Method: CUANDMN Sample Name: Cu and mn Operator:
Run Time: 05/15/91 08:39:45
Comment:
Mode: INT Corr. Factor: 1

Beginning Richfield # 153 & 155 dissolved samples original with Kalamazoo chemical 91170381+82

Elem	Mn2574	Cu3247
Avge	733	1068
SDev	2	3
%RSD	.2611	.3104
#1	735	1068
#2	733	1065
#3	735	1073
#4	731	1068

IntStd	1	2	3	4	5	6	7
Mode	None	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Time	--		--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	1	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	[illegible]		--	--	--	--	--
#1	1	--	--	--	--	--	--
#2	1	--		--	--	--	--
#3	1	--	--	--	--	--	--
#4	1	--	--	--	--	--	--

Method: MASTER Standard: BLANK

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	[illegible]496	Cd2288
Avge	.0843	.000	.001	.00003	.00063	.0029	.0000
SDev	.0004	.000	.003	.00012	.00006	.0001	.000
%RSD	.4740	-634.	488.	346.41	9.1161	4.028	-173.2
#1	.0843	.000	.001	.00010	.00060	.0028	-.0001
#2	.0839	.000	-.002	-.00010	.00070	.0028	.0000
#3	.0847	.000	.003	.00010	.0[illegible]	.0030	.0000

Elem	Ga39[illegible]	[illegible]	[illegible]677	Co2286	Cu3247	Fe2599	Fe2714
Avge	.0003	.054	.0004	.0002	.0006	.0012	.077
SDev	.000[illegible]	.000	[illegible]	.0001	.0000	.0000	.001
%RSD	43.30	.647	83.32	[illegible]	[illegible]	[illegible]	.886
#1	.0004	.054	.0003	.0002	.0006	.0012	.076
#2	.0002	.054	.0001	.0003	.0006	.0012	.077
#3	.0002	.055	.0007	.0001	.0006	.0012	.077

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Avge	.000	.0019	.129	.0000	.0001	-.0001	.042
SDev	.000	.0000	.001	.0002	.0001	-.0009	.000
%RSD	[illegible]	[illegible]	.741	458.3	86.60	-900.0	.553
#1	.000	.0019	.128	-.0001	.0001	.0008	.042
#2	.000	.0019	.128	.0000	.0001	-.0001	.041
#3	.000	.0019	.130	.0002	.0000	-.0010	.042

USEPA RCRA 3057908

Elem Se1960 Si2516 Ag3280

Method: MASTER1 Standard: STD1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Avge	.1177	-.001	.760	1.6403	1.3920	.0041	.3346
SDev	.0004	.000	.001	.0118	.0077	.0002	.0018
%RSD	.2983	-8.66	.165	.71997	.55400	4.878	.5265
#1	.1174	-.001	.760	1.6292	1.3873	.0041	.3336
#2	.1181	-.001	.759	1.6527	1.4009	.0043	.3366
#3	.1177	-.001	.762	1.6389	1.3878	.0039	.3335

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Avge	2.071	.871	.8682	.7053	1.039	.6211	.272
SDev	.013	.002	.0037	.0015	.007	.0031	.002
%RSD	.6271	.236	.4264	.2171	.6786	.5061	.690
#1	2.059	.869	.8644	.7047	1.032	.6183	.271
#2	2.085	.873	.8718	.7070	1.046	.6245	.274
#3	2.068	.871	.8683	.7041	1.040	.6205	.271

Elem	Pb2202	Mo2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Avge	.174	.7997	.775	.7676	.6476	.5083	.041

SDev	.001	.0032	.002	.0034	.0028	.0035	.000
%RSD	.403	.4033	.235	.4411	.4341	.6828	.739
#1	.173	.7967	.774	.7645	.6444	.5046	.041
#2	.175	.8031	.777	.7712	.6495	.5115	.040
#3	.174	.7992	.775	.7670	.6490	.5087	.041

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Avge	1.03	.0603	-.0066	.0254	.0031	.0266	.299
SDev	.00	.0005	.0002	.0001	.0000	.0006	.003
%RSD	.279	.7482	-2.303	.3937	.0000	2.348	.867
#1	1.03	.0598	-.0068	.0253	.0031	.0268	.301
#2	1.03	.0607	-.0065	.0254	.0031	.0259	.296
#3	1.03	.0603	-.0066	.0255	.0031	.0271	.300

Elem	Ti3349	V_2924	Zn2138
Avge	1.087	.3747	.6759
SDev	.006	.0019	.0024
%RSD	.5790	.4953	.3567
#1	1.082	.3729	.6734
#2	1.094	.3766	.6782
#3	1.086	.3745	.6762

Method: MASTER1 Standard: STD2

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Avge	.0843	.126	-.001	.00267	.00083	.0029	.0000
SDev	.0011	.002	.001	.00006	.00006	.0002	.0001
%RSD	1.333	1.39	-260.	2.1651	6.9282	5.207	173.2
#1	.0853	.128	-.002	.00270	.00080	.0028	.0001
#2	.0846	.125	-.001	.00270	.00090	.0031	.0000
#3	.0831	.125	.001	.00260	.00080	.0029	.0000

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Avge	.0013	.054	.9526	.0001	.0016	.0015	.079
SDev	.0001	.001	.0071	.0005	.0001	.0001	.001
%RSD	4.330	1.35	.7440	708.9	3.535	3.936	.669
#1	.0014	.055	.9584	-.0003	.0016	.0014	.079
#2	.0013	.055	.9547	-.0001	.0017	.0015	.079
#3	.0013	.054	.9447	.0006	.0016	.0015	.079

