-80					-0.001	-0.003	-0.005	-0.010
Li	2.000	4	2.002	0.041	2	0.002	0.1			1.954	1.988	2.050	2.015
Mg	31.200	4	31.706	0.395	1	0.506	1.6			31.138	31.970	31.977	31.737
Mn	0.500	4	0.506	0.010	2	0.006	1.2			0.492	0.506	0.515	0.510
Mo	1.000	4	0.987	0.017	2	-0.013	-1.3			0.962	0.995	0.999	0.993
Na	36.700	4	36.577	0.898	2	-0.123	-0.3			35.271	37.284	36.736	37.015
Nd		4	-0.031	0.019	-60					-0.012	-0.024	-0.034	-0.055
Ni	1.000	4	0.987	0.024	2	-0.013	-1.3			0.953	1.007	1.000	0.987
P	5.000	4	4.863	0.076	2	-0.137	-2.7			4.770	4.901	4.945	4.837
Pb	2.500	4	2.397	0.025	1	-0.103	-4.1			2.367	2.413	2.421	2.386
Pd		4	-0.117	0.051	-43					-0.061	-0.097	-0.132	-0.180
Rh		4	-0.047	0.021	-44					-0.024	-0.042	-0.050	-0.073
Ru		4	0.010	0.003	36					0.005	0.012	0.013	0.008
Sb	2.500	4	2.554	0.044	2	0.054	2.2			2.500	2.584	2.594	2.536
Se	2.500	4	2.494	0.051	2	-0.006	-0.2			2.421	2.528	2.530	2.497
Si	20.000	4	18.356	0.211	1	-1.644	-8.2			18.057	18.524	18.484	18.357
Sn		4	0.144	0.066	46					0.218	0.170	0.128	0.061
Sr	0.500	4	0.499	0.010	2	-0.001	-0.1			0.485	0.504	0.504	0.505
Te		4	0.024	0.012	52					0.041	0.023	0.021	0.011
Th		4	0.049	0.002	5					0.048	0.051	0.045	0.050
Ti	1.000	4	0.972	0.016	2	-0.028	-2.8			0.949	0.981	0.980	0.977
Tl	2.500	4	2.443	0.045	2	-0.057	-2.3			2.384	2.493	2.455	2.438
U		4	-0.479	0.213	-44					-0.248	-0.417	-0.492	-0.760
V	1.000	4	0.996	0.014	1	-0.004	-0.4			0.975	1.007	1.004	0.998
W		4	0.033	0.011	33					0.046	0.034	0.032	0.019
Y		4	-0.001	0.001	-93					0.000	-0.001	-0.001	-0.002
Zn	1.000	4	0.972	0.028	3	-0.028	-2.8			0.931	0.977	0.993	0.989
Zr	2.000	4	1.949	0.036	2	-0.051	-2.6			1.896	1.965	1.969	1.966
TIME		4	#######	0.000	0					########	########	########	########

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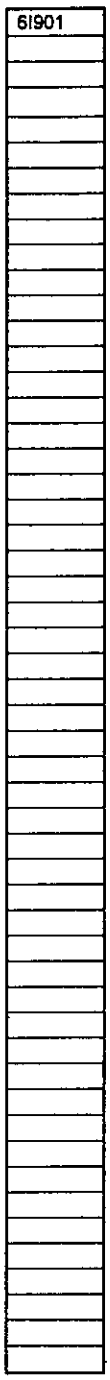

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										QC_MCVB2 960	VB2 960221I901		
										A0088	A0088		
										3/14/96	3/14/96		
Statistical Summary for 'QC_MCVB2 960221I901'										10:19	13:11		
(QC-MCVB)										CONC	CONC		
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1795	1841		
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	*(ug/mL)*	*(ug/mL)*		
Ag		2	-0.007	0.001	-16					-0.006	-0.008		
Al		2	-0.064	0.043	-67					-0.095	-0.034		
As		2	0.273	0.024	9					0.257	0.290		
B		2	0.166	0.000	0					0.166	0.166		
Ba		2	0.000	0.001	191					0.001	0.000		
Be		2	0.001	0.000	7					0.001	0.001		
Bi		2	0.078	0.018	24					0.091	0.065		
Ca		2	0.009	0.017	198					0.021	-0.003		
Cd		2	0.005	0.015	288					0.016	-0.005		
Ce	2.000	2	2.004	0.017	1	0.004	0.2			1.992	2.016		
Co		2	-0.002	0.001	-76					-0.001	-0.003		
Cr		2	0.005	0.002	46					0.006	0.003		
Cu		2	0.023	0.007	29					0.028	0.019		
Dy	2.000	2	2.065	0.027	1	0.065	3.2			2.046	2.084		
Eu	2.000	2	2.083	0.034	2	0.083	4.1			2.059	2.106		
Fe		2	0.019	0.011	60					0.027	0.011		
K		2	-1.825	0.478	-26					-1.488	-2.163		
La	1.000	2	1.030	0.026	3	0.030	3.0			1.012	1.049		
Li		2	-0.007	0.002	-30					-0.008	-0.005		
Mg		2	-0.131	0.003	-2					-0.133	-0.129		
Mn		2	-0.003	0.006	-165					-0.008	0.001		
Mo		2	0.006	0.001	11					0.007	0.006		
Na		2	0.171	0.044	26					0.202	0.139		
Nd	2.000	2	2.035	0.019	1	0.035	1.7			2.021	2.048		
Ni		2	0.028	0.000	0					0.028	0.028		
P		2	0.093	0.018	19					0.106	0.081		
Pb		2	0.212	0.008	4					0.218	0.206		
Pd	2.000	2	1.927	0.062	3	-0.073	-3.6			1.883	1.971		
Rh	2.000	2	2.012	0.017	1	0.012	0.6			2.000	2.024		
Ru	2.000	2	2.060	0.014	1	0.060	3.0			2.050	2.070		
Sb		2	0.092	0.000	0					0.091	0.092		
Se		2	0.062	0.006	10					0.058	0.067		
Si		2	7.303	0.029	0					7.324	7.283		
Sn	2.000	2	2.132	0.022	1	0.132	6.6			2.148	2.116		
Sr		2	0.002	0.001	25					0.003	0.002		
Te	2.000	2	1.901	0.015	1	-0.099	-5.0			1.890	1.911		
Th	10.000	2	10.271	0.198	2	0.271	2.7			10.131	10.411		
Ti		2	0.003	0.001	37					0.004	0.002		
Tl		2	0.010	0.012	121					0.019	0.001		
U	25.000	2	23.226	0.218	1	-1.774	-7.1			23.380	23.071		
V		2	-0.002	0.003	-157					0.000	-0.003		
W	2.000	2	2.014	0.002	0	0.014	0.7			2.016	2.013		
Y	1.000	2	0.986	0.002	0	-0.014	-1.4			0.985	0.987		
Zn		2	0.000	0.005	9707					-0.004	0.004		
Zr		2	-0.085	0.013	-15					-0.075	-0.094		
TIME		2	#######	0.000	0					########	########		

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										QC_SRM-1643d	M-1643d 108518		
										A0088	A0088		
										3/14/96	3/14/96		
Statistical Summary for 'QC_SRM-1643d 108518'										10:32	13:23		
(NIST:SRM1643d)										CONC	CONC		
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1887	1933		
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(>110%)	(<90%)	(ug/mL)	(ug/mL)		
Ag	0.001	2	0.002	0.003	178	0.001	53.5	+	-	0.004	-0.001		
Al	0.128	2	0.151	0.019	12	0.023	18.3	+		0.164	0.138		
As	0.056	2	0.062	0.008	12	0.006	11.2	+		0.068	0.057		
B	0.145	2	0.148	0.002	1	0.003	2.1			0.146	0.149		
Ba	0.507	2	0.504	0.002	0	-0.002	-0.4			0.503	0.506		
Be	0.013	2	0.012	0.000	0	0.000	-3.6			0.012	0.012		
Bi	0.013	2	0.041	0.012	29	0.028	213.4	+		0.049	0.032		
Ca	31.050	2	31.650	0.259	1	0.600	1.9			31.467	31.834		
Cd	0.006	2	0.009	0.008	89	0.002	36.4	+	-	0.014	0.003		
Ce		2	0.001	0.012	2119					0.009	-0.008		
Co	0.025	2	0.026	0.001	6	0.001	4.0			0.027	0.025		
Cr	0.019	2	0.020	0.002	10	0.001	7.5	+		0.022	0.019		
Cu	0.021	2	0.012	0.008	63	-0.009	-41.5		-	0.007	0.017		
Dy		2	0.000	0.002	16829					0.001	-0.001		
Eu		2	0.001	0.001	67					0.002	0.001		
Fe	0.091	2	0.107	0.009	8	0.016	17.1	+		0.113	0.101		
K	2.356	2	2.197	0.612	28	-0.159	-6.7	+	-	2.630	1.764		
La		2	0.012	0.005	39					0.016	0.009		
Li	0.017	2	0.014	0.004	27	-0.003	-17.7		-	0.011	0.016		
Mg	7.989	2	8.438	0.044	1	0.449	5.6			8.407	8.470		
Mn	0.038	2	0.036	0.006	18	-0.001	-3.9		-	0.032	0.041		
Mo	0.113	2	0.111	0.000	0	-0.002	-1.4			0.111	0.111		
Na	22.070	2	21.858	0.343	2	-0.212	-1.0			21.616	22.101		
Nd		2	0.012	0.015	118					0.023	0.002		
Ni	0.058	2	0.122	0.011	9	0.064	109.4	+		0.129	0.114		
P		2	0.027	0.025	92					0.045	0.010		
Pb	0.018	2	0.014	0.003	22	-0.004	-23.7		-	0.016	0.012		
Pd		2	0.012	0.048	413					0.046	-0.022		
Rh		2	0.000	0.016	-4980					0.011	-0.012		
Ru		2	-0.001	0.005	-1020					0.003	-0.004		
Sb	0.054	2	0.065	0.009	13	0.011	20.0	+		0.059	0.071		
Se	0.011	2	0.018	0.000	2	0.007	60.8	+		0.019	0.018		
Si	2.700	2	2.691	0.010	0	-0.009	-0.3			2.698	2.683		
Sn		2	0.004	0.050	1290					0.039	-0.032		
Sr	0.295	2	0.296	0.004	1	0.001	0.5			0.293	0.299		
Te	0.001	2	0.002	0.007	381	0.001	88.0	+	-	0.007	-0.003		
Th		2	-0.011	0.000	0					-0.011	-0.011		
Ti		2	0.000	0.001	222					0.001	0.000		
Tl	0.007	2	0.015	0.005	35	0.007	99.4	+		0.018	0.011		
U		2	0.273	0.204	75					0.418	0.129		
V	0.035	2	0.035	0.001	4	0.000	0.1			0.036	0.034		
W		2	0.008	0.005	62					0.011	0.004		
Y		2	0.000	0.001	165					0.001	0.000		
Zn	0.072	2	0.072	0.009	12	-0.001	-0.8			0.066	0.078		
Zr		2	0.000	0.001	-394					0.000	-0.001		
TIME		2	#######	0.000	0					########	########		

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

										ICP1.0 960103	.0 960103	.0 960103	.0 960103
										A0088	A0088	A0088	A0088
										3/14/96	3/14/96	3/14/96	3/14/96
Statistical Summary for 'ICP1.0 960103F100'										10:12	10:41	11:32	12:16
(ICP1.0 "Blank")										CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	*High*	*Low*	1013	1059	1105	1151
	(ug/mL)		*(ug/mL)*	*(ug/mL)*	*(%)*	*(ug/mL)*	*(%)*	*(>110%)*	*(<90%)*	*(ug/mL)*	*(ug/mL)*	*(ug/mL)*	*(ug/mL)*
Ag		5	0.002	0.003	167					0.003	0.006	0.001	-0.001
Al		5	0.012	0.007	53					0.020	0.016	0.014	0.007
As		5	-0.002	0.007	-365					0.002	-0.007	0.005	-0.012
B		5	0.001	0.003	469					0.004	0.000	-0.003	0.003
Ba		5	0.000	0.000	108					0.001	0.001	0.000	0.000
Be		5	0.000	0.000	119					0.000	0.001	0.000	0.000
Bi		5	0.006	0.004	69					0.001	0.006	0.004	0.012
Ca		5	0.003	0.007	219					0.001	0.002	0.007	0.013
Cd		5	0.004	0.005	133					0.011	0.004	0.008	0.000
Ce		5	0.002	0.010	451					0.016	0.004	0.007	-0.004
Co		5	0.000	0.000	80					0.001	0.001	0.001	0.000
Cr		5	0.000	0.001	236					0.001	0.001	0.000	-0.001
Cu		5	-0.005	0.004	-99					-0.007	-0.007	-0.009	0.000
Dy		5	0.001	0.002	174					0.002	0.002	0.002	-0.001
Eu		5	0.000	0.001	170					0.001	0.001	0.001	0.000
Fe		5	-0.003	0.004	-146					-0.007	-0.006	0.000	0.003
K		5	0.049	0.427	872					0.483	0.322	0.238	-0.276
La		5	0.001	0.003	196					0.004	0.003	0.002	-0.001
Li		5	-0.002	0.007	-369					-0.006	-0.007	-0.005	0.010
Mg		5	-0.001	0.009	-623					-0.006	-0.010	0.005	0.012
Mn		5	-0.005	0.005	-98					-0.008	-0.008	-0.008	0.000
Mo		5	0.001	0.001	262					-0.001	0.002	0.001	-0.001
Na		5	0.030	0.055	179					0.032	0.019	0.122	-0.003
Nd		5	0.006	0.013	216					0.021	0.011	0.012	-0.005
Ni		5	0.013	0.016	125					0.001	0.033	0.007	-0.004
P		5	-0.004	0.017	-407					-0.002	0.001	0.020	-0.017
Pb		5	-0.006	0.003	-44					-0.005	-0.003	-0.005	-0.009
Pd		5	0.031	0.041	134					0.077	0.054	0.047	-0.009
Rh		5	0.011	0.016	150					0.033	0.016	0.016	-0.003
Ru		5	0.003	0.004	120					0.006	0.007	0.004	-0.001
Sb		5	0.008	0.006	74					0.012	0.008	0.016	0.002
Se		5	0.012	0.008	66					0.004	0.004	0.013	0.019
Si		5	0.027	0.042	156					0.095	0.023	0.033	0.000
Sn		5	0.028	0.042	150					0.075	0.057	0.040	-0.025
Sr		5	0.001	0.000	78					0.000	0.001	0.000	0.000
Te		5	0.008	0.009	103					0.011	0.020	0.011	-0.003
Th		5	-0.004	0.002	-51					-0.007	-0.003	-0.004	-0.001
Ti		5	0.000	0.001	262					0.001	0.001	0.001	0.000
Tl		5	0.008	0.003	41					0.011	0.011	0.007	0.003
U		5	0.065	0.168	259					0.234	0.168	0.155	-0.093
V		5	0.000	0.001	261					0.001	0.001	0.001	0.000
W		5	0.006	0.014	225					0.027	0.012	0.009	-0.009
Y		5	0.000	0.001	-311					0.000	0.000	0.000	-0.001
Zn		5	-0.006	0.005	-83					-0.009	-0.009	-0.008	0.000
Zr		5	0.000	0.001	-154					0.000	0.000	0.000	0.000
TIME		5	#######	0.000	0					########	########	########	########

Battelle PNNL/ACL/Inorganic Analysis Group ... ICPAES

.0 960103
A0088
3/14/96
13:32
CONC
1197
(ug/mL)
-0.001
0.004
0.002
-0.001
0.000
0.001
0.006
-0.006
-0.002
-0.011
0.000
0.000
0.001
-0.001
0.000
-0.006
-0.522
-0.002
-0.002
-0.007
0.001
0.001
-0.017
-0.009
0.028
-0.023
-0.008
-0.016
-0.007
-0.001
0.003
0.021
-0.016
-0.006
0.001
0.003
-0.004
-0.001
0.006
-0.138
-0.001
-0.007
-0.001
-0.001
-0.001
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A 6488 ECP-325-445-1 3/14/96 RHS

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	SPC-BLK 108448	A0088	ICP1A	03/14/96	09:25	DRS	S	INT
2	SPC-BLK 108448	A0088	ICP1A	03/14/96	09:25	DRS	S	CONC
3	SPC-STD 10601031100	A0088	ICP1A	03/14/96	09:27	DRS	S	INT
4	SPC-STD 10601031100	A0088	ICP1A	03/14/96	09:27	DRS	S	CONC
5	ICP1.0	A0088	ICP1A	03/14/96	09:32		X	IR
6	ICP1.1B	A0088	ICP1A	03/14/96	09:34		X	IR
7	ICP1.1A - Ignore RHS 3/14/96	A0088	ICP1A	03/14/96	09:37		X	IR
8	ICP1.1A	A0088	ICP1A	03/14/96	09:39		X	IR
9	ICP1.2	A0088	ICP1A	03/14/96	09:43		X	IR
10	ICP1.3	A0088	ICP1A	03/14/96	09:46		X	IR
11	ICP1.4	A0088	ICP1A	03/14/96	09:50		X	IR
12	ICP1.5	A0088	ICP1A	03/14/96	09:54		X	IR
13	ICP1.6	A0088	ICP1A	03/14/96	09:57		X	IR
14	ICP1.7	A0088	ICP1A	03/14/96	10:01		X	IR
15	ICP1.8	A0088	ICP1A	03/14/96	10:06		X	IR
16	ICP1.0 960103F100	A0088	ICP1A	03/14/96	10:12	DRS	S	CONC
PASS 17	QC_MCVA1 9602261901	A0088	ICP1A	03/14/96	10:16	DRS	Q	CONC
PASS 18	QC_MCVB2 9602211901	A0088	ICP1A	03/14/96	10:19	DRS	Q	CONC
19	QC SSTA 9512081902	A0088	ICP1A	03/14/96	10:23	DRS	S	CONC
20	QC SSTMCV 9512081903	A0088	ICP1A	03/14/96	10:28	DRS	S	CONC
21	QC_SRM-1643d 108518	A0088	ICP1A	03/14/96	10:32	DRS	Q	CONC
22	QC CCV1 960126H901	A0088	ICP1A	03/14/96	10:36	DRS	S	CONC
23	ICP1.0 960103F100	A0088	ICP1A	03/14/96	10:41	DRS	S	CONC
24	96-2619	A0088	ICP1A	03/14/96	10:43	DRS	S	CONC
25	96-2620 @5	A0088	ICP1A	03/14/96	10:47	DRS	S	CONC
26	96-2620 @50	A0088	ICP1A	03/14/96	10:51	DRS	S	CONC
27	96-2620	A0088	ICP1A	03/14/96	10:55	DRS	S	CONC
28	96-2848-BLK	A0088	ICP1A	03/14/96	11:02	DRS	S	CONC
29	96-2848 @5	A0088	ICP1A	03/14/96	11:06	DRS	S	CONC
30	96-2848 @50	A0088	ICP1A	03/14/96	11:11	DRS	S	CONC
481 31	Na @500 PPM	A0088	ICP1A	03/14/96	11:15	DRS	S	CONC
32	96-~~2648 @2~~ 96-002845@2	A0088	ICP1A	03/14/96	11:20	DRS	S	CONC
PASS 33	QC_MCVA1 9602261901	A0088	ICP1A	03/14/96	11:27	DRS	Q	CONC
34	ICP1.0 960103F100	A0088	ICP1A	03/14/96	11:32	DRS	S	CONC
35	96-2850 @50X DIL	A0088	ICP1A	03/14/96	11:38	DRS	S	CONC
36	96-2850 @10	A0088	ICP1A	03/14/96	11:42	DRS	S	CONC
37	96-2850 @3	A0088	ICP1A	03/14/96	11:46	DRS	S	CONC
38	96-2987	A0088	ICP1A	03/14/96	11:53	DRS	S	CONC
39	96-2988 @5	A0088	ICP1A	03/14/96	11:56	DRS	S	CONC
40	96-2988 @25	A0088	ICP1A	03/14/96	12:01	DRS	S	CONC
41	96-2988	A0088	ICP1A	03/14/96	12:04	DRS	S	CONC
PASS 42	QC_MCVA1 9602261901	A0088	ICP1A	03/14/96	12:12	DRS	Q	CONC
43	ICP1.0 960103F100	A0088	ICP1A	03/14/96	12:16	DRS	S	CONC
44	96-2989-BLK	A0088	ICP1A	03/14/96	12:18	DRS	S	CONC
45	96-2989 @5	A0088	ICP1A	03/14/96	12:22	DRS	S	CONC
46	96-2989 @50	A0088	ICP1A	03/14/96	12:28	DRS	S	CONC
47	96-2990 @50	A0088	ICP1A	03/14/96	12:37	DRS	S	CONC
48	96-2990 @5	A0088	ICP1A	03/14/96	12:41	DRS	S	CONC
49	96-2992 @50	A0088	ICP1A	03/14/96	12:46	DRS	S	CONC
50	96-2992 @5	A0088	ICP1A	03/14/96	12:51	DRS	S	CONC
993 51	Na @1000 PPM	A0088	ICP1A	03/14/96	12:56	DRS	S	CONC
PASS 52	QC_MCVA1 9602261901	A0088	ICP1A	03/14/96	13:06	DRS	Q	CONC
PASS 53	QC_MCVB2 9602211901	A0088	ICP1A	03/14/96	13:11	DRS	Q	CONC

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	QC SSTA 951208I902	A0088	ICP1A	03/14/96	13:14	DRS	S	CONC
55	QC SSTMCV 951208I903	A0088	ICP1A	03/14/96	13:19	DRS	S	CONC
56	QC_SRM-1643d 108518	A0088	ICP1A	03/14/96	13:23	DRS	Q	CONC
57	QC CCV1 960126H901	A0088	ICP1A	03/14/96	13:27	DRS	S	CONC
58	ICP1.0 960103F100	A0088	ICP1A	03/14/96	13:32	DRS	S	CONC

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#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108448	7099	2218	1669.33	1197.33	330	191
2	SPC-BLK 108448	-.0056	-.0390	-.0413	-.0039	-.0017	-.0001
3	SPC-STD 1060103I100	7157.33	2262.33	1707.67	1234	329.333	191.333
4	SPC-STD 1060103I100	-.0034	-.0246	-.0230	.0007	-.0018	-.0001
5	ICP1.0	.71076	.22263	.16993	.12009	.03303	.01913
6	ICP1.1B					.78046	
7	ICP1.1A					.03396	
8	ICP1.1A					7.31906	
9	ICP1.2		60.9955		39.9819		
10	ICP1.3						
11	ICP1.4			20.4868			
12	ICP1.5						
13	ICP1.6						1.68323
14	ICP1.7	27.8818					
15	ICP1.8						
16	ICP1.0 960103F100	.0030	.0198	.0023	.0043	.0006	.0000
17	QC_MCVA1 960226I901	.4720	9.720	2.487	2.036	.4775	.0920
18	QC_MCVB2 960221I901	-.0060	-.0949	.2566	.1658	.0010	.0008
19	QC SSTA 951208I902	-.0112	257.6	.4102	.0536	.0096	-.0011
20	QC SSTMCV 951208I903	.5135	5.228	2.163	.0001	.1013	.0996
21	QC_SRM-1643d 108518	0.0044	0.1643	0.0678	.1465	.5027	0.0121
22	QC CCV1 960126H901	.0045	1.993	2.102	2.078	.9749	.9865
23	ICP1.0 960103F100	.0057	.0164	-.0067	-.0004	.0011	.0005
24	96-2619	.0012	.1675	-.0026	1.714	.0032	.0002
25	96-2620 @5	.0033	.4633	.0446	.5383	.0006	.0001
26	96-2620 @50	-.0006	.0454	.0016	.0509	-.0001	-.0000
27	96-2620	.0154	2.165	.1596	2.469	.0025	.0006
28	96-2848-BLK	-.0012	.0361	-.0007	.4948	.0003	-.0000
29	96-2848 @5	.0104	1.981	.0801	.4443	.0023	.0006
30	96-2848 @50	.0002	.2062	.0081	.0408	.0002	.0000
31	Na @500 PPM	.0007	.0091	-.0049	-.0046	.0001	-.0000
32	96-2648 @2	.0162	4.733	.1324	1.072	.0039	.0013
33	QC_MCVA1 960226I901	.4822	10.03	2.579	2.084	.4936	.0947
34	ICP1.0 960103F100	.0014	.0142	.0049	-.0032	.0003	.0001
35	96-2850 @50X DIL	-.0002	.1793	.0001	.0632	-.0002	.0000
36	96-2850 @10	.0032	.9148	.0249	.3009	.0012	.0004
37	96-2850 @3	.0083	2.904	.1145	.9554	.0029	.0014
38	96-2987	-.0001	.1615	-.0135	2.581	.0017	-.0000
39	96-2988 @5	-.0028	.0116	-.0211	.5607	.0071	-.0001
40	96-2688 @25	-.0017	.0003	-.0127	.1143	.0011	-.0000
41	96-2988	.0039	.1329	.0265	2.734	.0384	.0000
42	QC_MCVA1 960226I901	.4787	10.01	2.584	2.096	.4917	.0946
43	ICP1.0 960103F100	-.0005	.0071	-.0116	.0034	-.0000	.0000
44	96-2989-BLK	-.0031	.0639	.0129	.0922	.0894	-.0001
45	96-2989 @5	.0064	108.0	.2985	.9758	.0275	.0061
46	96-2989 @50	-.0018	11.37	.0115	.1035	.0025	.0006
47	96-2990 @50	-.0010	11.45	.0243	.1231	.0016	.0007
48	96-2990 @5	.0065	112.1	.3590	1.233	.0209	.0074
49	96-2992 @50	-.0024	2.070	-.0015	.1379	.0017	.0002
50	96-2992 @5	.0042	19.86	.1530	1.385	.0239	.0035
51	Na @1000 PPM	.0001	.0174	.0100	-.0010	.0001	.0000
52	QC_MCVA1 960226I901	.4752	9.974	2.581	2.089	.4916	.0944
53	QC_MCVB2 960221I901	-.0075	-.0340	.2904	.1656	-.0001	.0007

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#	Sample Name	Ag	Al	As	B	Ba	Be
54	QC SSTA 9512081902	-.0174	265.0	.3996	.0495	.0088	-.0013
55	QC SSTMCV 9512081903	.5173	5.354	2.213	-.0027	.1027	.1014
56	QC_SRM-1643d 108518	Q-.0005	Q.1377	Q.0568	.1493	.5059	Q.0121
57	QC CCV1 960126H901	-.0011	2.001	2.124	2.096	.9802	.9885
58	ICP1.0 960103F100	-.0012	.0041	.0017	-.0008	.0001	.0005

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SPC-BLK 108448	1557.67	1399.33	574	6774.67	1543.67	479.333
2	SPC-BLK 108448	-.0133	.0019	.0060	-.0419	-.0019	-.0050
3	SPC-STD 1060103I100	1787	1694.67	596	6777.33	1526.33	499.667
4	SPC-STD 1060103I100	-.0094	.0948	.0083	-.0411	-.0039	-.0015
5	ICP1.0	.15569	.13946	.05206	.67876	.15146	.04839
6	ICP1.1B					1.90703	1.2501
7	ICP1.1A					.15296	.05016
8	ICP1.1A					16.6265	11.3927
9	ICP1.2		78.479	8.90596			
10	ICP1.3						
11	ICP1.4				21.0315		
12	ICP1.5						
13	ICP1.6						
14	ICP1.7	22.7037					
15	ICP1.8						
16	ICP1.0 960103F100	.0013	.0005	.0108	.0160	.0006	.0006
17	QC_MCVA1 9602261901	23.44	24.42	.4854	-.0016	.9561	.9638
18	QC_MCVB2 9602211901	.0907	.0209	.0156	1.992	-.0009	.0065
19	QC SSTA 9512081902	199.2	254.8	.0726	.1999	.0125	.2373
20	QC SSTMCV 9512081903	1.689	1.154	.2181	.0240	-.0004	.3172
21	QC_SRM-1643d 108518	.0491	Q31.47	Q.0144	.0087	Q.0271	Q.0219
22	QC CCV1 960126H901	1.977	2.070	1.028	.0021	1.009	.5017
23	ICP1.0 960103F100	.0056	.0019	.0041	.0036	.0009	.0010
24	96-2619	.3278	.2499	.0083	.0025	.0029	.1292
25	96-2620 @5	.0520	.0989	.0079	.0095	.0064	2.325
26	96-2620 @50	-.0004	-.0236	.0098	-.0144	-.0017	.2411
27	96-2620	.2125	.5585	.0116	.0414	.0302	10.66
28	96-2848-BLK	-.0142	-.0031	.0077	-.0173	-.0021	.0003
29	96-2848 @5	4.804	.0672	.0160	.0965	.0107	10.99
30	96-2848 @50	.4941	-.0290	.0080	.0110	-.0002	1.130
31	Na @500 PPM	-.0027	-.0360	.0087	-.0020	-.0004	.0017
32	96-2648 @2	11.56	.1882	.0143	.1895	.0189	25.81
33	QC_MCVA1 9602261901	24.13	25.10	.4989	-.0228	.9873	.9901
34	ICP1.0 960103F100	.0039	.0071	.0077	.0070	.0008	.0002
35	96-2850 @50X DIL	.3110	.0097	-.0035	-.0012	-.0006	1.776
36	96-2850 @10	1.568	.0168	-.0043	.0533	.0053	8.722
37	96-2850 @3	4.988	.1314	.0063	.1576	.0136	27.53
38	96-2987	.0074	.6646	-.0090	-.0002	.0016	.0095
39	96-2988 @5	.0015	.3363	-.0048	-.0325	-.0029	-.0027
40	96-2688 @25	-.0094	.0433	.0008	-.0163	-.0023	-.0014
41	96-2988	.0445	1.485	-.0014	-.0164	.0055	.0028
42	QC_MCVA1 9602261901	24.07	25.16	.4777	-.0301	.9904	.9941
43	ICP1.0 960103F100	.0120	.0131	-.0001	-.0038	.0002	-.0006
44	96-2989-BLK	-.0038	.2040	-.0044	-.0279	-.0034	.0006
45	96-2989 @5	.2764	.9698	.0706	.0474	.0190	99.82

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#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
46	96-2989 @50	.0319	.0655	.0013	-.0148	-.0008	10.95
47	96-2990 @50	.0243	.0115	.0007	-.0083	-.0013	13.70
48	96-2990 @5	.2395	.4719	.0253	.0483	.0092	126.6
49	96-2992 @50	.0062	-.0129	-.0002	-.0242	-.0026	6.863
50	96-2992 @5	.1190	.2513	.0201	.0235	.0040	64.87
51	Na @1000 PPM	-.0003	-.0114	-.0001	.0002	.0006	.0216
52	QC_MCVA1 960226I901	23.86	24.96	.4701	-.0549	.9820	.9792
53	QC_MCVB2 960221I901	.0648	-.0035	-.0053	2.016	-.0029	.0033
54	QC SSTA 951208I902	202.5	260.9	.0643	.1437	.0085	.2451
55	QC SSTMCV 951208I903	1.686	1.157	.2058	-.0087	-.0026	.3164
56	QC_SRM-1643d 108518	.0323	031.83	Q.0033	-.0076	.0250	Q.0189
57	QC CCV1 960126H901	1.971	2.086	1.029	-.0200	1.022	.5005
58	ICP1.0 960103F100	.0058	-.0061	-.0023	-.0113	-.0000	.0000

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108448	532	2061.33	366	614	2168.67	1067.67
2	SPC-BLK 108448	-.0173	-.0069	-.0021	-.0112	-1.192	-.0109
3	SPC-STD 1060103I100	20639	2264	366.333	666.667	2168	1070.33
4	SPC-STD 1060103I100	10.28	-.0029	-.0020	-.0118	-1.207	-.0100
5	ICP1.0	.05593	.2063	.03663	.06129	.21709	.10716
6	ICP1.1B	.46163			7.23956		
7	ICP1.1A	.05463			.07026		
8	ICP1.1A	3.96876			66.6393		
9	ICP1.2					2.39073	
10	ICP1.3		39.1752	9.54793			5.05156
11	ICP1.4						
12	ICP1.5						
13	ICP1.6						
14	ICP1.7						
15	ICP1.8						
16	ICP1.0 960103F100	-.0071	.0022	.0012	-.0068	.4831	.0042
17	QC_MCVA1 960226I901	.9100	-.0034	.0010	19.39	24.29	-.0009
18	QC_MCVB2 960221I901	.0280	2.046	2.059	.0267	-1.488	1.012
19	QC SSTA 951208I902	-.1237	.0408	.0940	197.1	104.3	52.54
20	QC SSTMCV 951208I903	-.0098	.0036	.0084	.6192	51.33	.0339
21	QC_SRM-1643d 108518	Q.0066	.0012	.0015	Q.1129	Q2.630	.0156
22	QC CCV1 960126H901	1.967	.0012	.0008	2.009	4.823	.0017
23	ICP1.0 960103F100	-.0074	.0023	.0008	-.0057	.3220	.0034
24	96-2619	.0100	-.0002	.0003	.2149	.5674	.0009
25	96-2620 @5	.0274	.0038	.0044	.0358	10.84	.0037
26	96-2620 @50	-.0087	-.0013	.0003	-.0051	.7668	-.0032
27	96-2620	.1633	.0172	.0186	.1921	52.44	.0183
28	96-2848-BLK	-.0111	-.0018	-.0005	.0122	-.6211	-.0050
29	96-2848 @5	.0176	.0082	.0104	.9150	24.61	.0167
30	96-2848 @50	-.0085	.0004	.0012	.0850	2.277	.0009
31	Na @500 PPM	-.0109	.0001	.0004	-.0082	-.1840	.0003
32	96-2648 @2	.0513	.0128	.0220	2.166	58.47	.0276
33	QC_MCVA1 960226I901	.9277	-.0050	.0004	19.95	24.44	-.0032
34	ICP1.0 960103F100	-.0087	.0018	.0007	-.0003	.2377	.0017
35	96-2850 @50X DIL	.0012	-.0003	.0011	.3018	3.275	-.0004
36	96-2850 @10	.0049	.0048	.0075	1.510	17.08	.0108
37	96-2850 @3	.0177	.0125	.0227	4.792	54.94	.0282