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Avge	.000	.0016	.127	.0002	.0000	-.0009	.041
SDev	.000	.0001	.001	.0001	.000	.0002	.001
%RSD	139.	3.685	.980	34.64	-692.8	-24.02	1.11
#1	.000	.0016	.128	.0001	-.0003	-.0011	.042
#2	.000	.0016	.128	.0002	.0001	-.0007	.041
#3	.000	.0015	.126	.0002	.0001	-.0008	.041

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Avge	.000	.0557	1.267	.0222	.0031	.0224	.000
SDev	.01	.0003	.015	.0003	.0000	.0004	.00
%RSD	-2650.	.5775	1.216	1.302	.0000	1.807	-93.3

#1	-.002	.0558	1.280	.0220	.0031	.0226	-.001
#2	-.005	.0559	1.271	.0225	.0031	.0226	.000
#3	.007	.0553	1.250	.0220	.0031	.0219	-.001

Elem	Ti3349	V_2924	Zn2138
Avge	.0005	-.0007	.0005
SDev	.0001	.0001	.0001
%RSD	10.83	-7.873	10.83
#1	.0005	-.0007	.0006
#2	.0006	-.0007	.0005
#3	.0005	-.0008	.0005

Method: MASTER1 Standard: STD4

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Avge	.0827	-.001	.000	.00160	.00070	.1991	.0000
SDev	.0017	.000	.002	.00010	.00000	.0023	.0001
%RSD	2.108	-28.4	375.	6.2500	.00000	1.138	173.2
#1	.0839	-.001	-.001	.00170	.00070	.2012	.0000
#2	.0835	-.001	.002	.00150	.00070	.1994	.0000
#3	.0807	-.002	.000	.00160	.00070	.1967	.0001

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Avge	.0007	.053	.0003	.0001	.0011	.0030	.076
SDev	.0001	.001	.0003	.0002	.0001	.0002	.002
%RSD	7.873	1.90	96.44	114.6	5.094	5.036	2.45
#1	.0008	.053	.0007	.0000	.0012	.0030	.077
#2	.0007	.053	.0001	.0003	.0011	.0032	.076
#3	.0007	.052	.0002	.0001	.0011	.0029	.074

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Avge	.000	.0014	.125	.0001	.0004	-.0003	.041
SDev	.001	.0000	.003	.0001	.0002	.0005	.001
%RSD	1650.	.0000	2.00	86.60	62.98	-173.2	1.96
#1	.000	.0014	.127	.0001	.0005	-.0008	.041
#2	.000	.0014	.126	.0001	.0001	.0000	.041
#3	-.001	.0014	.122	.0000	.0005	.0000	.040

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Avge	-.004	.3908	.0001	.0216	2.049	.3558	.001
SDev	.003	.0109	.0003	.0004	.017	.0101	.002
%RSD	-57.0	2.783	229.1	1.930	.8480	2.838	289.
#1	-.007	.4004	.0002	.0219	2.069	.3637	-.002
#2	-.002	.3931	.0004	.0217	2.043	.3592	.001
#3	-.005	.3790	-.0002	.0211	2.036	.3444	.003

Elem	Ti3349	V_2924	Zn2138
Avge	.0000	.0000	.0002
SDev	.0001	.0001	.0001
%RSD	173.2	173.2	50.00
#1	.0001	.0000	.0002

#2	.0000	.0001	.0001
#3	.0000	.0000	.0003

Method: MASTER1 Standard: STD3

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Avge	16.81	.000	.113	.00083	.00073	.0063	.0000
SDev	.06	.000	.005	.00006	.00006	.0002	.0001
%RSD	.3865	180.	4.09	6.9282	7.8730	2.412	173.2
#1	16.87	.001	.119	.00090	.00080	.0065	.0001
#2	16.74	.000	.111	.00080	.00070	.0063	.0000
#3	16.84	.000	.109	.00080	.00070	.0062	.0000

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Avge	33.93	15.2	-.0010	.0014	.0015	11.38	2.97
SDev	.07	.1	.0002	.0004	.0000	.04	.01
%RSD	.2070	.586	-20.15	24.74	.0000	.3164	.376
#1	33.91	15.3	-.0011	.0016	.0015	11.41	2.98
#2	33.87	15.2	-.0008	.0010	.0015	11.34	2.96
#3	34.00	15.2	-.0012	.0016	.0015	11.39	2.96

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Avge	.003	13.79	12.5	-.0007	-.0020	.0000	.202
SDev	.000	.05	.1	.0000	.0002	.001	.002
%RSD	3.94	.3794	.465	.0000	-10.00	-1952.	.718
#1	.003	13.84	12.6	-.0007	-.0018	.0006	.204
#2	.003	13.73	12.5	-.0007	-.0022	.0000	.201
#3	.003	13.79	12.5	-.0007	-.0020	-.0007	.202

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Avge	-.007	.0599	-.0009	3.904	.0053	.0558	.000
SDev	.001	.0013	.0002	.014	.0004	.0007	.00
%RSD	-7.52	2.208	-19.25	.3490	7.674	1.272	-681.
#1	-.008	.0614	-.0007	3.916	.0057	.0559	-.001
#2	-.007	.0589	-.0010	3.890	.0052	.0564	-.001
#3	-.007	.0594	-.0010	3.907	.0049	.0550	.001

Elem	Ti3349	V_2924	Zn2138
Avge	-.0001	.0001	.0032
SDev	.0001	.0001	.0001
%RSD	-86.60	86.60	1.823
#1	.0000	.0000	.0032
#2	-.0001	.0001	.0032
#3	-.0001	.0001	.0031

Standardization Report Wed 05-15-91 09:25:32 AM page 1

Method: MASTER1

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardize
Al3082	308.215	STD3	BLANK	5.97977	-.504095	05/15/91 09:20:
Sb2068	206.838	STD2	BLANK	39.7106	.001324	05/15/91 09:07:
As1936	193.696	STD1	BLANK	6.58039	-.003510	05/15/91 08:56:
Ba4934	493.409	STD1	BLANK	3.04835	-.000102	05/15/91 08:56:
Be3130	313.042	STD1	BLANK	3.58755	-.002272	05/15/91 08:56:
B_2496	249.678	STD4	BLANK	25.4799	-.073042	05/15/91 09:17:
Cd2288	228.802	STD1	BLANK	14.9437	.000498	05/15/91 08:56:
Ca3933	393.366	STD1	BLANK	2.41507	-.000644	05/15/91 08:56:
Ca3179	317.933	STD3	BLANK	6.58676	-.357441	05/15/91 09:20:
Cr2677	267.716	STD2	BLANK	5.25081	-.001925	05/15/91 09:07:
Co2286	228.616	STD1	BLANK	7.09585	-.001419	05/15/91 08:56:
Cu3247	324.754	STD1	BLANK	4.81856	-.002891	05/15/91 08:56:
Fe2599	259.940	STD1	BLANK	8.05494	-.009666	05/15/91 08:56:
Fe2714	271.441	STD3	BLANK	34.9763	-2.68851	05/15/91 09:20:
Pb2202	220.253	STD1	BLANK	28.7985	-.003840	05/15/91 08:56:
Mg2795	279.553	STD1	BLANK	6.26960	-.011912	05/15/91 08:56:
Mg3832	383.231	STD3	BLANK	8.06354	-1.03778	05/15/91 09:20:
Mn2576	257.610	STD1	BLANK	6.54901	-.000218	05/15/91 08:56:
Mo2020	202.030	STD1	BLANK	7.72474	-.000515	05/15/91 08:56:
Ni2316	231.604	STD1	BLANK	9.83640	.000984	05/15/91 08:56:
K_7664	766.490	STD3	BLANK	311.980	-13.0304	05/15/91 09:20:
Se1960	196.026	STD1	BLANK	4.84825	.006788	05/15/91 08:56:
Si2516	251.611	STD4	BLANK	15.0286	-.873660	05/15/91 09:17:
Ag3280	328.068	STD2	BLANK	3.94841	-.003027	05/15/91 09:07:
Na5889	588.995	STD3	BLANK	12.9777	-.280752	05/15/91 09:20:
Sr4215	421.552	STD4	BLANK	2.44359	-.007494	05/15/91 09:17:
Sn1899	189.989	STD4	BLANK	14.9745	-.327443	05/15/91 09:17:
Tl1908	190.801	STD1	BLANK	16.7101	-.010583	05/15/91 08:56:
Ti3349	334.941	STD1	BLANK	4.59857	.000000	05/15/91 08:56:
V 2924	292.402	STD1	BLANK	13.3411	.000000	05/15/91 08:56:
Zn2138	213.858	STD1	BLANK	7.42047	-.000495	05/15/91 08:56:

Method: MASTER1 Sample Name: 2% nitric acid Operator: sc
Run Time: 05/15/91 09:28:39
Comment: ccv
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0100	-.015	.007	.00001	.00024	.0009	.0020
SDev	.0119	.026	.020	.00018	.00000	.0044	.0000
%RSD	-120.0	-179.	273.	1662.3	1.0849	477.5	.0345
#1	.0018	.013	.026	-.00009	.00024	.0034	.0020
#2	-.0096	-.019	-.015	-.00009	.00024	.0035	.0020
#3	-.0221	-.038	.011	.00022	.00024	-.0041	.0020

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0129	-.010	-.0002	.0002	.0013	.0089	-.135
SDev	.0041	.011	.0012	.0018	.0006	.0053	.048
%RSD	31.89	-103.	-708.0	739.8	42.96	59.58	-35.4
#1	.0172	-.002	.0012	.0000	.0019	.0145	-.093
#2	.0126	-.007	-.0009	.0021	.0010	.0081	-.125
#3	.0090	-.022	-.0009	-.0014	.0010	.0040	-.187

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.005	.0082	-.055	.0000	.0010	-.0016	-.842
SDev	.005	.0041	.020	.0004	.0028	.0083	.191
%RSD	102.	50.43	-35.8	1001000.	273.1	-503.2	-22.6
#1	.002	.0125	-.035	-.0002	.0003	.0079	-.676
#2	.002	.0075	-.057	.0004	.0041	-.0059	-.801
#3	.011	.0044	-.074	-.0002	-.0013	-.0069	-1.05

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.012	-.1502	-.0018	-.0110	-.0002	-.0114	-.009
SDev	.017	.0213	.0004	.0083	.0002	.0052	.024
%RSD	-138.	-14.18	-21.45	-75.77	-150.0	-45.72	-266.
#1	-.024	-.1312	-.0014	-.0029	.0001	-.0144	.009
#2	.007	-.1462	-.0018	-.0106	-.0002	-.0054	-.001
#3	-.020	-.1733	-.0022	-.0195	-.0004	-.0143	-.036

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	.0000	.0009	.0007
SDev	.000	.0015	.0004
%RSD	-268.2	170.5	58.18
#1	.0000	.0000	.0002
#2	.0000	.0027	.0010
#3	.0000	.0000	.0010

Method: MASTER1 Sample Name: 1ppmqc 7 Operator:
Run Time: 05/15/91 09:43:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.030	.003	.001	1.0057	.00036	.9860	.0010
SDev	.001	.026	.016	.0012	.00021	.0103	.0009
%RSD	.0978	1000.	2760.	.11463	57.138	1.045	85.82
#1	1.030	-.011	.014	1.0062	.00024	.9920	.0005
#2	1.030	-.015	-.017	1.0065	.00024	.9741	.0020
#3	1.029	.033	.004	1.0043	.00060	.9920	.0005
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	1.000			1.0000			
Range	10.00			10.000			