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#	Sample Name	Cu	Dy	Eu	Fe	K	La
38	96-2987	.0086	-.0003	-.0001	.0283	.1994	.0005
39	96-2988 @5	.0003	-.0035	-.0015	-.0072	-.8361	-.0083
40	96-2688 @25	-.0014	-.0017	-.0007	-.0078	-.5830	-.0044
41	96-2988	.0164	.0041	-.0003	.0042	.1611	-.0014
42	QC_MCVA1 960226I901	.9474	-.0062	-.0002	19.99	24.25	-.0050
43	ICP1.0 960103F100	.0000	-.0008	-.0002	.0034	-.2761	-.0009
44	96-2989-BLK	.0035	-.0037	-.0012	.0933	-.6674	-.0069
45	96-2989 @5	.0782	.0052	.0181	.0837	74.45	.0133
46	96-2989 @50	.0066	-.0016	.0011	.0008	7.188	-.0027
47	96-2990 @50	-.0022	-.0014	.0015	-.0024	7.663	-.0027
48	96-2990 @5	-.0003	.0053	.0226	.0538	81.21	.0079
49	96-2992 @50	-.0031	-.0031	-.0001	-.0053	2.884	-.0050
50	96-2992 @5	.0031	.0031	.0114	.0318	36.41	.0046
51	Na @1000 PPM	.0020	.0011	.0003	-.0066	-.1918	.0012
52	QC_MCVA1 960226I901	.9330	-.0080	-.0012	19.89	23.35	-.0098
53	QC_MCVB2 960221I901	.0186	2.084	2.106	.0108	-2.163	1.049
54	QC SSTA 951208I902	-.1254	.0383	.0943	201.9	105.1	55.28
55	QC SSTMCV 951208I903	-.0037	-.0011	.0070	.6146	51.06	.0239
56	QC_SRM-1643d 108518	Q.0173	-.0012	.0006	Q.1008	Q1.764	.0089
57	QC CCV1 960126H901	1.994	-.0009	-.0004	2.022	4.196	-.0017
58	ICP1.0 960103F100	.0007	-.0009	-.0005	-.0061	-.5216	-.0017

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
1	SPC-BLK 108448	419.333	2571	210.333	858.333	435.333	3949.33
2	SPC-BLK 108448	-.0109	-.0292	-.0066	-.0052	-.0852	-.0424
3	SPC-STD 10601031100	21594	2659.33	64462.7	894.333	439.667	3953.67
4	SPC-STD 10601031100	10.28	-.0331	10.42	-.0028	-.0612	-.0407
5	ICP1.0	.0441	.25726	.02633	.0859	.0434	.3954
6	ICP1.1B		4.59709		1.24773	.50326	
7	ICP1.1A		.26339		.08783	.04406	
8	ICP1.1A		39.1724		11.1225	4.5204	
9	ICP1.2	10.3551		6.14233			
10	ICP1.3						13.2944
11	ICP1.4						
12	ICP1.5						
13	ICP1.6						
14	ICP1.7						
15	ICP1.8						
16	ICP1.0 960103F100	-.0058	-.0062	-.0082	-.0007	.0318	.0207
17	QC_MCVA1 960226I901	1.954	31.14	.4923	.9621	35.27	-.0115
18	QC_MCVB2 960221I901	-.0084	-.1334	-.0075	.0068	.2018	2.021
19	QC SSTA 951208I902	.0272	-.8890	.0135	.1027	.9060	.2564
20	QC SSTMCV 951208I903	-.0052	-.1089	.0997	.0053	5.121	.0200
21	QC_SRM-1643d 108518	Q.0110	Q8.407	Q.0317	.1114	Q21.62	.0229
22	QC CCV1 960126H901	2.000	2.075	1.036	1.961	8.333	.0084
23	ICP1.0 960103F100	-.0066	-.0102	-.0078	.0022	.0189	.0113
24	96-2619	.1130	.0880	-.0015	.0136	39.99	.0043
25	96-2620 @5	314.9	-.0242	-.0076	.5683	1102.	.0075
26	96-2620 @50	33.53	-.0202	-.0085	.0566	117.2	-.0037
27	96-2620	773.8	-.0745	-.0044	2.595	4110.	.0295
28	96-2848-BLK	.0141	-.0138	-.0081	-.0013	.9172	-.0111
29	96-2848 @5	14.36	-.0458	.0010	.9616	2437.	.0569

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#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
30	96-2848 @50	1.496	-.0174	-.0076	.0968	268.4	.0057
31	Na @500 PPM	.0002	-.0167	-.0087	.0001	481.3	.0068
32	96-2648 @2	34.98	-.1044	.0131	2.271	4841.	.0834
33	QC_MCVA1 960226I901	1.988	31.97	.5065	.9947	37.28	-.0237
34	ICP1.0 960103F100	-.0052	.0047	-.0081	.0009	.1218	.0115
35	96-2850 @50X DIL	.1519	-.0170	.0026	.1652	357.1	.0025
36	96-2850 @10	.7452	-.0175	.0127	.8200	1680.	.0297
37	96-2850 @3	2.392	-.0511	.0399	2.594	4614.	.0749
38	96-2987	.1568	.2202	.0248	.0070	10.76	.0010
39	96-2988 @5	139.3	.0069	-.0003	.0003	1.281	-.0309
40	96-2688 @25	28.40	-.0048	-.0001	-.0014	.2235	-.0149
41	96-2988	611.3	.1472	.0012	.0180	5.743	-.0148
42	QC_MCVA1 960226I901	2.050	31.98	.5150	.9989	36.74	-.0340
43	ICP1.0 960103F100	.0100	.0117	.0001	-.0010	-.0028	-.0050
44	96-2989-BLK	.0026	.0595	.0026	-.0019	1.608	-.0261
45	96-2989 @5	.0414	.0243	.0082	1.197	4286.	.0302
46	96-2989 @50	.0039	-.0178	.0006	.1280	532.5	-.0127
47	96-2990 @50	.1459	-.0177	.0006	.1349	545.5	-.0117
48	96-2990 @5	1.432	.0255	.0084	1.318	4472.	.0242
49	96-2992 @50	3.237	-.0142	-.0001	.0581	279.9	-.0220
50	96-2992 @5	30.90	.0099	.0033	.5913	2507.	.0129
51	Na @1000 PPM	.0113	-.0070	.0002	-.0002	992.9	.0056
52	QC_MCVA1 960226I901	2.015	31.74	.5100	.9928	37.02	-.0555
53	QC_MCVB2 960221I901	-.0055	-.1293	.0006	.0058	.1394	2.048
54	QC SSTA 951208I902	.0325	-.7613	.0213	.1017	.8503	.2407
55	QC SSTMCV 951208I903	-.0034	-.0906	.1097	.0035	5.297	-.0145
56	QC_SRM-1643d 108518	Q.0162	Q8.470	Q.0407	.1113	22.10	.0021
57	QC CCV1 960126H901	2.000	2.083	1.050	1.985	8.506	-.0111
58	ICP1.0 960103F100	-.0018	-.0075	.0005	.0012	-.0175	-.0094

#	Sample Name	Ni	P	Pb	Pd	Rh	Ru
1	SPC-BLK 108448	522.333	1332.67	14538.3	15935.3	16099.7	4540.33
2	SPC-BLK 108448	-.0034	-.0495	-.0462	-.0989	-.0476	-.0213
3	SPC-STD 1060103I100	526.667	1499.33	131188	15955	16094.7	4564.33
4	SPC-STD 1060103I100	-.0018	-.0596	10.11	-.0985	-.0483	-.0176
5	ICP1.0	.05226	.1357	1.46646	1.59436	1.61039	.45543
6	ICP1.1B	.64273		7.40656			
7	ICP1.1A	.05286		1.47296			
8	ICP1.1A	5.56566		57.347			
9	ICP1.2		11.8777				
10	ICP1.3						32.474
11	ICP1.4						
12	ICP1.5						
13	ICP1.6						
14	ICP1.7						
15	ICP1.8				17.694	41.2572	
16	ICP1.0 960103F100	.0011	-.0016	-.0048	.0768	.0325	.0062
17	QC_MCVA1 960226I901	.9533	4.770	2.367	-.0608	-.0235	.0054
18	QC_MCVB2 960221I901	.0277	.1059	.2179	1.883	2.000	2.050
19	QC SSTA 951208I902	192.1	204.8	.9920	1.092	.2789	.3016
20	QC SSTMCV 951208I903	.6845	4.203	3.091	.0615	.0191	.0104
21	QC_SRM-1643d 108518	Q.1295	.0449	Q.0160	.0458	.0113	.0032

#	Sample Name	Ni	P	Pb	Pd	Rh	Ru
22	QC CCV1 960126H901	2.049	4.897	2.001	.0337	.0083	.0060
23	ICP1.0 960103F100	.0335	.0011	-.0032	.0543	.0159	.0068
24	96-2619	.0420	3.908	-.0019	.0263	.0016	.0028
25	96-2620 @5	.0413	32.30	.0160	.1045	.0825	.0756
26	96-2620 @50	.0208	3.202	-.0204	.0087	-.0025	.0055
27	96-2620	.1102	156.4	.1094	.4086	.3682	.3322
28	96-2848-BLK	.0220	-.0158	-.0251	-.0136	-.0140	-.0044
29	96-2848 @5	.0658	212.5	.1852	.1509	.1629	.1379
30	96-2848 @50	.0159	20.94	-.0009	.0288	.0178	.0107
31	Na @500 PPM	.0094	.0003	-.0088	.0259	.0042	.0035
32	96-2648 @2	.1235	516.0	.4132	.1776	.3307	.3020
33	QC_MCVA1 960226I901	1.007	4.901	2.413	-.0966	-.0417	.0122
34	ICP1.0 960103F100	.0072	.0199	-.0045	.0474	.0162	.0041
35	96-2850 @50X DIL	.0047	21.71	-.0027	.0104	.0208	.0237
36	96-2850 @10	.0293	109.8	.0230	.1085	.1331	.1417
37	96-2850 @3	.1021	361.2	.0545	.2599	.3942	.4377
38	96-2987	.0045	.6004	-.0061	.0075	.0001	-.0014
39	96-2988 @5	-.0068	-.0145	-.0231	-.0506	-.0309	-.0096
40	96-2688 @25	-.0061	-.0130	-.0159	-.0287	-.0167	-.0058
41	96-2988	.0001	.0293	.0409	.1041	.0346	.0117
42	QC_MCVA1 960226I901	.9996	4.945	2.421	-.1325	-.0495	.0126
43	ICP1.0 960103F100	-.0036	-.0174	-.0093	-.0093	-.0030	-.0006
44	96-2989-BLK	-.0050	-.0123	-.0160	-.0599	-.0285	-.0078
45	96-2989 @5	.5186	76.27	.4181	-.0487	.2235	.3094
46	96-2989 @50	.0495	7.766	.0247	-.0399	.0049	.0246
47	96-2990 @50	.0047	6.164	.0290	-.0435	.0125	.0232
48	96-2990 @5	.1463	62.71	.4123	-.1498	.2473	.2726
49	96-2992 @50	-.0001	4.630	-.0096	-.0587	-.0179	.0050
50	96-2992 @5	.0856	46.52	.1134	-.0382	.1173	.1409
51	Na @1000 PPM	-.0069	.0134	-.0032	.0191	.0046	.0062
52	QC_MCVA1 960226I901	.9868	4.837	2.386	-.1801	-.0734	.0082
53	QC_MCVB2 960221I901	.0276	.0807	.2059	1.971	2.024	2.070
54	QC SSTA 951208I902	199.5	210.4	.9810	.6823	.2670	.4064
55	QC SSTMCV 951208I903	.6814	4.238	3.119	-.0751	-.0132	-.0030
56	QC_SRM-1643d 108518	0.1138	.0096	0.0117	-.0224	-.0120	-.0042
57	QC CCV1 960126H901	2.088	4.949	2.004	-.0275	-.0142	.0021
58	ICP1.0 960103F100	.0277	-.0226	-.0084	-.0158	-.0075	-.0010

#	Sample Name	Sb	Se	Si	Sn	Sr	Te
1	SPC-BLK 108448	2718.67	1510.67	4114.33	7252.67	156.667	10815
2	SPC-BLK 108448	-.0326	-.0263	-.0115	-.1651	-.0006	-.0271
3	SPC-STD 1060103I100	2815	1540.67	4222	7308.33	159.333	11409.7
4	SPC-STD 1060103I100	-.0012	-.0067	.0184	-.1661	-.0003	-.0095
5	ICP1.0	.2727	.1517	.40946	.72403	.01569	1.07373
6	ICP1.1B					.84513	
7	ICP1.1A					.01673	
8	ICP1.1A					8.08236	
9	ICP1.2						
10	ICP1.3						
11	ICP1.4	24.5941					
12	ICP1.5						
13	ICP1.6			71.9636			47.6799

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#	Sample Name	Sb	Se	Si	Sn	Sr	Te
14	ICP1.7		3.13476				
15	ICP1.8				7.17496		
16	ICP1.0 960103F100	.0115	.0042	.0951	.0754	.0003	.0109
17	QC_MCVA1 960226I901	2.500	2.421	18.06	.2175	.4846	.0407
18	QC_MCVB2 960221I901	.0914	.0578	7.324	2.148	.0028	1.890
19	QC SSTA 951208I902	.4838	1.572	-.1966	3.992	.0201	.6525
20	QC SSTMCV 951208I903	2.213	2.610	2.930	.1586	.0017	.0201
21	QC_SRM-1643d 108518	0.0588	0.0187	2.698	.0393	.2933	.0070
22	QC CCV1 960126H901	.0223	1.983	4.826	.0789	1.967	.0199
23	ICP1.0 960103F100	.0082	.0037	.0234	.0569	.0013	.0201
24	96-2619	.0083	-.0053	2.966	-.0014	.0024	.0045
25	96-2620 @5	.0471	.0527	1.851	.1767	.0042	.0368
26	96-2620 @50	.0054	-.0039	.1345	-.0317	.0004	-.0098
27	96-2620	.2065	.2434	24.66	.6610	.0177	.1642
28	96-2848-BLK	-.0035	-.0037	.2933	-.0125	.0001	-.0051
29	96-2848 @5	.0796	.0961	1.477	.3711	.0096	.0999
30	96-2848 @50	.0107	.0012	.1865	.0340	.0011	.0105
31	Na @500 PPM	.0055	-.0033	.0432	-.0020	.0001	.0080
32	96-2648 @2	.1464	.1903	3.429	.5974	.0221	.2150
33	QC_MCVA1 960226I901	2.584	2.528	18.52	.1696	.5041	.0232
34	ICP1.0 960103F100	.0160	.0132	.0331	.0397	.0004	.0112
35	96-2850 @50X DIL	.0070	.0250	.1569	.0266	.0009	.0033
36	96-2650 @10	.0614	.0826	.8364	.2097	.0050	.0615
37	96-2850 @3	.1533	.1944	2.762	.5932	.0156	.1676
38	96-2987	.0145	.0167	2.719	.0169	.0037	.0052
39	96-2988 @5	-.0017	.0070	1.081	-.0790	.0020	-.0110
40	96-2688 @25	.0096	.0128	.2121	-.0340	.0002	-.0063
41	96-2988	.0404	.0532	5.377	.1324	.0110	.0440
42	QC_MCVA1 960226I901	2.594	2.530	18.48	.1281	.5038	.0207
43	ICP1.0 960103F100	.0018	.0191	.0005	-.0250	.0001	-.0029
44	96-2989-BLK	-.0089	.0063	.0581	-.0785	.0014	-.0063
45	96-2989 @5	.2691	.4402	2.033	.4755	.0031	.2543
46	96-2989 @50	.0276	.0462	.2016	.0044	.0000	.0127
47	96-2990 @50	.0269	.0567	.3899	.0077	-.0000	.0176
48	96-2990 @5	.3502	.4579	4.167	.5308	.0021	.2720
49	96-2992 @50	.0137	.0113	.3176	-.0603	-.0003	-.0084
50	96-2992 @5	.1501	.1341	2.944	.2376	.0009	.0894
51	Na @1000 PPM	.0110	.0205	.0109	.0258	.0000	.0024
52	QC_MCVA1 960226I901	2.536	2.497	18.36	.0613	.5048	.0107
53	QC_MCVB2 960221I901	.0919	.0665	7.283	2.116	.0020	1.911
54	QC SSTA 951208I902	.4799	1.581	-.3083	3.975	.0200	.6186
55	QC SSTMCV 951208I903	2.220	2.687	2.934	.0399	.0012	.0040
56	QC_SRM-1643d 108518	0.0711	0.0181	2.683	-.0315	.2991	-.0032
57	QC CCV1 960126H901	.0148	2.035	4.819	.0229	2.001	.0118
58	ICP1.0 960103F100	.0027	.0207	-.0156	-.0058	.0009	.0030

#	Sample Name	Th	Ti	Tl	U	V	W
1	SPC-BLK 108448	2487.33	691.667	402.667	18113.7	1042	342.667
2	SPC-BLK 108448	-.0077	-.0023	-.0319	-.5611	-.0046	-.0134
3	SPC-STD 10601031100	2503.67	695	424.333	18097.7	1046	351.333
4	SPC-STD 10601031100	.0010	-.0018	.0031	-.5846	-.0038	.0020
5	ICP1.0	.24969	.06899	.03996	1.81243	.10423	.03393

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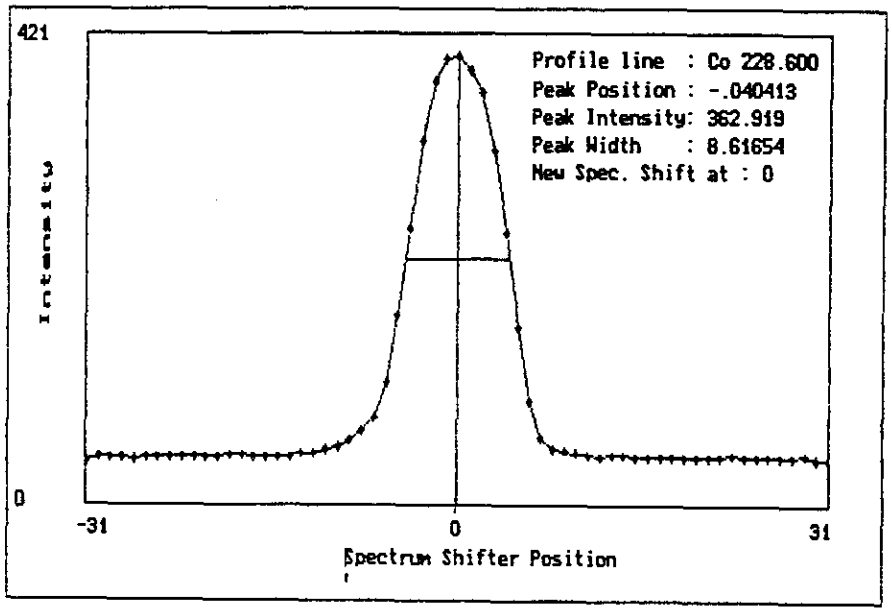
#	Sample Name	Th	Ti	Tl	U	V	W
6	ICP1.1B		1.44166				
7	ICP1.1A		.07056				
8	ICP1.1A		13.5094				
9	ICP1.2						
10	ICP1.3	10.7504					
11	ICP1.4					10.9724	
12	ICP1.5				44.8116		
13	ICP1.6						
14	ICP1.7			1.19836			
15	ICP1.8						2.77489
16	ICP1.0 960103F100	-.0068	.0009	.0110	.2337	.0010	.0265
17	QC_MCVA1 960226I901	.0483	.9486	2.384	-.2478	.9754	.0456
18	QC_MCVB2 960221I901	10.13	.0042	.0188	23.38	.0002	2.016
19	QC SSTA 951208I902	.6563	.0030	.3472	201.2	.0498	.5946
20	QC SSTMCV 951208I903	.0721	.0004	.0129	20.18	.5273	.0367
21	QC_SRM-1643d 108518	-.0109	.0011	0.0181	.4178	0.0360	.0113
22	QC CCV1 960126H901	.0108	.0005	1.980	.0483	.9857	.0152
23	ICP1.0 960103F100	-.0030	.0007	.0106	.1676	.0013	.0118
24	96-2619	.0025	.0019	.0088	.0483	.0001	.0110
25	96-2620 @5	.0532	.0012	.0219	9.415	.0043	.0838
26	96-2620 @50	.0047	-.0006	.0069	.8077	-.0011	.0099
27	96-2620	.2041	.0055	.0874	42.59	.0204	.3363
28	96-2848-BLK	.0034	.0002	.0021	-.2345	-.0017	-.0010
29	96-2848 @5	.1102	.0036	.0438	17.19	.0148	.1125
30	96-2848 @50	.0113	.0000	.0038	1.763	.0005	.0059
31	Na @500 PPM	.0054	.0000	.0054	.0033	-.0001	.0061
32	96-2648 @2	.2879	.0049	.0661	39.86	.0301	.2461
33	QC_MCVA1 960226I901	.0506	.9810	2.493	-.4174	1.007	.0342
34	ICP1.0 960103F100	-.0042	.0009	.0073	.1548	.0011	.0090
35	96-2850 @50X DIL	.0102	-.0002	-.0003	2.620	.0002	.0028
36	96-2850 @10	.0883	.0017	.0240	13.17	.0068	.0825
37	96-2850 @3	.3090	.0046	.0675	40.82	.0200	.2593
38	96-2987	-.0032	.0016	.0047	-.0452	-.0001	.0049
39	96-2988 @5	-.0046	-.0012	-.0049	-.3924	-.0030	-.0173
40	96-2688 @25	-.0039	-.0009	-.0034	-.2725	-.0014	-.0157
41	96-2988	.0058	.0024	.0246	.0508	.0023	.0049
42	QC_MCVA1 960226I901	.0452	.9804	2.455	-.4919	1.004	.0320
43	ICP1.0 960103F100	-.0014	-.0002	.0034	-.0931	-.0005	-.0086
44	96-2989-BLK	-.0029	-.0005	-.0031	-.3435	-.0025	-.0106
45	96-2989 @5	.4669	.0040	.1079	.2575	.0576	1.431
46	96-2989 @50	.0445	-.0008	.0093	-.1909	.0041	.1400
47	96-2990 @50	.0580	-.0008	.0079	-.1719	.0066	.1164
48	96-2990 @5	.6752	.0046	.1329	.2077	.0797	1.232
49	96-2992 @50	.0272	-.0014	-.0032	-.3800	.0029	.0577
50	96-2992 @5	.2821	.0018	.0594	.1973	.0517	.6228
51	Na @1000 PPM	-.0035	-.0001	.0037	.0742	.0004	.0030
52	QC_MCVA1 960226I901	.0501	.9773	2.438	-.7598	.9978	.0189
53	QC_MCVB2 960221I901	10.41	.0025	.0015	23.07	-.0034	2.013
54	QC SSTA 951208I902	1.000	.0005	.3343	206.7	.0478	.5699
55	QC SSTMCV 951208I903	.1112	-.0015	-.0006	20.33	.5340	.0222
56	QC_SRM-1643d 108518	-.0109	-.0002	0.0109	.1287	0.0343	.0044
57	QC CCV1 960126H901	.0082	-.0006	2.001	-.2038	.9884	.0028
58	ICP1.0 960103F100	-.0036	-.0008	.0063	-.1384	-.0009	-.0066

#	Sample Name	Y	Zn	Zr			
1	SPC-BLK 108448	265.333	371.667	840.333			
2	SPC-BLK 108448	-.0025	-.0077	-.0051			
3	SPC-STD 10601031100	265.667	136148	840			
4	SPC-STD 10601031100	-.0024	9.969	-.0058			
5	ICP1.0	.02666	.04963	.0841			
6	ICP1.1B		2.82006	2.55303			
7	ICP1.1A		.043	.0869			
8	ICP1.1A		26.2313	23.7169			
9	ICP1.2						
10	ICP1.3						
11	ICP1.4	2.86226					
12	ICP1.5						
13	ICP1.6						
14	ICP1.7						
15	ICP1.8						
16	ICP1.0 960103F100	.0003	-.0091	.0002			
17	QC_MCVA1 9602261901	.0001	.9309	1.896			
18	QC_MCVB2 9602211901	.9848	-.0037	-.0754			
19	QC SSTA 9512081902	.0239	.0682	-.0028			
20	QC SSTMCV 9512081903	.0002	-.0090	.5016			
21	QC_SRM-1643d 108518	.0008	0.0658	.0003			
22	QC CCV1 960126H901	-.0001	.9951	-.0020			
23	ICP1.0 960103F100	.0004	-.0090	-.0004			
24	96-2619	-.0003	.1683	.0031			
25	96-2620 @5	.0003	.0074	-.0034			
26	96-2620 @50	-.0008	-.0097	-.0026			
27	96-2620	.0033	.0709	-.0053			
28	96-2848-BLK	-.0009	.0083	-.0033			
29	96-2848 @5	.0022	.0268	.0726			
30	96-2848 @50	-.0001	-.0068	.0057			
31	Na @500 PPM	-.0002	-.0103	-.0017			
32	96-2648 @2	.0039	.0791	.1701			
33	QC_MCVA1 9602261901	-.0006	.9772	1.965			
34	ICP1.0 960103F100	.0000	-.0084	.0001			
35	96-2850 @50X DIL	-.0003	.0042	.0244			
36	96-2850 @10	.0018	.0273	.1247			
37	96-2850 @3	.0040	.0913	.3944			
38	96-2987	-.0003	.0663	.0003			
39	96-2988 @5	-.0014	.0183	-.0030			
40	96-2688 @25	-.0010	.0209	-.0022			
41	96-2988	.0002	.0323	.0011			
42	QC_MCVA1 9602261901	-.0012	.9926	1.969			
43	ICP1.0 960103F100	-.0006	-.0004	-.0004			
44	96-2989-BLK	-.0015	.0686	-.0031			
45	96-2989 @5	.0032	.0495	-.0189			
46	96-2989 @50	-.0009	.0040	-.0040			
47	96-2990 @50	-.0005	.0051	-.0051			
48	96-2990 @5	.0032	.0599	-.0366			
49	96-2992 @50	-.0012	-.0011	-.0045			
50	96-2992 @5	.0017	.0080	-.0144			
51	Na @1000 PPM	.0002	-.0012	-.0001			
52	QC_MCVA1 9602261901	-.0020	.9891	1.966			
53	QC_MCVB2 9602211901	.9872	.0038	-.0937			

Analysis Report Averages Thu 03-14-96 01:40:00 PM page 12

#	Sample Name	Y	Zn	Zr			
54	QC SSTA 9512081902	.0226	.0783	-.0318			
55	QC SSTMCV 9512081903	-.0011	-.0003	.5137			
56	QC_SRM-1643d 108518	-.0001	0.0781	-.0007			
57	QC CCV1 960126H901	-.0012	1.037	-.0022			
58	ICP1.0 960103F100	-.0010	-.0007	-.0012			

Addn
ICP-325-405-1
3/14/96 DKS



Analysis Report Thu 03-14-96 09:26:31 AM page 1

Method: ICP1A Sample Name: SPC-BLK 108448 Operator: DRS
Run Time: 03/14/96 09:25:13
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	7099	2218	1669	1197	330	191	1558
SDev	10	2	8	13	1	1	7
%RSD	.1344	.0902	.4496	1.112	.3030	.5236	.4370
#1	7108	2220	1669	1204	331	192	1550
#2	7089	2216	1677	1206	329	191	1563
#3	7100	2218	1662	1182	330	190	1560

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1399	574	6775	1544	479	532	2061
SDev	4	15	2	6	14	1	3
%RSD	.2888	2.566	.0307	.3740	2.923	.1880	.1462
#1	1400	561	6777	1547	468	532	2062
#2	1395	590	6773	1537	495	533	2058
#3	1403	571	6774	1547	475	531	2064

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	366	614	2169	1068	419	2571	210
SDev	0	4	4	5	1	6	1
%RSD	.0000	.5872	.1619	.4806	.2754	.2166	.2745
#1	366	617	2172	1072	418	2572	210
#2	366	610	2165	1062	420	2565	211
#3	366	615	2169	1069	420	2576	210

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	858	435	3949	522	1333	14540	15940
SDev	4	3	4	2	12	46	47
%RSD	.4708	.7384	.0959	.2924	.9382	.3176	.2972
#1	863	439	3952	522	1345	14540	15940
#2	856	434	3945	524	1333	14580	15890
#3	856	433	3951	521	1320	14490	15980

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	16100	4540	2719	1511	4114	7253	157
SDev	18	22	6	4	23	19	1
%RSD	.1091	.4857	.2155	.2675	.5702	.2610	.3685
#1	16080	4559	2721	1506	4122	7266	157
#2	16100	4516	2712	1513	4088	7261	156
#3	16120	4546	2723	1513	4133	7231	157

Elem	Te	Th	Ti	Tl	U	V	W
Avge	10820	2487	692	403	18110	1042	343
SDev	81	6	3	1	32	2	4
%RSD	.7528	.2214	.3638	.1434	.1757	.1919	1.179
#1	10860	2490	694	403	18130	1042	345
#2	10720	2481	689	402	18080	1040	345
#3	10860	2491	692	403	18130	1044	338

Analysis Report Thu 03-14-96 09:26:31 AM

Elem	Y	Zn	Zr
Avge	265	372	840
SDev	1	12	3
%RSD	.2176	3.118	.2995
#1	265	361	840
#2	265	384	838
#3	266	370	843

Analysis Report Thu 03-14-96 09:27:14 AM page 1

Method: ICP1A Sample Name: SPC-BLK 108448 Operator: DRS
Run Time: 03/14/96 09:25:13
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0056	-.0390	-.0413	-.0039	-.0017	-.0001	-.0133
SDev	.0003	.0008	.0037	.0017	.0001	.0001	.0030
%RSD	4.587	2.142	8.997	43.02	8.276	40.71	22.62
#1	-.0053	-.0380	-.0416	-.0031	-.0015	-.0001	-.0167
#2	-.0058	-.0393	-.0375	-.0028	-.0018	-.0001	-.0109
#3	-.0056	-.0396	-.0449	-.0058	-.0017	-.0002	-.0122

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0060	-.0419	-.0019	-.0050	-.0173	-.0069
SDev	.0011	.0016	.0004	.0007	.0024	.0006	.0003
%RSD	60.76	26.88	.9067	35.84	48.13	3.421	4.981
#1	.0020	.0046	-.0415	-.0015	-.0070	-.0174	-.0069
#2	.0007	.0078	-.0420	-.0026	-.0023	-.0167	-.0073
#3	.0029	.0057	-.0422	-.0015	-.0058	-.0179	-.0066

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	-.0112	-1.192	-.0109	-.0109	-.0292	-.0066
SDev	.0000	.0010	.081	.0019	.0006	.0021	.0001
%RSD	.1932	8.794	6.754	17.81	5.170	7.296	1.601
#1	-.0021	-.0104	-1.116	-.0093	-.0115	-.0295	-.0067
#2	-.0021	-.0123	-1.276	-.0131	-.0105	-.0312	-.0065
#3	-.0021	-.0110	-1.184	-.0104	-.0105	-.0269	-.0067

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0052	-.0652	-.0424	-.0034	-.0495	-.0462	-.0989
SDev	.0007	.0179	.0013	.0005	.0104	.0041	.0123
%RSD	13.87	20.98	2.990	15.93	21.00	8.926	12.46
#1	-.0044	-.0648	-.0415	-.0035	-.0392	-.0459	-.0976
#2	-.0056	-.0926	-.0438	-.0028	-.0493	-.0422	-.1119
#3	-.0056	-.0983	-.0418	-.0038	-.0599	-.0505	-.0874

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0476	-.0213	-.0326	-.0263	-.0115	-.1651	-.0006
SDev	.0022	.0033	.0019	.0027	.0060	.0160	.0001
%RSD	4.518	15.25	5.979	10.26	52.37	9.709	11.68
#1	-.0498	-.0185	-.0318	-.0294	-.0099	-.1545	-.0006
#2	-.0474	-.0249	-.0348	-.0247	-.0182	-.1572	-.0007
#3	-.0455	-.0205	-.0311	-.0247	-.0065	-.1835	-.0006

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0271	-.0079	-.0023	-.0319	-.5611	-.0046	-.0134
SDev	.0086	.0006	.0003	.0011	.0356	.0003	.0072

%RSD	31.78	7.939	15.01	3.485	6.346	6.993	54.19
#1	-.0220	-.0079	-.0020	-.0316	-.5382	-.0046	-.0092
#2	-.0371	-.0085	-.0027	-.0331	-.6021	-.0049	-.0092
#3	-.0223	-.0072	-.0023	-.0310	-.5429	-.0042	-.0217

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0025	-.0077	-.0051
SDev	.0002	.0009	.0005
%RSD	7.704	11.02	8.928
#1	-.0027	-.0085	-.0052
#2	-.0026	-.0068	-.0055
#3	-.0023	-.0078	-.0046

Analysis Report Thu 03-14-96 09:29:12 AM page 1

Method: ICP1A Sample Name: SPC-STD 10601031100 Operator: DRS
Run Time: 03/14/96 09:27:54
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	7157	2262	1708	1234	329	191	1787
SDev	22	7	10	3	1	1	32
%RSD	.3065	.2943	.5981	.2431	.1753	.3018	1.767
#1	7140	2259	1715	1234	329	191	1810
#2	7182	2270	1712	1237	330	192	1751
#3	7150	2258	1696	1231	329	191	1800