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0049	-.011	-.0002	.0014	.0014	-.0024	-.099
SDev	.0001	.001	.0003	.0021	.0000	.0008	.016
%RSD	2.884	-12.2	-157.0	152.0	.1291	-33.85	-16.1
#1	.0050	-.013	.0002	-.0007	.0014	-.0032	-.090
#2	.0048	-.011	-.0004	.0035	.0014	-.0016	-.090
#3	.0048	-.010	-.0004	.0014	.0014	-.0024	-.118
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.001	-.0027	-.046	-.0002	.0018	.0000	9.79
SDev	.004	.0004	.002	.0000	.0008	.005	.13
%RSD	518.	-13.33	-4.64	-1.861	43.01	-1668e3	1.29
#1	.005	-.0025	-.044	-.0002	.0026	.0049	9.81
#2	.002	-.0031	-.048	-.0002	.0010	-.0010	9.65
#3	-.004	-.0025	-.047	-.0002	.0018	-.0039	9.90

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value							10.0
Range							10.0

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.021	.3735	Q1.204	1.014	-.0002	-.0055	-.008
SDev	.005	.0099	.006	.004	.0000	.0038	.013
%RSD	-24.0	2.639	.5270	.3816	.0000	-68.82	-165.
#1	-.019	.375	Q1.200	1.018	-.0002	-.0060	.006
#2	-.017	.3630	Q1.212	1.014	-.0002	-.0090	-.019
#3	-.026	.3826	Q1.202	1.011	-.0002	-.0015	-.011

Errors	NOCHECK	NOCHECK	QC Fail	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value			1.000	1.000			
Range			10.00	10.00			

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	.0000	.0009	.0012
SDev	.000	.0015	.0004
%RSD	-211.7	171.2	34.66
#1	.0000	.0027	.0010
#2	.0000	.0000	.0017
#3	.0000	.0000	.0010

Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

Method: MASTER1 Sample Name: hermiston cocktail Operator: sc
Run Time: 05/15/91 09:50:36
Comment: ccv
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	.454	.026	2.0988	.00024	.0060	.0533
SDev	.0041	.022	.007	.0186	.00000	.0053	.0009
%RSD	62.51	4.87	27.4	.88655	.96131	88.57	1.619
#1	.0042	.430	.018	2.1199	.00023	.0000	.0543
#2	.0113	.474	.029	2.0916	.00024	.0102	.0528
#3	.0042	.458	.031	2.0849	.00024	.0077	.0528

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.005	.2105	.5492	.2762	1.081	1.27
SDev	.0001	.004	.0016	.0026	.0020	.006	.03
%RSD	7.264	77.1	.7618	.4657	.7264	.5974	2.23
#1	.0021	.002	.2123	.5471	.2784	1.088	1.28
#2	.0021	.010	.2102	.5521	.2746	1.081	1.28
#3	.0018	.004	.2091	.5485	.2755	1.075	1.23

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni231[illegible]	K_7664

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.031	.0021	.024	.5433	.0014	-.0018	.228
SDev	.017	.0004	.003	.0043	.0009	.0010	.108
%RSD	55.1	16.84	11.5	.7911	64.33	-56.09	47.3
#1	.015	.0023	.023	.5479	.0004	-.0008	.166
#2	.050	.0024	.027	.5426	.0019	-.0018	.353
#3	.030	.0017	.023	.5394	.0019	-.0027	.166

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.041	-.0619	.0405	.0124	.0001	-.0001	-.011
SDev	.007	.0117	.0016	.0020	.0000	.0023	.016
%RSD	15.7	-18.96	3.938	15.99	.0000	-3341.	-150.
#1	.040	-.0694	.0388	.0102	.0001	-.0026	-.001
#2	.048	-.0484	.0420	.0141	.0001	.0004	-.030
#3	.036	-.0679	.0408	.0129	.0001	.0019	-.001

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	-.0001	-.0001	.5472
SDev	.0003	.0013	.0024
%RSD	-193.1	-972.4	.4352
#1	.0000	-.0015	.5490
#2	.0000	.0012	.5482
#3	-.0004	-.0001	.5445

Method: MASTER1 Sample Name: ICS Operator: sc
Run Time: 05/15/91 10:00:04
Comment: ccv
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	501.1	.848	0.443	.92298	.90466	.8414	.8786
SDev	2.9	.008	.057	.00381	.00200	.0090	.0105
%RSD	.5876	.978	12.8	.41275	.22118	1.066	1.194
#1	498.8	.857	0.387	.92349	.90503	.8324	.8681
#2	500.1	.841	0.5	.91894	.90251	.8503	.8786
#3	504.4	.845	0.440	.92650	.90646	.8415	.8891
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	NOCHECK	QC Pass
Value	500.0	1.00	1.00	1.0000	1.0000		1.000
Range	10.00	20.0	20.0	20.000	20.000		20.00

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	227.4	491.	.8573	.8493	.8992	170.5	188.
SDev	.2	1.	.0023	.0015	.0037	.4	.
%RSD	.0808	.217	.2714	.1816	.4130	.2239	.185
#1	227.5	490.	.8569	.8498	.8971	170.5	187.
#2	227.2	489.	.8553	.8505	.8971	170.1	187.
#3	227.6	492.	.8599	.8475	.9035	170.9	188.

Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value		500.	1.000	1.000	1.000		200.
Range		10.0	20.00	20.00	20.00		20.0

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.819	264.3	473.	.8653	.8951	.8156	8.80
SDev	.012	.2	1.	.0026	.0073	.0088	.08
%RSD	1.50	.0597	.241	.3048	.8181	1.081	.938
#1	.817	264.5	473.	.8653	.8904	.8211	8.84
#2	.808	264.2	472.	.8626	.9035	.8054	8.87
#3	.832	264.2	474.	.8679	.8913	.8201	8.71

Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.00		500.	1.000	1.000	1.000	10.0
Range	20.0		10.0	20.00	20.00	20.00	20.0

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q1.29	.5662	1.062	1.029	.0103	.0336	.843
SDev	.02	.0075	.003	.005	.0000	.0647	.037
%RSD	1.76	1.328	.3013	.4592	.0000	192.3	4.42
#1	Q1.27	.5582	1.061	1.025	.0103	.1033	.812
#2	Q1.28	.5671	1.059	1.034	.0103	-.0245	.832
#3	Q1.32	.5732	1.065	1.027	.0103	.0220	.884

Errors	QC Fail	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	1.00		1.000	1.000			1.00
Range	20.0		20.00	20.00			20.0

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	.9424	.8660	.8938
SDev	.0016	.0023	.0022
%RSD	.1714	.2639	.2490
#1	.9422	.8674	.8933
#2	.9408	.8634	.8918
#3	.9440	.8673	.8962

Errors	QC Pass	QC Pass	QC Pass
Value	1.000	1.000	1.000
Range	20.00	20.00	20.00

Method: MASTER1 Sample Name: [redacted] Operator: sc
Run Time: 05/15/91 10:31:16
Comment: ccv
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	520.0	.880	1.11	.94091	.92348	.8748	.9122
SDev	2.0	.041	.11	.00511	.00508	.0098	.0083
%RSD	.3804	4.69	9.95	.54319	.55038	1.115	.9056

#1	521.6	.907	.990	.94510	.92623	.8853	.9177
#2	520.6	.899	Q1.21	.94241	.92659	.8660	.9162
#3	517.8	.832	1.12	.93521	.91761	.8732	.9027
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	500.0	1.00	1.00	1.0000	1.0000		1.000
Range	10.00	20.0	20.0	20.000	20.000		20.00
Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	229.8	511.	.8829	.8773	.9188	175.5	195.
SDev	.4	3.	.0080	.0043	.0061	1.0	1.
%RSD	.1745	.669	.9018	.4848	.6641	.5610	.575
#1	230.2	514.	.8921	.8817	.9207	176.4	196.
#2	229.8	510.	.8790	.8732	.9238	175.7	195.
#3	229.4	508.	.8776	.8769	.9120	174.4	193.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value		500.	1.000	1.000	1.000		200.
Range		10.0	20.00	20.00	20.00		20.0
Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.860	268.8	490.	.8962	.9048	.8569	9.37
SDev	.019	.7	4.	.0048	.0111	.0127	.05
%RSD	2.19	.2653	.757	.5384	1.227	1.481	.577
#1	.880	269.6	494.	.9008	.9174	.8605	9.40
#2	.856	268.6	491.	.8964	.8964	.8674	9.30
#3	.844	268.3	486.	.8912	.9007	.8428	9.40
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.00		500.	1.000	1.000	1.000	10.0
Range	20.0		10.0	20.00	20.00	20.00	20.0
Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl190B
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q1.30	.6465	1.113	1.015	.0109	.0055	.938
SDev	.03	.0198	.009	.001	.0001	.0351	.133
%RSD	2.16	3.062	.7887	.0854	1.293	635.0	14.2
#1	Q1.28	.6648	1.123	1.014	.0111	.0348	Q.791
#2	Q1.33	.6492	1.111	1.014	.0108	.0152	1.05
#3	Q1.29	.6255	1.106	1.016	.0108	-.0334	.972
Errors	QC Fail	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	1.00		1.000	1.000			1.00
Range	20.0		20.00	20.00			20.0
Elem	Ti3349	V_2924	Zn2138				
Units	ppm	ppm	ppm				
Avge	.9643	.8902	.9368				
SDev	.0063	.0033	.0050				
%RSD	.6556	.3648	.5293				
#1	.9698	.8932	.9424				
#2	.9657	.8906	.9350				

#3	.9574	.8868	.9330
Errors	QC Pass	QC Pass	QC Pass
Value	1.000	1.000	1.000
Range	20.00	20.00	20.00

Method: MASTER1 Sample Name: [redacted] Operator: sc
Run Time: 05/15/91 12:15:09
Comment: RIDGEFIELD-DISSOLVED
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0060	.001	.004	.00052	.00024	.0315	.0025
SDev	.0067	.004	.022	.00000	.00000	.0067	.0009
%RSD	111.6	299.	561.	.48483	1.0800	21.40	34.64
#1	.0120	-.003	.022	.00052	.00024	.0391	.0020
#2	.0071	.005	-.021	.00051	.00024	.0289	.0020
#3	-.0012	.001	.012	.00052	.00024	.0264	.0035

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0164	.000	.0009	-.0012	-.0003	.0086	-.096
SDev	.0021	.002	.0003	.0016	.0006	.0012	.031
%RSD	12.54	52500.	34.53	-138.5	-172.2	14.28	-32.7
#1	.0184	.002	.0012	-.0021	-.0010	.0097	-.093
#2	.0165	.001	.0007	.0007	.0000	.0089	-.066
#3	.0143	-.002	.0007	-.0021	.0000	.0073	-.128

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.000	.0134	-.034	.0004	-.0008	.0026	-.260
SDev	.011	.0055	.011	.0000	.0009	.0040	.065
%RSD	12700.	40.95	-31.7	1.315	-114.5	151.5	-25.0
#1	.008	.0194	-.022	.0004	-.0013	-.0010	-.208
#2	.005	.0119	-.042	.0004	.0003	.0069	-.239
#3	-.012	.0088	-.039	.0004	-.0013	.0020	-.333