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1695	596	6777	1526	500	20640	2264
SDev	3	3	24	4	9	27	7
%RSD	.1485	.5034	.3597	.2301	1.805	.1312	.3185
#1	1692	593	6768	1530	499	20670	2258
#2	1697	599	6805	1523	509	20620	2272
#3	1695	596	6759	1526	491	20630	2262

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	366	667	2168	1070	21590	2659	64460
SDev	1	5	3	1	76	5	7
%RSD	.3152	.6764	.1384	.1079	.3517	.1930	.0110
#1	365	662	2168	1071	21650	2658	64460
#2	367	671	2171	1069	21510	2665	64470
#3	367	667	2165	1071	21630	2655	64460

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	894	440	3954	527	1499	131200	15960
SDev	3	1	9	10	17	270	32
%RSD	.3416	.1313	.2295	1.824	1.148	.2055	.2011
#1	891	440	3947	537	1513	130900	15920
#2	897	440	3964	525	1505	131500	15980
#3	895	439	3950	518	1480	131200	15960

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	16090	4564	2815	1541	4222	7308	159
SDev	51	6	7	9	2	11	1
%RSD	.3165	.1284	.2562	.5890	.0410	.1507	.3624
#1	16060	4560	2807	1531	4223	7297	159
#2	16150	4562	2821	1549	4220	7319	160
#3	16070	4571	2817	1542	4223	7309	159

Elem	Te	Th	Ti	Tl	U	V	W
Avge	11410	2504	695	424	18100	1046	351
SDev	57	6	1	6	55	2	6
%RSD	.5011	.2271	.1439	1.440	.3033	.1912	1.618
#1	11350	2502	696	431	18070	1044	356
#2	11420	2499	695	423	18160	1048	345
#3	11460	2510	694	419	18060	1046	353

Elem	Y	Zn	Zr
Avge	266	136100	840
SDev	1	270	1
%RSD	.2173	.1986	.1190
#1	265	135900	840
#2	266	136200	841
#3	266	136400	839

Analysis Report Thu 03-14-96 09:30:08 AM page 1

Method: ICP1A Sample Name: SPC-STD 10601031100 Operator: DRS
Run Time: 03/14/96 09:27:54
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0034	-.0246	-.0230	.0007	-.0018	-.0001	-.0094
SDev	.0006	.0043	.0049	.0003	.0001	.0000	.0138
%RSD	17.25	17.30	21.05	48.86	4.528	19.73	147.6
#1	-.0039	-.0265	-.0193	.0007	-.0018	-.0001	.0006
#2	-.0028	-.0198	-.0213	.0010	-.0017	-.0001	-.0251
#3	-.0036	-.0277	-.0285	.0003	-.0018	-.0001	-.0036

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0948	.0083	-.0411	-.0039	-.0015	10.28	-.0029
SDev	.0006	.0003	.0055	.0004	.0016	.01	.0008
%RSD	.6478	4.237	13.32	10.98	101.9	.1357	28.23
#1	.0941	.0079	-.0431	-.0035	-.0016	10.30	-.0036
#2	.0953	.0086	-.0349	-.0043	.0001	10.27	-.0020
#3	.0951	.0084	-.0453	-.0039	-.0030	10.28	-.0031

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	-.0118	-1.207	-.0100	10.28	-.0331	10.42
SDev	.0002	.0012	.069	.0006	.04	.0009	.00
%RSD	11.57	10.39	5.696	5.776	.3590	2.788	.0109
#1	-.0023	-.0131	-1.207	-.0096	10.31	-.0325	10.42
#2	-.0019	-.0106	-1.138	-.0106	10.24	-.0327	10.42
#3	-.0019	-.0116	-1.276	-.0096	10.30	-.0342	10.42

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0028	-.0612	-.0407	-.0018	-.0596	10.11	-.0985
SDev	.0005	.0032	.0031	.0034	.0144	.02	.0090
%RSD	18.64	5.293	7.726	182.5	24.23	.2304	9.144
#1	-.0034	-.0593	-.0430	.0018	-.0485	10.09	-.1077
#2	-.0024	-.0593	-.0371	-.0024	-.0544	10.14	-.0897
#3	-.0027	-.0649	-.0419	-.0049	-.0759	10.11	-.0981

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0483	-.0176	-.0012	-.0067	.0184	-.1661	-.0003
SDev	.0058	.0010	.0023	.0060	.0013	.0083	.0001
%RSD	12.00	5.641	190.1	90.09	7.258	5.018	25.33
#1	-.0524	-.0181	-.0038	-.0131	.0190	-.1750	-.0003
#2	-.0417	-.0182	.0007	-.0011	.0168	-.1586	-.0002
#3	-.0509	-.0164	-.0005	-.0058	.0192	-.1646	-.0003

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0095	.0010	-.0018	.0031	-.5846	-.0038	.0020
SDev	.0059	.0060	.0002	.0099	.0625	.0003	.0103

%RSD	62.74	625.2	8.603	318.7	10.68	7.710	505.4
#1	-.0160	.0021	-.0016	.0138	-.6175	-.0041	.0104
#2	-.0082	-.0055	-.0019	.0013	-.5125	-.0036	-.0094
#3	-.0043	.0063	-.0019	-.0058	-.6236	-.0038	.0051

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0024	9.969	-.0058
SDev	.0002	.020	.0006
%RSD	7.759	.1998	10.29
#1	-.0026	9.948	-.0059
#2	-.0024	9.970	-.0052
#3	-.0023	9.988	-.0064

Standardization Rpt. Thu 03-14-96 09:33:46 AM page 1

Method: ICP1A Standard: ICP1.0

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.7108	.2226	.1699	.1201	.0330	.0191	.1557
SDev	.0016	.0007	.0036	.0008	.0002	.0001	.0023
%RSD	.2322	.3311	2.107	.7114	.6302	.6035	1.469
#1	.7126	.2232	.1721	.1192	.0332	.0192	.1566
#2	.7103	.2229	.1658	.1209	.0331	.0192	.1531
#3	.7094	.2218	.1719	.1202	.0328	.0190	.1574

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1395	.0521	.6788	.1515	.0484	.0559	.2063
SDev	.0010	.0019	.0022	.0004	.0007	.0003	.0003
%RSD	.7182	3.706	.3282	.2749	1.446	.5161	.1454
#1	.1405	.0536	.6802	.1516	.0487	.0561	.2063
#2	.1394	.0499	.6799	.1518	.0489	.0561	.2066
#3	.1385	.0527	.6762	.1510	.0476	.0556	.2060

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0366	.0613	.2171	.1072	.0441	.2573	.0263
SDev	.0001	.0001	.0005	.0003	.0000	.0008	.0006
%RSD	.1576	.1631	.2393	.2851	.0000	.3019	2.091
#1	.0367	.0614	.2174	.1071	.0441	.2564	.0269
#2	.0366	.0613	.2174	.1075	.0441	.2579	.0263
#3	.0366	.0612	.2165	.1069	.0441	.2575	.0258

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0859	.0434	.3954	.0523	.1357	1.466	1.594
SDev	.0000	.0004	.0008	.0004	.0019	.010	.003
%RSD	.0000	.8308	.1909	.7966	1.423	.6884	.1648
#1	.0859	.0438	.3961	.0518	.1374	1.478	1.595
#2	.0859	.0431	.3955	.0526	.1361	1.461	1.596
#3	.0859	.0433	.3946	.0524	.1336	1.460	1.591

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Avge	1.610	.4554	.2727	.1517	.4095	.7240	.0157
SDev	.004	.0014	.0026	.0013	.0015	.0017	.0000
%RSD	.2318	.3116	.9364	.8645	.3674	.2353	.0000
#1	1.614	.4539	.2721	.1531	.4096	.7230	.0157
#2	1.611	.4557	.2755	.1515	.4109	.7260	.0157
#3	1.606	.4567	.2705	.1505	.4079	.7231	.0157

Elem	Te	Th	Ti	Tl	U	V	W
Avge	1.074	.2497	.0690	.0400	1.812	.1042	.0339
SDev	.001	.0010	.0003	.0001	.004	.0002	.0005
%RSD	.0919	.4005	.3834	.2889	.2266	.2216	1.512
#1	1.074	.2507	.0692	.0401	1.816	.1045	.0338
#2	1.073	.2497	.0691	.0399	1.813	.1041	.0335
#3	1.074	.2487	.0687	.0399	1.808	.1041	.0345

Elem	Y	Zn	Zr
Avge	.0267	.0496	.0841
SDev	.0001	.0027	.0000

%RSD	.2165	5.355	.0000
#1	.0267	.0527	.0841
#2	.0267	.0480	.0841
#3	.0266	.0482	.0841

Standardization Rpt. Ignore, uptake in 2% rinse Thu 03-14-96 09:35:18 AM page 1

Method: ICP1A Standard: ICP1.1B 3/14/96 DLS

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	.7805	1.907	1.250	.4616	7.240	4.597	1.248
SDev	.0011	.002	.003	.0009	.015	.002	.004
%RSD	.1479	.1276	.2633	.1868	.2109	.0335	.3106
#1	.7798	1.904	1.248	.4607	7.228	4.595	1.245
#2	.7798	1.908	1.248	.4618	7.234	4.597	1.246
#3	.7818	1.909	1.254	.4624	7.257	4.598	1.252

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	.5033	.6427	7.407	.8451	1.442	2.820	2.553
SDev	.0011	.0012	.014	.0014	.002	.015	.004
%RSD	.2216	.1869	.1849	.1615	.1044	.5481	.1627
#1	.5037	.6415	7.401	.8439	1.441	2.810	2.550
#2	.5020	.6428	7.397	.8449	1.441	2.812	2.551
#3	.5041	.6439	7.422	.8466	1.443	2.838	2.558

Standardization Rpt. Thu 03-14-96 09:38:49 AM page 1

Method: ICP1A Standard: ICP1.1A

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	.0340	.1530	.0502	.0546	.0703	.2634	.0878
SDev	.0001	.0006	.0011	.0003	.0008	.0021	.0009
%RSD	.4497	.3831	2.113	.5592	1.159	.7790	1.020
#1	.0341	.1534	.0513	.0547	.0712	.2635	.0884
#2	.0338	.1523	.0500	.0543	.0699	.2613	.0868
#3	.0340	.1532	.0492	.0549	.0697	.2654	.0883

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	.0441	.0529	1.473	.0167	.0706	.0430	.0869
SDev	.0007	.0010	.008	.0001	.0001	.0010	.0003
%RSD	1.594	1.837	.5474	.3450	.2165	2.450	.3045
#1	.0440	.0531	1.482	.0168	.0706	.0441	.0872
#2	.0434	.0518	1.466	.0167	.0704	.0429	.0867
#3	.0448	.0537	1.471	.0167	.0707	.0420	.0868

Standardization Rpt. Thu 03-14-96 09:40:42 AM page 1

Method: ICP1A Standard: ICP1.1A

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	7.319	16.63	11.39	3.969	66.64	39.17	11.12
SDev	.032	.05	.06	.017	.21	.10	.05
%RSD	.4371	.3091	.4983	.4220	.3077	.2673	.4603
#1	7.286	16.57	11.33	3.951	66.41	39.05	11.07
#2	7.321	16.63	11.43	3.972	66.72	39.21	11.12
#3	7.350	16.67	11.42	3.983	66.79	39.25	11.17

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	4.520	5.566	57.35	8.082	13.51	26.23	23.72
SDev	.021	.026	.16	.041	.05	.12	.08
%RSD	.4642	.4749	.2753	.5030	.3866	.4648	.3295
#1	4.502	5.536	57.17	8.039	13.45	26.10	23.63
#2	4.516	5.574	57.40	8.089	13.52	26.24	23.73
#3	4.543	5.587	57.47	8.119	13.55	26.35	23.79

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Method: ICP1A Standard: ICP1.2

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	61.00	39.98	78.48	8.906	2.391	10.36	6.142
SDev	.13	.09	.15	.023	.006	.03	.014
%RSD	.2153	.2161	.1917	.2571	.2720	.2541	.2206
#1	61.13	40.05	78.58	8.931	2.396	10.37	6.152
#2	60.86	39.89	78.31	8.887	2.383	10.33	6.127
#3	61.00	40.00	78.55	8.899	2.393	10.37	6.148

Elem	P
Avge	11.88
SDev	.01
%RSD	.0655
#1	11.89
#2	11.87
#3	11.88

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Method: ICP1A Standard: ICP1.3

Elem	Dy	Eu	La	Nd	Ru	Th
Avge	39.18	9.548	5.052	13.29	32.47	10.75
SDev	.29	.070	.031	.09	.17	.07
%RSD	.7310	.7359	.6095	.6933	.5122	.6105
#1	38.97	9.488	5.029	13.22	32.38	10.71
#2	39.50	9.625	5.087	13.40	32.67	10.83
#3	39.06	9.530	5.039	13.27	32.37	10.72

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Method: ICP1A Standard: ICP1.4

Elem	As	Ce	Sb	V	Y
Avge	20.49	21.03	24.59	10.97	2.862
SDev	.10	.12	.14	.06	.018
%RSD	.5009	.5911	.5781	.5537	.6121
#1	20.43	20.97	24.50	10.95	2.856
#2	20.61	21.17	24.76	11.04	2.882
#3	20.43	20.95	24.53	10.93	2.849

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Method: ICP1A Standard: ICP1.5

Elem	U
Avge	44.81
SDev	.40
%RSD	.9015
#1	44.48
#2	44.70
#3	45.26

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Method: ICP1A Standard: ICP1.6

Elem	Be	Si	Te
Avge	1.683	71.96	47.68
SDev	.008	.26	.27
%RSD	.4878	.3626	.5559
#1	1.681	71.88	47.66
#2	1.692	72.26	47.96
#3	1.676	71.76	47.43

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Method: ICP1A Standard: ICP1.7

Elem	Ag	Bi	Se	Tl
Avge	27.88	22.70	3.135	1.198
SDev	.05	.05	.010	.008
%RSD	.1757	.2315	.3077	.6520
#1	27.84	22.66	3.124	1.190
#2	27.87	22.69	3.139	1.200
#3	27.94	22.76	3.141	1.205

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Method: ICP1A Standard: ICP1.8

Elem	Pd	Rh	Sn	W
Avge	17.69	41.26	7.175	2.775
SDev	.13	.38	.045	.025
%RSD	.7519	.9198	.6336	.9065
#1	17.83	41.66	7.215	2.802
#2	17.69	41.20	7.184	2.772
#3	17.56	40.91	7.126	2.751

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Method: ICP1A Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	.368039	-.261590	03/14/96 10:06:10
Al	308.215	ICP1.2	ICP1.0	8.22736	-1.83168	03/14/96 10:06:10
As	193.600	ICP1.4	ICP1.0	4.92201	-.836414	03/14/96 10:06:10
B	249.600	ICP1.2	ICP1.0	1.25433	-.150645	03/14/96 10:06:10
Ba	493.400	Multiple	Standards	1.35507	-.044877	03/14/96 09:39:24
Be	313.042	ICP1.6	ICP1.0	.600925	-.011498	03/14/96 10:06:10
Bi	223.061	ICP1.7	ICP1.0	4.43498	-.690527	03/14/96 10:06:10
Ca	317.900	ICP1.2	ICP1.0	3.19124	-.445071	03/14/96 10:06:10
Cd	228.800	ICP1.2	ICP1.0	1.12945	-.058806	03/14/96 10:06:10
Ce	418.659	ICP1.4	ICP1.0	2.45667	-1.66751	03/14/96 10:06:10
Co	228.600	Multiple	Standards	1.17559	-.178633	03/14/96 09:39:24
Cr	205.500	Multiple	Standards	1.71248	-.083400	03/14/96 09:39:24
Cu	324.700	Multiple	Standards	5.01937	-.281075	03/14/96 09:39:24
Dy	353.170	ICP1.3	ICP1.0	1.28308	-.264699	03/14/96 10:06:10
Eu	381.900	ICP1.3	ICP1.0	2.10276	-.077031	03/14/96 10:06:10
Fe	259.900	Multiple	Standards	2.89153	-.183996	03/14/96 09:39:24
K	766.500	ICP1.2	ICP1.0	230.030	-49.9394	03/14/96 10:06:10
La	398.852	ICP1.3	ICP1.0	4.04498	-.433487	03/14/96 10:06:10
Li	670.700	ICP1.2	ICP1.0	4.84917	-.213849	03/14/96 10:06:10
Mg	279.078	Multiple	Standards	6.07597	-1.57535	03/14/96 09:39:24
Mn	257.600	ICP1.2	ICP1.0	1.63506	-.043056	03/14/96 10:06:10
Mo	202.000	Multiple	Standards	1.76584	-.152146	03/14/96 09:39:24
Na	588.900	Multiple	Standards	55.0960	-2.39417	03/14/96 09:39:24
Nd	406.106	ICP1.3	ICP1.0	3.87626	-1.53267	03/14/96 10:06:10
Ni	231.600	Multiple	Standards	3.50381	-.183747	03/14/96 09:39:24
P	214.900	ICP1.2	ICP1.0	8.51646	-1.15568	03/14/96 10:06:10
Pb	220.300	Multiple	Standards	.867572	-1.27363	03/14/96 09:39:24
Pd	360.959	ICP1.8	ICP1.0	3.10567	-4.95157	03/14/96 10:06:10
Rh	343.489	ICP1.8	ICP1.0	1.26114	-2.03093	03/14/96 10:06:10
Ru	240.271	ICP1.3	ICP1.0	1.56159	-.711202	03/14/96 10:06:10
Sb	206.838	ICP1.4	ICP1.0	3.28928	-.896988	03/14/96 10:06:10
Se	196.026	ICP1.7	ICP1.0	6.70451	-1.01707	03/14/96 10:06:10
Si	288.100	ICP1.6	ICP1.0	2.79509	-1.14449	03/14/96 10:06:10
Sn	242.950	ICP1.8	ICP1.0	8.80253	-6.37333	03/14/96 10:06:10
Sr	421.500	Multiple	Standards	1.22250	-.019318	03/14/96 09:39:24
Te	214.275	ICP1.6	ICP1.0	1.07282	-1.15192	03/14/96 10:06:10
Th	283.730	ICP1.3	ICP1.0	4.76160	-1.18897	03/14/96 10:06:10
Ti	334.900	Multiple	Standards	1.47245	-.101788	03/14/96 09:39:24
Tl	190.864	ICP1.7	ICP1.0	17.2652	-.690032	03/14/96 10:06:10
U	378.280	ICP1.5	ICP1.0	11.6281	-21.0752	03/14/96 10:06:10
V	292.402	ICP1.4	ICP1.0	1.84024	-.191814	03/14/96 10:06:10
W	224.875	ICP1.8	ICP1.0	18.4952	-.627603	03/14/96 10:06:10
Y	371.030	ICP1.4	ICP1.0	3.52659	-.094042	03/14/96 10:06:10
Zn	213.800	Multiple	Standards	.742412	-.037355	03/14/96 09:39:24
Zr	339.100	Multiple	Standards	2.06967	-.175039	03/14/96 09:39:24

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Method: ICP1A Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	ICP1.7	ICP1.0	2.71710	.261590	03/14/96 10:06:1(
Al	308.215	ICP1.2	ICP1.0	.121546	1.83168	03/14/96 10:06:1(
As	193.600	ICP1.4	ICP1.0	.203169	.836414	03/14/96 10:06:1(
B	249.600	ICP1.2	ICP1.0	.797237	.150645	03/14/96 10:06:1(
Ba	493.400	Multiple	Standards	.737972	.044877	03/14/96 09:39:2(
Be	313.042	ICP1.6	ICP1.0	1.66410	.011498	03/14/96 10:06:1(
Bi	223.061	ICP1.7	ICP1.0	.225480	.690527	03/14/96 10:06:1(
Ca	317.900	ICP1.2	ICP1.0	.313358	.445071	03/14/96 10:06:1(
Cd	228.800	ICP1.2	ICP1.0	.885390	.058806	03/14/96 10:06:1(
Ce	418.659	ICP1.4	ICP1.0	.407055	1.66751	03/14/96 10:06:1(
Co	228.600	Multiple	Standards	.850633	.178633	03/14/96 09:39:2(
Cr	205.500	Multiple	Standards	.583949	.083400	03/14/96 09:39:2(
Cu	324.700	Multiple	Standards	.199228	.281075	03/14/96 09:39:2(
Dy	353.170	ICP1.3	ICP1.0	.779377	.264699	03/14/96 10:06:1(
Eu	381.900	ICP1.3	ICP1.0	.475565	.077031	03/14/96 10:06:1(
Fe	259.900	Multiple	Standards	.345837	.183996	03/14/96 09:39:2(
K	766.500	ICP1.2	ICP1.0	.004347	49.9394	03/14/96 10:06:1(
La	398.852	ICP1.3	ICP1.0	.247220	.433487	03/14/96 10:06:1(
Li	670.700	ICP1.2	ICP1.0	.206221	.213849	03/14/96 10:06:1(
Mg	279.078	Multiple	Standards	.164583	1.57535	03/14/96 09:39:2(
Mn	257.600	ICP1.2	ICP1.0	.611600	.043056	03/14/96 10:06:1(
Mo	202.000	Multiple	Standards	.566302	.152146	03/14/96 09:39:2(
Na	588.900	Multiple	Standards	.018150	2.39417	03/14/96 09:39:2(
Nd	406.106	ICP1.3	ICP1.0	.257981	1.53267	03/14/96 10:06:1(
Ni	231.600	Multiple	Standards	.285403	.183747	03/14/96 09:39:2(
P	214.900	ICP1.2	ICP1.0	.117420	1.15568	03/14/96 10:06:1(
Pb	220.300	Multiple	Standards	1.15264	1.27363	03/14/96 09:39:2(
Pd	360.959	ICP1.8	ICP1.0	.321992	4.95157	03/14/96 10:06:1(
Rh	343.489	ICP1.8	ICP1.0	.792935	2.03093	03/14/96 10:06:1(
Ru	240.271	ICP1.3	ICP1.0	.640371	.711202	03/14/96 10:06:1(
Sb	206.838	ICP1.4	ICP1.0	.304017	.896988	03/14/96 10:06:1(
Se	196.026	ICP1.7	ICP1.0	.149153	1.01707	03/14/96 10:06:1(
Si	288.100	ICP1.6	ICP1.0	.357771	1.14449	03/14/96 10:06:1(
Sn	242.950	ICP1.8	ICP1.0	.113604	6.37333	03/14/96 10:06:1(
Sr	421.500	Multiple	Standards	.817994	.019318	03/14/96 09:39:2(
Te	214.275	ICP1.6	ICP1.0	.932124	1.15192	03/14/96 10:06:1(
Th	283.730	ICP1.3	ICP1.0	.210013	1.18897	03/14/96 10:06:1(
Ti	334.900	Multiple	Standards	.679142	.101788	03/14/96 09:39:2(
Tl	190.864	ICP1.7	ICP1.0	.057920	.690032	03/14/96 10:06:1(
U	378.280	ICP1.5	ICP1.0	.085998	21.0752	03/14/96 10:06:1(
V	292.402	ICP1.4	ICP1.0	.543408	.191814	03/14/96 10:06:1(
W	224.875	ICP1.8	ICP1.0	.054068	.627603	03/14/96 10:06:1(
Y	371.030	ICP1.4	ICP1.0	.283560	.094042	03/14/96 10:06:1(
Zn	213.800	Multiple	Standards	1.34696	.037355	03/14/96 09:39:2(
Zr	339.100	Multiple	Standards	.483170	.175039	03/14/96 09:39:2(

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Method: ICP1A

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	ICP1.0	.000000	.000000	-.000000
		ICP1.7	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al	308.215	ICP1.0	.000000	.000000	-.000000
		ICP1.2	500.000	500.000	.000031
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As	193.600	ICP1.0	.000000	-.000000	.000000
		ICP1.4	100.000	100.000	-.000008
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B	249.600	ICP1.0	.000000	.000000	-.000000
		ICP1.2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	ICP1.0	.000000	-.000114	.000114
		ICP1.1B	1.00000	1.01271	-.012707
		ICP1.1A	10.0000	9.87294	.127065
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	ICP1.0	.000000	.000000	-.000000
		ICP1.6	1.00000	1.000000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	ICP1.0	.000000	.000000	-.000000
		ICP1.7	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	ICP1.0	.000000	.000000	-.000000
		ICP1.2	250.000	250.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	ICP1.0	.000000	.000000	-.000000
		ICP1.2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	ICP1.0	.000000	-.000000	.000000
		ICP1.4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	ICP1.0	.000000	-.000569	.000569
		ICP1.1B	2.00000	2.06327	-.063265
		ICP1.1A	20.0000	19.3673	.632650
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	ICP1.0	.000000	-.000516	.000516
		ICP1.1B	2.00000	2.05737	-.057370
		ICP1.1A	20.0000	19.4263	.573698
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	ICP1.0	.000000	-.000324	.000324
		ICP1.1B	2.00000	2.03604	-.036036
		ICP1.1A	20.0000	19.6396	.360353
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	ICP1.0	.000000	-.000000	.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	ICP1.0	.000000	-.006745	.006745
		ICP1.1B	20.0000	20.7494	-.749437
		ICP1.1A	200.000	192.506	7.49437
CorCoef:	0.99997				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	ICP1.0	.000000	-.000001	.000001
		ICP1.2	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	ICP1.0	.000000	-.000000	.000000
		ICP1.3	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	ICP1.0	.000000	-.000000	.000000
		ICP1.2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	ICP1.0	.000000	-.012208	.012208
		ICP1.1B	25.0000	26.3565	-1.35651
		ICP1.1A	250.000	236.435	13.5650
CorCoef:	0.99994				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	ICP1.0	.000000	.000000	-.000000
		ICP1.2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	ICP1.0	.000000	-.000460	.000460
		ICP1.1B	2.00000	2.05115	-.051152
		ICP1.1A	20.0000	19.4885	.511522
CorCoef:	0.99999				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	ICP1.0	.000000	-.003004	.003004
		ICP1.1B	25.0000	25.3338	-.333817
		ICP1.1A	250.000	246.662	3.33815
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	ICP1.0	.000000	-.000614	.000614
		ICP1.1B	2.00000	2.06827	-.068270
		ICP1.1A	20.0000	19.3173	.682697
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	ICP1.0	.000000	-.000000	.000000
		ICP1.2	100.000	100.000	-.000008
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	ICP1.0	.000000	-.001369	.001369
		ICP1.1B	5.00000	5.15210	-.152095
		ICP1.1A	50.0000	48.4790	1.52095
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ru	240.271	ICP1.0	.000000	.000000	-.000000
		ICP1.3	50.0000	50.0000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb	206.838	ICP1.0	.000000	-.000000	.000000
		ICP1.4	80.0000	80.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se	196.026	ICP1.0	.000000	.000000	-.000000
		ICP1.7	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si	288.100	ICP1.0	.000000	-.000000	.000000
		ICP1.6	200.000	200.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn	242.950	ICP1.0	.000000	.000000	-.000000
		ICP1.8	50.0000	56.7845	-6.78455
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	ICP1.0	.000000	-.000125	.000125
		ICP1.1B	1.00000	1.01386	-.013860
		ICP1.1A	10.0000	9.86140	.138600
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te	214.275	ICP1.0	.000000	-.000000	.000000
		ICP1.6	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th	283.730	ICP1.0	.000000	-.000000	.000000
		ICP1.3	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti	334.900	ICP1.0	.000000	-.000189	.000189
		ICP1.1B	2.00000	2.02099	-.020988
		ICP1.1A	20.0000	19.7901	.209883
CorCoef:	1.00000				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl	190.864	ICP1.0	.000000	-.000000	.000000
		ICP1.7	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U	378.280	ICP1.0	.000000	-.000001	.000001
		ICP1.5	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	ICP1.0	.000000	.000000	-.000000
		ICP1.4	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W	224.875	ICP1.0	.000000	-.000000	.000000
		ICP1.8	50.0000	50.6947	-.694698

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	ICP1.0	.000000	-.000000	.000000
		ICP1.4	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	ICP1.0	.000000	-.000507	.000507
		ICP1.1B	2.00000	2.05630	-.056296
		ICP1.1A	20.0000	19.4370	.562956

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	ICP1.0	.000000	-.000980	.000980
		ICP1.1B	5.00000	5.10889	-.108889
		ICP1.1A	50.0000	48.9111	1.08889

CorCoef: 0.99999

Analysis Report Thu 03-14-96 10:14:03 AM page 1

Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/14/96 10:12:43
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0198	.0023	.0043	.0006	.0000	.0013
SDev	.0006	.0010	.0143	.0027	.0002	.0000	.0074
%RSD	20.74	5.255	634.1	62.23	25.72	136.5	557.9
#1	.0025	.0202	-.0138	.0064	.0005	.0000	-.0066
#2	.0028	.0186	.0137	.0052	.0005	.0000	.0080
#3	.0037	.0206	.0069	.0013	.0008	.0001	.0026

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0108	.0160	.0006	.0006	-.0071	.0022
SDev	.0008	.0036	.0048	.0005	.0011	.0014	.0008
%RSD	149.4	33.63	29.99	84.99	176.8	19.09	38.40
#1	.0005	.0147	.0109	.0006	-.0000	-.0081	.0012
#2	.0013	.0104	.0167	.0012	.0019	-.0076	.0027
#3	-.0003	.0074	.0204	.0001	-.0000	-.0055	.0026

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	-.0068	.4831	.0042	-.0058	-.0062	-.0082
SDev	.0002	.0004	.0797	.0015	.0000	.0062	.0003
%RSD	19.36	5.438	16.50	36.68	.0000	99.70	3.063
#1	.0009	-.0072	.3910	.0024	-.0058	-.0131	-.0082
#2	.0013	-.0066	.5291	.0053	-.0058	-.0043	-.0085
#3	.0013	-.0065	.5291	.0049	-.0058	-.0012	-.0080

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0318	.0207	.0011	-.0016	-.0048	.0768
SDev	.0009	.0115	.0038	.0025	.0299	.0009	.0066
%RSD	137.8	36.11	18.43	216.5	1841.	18.23	8.547
#1	-.0010	.0354	.0166	.0037	.0103	-.0053	.0766
#2	-.0014	.0410	.0213	.0009	-.0357	-.0038	.0834
#3	.0004	.0189	.0241	-.0012	.0205	-.0052	.0703

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0325	.0062	.0115	.0042	.0951	.0754	.0003
SDev	.0044	.0014	.0131	.0084	.0041	.0126	.0001
%RSD	13.65	22.14	113.9	200.0	4.358	16.65	25.06
#1	.0309	.0077	.0075	.0109	.0993	.0622	.0002
#2	.0291	.0049	.0262	.0068	.0949	.0768	.0002
#3	.0376	.0061	.0009	-.0052	.0910	.0871	.0004

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0109	-.0068	.0009	.0110	.2337	.0010	.0265
SDev	.0080	.0063	.0002	.0075	.0217	.0002	.0001

%RSD	73.48	93.65	16.91	68.34	9.269	16.95	.3269
#1	.0057	-.0141	.0008	.0161	.2560	.0010	.0266
#2	.0201	-.0037	.0009	.0144	.2321	.0012	.0266
#3	.0069	-.0025	.0011	.0024	.2128	.0009	.0264

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0003	-.0091	.0002
SDev	.0000	.0012	.0004
%RSD	1.022	13.40	224.5
#1	.0003	-.0105	.0005
#2	.0003	-.0085	-.0003
#3	.0003	-.0082	.0004

Analysis Report QC Standard Thu 03-14-96 10:17:19 AM page 1

Method: ICP1A Sample Name: QC_MCVA1 9602261901 Operator: DRS
Run Time: 03/14/96 10:16:00
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 3/14/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4720	9.720	2.487	2.036	.4775	.0920	23.44
SDev	.0014	.015	.017	.005	.0004	.0001	.02
%RSD	.3070	.1502	.6718	.2679	.0819	.1460	.0890
#1	.4734	9.730	2.475	2.031	.4772	.0921	23.43
#2	.4705	9.704	2.506	2.035	.4772	.0919	23.42
#3	.4720	9.728	2.481	2.042	.4779	.0921	23.46
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	10.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	1.000	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.42	.4854	-.0016	.9561	.9638	.9100	-.0034
SDev	.03	.0008	.0036	.0008	.0048	.0039	.0005
%RSD	.1185	.1592	218.3	.0827	.4994	.4255	15.39
#1	24.42	.4855	-.0017	.9565	.9583	.9112	-.0033
#2	24.39	.4861	-.0052	.9552	.9662	.9056	-.0028
#3	24.45	.4846	.0020	.9566	.9670	.9131	-.0039
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	19.39	24.29	-.0009	1.954	31.14	.4923
SDev	.0000	.01	.08	.0016	.008	.09	.0015
%RSD	.9503	.0766	.3414	177.5	.4126	.2804	.2969
#1	.0010	19.39	24.20	.0002	1.953	31.14	.4909
#2	.0010	19.37	24.36	-.0002	1.946	31.05	.4922
#3	.0010	19.40	24.31	-.0027	1.962	31.22	.4938
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	31.20	.5000
Range		2.000	2.500		.2000	3.120	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9621	35.27	-.0115	.9533	4.770	2.367	-.0608
SDev	.0013	.15	.0031	.0071	.028	.001	.0017
%RSD	.1388	.4139	26.68	.7437	.5877	.0582	2.760
#1	.9606	35.27	-.0084	.9451	4.750	2.367	-.0592
#2	.9630	35.12	-.0117	.9570	4.758	2.365	-.0626
#3	.9627	35.42	-.0145	.9577	4.802	2.368	-.0605
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	36.70		1.000		2.500	

Range	.1000	3.670		.1000		.2500	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0235	.0054	2.500	2.421	18.06	.2175	.4846
SDev	.0032	.0020	.006	.015	.02	.0180	.0007
%RSD	13.50	36.05	.2404	.6220	.1112	8.291	.1514
#1	-.0235	.0070	2.494	2.437	18.05	.1994	.4846
#2	-.0204	.0033	2.501	2.418	18.04	.2177	.4839
#3	-.0267	.0060	2.506	2.408	18.08	.2355	.4853
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			2.500	2.500	20.00		.5000
Range			.2500	.2500	2.000		.0500