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.001	-.1157	-.0024	.0607	-.0002	.0110	.017
SDev	.017	.0100	.0006	.0022	.0000	.0117	.015
%RSD	1560.	-8.655	-25.43	3.601	.0000	106.2	90.7
#1	.020	-.1042	-.0030	.0620	-.0002	.0050	.023
#2	-.012	-.1207	-.0022	.0620	-.0002	.0245	.028
#3	-.005	-.1222	-.0018	.0582	-.0002	.0036	-.001

Elem	Tl3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	.0048	.0009	.0022
SDev	.0025	.0015	.0009
%RSD	53.30	170.9	38.36
#1	.0018	.0000	.0017

#2	.0064	.0027	.0017
#3	.0060	.0000	.0032

Method: MASTER1 Sample Name: 91130153 Operator: sc
Run Time: 05/15/91 12:20:17
Comment: RIDGEFIELD-DISSOLVED (Cr)
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2371	.009	-.015	.00609	.00048	.0791	-.0005
SDev	.0077	.008	.007	.00018	.00021	.0015	[illegible]
%RSD	3.239	88.5	-45.9	2.9272	42.835	1.843	-346.7
#1	.2434	.001	-.011	.00599	.00060	.0807	.0005
#2	.2393	.009	-.023	.00599	.00024	.0782	.0005
#3	.2286	.017	-.012	.00629	.00060	.0782	-.0025

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.830	7.44	.0002	-.0017	.0011	.1260	.098
SDev	.047	.06	.0011	.0025	.0003	.0008	.028
%RSD	.6913	.775	482.9	-149.6	25.67	.6361	28.7
#1	6.839	7.51	.0011	-.0014	.0012	.1268	.110
#2	6.779	7.41	.0006	.0007	.0012	.1252	.118
#3	6.872	7.41	-.0010	-.0043	.0008	.1260	.066

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.003	5.725	5.84	.0015	.0016	-.0003	.031
SDev	.007	.026	.04	.0004	.0025	.0020	.126
%RSD	-266.	.4600	.644	24.77	156.8	-624.8	404.
#1	.004	5.751	5.87	.0011	.0006	.0020	.166
#2	-.010	5.699	5.80	.0017	-.0002	-.0010	.010
#3	-.002	5.725	5.83	.0017	.0044	-.0020	-.083

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.017	10.85	-.0030	15.43	.0734	.0166	-.005
SDev	.014	.09	.0004	.11	.0004	.0104	.003
%RSD	79.0	.8416	-13.08	.6965	.4949	62.84	[illegible]
#1	.012	10.95	-.0030	15.49	.0753	.0285	-.006
#2	.033	10.78	-.0026	15.31	.0751	.0121	-.007
#3	.007	10.82	-.0034	15.49	.0758	.0091	-.002

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	.0078	.0022	.0105
SDev	.0008	.0008	.0007
%RSD	10.19	34.63	7.061
#1	.0074	.0027	.0105
#2	.0087	.0027	.0098
#3	.0074	.0013	.0113

Method: MASTER1 Sample Name: 91130155 Operator: sc
Run Time: 05/15/91 12:25:15
Comment: RIDGEFIELD-DISSOLVED (Cr)
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1[illegible]	[illegible]34	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1011	.010	-.027	.00590	.00013	[illegible]	.0005
SDev	.0020	.016	.010	.00017	.00021	.0039	.0015
%RSD	2.015	156.	-36.3	2.7434	160.68	4.307	300.0
#1	.1000	.001	[illegible]	.00600	.00025	.0860	.0020
#2	.1000	.029	-.037	.00570	-.00011	.0911	-.0010
#3	.1035	.001	-.028	.00600	.00025	.0936	.0005

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.716	7.15	-.0003	-.0021	.0009	.0573	-.070
SDev	.021	.04	.0003	.0019	.0003	.0012	.012
%RSD	.3190	.491	-105.4	-88.19	30.11	2.151	-17.8
#1	6.691	7.11	.0001	-.0007	.0013	.0583	-.058
#2	[illegible]	7.15	-.0005	-.0014	.0008	.0559	-.083
#3	6.730	7.18	-.0005	-.0043	.0008	.0575	-.069

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni[illegible]	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.006	5.549	5.57	.0024	.0028	-.0007	-.270
SDev	.010	.021	.03	.0000	.0008	.0063	.062
%RSD	165.	.3776	.536	.1850	27.16	-963.1	-23.1
#1	.007	5.526	5.54	.0024	.0028	-.0079	-.270
#2	.016	5.552	5.57	.0021	.0021	.0039	-.208
#3	-.004	5.567	5.60	.0024	.0036	.0020	-.333

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.030	10.13	-.0046	14.97	.0738	.0223	-.034
SDev	.008	.06	.0004	.03	.0001	.0098	.004
%RSD	[illegible]	.554	-8.574	.1953	.1912	43.83	-13.0
#1	.028	10.07	-.0050	14.94	.0736	.0323	-.037
#2	.023	10.14	-.0046	14.97	.0739	.0128	-.029
#3	.039	10.20	-.0042	15.00	.0739	.0217	-.036

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	.0083	.0058	.0100
SDev	.0000	.0008	.0004
%RSD	.0013	13.30	4.253
#1	.0083	.0053	.0105
#2	.0083	.0053	.0098
#3	.0083	.0067	.0098

Method: MASTER1 Sample Name: 2% hno3 Operator: sc
Run Time: 05/15/91 12:31:38
Comment: ccv
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0034	.000	-.006	.00001	.00036	.0026	.0020
SDev	.0024	.012	.004	.00018	.00021	.0029	.0030
%RSD	-70.03	218000.	-55.8	2563.5	57.141	113.5	150.1
#1	-.0013	-.003	-.003	-.00009	.00024	.0060	-.0010
#2	-.0060	-.011	-.007	-.00010	.00060	.0009	.0050
#3	-.0030	.013	-.010	.00021	.00024	.0009	.0020