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0407	.0483	.9486	2.384	-.2478	.9754	.0456
SDev	.0039	.0074	.0014	.015	.0337	.0010	.0067
%RSD	9.559	15.33	.1484	.6246	13.59	.1070	14.76
#1	.0394	.0512	.9481	2.376	-.2851	.9757	.0381
#2	.0376	.0539	.9476	2.401	-.2387	.9742	.0474
#3	.0451	.0399	.9502	2.375	-.2196	.9762	.0512
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value			1.000	2.500		1.000	
Range			.1000	.2500		.1000	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0001	.9309	1.896
SDev	.0000	.0076	.003
%RSD	27.14	.8117	.1564
#1	.0001	.9260	1.896
#2	.0001	.9396	1.892
#3	.0000	.9271	1.898
Errors	NOCHECK	QC Pass	QC Pass
Value		1.000	2.000
Range		.1000	.2000

Analysis Report QC Standard Thu 03-14-96 10:21:11 AM page 1

Method: ICP1A Sample Name: QC_MCVB2 9602211901 Operator: DRS

Run Time: 03/14/96 10:19:51

Comment: (DRAINABLE LIQUIDS)K.SILVERS

Mode: CONC Corr. Factor: 1

PASS DRS 3/14/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0060	-.0949	.2566	.1658	.0010	.0008	.0907
SDev	.0005	.0098	.0083	.0017	.0003	.0001	.0046
%RSD	8.603	10.35	3.225	1.029	27.79	6.651	5.123
#1	-.0062	-.0912	.2623	.1660	.0009	.0008	.0945
#2	-.0054	-.0875	.2603	.1640	.0013	.0008	.0855
#3	-.0063	-.1060	.2471	.1674	.0008	.0007	.0921
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0209	.0156	1.992	-.0009	.0065	.0280	2.046
SDev	.0051	.0053	.022	.0001	.0006	.0022	.023
%RSD	24.43	34.02	1.114	15.76	8.890	7.719	1.131
#1	.0265	.0206	1.979	-.0009	.0071	.0280	2.036
#2	.0199	.0163	1.980	-.0008	.0063	.0302	2.029
#3	.0164	.0100	2.018	-.0010	.0060	.0259	2.072
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.059	.0267	-1.488	1.012	-.0084	-.1334	-.0075
SDev	.024	.0042	.212	.013	.0007	.0144	.0002
%RSD	1.145	15.77	14.29	1.320	8.813	10.77	2.967
#1	2.050	.0309	-1.610	1.006	-.0082	-.1176	-.0074
#2	2.041	.0267	-1.242	1.002	-.0092	-.1457	-.0074
#3	2.086	.0225	-1.610	1.027	-.0078	-.1369	-.0078
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			1.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	.2018	2.021	.0277	.1059	.2179	1.883
SDev	.0011	.0242	.022	.0034	.0012	.0065	.016
%RSD	17.00	11.98	1.070	12.18	1.165	2.960	.8273
#1	.0081	.1855	2.016	.0240	.1070	.2105	1.865
#2	.0064	.2296	2.003	.0282	.1062	.2209	1.893
#3	.0059	.1904	2.045	.0307	.1045	.2224	1.891
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value			2.000				

Range			10.00				
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.000	2.050	.0914	.0578	7.324	2.148	.0028
SDev	.023	.020	.0092	.0079	.382	.027	.0001
%RSD	1.145	.9852	10.11	13.67	5.221	1.255	5.045
#1	1.990	2.040	.0864	.0506	6.927	2.128	.0029
#2	1.983	2.038	.0858	.0663	7.353	2.138	.0029
#3	2.026	2.074	.1021	.0567	7.690	2.179	.0027
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	2.000	2.000				2.000	
Range	10.00	10.00				10.00	

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.890	10.13	.0042	.0188	23.38	.0002	2.016
SDev	.030	.12	.0004	.0084	.21	.0009	.023
%RSD	1.609	1.139	8.903	44.77	.9063	474.7	1.161
#1	1.863	10.07	.0042	.0185	23.27	-.0000	1.990
#2	1.884	10.06	.0046	.0274	23.24	.0012	2.021
#3	1.923	10.26	.0039	.0106	23.62	-.0006	2.036
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	2.000	10.00			25.00		2.000
Range	10.00	10.00			10.00		10.00

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.9848	-.0037	-.0754
SDev	.0104	.0006	.0019
%RSD	1.054	15.49	2.585
#1	.9811	-.0044	-.0736
#2	.9769	-.0033	-.0753
#3	.9966	-.0035	-.0775
Errors	QC Pass	NOCHECK	NOCHECK
Value	1.000		
Range	10.00		

Analysis Report Thu 03-14-96 10:25:13 AM page 1

Method: ICP1A Sample Name: QC SSTA 9512081902 Operator: DRS
Run Time: 03/14/96 10:23:53
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0112	257.6	.4102	.0536	.0096	-.0011	199.2
SDev	.0015	1.2	.0115	.0036	.0002	.0000	.5
%RSD	13.23	.4548	2.816	6.729	1.623	4.059	.2520
#1	-.0101	256.3	.4168	.0572	.0097	-.0010	198.6
#2	-.0105	257.8	.4170	.0535	.0097	-.0011	199.3
#3	-.0128	258.6	.3969	.0500	.0095	-.0011	199.6

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	254.8	.0726	.1999	.0125	.2373	-.1237	.0408
SDev	.5	.0006	.0101	.0002	.0029	.0042	.0012
%RSD	.2104	.7677	5.049	1.332	1.241	3.364	2.870
#1	254.2	.0732	.2051	.0125	.2407	-.1192	.0410
#2	255.0	.0723	.2063	.0126	.2352	-.1243	.0419
#3	255.1	.0722	.1883	.0123	.2361	-.1274	.0395

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0940	197.1	104.3	52.54	.0272	-.8890	.0135
SDev	.0003	.5	.5	.12	.0019	.0076	.0005
%RSD	.3751	.2304	.5009	.2259	7.143	.8529	3.506
#1	.0937	196.6	103.8	52.41	.0272	-.8806	.0140
#2	.0944	197.3	104.4	52.59	.0291	-.8952	.0131
#3	.0938	197.5	104.8	52.63	.0252	-.8912	.0135

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1027	.9060	.2564	192.1	204.8	.9920	1.092
SDev	.0008	.0191	.0073	.5	.7	.0113	.031
%RSD	.8106	2.103	2.852	.2484	.3332	1.136	2.879
#1	.1023	.9169	.2603	191.5	204.1	.9960	1.112
#2	.1020	.9170	.2609	192.2	204.9	1.001	1.108
#3	.1036	.8840	.2479	192.5	205.5	.9793	1.056

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2789	.3016	.4838	1.572	-.1966	3.992	.0201
SDev	.0040	.0039	.0052	.009	.0258	.054	.0001
%RSD	1.421	1.308	1.072	.5856	13.14	1.353	.6069
#1	.2831	.3061	.4845	1.569	-.1687	3.942	.0200
#2	.2786	.2991	.4783	1.582	-.2013	4.050	.0203
#3	.2752	.2995	.4886	1.564	-.2197	3.985	.0201

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6525	.6563	.0030	.3472	201.2	.0498	.5946
SDev	.0073	.0387	.0003	.0146	1.0	.0010	.0134

%RSD	1.111	5.901	8.668	4.204	.4930	1.927	2.248
#1	.6591	.6151	.0031	.3530	200.2	.0506	.5859
#2	.6535	.6616	.0032	.3580	201.4	.0500	.6100
#3	.6447	.6920	.0027	.3306	202.1	.0487	.5880

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0239	.0682	-.0028
SDev	.0006	.0059	.0037
%RSD	2.648	8.591	131.4
#1	.0242	.0684	.0009
#2	.0243	.0623	-.0029
#3	.0231	.0740	-.0064

Analysis Report Thu 03-14-96 10:29:50 AM page 1

Method: ICP1A Sample Name: QC SSTMCV 951208I903 Operator: DRS
Run Time: 03/14/96 10:28:31
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5135	5.228	2.163	.0001	.1013	.0996	1.689
SDev	.0011	.004	.045	.0012	.0001	.0000	.016
%RSD	.2240	.0788	2.072	1343.	.1337	.0379	.9640
#1	.5144	5.232	2.136	-.0002	.1015	.0996	1.707
#2	.5139	5.229	2.215	.0014	.1012	.0996	1.676
#3	.5122	5.224	2.138	-.0009	.1013	.0996	1.684

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.154	.2181	.0240	-.0004	.3172	-.0098	.0036
SDev	.007	.0023	.0046	.0014	.0034	.0004	.0004
%RSD	.6067	1.042	19.11	302.5	1.062	4.388	12.47
#1	1.160	.2189	.0293	.0003	.3134	-.0095	.0034
#2	1.156	.2156	.0220	.0004	.3185	-.0096	.0041
#3	1.146	.2200	.0208	-.0020	.3197	-.0103	.0033

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0084	.6192	51.33	.0339	-.0052	-.1089	.0997
SDev	.0002	.0056	.06	.0022	.0006	.0050	.0005
%RSD	2.742	.9052	.1128	6.635	10.83	4.604	.5011
#1	.0083	.6238	51.39	.0356	-.0048	-.1042	.0999
#2	.0087	.6208	51.27	.0347	-.0048	-.1084	.1001
#3	.0083	.6129	51.32	.0313	-.0058	-.1142	.0991

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	5.121	.0200	.6845	4.203	3.091	.0615
SDev	.0009	.044	.0039	.0067	.006	.010	.0090
%RSD	16.80	.8536	19.70	.9763	.1441	.3081	14.63
#1	.0063	5.170	.0187	.6887	4.196	3.090	.0705
#2	.0045	5.104	.0244	.6880	4.208	3.101	.0525
#3	.0052	5.088	.0168	.6768	4.205	3.082	.0616

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0191	.0104	2.213	2.610	2.930	.1586	.0017
SDev	.0040	.0034	.009	.008	.011	.0176	.0001
%RSD	20.96	33.35	.3904	.3140	.3655	11.09	4.217
#1	.0188	.0109	2.210	2.617	2.920	.1750	.0017
#2	.0232	.0135	2.222	2.601	2.941	.1608	.0017
#3	.0153	.0067	2.206	2.612	2.928	.1401	.0016

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0201	.0721	.0004	.0129	20.18	.5273	.0367
SDev	.0056	.0100	.0005	.0065	.06	.0014	.0080

%RSD	28.07	13.79	108.2	50.26	.3008	.2657	21.86
#1	.0183	.0632	.0005	.0193	20.19	.5269	.0459
#2	.0265	.0828	.0009	.0130	20.23	.5288	.0329
#3	.0156	.0703	-.0001	.0064	20.11	.5261	.0312

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0002	-.0090	.5016
SDev	.0003	.0007	.0010
%RSD	186.5	8.308	.2004
#1	.0005	-.0097	.5027
#2	.0001	-.0082	.5012
#3	-.0001	-.0090	.5008

Analysis Report QC Standard Thu 03-14-96 10:33:26 AM page 1

Method: ICP1A Sample Name: QC_SRM-1643d 108518 Operator: DRS
Run Time: 03/14/96 10:32:07
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0044	Q.1643	Q.0678	.1465	.5027	Q.0121	.0491
SDev	.0005	.0088	.0112	.0012	.0014	.0000	.0031
%RSD	11.39	5.372	16.54	.8298	.2853	.0273	6.309
#1	Q.0048	Q.1741	Q.0554	.1464	.5016	Q.0121	.0527
#2	Q.0046	Q.1569	Q.0772	.1453	.5022	Q.0121	.0469
#3	Q.0038	Q.1619	Q.0708	.1477	.5043	Q.0121	.0478
Errors	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	QC Fail	NOCHECK
Value	.0013	.1276	.0560	.1448	.5065	.0125	
Range	.0570	3.500	.7300	5.200	8.900	.2800	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q31.47	Q.0144	.0087	Q.0271	Q.0219	Q.0066	.0012
SDev	.07	.0033	.0029	.0006	.0012	.0008	.0001
%RSD	.2094	23.22	32.91	2.029	5.491	12.06	10.97
#1	Q31.42	Q.0107	.0110	Q.0277	Q.0208	Q.0068	.0013
#2	Q31.44	Q.0153	.0097	Q.0266	Q.0232	Q.0058	.0011
#3	Q31.54	Q.0172	.0055	Q.0269	Q.0218	Q.0073	.0012
Errors	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail	NOCHECK
Value	31.04	.0065		.0250	.0185	.0205	
Range	.6400	.3700		.5900	.2000	3.800	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	Q.1129	Q2.630	.0156	Q.0110	Q8.407	Q.0317
SDev	.0000	.0026	.048	.0025	.0011	.022	.0002
%RSD	.5925	2.317	1.821	15.82	10.19	.2672	.7670
#1	.0015	Q.1153	Q2.645	.0180	Q.0116	Q8.396	Q.0315
#2	.0016	Q.1132	Q2.668	.0130	Q.0097	Q8.392	Q.0320
#3	.0015	Q.1101	Q2.576	.0158	Q.0116	Q8.433	Q.0317
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Fail
Value		.0912	2.356		.0165	7.989	.0377
Range		3.900	.0350		.5500	.0350	.8300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1114	Q21.62	.0229	Q.1295	.0449	Q.0160	.0458
SDev	.0010	.13	.0029	.0043	.0199	.0027	.0024
%RSD	.8680	.5880	12.67	3.281	44.36	16.79	5.205
#1	.1118	Q21.49	.0237	Q.1340	.0273	Q.0154	.0481
#2	Q.1103	Q21.60	.0196	Q.1256	.0665	Q.0137	.0458
#3	.1120	Q21.75	.0253	Q.1288	.0409	Q.0190	.0434
Errors	QC Pass	QC Fail	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK
Value	.1129	22.07		.0581		.0181	

Range	1.700	.6400		2.700		.6400	
Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	.0032	Q.0588	Q.0187	2.698	.0393	.2933
SDev	.0049	.0018	.0083	.0026	.004	.0214	.0010
%RSD	43.09	54.84	14.18	13.67	.1484	54.42	.3368
#1	.0146	.0049	Q.0656	Q.0205	2.694	.0355	.2924
#2	.0136	.0034	Q.0495	Q.0158	2.699	.0623	.2932
#3	.0057	.0014	Q.0613	Q.0198	2.701	.0200	.2944
Errors	NOCHECK	NOCHECK	QC Fail	QC Fail	NOCHECK	NOCHECK	QC Pass
Value			.0541	.0114			.2948
Range			1.100	.1700			3.400

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	-.0109	.0011	Q.0181	.4178	Q.0360	.0113
SDev	.0095	.0043	.0003	.0054	.0213	.0005	.0027
%RSD	136.5	39.67	24.02	29.76	5.103	1.336	24.34
#1	-.0031	-.0060	.0014	Q.0135	.4078	Q.0366	.0118
#2	.0158	-.0143	.0009	Q.0168	.4423	Q.0358	.0137
#3	.0082	-.0122	.0009	Q.0241	.4033	Q.0357	.0083
Errors	NOCHECK	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK
Value				.0073		.0351	
Range				.2500		1.400	

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0008	Q.0658	.0003
SDev	.0002	.0016	.0008
%RSD	24.63	2.456	236.8
#1	.0009	Q.0668	-.0006
#2	.0009	Q.0639	.0009
#3	.0006	Q.0666	.0007
Errors	NOCHECK	QC Fail	NOCHECK
Value		.0725	
Range		.6500	

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Method: ICP1A Sample Name: QC CCV1 960126H901 Operator: DRS
Run Time: 03/14/96 10:36:40
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	1.993	2.102	2.078	.9749	.9865	1.977
SDev	.0006	.004	.015	.002	.0037	.0036	.017
%RSD	12.40	.1886	.7029	.0885	.3760	.3687	.8765
#1	.0050	1.989	2.092	2.080	.9747	.9859	1.989
#2	.0047	1.997	2.095	2.077	.9714	.9832	1.957
#3	.0039	1.994	2.119	2.076	.9787	.9904	1.984

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.070	1.028	.0021	1.009	.5017	1.967	.0012
SDev	.003	.002	.0070	.001	.0046	.007	.0007
%RSD	.1664	.2045	331.8	.0748	.9243	.3586	56.40
#1	2.071	1.025	.0027	1.008	.4973	1.965	.0010
#2	2.066	1.027	.0088	1.009	.5065	1.961	.0019
#3	2.073	1.030	-.0052	1.010	.5012	1.975	.0006

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	2.009	4.823	.0017	2.000	2.075	1.036
SDev	.0001	.005	.035	.0016	.006	.009	.002
%RSD	14.04	.2324	.7265	95.86	.3207	.4364	.2242
#1	.0008	2.005	4.854	.0012	2.005	2.076	1.034
#2	.0009	2.008	4.831	.0034	1.993	2.066	1.036
#3	.0007	2.014	4.785	.0004	2.003	2.084	1.039

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.961	8.333	.0084	2.049	4.897	2.001	.0337
SDev	.008	.027	.0027	.007	.027	.004	.0112
%RSD	.4321	.3263	32.77	.3443	.5516	.2116	33.25
#1	1.952	8.315	.0055	2.042	4.866	1.998	.0326
#2	1.962	8.365	.0109	2.048	4.918	2.000	.0455
#3	1.968	8.321	.0086	2.056	4.905	2.006	.0231

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	.0060	.0223	1.983	4.826	.0789	1.967
SDev	.0073	.0010	.0039	.016	.014	.0177	.008
%RSD	87.63	16.18	17.42	.8139	.2857	22.45	.3870
#1	.0129	.0050	.0179	1.992	4.824	.0792	1.965
#2	.0121	.0063	.0238	1.964	4.814	.0610	1.961
#3	-.0001	.0069	.0252	1.993	4.841	.0964	1.975

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0199	.0108	.0005	1.980	.0483	.9857	.0152
SDev	.0023	.0003	.0001	.026	.0447	.0034	.0012

%RSD	11.71	2.718	23.22	1.311	92.53	.3436	7.851
#1	.0211	.0106	.0005	1.956	.0252	.9854	.0145
#2	.0213	.0111	.0006	2.008	.0998	.9825	.0145
#3	.0172	.0107	.0004	1.977	.0199	.9893	.0166

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0002	.9951	-.0020
SDev	.0002	.0094	.0003
%RSD	145.9	.9432	17.46
#1	-.0003	.9889	-.0016
#2	-.0003	.9905	-.0021
#3	.0001	1.006	-.0022

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Method: ICP1A Sample Name: ICP1.0 960103F100 Operator: DRS
Run Time: 03/14/96 10:41:16
Comment: (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0057	.0164	-.0067	-.0004	.0011	.0005	.0057
SDev	.0008	.0043	.0052	.0010	.0002	.0000	.0052
%RSD	14.65	26.12	76.98	234.3	18.73	6.413	91.35
#1	.0063	.0193	-.0125	.0005	.0011	.0006	.0036
#2	.0048	.0115	-.0049	-.0003	.0009	.0005	.0018
#3	.0061	.0185	-.0027	-.0014	.0013	.0005	.0115

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0041	.0036	.0009	.0010	-.0074	.0023
SDev	.0004	.0021	.0054	.0007	.0010	.0017	.0006
%RSD	23.46	49.96	148.5	82.30	104.8	22.38	26.23
#1	.0021	.0051	.0037	.0016	.0014	-.0065	.0028
#2	.0014	.0055	-.0018	.0002	.0017	-.0093	.0017
#3	.0022	.0018	.0090	.0008	-.0002	-.0064	.0023

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0057	.3220	.0034	-.0066	-.0102	-.0078
SDev	.0001	.0006	.0398	.0001	.0012	.0084	.0003
%RSD	13.03	10.54	12.37	2.127	18.41	82.26	4.196
#1	.0007	-.0059	.3450	.0033	-.0078	-.0063	-.0075
#2	.0007	-.0061	.2760	.0035	-.0068	-.0198	-.0078
#3	.0009	-.0050	.3450	.0034	-.0053	-.0044	-.0081

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0189	.0113	.0335	.0011	-.0032	.0543
SDev	.0011	.0198	.0055	.0010	.0101	.0056	.0056
%RSD	53.28	105.0	48.59	3.141	909.6	178.0	10.30
#1	.0011	-.0031	.0099	.0335	.0069	.0027	.0480
#2	.0020	.0244	.0067	.0345	-.0106	-.0036	.0584
#3	.0034	.0354	.0174	.0324	.0070	-.0086	.0566

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0159	.0068	.0082	.0037	.0234	.0569	.0013
SDev	.0027	.0013	.0048	.0040	.0014	.0111	.0001
%RSD	16.78	19.40	57.86	107.1	6.091	19.48	5.617
#1	.0178	.0053	.0130	.0012	.0224	.0461	.0013
#2	.0128	.0071	.0035	.0016	.0228	.0683	.0012
#3	.0170	.0079	.0081	.0083	.0250	.0564	.0012

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0201	-.0030	.0007	.0106	.1676	.0013	.0118
SDev	.0036	.0060	.0001	.0044	.0251	.0004	.0130

%RSD	18.11	197.3	9.995	41.73	14.98	28.84	109.6
#1	.0183	.0009	.0007	.0107	.1944	.0011	-.0030
#2	.0177	-.0099	.0006	.0150	.1446	.0010	.0175
#3	.0243	-.0001	.0007	.0061	.1639	.0017	.0211

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0004	-.0090	-.0004
SDev	.0003	.0001	.0001
%RSD	94.08	.9336	17.02
#1	.0003	-.0091	-.0004
#2	.0000	-.0089	-.0004
#3	.0007	-.0090	-.0005

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Method: ICP1A Sample Name: 96-2619 Operator: DRS
Run Time: 03/14/96 10:43:47
Comment: FIELD BLANK (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.1675	-.0026	1.714	.0032	.0002	.3278
SDev	.0008	.0024	.0072	.016	.0002	.0001	.0069
%RSD	64.60	1.424	279.9	.9243	7.271	23.55	2.100
#1	.0020	.1700	.0036	1.697	.0034	.0003	.3227
#2	.0010	.1652	-.0008	1.728	.0034	.0002	.3356
#3	.0005	.1672	-.0106	1.717	.0030	.0002	.3250

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2499	.0083	.0025	.0029	.1292	.0100	-.0002
SDev	.0003	.0021	.0025	.0012	.0032	.0004	.0005
%RSD	.1347	25.44	99.92	41.44	2.519	3.946	246.0
#1	.2497	.0079	.0051	.0043	.1291	.0105	.0003
#2	.2502	.0065	.0001	.0023	.1260	.0098	-.0003
#3	.2496	.0107	.0024	.0022	.1325	.0098	-.0007

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.2149	.5674	.0009	.1130	.0880	-.0015
SDev	.0004	.0011	.0739	.0012	.0010	.0037	.0001
%RSD	105.5	.4968	13.03	133.9	.8584	4.255	4.434
#1	.0007	.2145	.6211	.0024	.1120	.0837	-.0014
#2	.0001	.2162	.4831	.0002	.1140	.0908	-.0015
#3	.0001	.2142	.5981	.0002	.1130	.0894	-.0015

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0136	39.99	.0043	.0420	3.908	-.0019	.0263
SDev	.0008	.22	.0028	.0019	.003	.0069	.0117
%RSD	5.628	.5519	65.08	4.591	.0677	367.9	44.30
#1	.0131	39.75	.0075	.0433	3.908	.0020	.0396
#2	.0133	40.19	.0023	.0429	3.910	-.0099	.0176
#3	.0145	40.04	.0031	.0398	3.905	.0023	.0218

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0028	.0083	-.0053	2.966	-.0014	.0024
SDev	.0072	.0023	.0135	.0160	.029	.0283	.0001
%RSD	439.9	82.89	163.4	298.9	.9772	1952.	2.934
#1	.0100	.0051	.0238	.0125	2.934	.0246	.0024
#2	-.0019	.0030	-.0004	-.0183	2.972	-.0315	.0024
#3	-.0031	.0004	.0014	-.0103	2.991	.0025	.0023

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	.0025	.0019	.0088	.0483	.0001	.0110
SDev	.0041	.0045	.0008	.0054	.0797	.0004	.0012

%RSD	92.18	179.1	43.01	61.34	165.2	321.0	10.52
#1	.0074	-.0019	.0029	.0029	.1394	.0006	.0102
#2	.0063	.0070	.0014	.0135	.0138	-.0001	.0105
#3	-.0002	.0024	.0015	.0099	-.0084	-.0001	.0123

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0003	.1683	.0031
SDev	.0004	.0023	.0006
%RSD	134.5	1.348	21.08
#1	-.0003	.1705	.0038
#2	-.0006	.1659	.0028
#3	.0001	.1685	.0026

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Method: ICP1A Sample Name: 96-2620 @5 Operator: DRS
Run Time: 03/14/96 10:47:27
Comment: HYD.FLUID @5X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.4633	.0446	.5383	.0006	.0001	.0520
SDev	.0014	.0012	.0050	.0039	.0003	.0000	.0103
%RSD	41.09	.2577	11.25	.7273	46.37	1.726	19.73
#1	.0049	.4645	.0443	.5353	.0009	.0001	.0630
#2	.0023	.4622	.0497	.5369	.0005	.0001	.0426
#3	.0028	.4632	.0397	.5427	.0004	.0001	.0506

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0989	.0079	.0095	.0064	2.325	.0274	.0038
SDev	.0005	.0012	.0053	.0005	.022	.0001	.0014
%RSD	.5283	14.96	56.41	8.267	.9502	.3881	35.94
#1	.0991	.0083	.0153	.0068	2.300	.0275	.0053
#2	.0983	.0066	.0082	.0066	2.332	.0275	.0029
#3	.0993	.0088	.0049	.0058	2.343	.0273	.0031

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	.0358	10.84	.0037	314.9	-.0242	-.0076
SDev	.0001	.0004	.13	.0011	2.1	.0175	.0002
%RSD	2.496	1.197	1.169	30.02	.6671	72.35	2.113
#1	.0045	.0361	10.97	.0047	312.6	-.0061	-.0078
#2	.0043	.0360	10.83	.0038	315.1	-.0254	-.0075
#3	.0043	.0353	10.72	.0025	316.8	-.0410	-.0077

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5683	1102.	.0075	.0413	32.30	.0160	.1045
SDev	.0044	7.	.0042	.0017	.27	.0033	.0062
%RSD	.7784	.6376	55.38	4.007	.8436	20.81	5.950
#1	.5679	1095.	.0119	.0419	32.15	.0136	.1105
#2	.5642	1103.	.0070	.0426	32.14	.0198	.1048
#3	.5730	1109.	.0036	.0394	32.62	.0145	.0981

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0825	.0756	.0471	.0527	1.851	.1767	.0042
SDev	.0090	.0029	.0052	.0050	.091	.0132	.0000
%RSD	10.92	3.884	10.99	9.566	4.912	7.466	.0122
#1	.0915	.0789	.0449	.0497	1.756	.1880	.0042
#2	.0824	.0747	.0434	.0499	1.860	.1800	.0042
#3	.0735	.0732	.0530	.0585	1.938	.1622	.0042

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0368	.0532	.0012	.0219	9.415	.0043	.0838
SDev	.0092	.0074	.0002	.0073	.057	.0008	.0056

%RSD	25.01	13.91	14.31	33.07	.6091	18.60	6.633
#1	.0403	.0610	.0013	.0154	9.363	.0052	.0885
#2	.0438	.0522	.0014	.0298	9.406	.0041	.0776
#3	.0264	.0463	.0011	.0206	9.477	.0037	.0851

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	.0003	.0074	-.0034
SDev	.0002	.0003	.0004
%RSD	73.36	4.509	12.49
#1	.0004	.0071	-.0037
#2	.0004	.0077	-.0035
#3	.0000	.0074	-.0029

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Method: ICP1A Sample Name: 96-2620 @50 Operator: DRS
Run Time: 03/14/96 10:51:19
Comment: HYD.FLUID @50X DIL (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0454	.0016	.0509	-.0001	-.0000	-.0004
SDev	.0004	.0031	.0045	.0019	.0001	.0000	.0058
%RSD	62.22	6.734	287.1	3.684	68.41	11.95	1592.
#1	-.0005	.0473	.0039	.0504	-.0000	-.0000	.0049
#2	-.0003	.0419	.0045	.0529	-.0002	-.0000	-.0066
#3	-.0010	.0470	-.0036	.0492	-.0002	-.0000	.0005

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0236	.0098	-.0144	-.0017	.2411	-.0087	-.0013
SDev	.0005	.0065	.0025	.0009	.0051	.0003	.0003
%RSD	2.159	66.21	17.70	51.10	2.115	2.885	26.79
#1	-.0237	.0027	-.0115	-.0015	.2353	-.0085	-.0009
#2	-.0240	.0113	-.0155	-.0009	.2438	-.0090	-.0013
#3	-.0230	.0154	-.0162	-.0026	.2443	-.0087	-.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	-.0051	.7668	-.0032	33.53	-.0202	-.0085
SDev	.0002	.0008	.0479	.0013	.09	.0065	.0003
%RSD	78.08	14.84	6.245	40.01	.2639	32.36	3.249
#1	.0006	-.0046	.7821	-.0018	33.43	-.0131	-.0088
#2	.0002	-.0046	.8051	-.0034	33.59	-.0216	-.0084
#3	.0002	-.0059	.7131	-.0044	33.57	-.0260	-.0084

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0566	117.2	-.0037	.0208	3.202	-.0204	.0087
SDev	.0009	.3	.0048	.0024	.087	.0074	.0045
%RSD	1.539	.2699	131.3	11.49	2.715	36.15	52.39
#1	.0572	116.8	.0018	.0226	3.104	-.0163	.0039
#2	.0556	117.2	-.0056	.0181	3.230	-.0290	.0129
#3	.0570	117.5	-.0071	.0216	3.271	-.0161	.0092

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0025	.0055	.0054	-.0039	.1345	-.0317	.0004
SDev	.0020	.0011	.0088	.0100	.0018	.0256	.0001
%RSD	79.76	20.97	162.1	254.7	1.349	80.91	17.27
#1	-.0008	.0065	.0006	-.0116	.1324	-.0025	.0005
#2	-.0048	.0042	.0001	-.0076	.1355	-.0507	.0004
#3	-.0020	.0057	.0156	.0074	.1356	-.0418	.0004

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0098	.0047	-.0006	.0069	.8077	-.0011	.0099
SDev	.0037	.0072	.0002	.0059	.0494	.0001	.0108

%RSD	37.83	152.1	29.79	84.99	6.111	5.529	109.0
#1	-.0057	.0130	-.0004	.0031	.7697	-.0011	.0179
#2	-.0129	.0001	-.0007	.0136	.7898	-.0010	.0143
#3	-.0109	.0010	-.0008	.0039	.8634	-.0012	-.0024

Elem	Y	Zn	Zr
Units	ppm	ppm	ppm
Avge	-.0008	-.0097	-.0026
SDev	.0004	.0004	.0006
%RSD	53.32	3.962	23.64
#1	-.0003	-.0099	-.0032
#2	-.0010	-.0099	-.0027
#3	-.0010	-.0092	-.0020

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Method: ICP1A Sample Name: 96-2620 Operator: DRS
Run Time: 03/14/96 10:55:09
Comment: HYD.FLUID (DRAINABLE LIQUIDS)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0154	2.165	.1596	2.469	.0025	.0006	.2125
SDev	.0023	.009	.0155	.010	.0002	.0000	.0043
%RSD	15.01	.4048	9.699	.4060	8.262	3.634	2.011
#1	.0130	2.155	.1419	2.480	.0023	.0006	.2133
#2	.0176	2.168	.1660	2.460	.0026	.0007	.2079
#3	.0156	2.172	.1708	2.467	.0027	.0006	.2164

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5585	.0116	.0414	.0302	10.66	.1633	.0172
SDev	.0014	.0024	.0079	.0005	.02	.0020	.0003
%RSD	.2533	20.43	19.02	1.603	.1634	1.204	1.895
#1	.5592	.0134	.0345	.0297	10.64	.1613	.0169
#2	.5568	.0125	.0397	.0303	10.66	.1652	.0171
#3	.5594	.0089	.0499	.0307	10.67	.1634	.0175

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0186	.1921	52.44	.0183	773.8	-.0745	-.0044
SDev	.0002	.0014	.01	.0006	.2	.0097	.0004
%RSD	1.107	.7287	.0253	3.147	.0199	13.06	9.209
#1	.0183	.1906	52.42	.0181	773.9	-.0833	-.0048
#2	.0188	.1933	52.45	.0189	773.7	-.0640	-.0040
#3	.0186	.1924	52.45	.0178	773.7	-.0762	-.0044

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.595	4110.	.0295	.1102	156.4	.1094	.4086
SDev	.003	7.	.0016	.0040	.1	.0060	.0136
%RSD	.1323	.1686	5.381	3.667	.0580	5.437	3.326
#1	2.594	4118.	.0279	.1063	156.4	.1033	.3951
#2	2.599	4109.	.0310	.1098	156.3	.1099	.4083
#3	2.593	4104.	.0296	.1144	156.5	.1151	.4223

Elem	Rh	Ru	Sb	Se	Si	Sn	Sr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3682	.3322	.2065	.2434	24.66	.6610	.0177
SDev	.0054	.0018	.0053	.0036	.90	.0401	.0000
%RSD	1.461	.5280	2.565	1.461	3.669	6.062	.0011
#1	.3633	.3331	.2111	.2408	23.66	.6153	.0177
#2	.3673	.3302	.2007	.2421	24.88	.6774	.0177
#3	.3740	.3334	.2076	.2475	25.43	.6901	.0177

Elem	Te	Th	Ti	Tl	U	V	W
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1642	.2041	.0055	.0874	42.59	.0204	.3363
SDev	.0063	.0135	.0003	.0083	.24	.0007	.0058