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	-.012	-.0003	-.0019	-.0010	-.0008	-.086
SDev	.0008	.003	.0011	.0029	.0000	.0014	.015
%RSD	27.71	-29.9	-302.2	-151.9	-.2887	-173.7	-17.9
#1	.0037	-.008	.0007	-.0050	-.0010	.0000	-.094
#2	.0025	-.013	-.0014	-.0014	-.0010	-.0024	-.068
#3	.0022	-.014	-.0003	.0007	-.0010	.0000	-.096

Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.001	.0031	-.041	-.0002	.0008	-.0046	-.25
SDev	.009	.0006	.003	.0000	.0018	.0097	.04
%RSD	889.	19.99	-6.34	-4.409	233.1	-211.4	-14.4
#1	.008	.0038	-.038	-.0002	-.0013	.0020	-.270
#2	.005	.0031	-.042	-.0002	.0018	-.0157	-.270
#3	-.010	.0025	-.043	-.0002	.0018	.0000	-.208

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.008	-.1307	-.0032	.0032	-.0002	.0001	-.031
SDev	.017	.0009	.0006	.0027	.0000	.0199	.006
%RSD	206.	-.6609	-19.08	83.56	.0000	26530.	-18.9
#1	.024	-.1297	-.0030	.0023	-.0002	.0051	-.024
#2	.012	-.1312	-.0038	.0062	-.0002	.0170	-.034
#3	-.010	-.1312	-.0026	.0011	-.0002	-.0219	-.034

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	.0000	.0009	.0003
SDev	.000	.0015	.0007
%RSD	-101.8	171.6	292.9
#1	.0000	.0027	.0010
#2	.0000	.0000	.0003
#3	.0000	.0000	-.0005

Range	10.0	10.00		10.00	10.00	10.00	
Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.967	-.1281	-.0074	.0835	-.0004	.0096	1.02
SDev	.040	.0069	.0010	.0135	.0000	.0009	.03
%RSD	4.16	-5.369	-13.50	16.10	.0000	9.101	2.97
#1	.921	-.1206	-.0063	.0913	-.0004	.0106	1.06
#2	.998	-.1297	-.0075	.0913	-.0004	.0091	1.01
#3	.980	-.1341	-.0083	.0680	-.0004	.0091	.999
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value	1.00						1.00
Range	10.0						10.0

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	1.018	.9696	1.015
SDev	.003	.0020	.001
%RSD	.2488	.2101	.1106
#1	1.017	.9714	1.014
#2	1.021	.9701	1.016
#3	1.016	.9674	1.014
Errors	QC Pass	QC Pass	QC Pass
Value	1.000	1.000	1.000
Range	10.00	10.00	10.00

Method: MASTER1 Sample Name: 1 PPM QC 7 Operator: sc
Run Time: 05/15/91 13:48:26
Comment: 1 PPM CONTROL
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.053	-.007	.024	1.0113	.00108	.9945	.0030
SDev	.004	.018	.009	.0025	.00042	.0044	.0009
%RSD	.4165	-275.	35.2	.24689	38.474	.4446	28.78
#1	1.058	-.026	.031	1.0107	.00132	.9920	.0035
#2	1.050	-.003	.015	1.0141	.00132	.9996	.0035
#3	1.052	.009	.027	1.0092	.00060	.9920	.0020
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	1.000			1.0000			
Range	10.00			10.000			

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0058	-.017	.0005	-.0010	.0024	-.0021	-.125
SDev	.0006	.004	.0017	.0025	.0005	.0012	.022
%RSD	10.46	-24.0	332.7	-259.5	20.25	-58.52	-17.6
#1	.0065	-.012	.0017	-.0007	.0028	-.0008	-.118
#2	.0057	-.019	.0012	-.0036	.0024	-.0024	-.149
#3	.0053	-.019	-.0014	.0014	.0019	-.0032	-.107

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.005	-.0013	-.057	.0009	-.0021	-.0043	10.1
SDev	.008	.0000	.008	.0004	.0015	.0164	.1
%RSD	162.	-.0303	-14.0	43.39	-74.70	-384.4	.775
#1	.010	-.0013	-.048	.0011	-.0021	.0010	10.1
#2	.008	-.0013	-.060	.0011	-.0036	.0089	10.2
#3	-.004	-.0013	-.062	.0004	-.0005	-.0226	10.1

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value							10.0
Range							10.0
Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.004	.3845	0.6321	1.024	-.0004	-.0270	-.010
SDev	.013	.0091	.0152	.009	.0000	.0137	.021
%RSD	-370.	2.352	1.831	.9135	.0000	-50.83	-212.
#1	-.019	.3930	0.8467	1.034	-.0004	-.0150	.006
#2	.003	.3856	0.8332	1.021	-.0004	-.0419	-.002
#3	.005	.375	0.8163	1.016	-.0004	-.0240	-.034

Errors	NOCHECK	NOCHECK	QC Fail	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value			1.000	1.000			
Range			10.00	10.00			

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	.0018	.0022	.0022
SDev	.0032	.0008	.0004
%RSD	173.2	34.53	19.35
#1	.0055	.0027	.0025
#2	.0000	.0027	.0025
#3	.0000	.0013	.0017

Errors	NOCHECK	NOCHECK	NOCHECK
Value			
Range			

Method: MASTER1 Sample Name: [redacted] Operator: sc
Run Time: 05/15/91 14:15:59
Comment: 1 PPM ac 19 & 7 + 500 PPM AL, CA, MG AND 200 PPM FE
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	504.8	.818	1.13	.91713	.87759	.8366	.8647
SDev	4.7	.023	.04	.00520	.00384	.0038	.0121
%RSD	.9235	2.81	3.77	.56652	.43783	.4496	1.395

#1	500.1	.844	1.12	.91371	.87520	.8338	.8757
#2	504.8	.804	1.18	.91458	.87555	.8408	.8519
#3	509.4	.804	1.10	.92311	.88202	.8350	.8668
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	500.0	1.00	1.00	1.0000	1.0000		1.000
Range	10.00	20.0	20.0	20.000	20.000		20.00
Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	225.1	513.	.8485	.8187	.8810	174.8	196.
SDev	.1	.	.0023	.0011	.0084	.4	.
%RSD	.0289	.087	.2706	.1370	.9504	.2176	.161
#1	225.1	513.	.8460	.8197	.8739	174.6	195.
#2	225.1	513.	.8490	.8175	.8789	174.6	196.
#3	225.2	514.	.8505	.8188	.8902	175.2	196.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value		500.	1.000	1.000	1.000		200.
Range		10.0	20.00	20.00	20.00		20.0
Elem	Pb2202	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.798	266.2	484.	.8667	.8466	.8264	9.37
SDev	.008	.6	1.	.0021	.0020	.0085	.03
%RSD	.950	.2144	.159	.2423	.2378	1.026	.333
#1	.802	266.7	483.	.8652	.8489	.8339	9.37
#2	0.789	266.2	484.	.8659	.8451	.8172	9.40
#3	.802	265.6	485.	.8691	.8459	.8280	9.33
Errors	QC Fail	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.00		500.	1.000	1.000	1.000	10.0
Range	20.0		10.0	20.00	20.00	20.00	20.0
Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.14	.6070	1.115	.9566	.0103	.0138	.881
SDev	.05	.0072	.002	.0120	.0000	.0094	.082
%RSD	4.20	1.180	.1875	1.253	.0000	68.42	9.31
#1	1.19	.6102	1.114	.9648	.0103	.0149	.879
#2	1.13	.6121	1.117	.9429	.0103	.0039	.800
#3	1.10	.5988	1.113	.9621	.0103	.0226	.964
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	1.00		1.000	1.000			1.00
Range	20.0		20.00	20.00			20.0
Elem	Ti3349	V_2924	Zn2138				
Units	ppm	ppm	ppm				
Avge	.8951	.8380	.8885				
SDev	.0023	.0041	.0025				
%RSD	.2586	.4854	.2849				
#1	.8930	.8372	.8856				
#2	.8948	.8345	.8900				

#3	.8976	.8425	.8899
Errors	QC Pass	QC Pass	QC Pass
Value	1.000	1.000	1.000
Range	20.00	20.00	20.00

Method: MASTER1 Sample Name: INTER CHECK SAMPLE Operator: sc
Run Time: 05/15/91 14:26:40
Comment: 1 PPM ac 19 & 7 + 500 PPM AL, CA, MG AND 200 PPM FE
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	515.9	.842	1.14	.92703	.89004	.8518	.8659
SDev	4.7	.035	.12	.00956	.00612	.0094	.0063
%RSD	.9146	4.20	10.4	1.0310	.68791	1.101	.7244
#1	510.6	.820	1.08	.91878	.88417	.8603	.8608
#2	519.6	.883	Q1.28	.9375	.89638	.8418	.8729
#3	517.5	.824	1.07	.92480	.88956	.8534	.8639
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	500.0	1.00	1.00	1.0000	1.0000		1.000
Range	10.00	20.0	20.0	20.000	20.000		20.00

Elem	Ca3933	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	224.4	516.	.8538	.8227	.8959	176.0	198.
SDev	.3	3.	.0002	.0075	.0093	1.0	1.
%RSD	.1447	.494	.0178	.9065	1.040	.5472	.567
#1	224.1	514.	.8536	.8145	.8868	175.1	197.
#2	224.8	519.	.8538	.8292	.9054	177.0	199.
#3	224.3	516.	.8539	.8243	.8955	175.8	198.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value		500.	1.000	1.000	1.000		200.
Range		10.0	20.00	20.00	20.00		20.0

Elem	Pb2203	Mg2795	Mg3832	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.799	264.4	487.	.8725	.8551	.8178	9.19
SDev	.012	.1	3.	.0059	.0072	.0075	.12
%RSD	1.50	.0316	.621	.6719	.8382	.9185	1.29
#1	Q.799	264.4	484.	.8671	.8521	.8113	9.05
#2	Q.800	264.5	490.	.8787	.8633	.8260	9.27
#3	Q.779	264.3	487.	.8716	.8500	.8162	9.24
Errors	QC Fail	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.00		500.	1.000	1.000	1.000	10.0
Range	20.0		10.0	20.00	20.00	20.00	20.0

Elem	Se1960	Si2516	Ag3280	Na5889	Sr4215	Sn1899	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.19	.6167	1.122	.9604	.0103	.0043	.885
SDev	.05	.0022	.008	.0115	.0000	.0357	.154
%RSD	3.97	.3498	.7004	1.199	.0000	837.4	17.4

#1	1.14	.6167	1.113	.9472	.0103	.0455	Q.714
#2	1.19	.6146	1.125	.9653	.0103	-.0162	.928
#3	Q1.24	.6189	1.128	.9686	.0103	-.0165	1.01
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	1.00		1.000	1.000			1.00
Range	20.0		20.00	20.00			20.0

Elem	Ti3349	V_2924	Zn2138
Units	ppm	ppm	ppm
Avge	.9013	.8432	.9022
SDev	.0060	.0059	.0037
%RSD	.6691	.7005	.4097
#1	.8958	.8371	.8981
#2	.9077	.8488	.9053
#3	.9004	.8436	.9032
Errors	QC Pass	QC Pass	QC Pass
Value	1.000	1.000	1.000
Range	20.00	20.00	20.00