

Analysis Report QC Standard Sat 03-09-96 03:12:02 AM page 1

Method: CLPSUE Sample Name: ICSA Operator:
 Run Time: 03/09/96 03:06:44
 Comment: ICSA ICSA
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-.3847	570000.	2.081	.2591	531000.	-3.857	-1.376
SDev	.3444	776.	.050	.0178	98.	.378	.147
%RSD	89.52	.1362	2.381	6.886	.0185	9.809	10.69

#1	-.6283	570500.	2.116	.2465	530900.	-3.589	-1.272
#2	-.1412	569400.	2.046	.2717	531100.	-4.124	-1.480

Errors Value Range	NOCHECK	QC Pass 524200. 50.00	NOCHECK	NOCHECK	QC Pass 547900. 50.00	NOCHECK	NOCHECK
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Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	25.92	5.053	202400.	6.119	542700.	-18.23	-1.895
SDev	.20	.045	252.	11.30	288.	.06	.011
%RSD	.7792	.8946	.1246	184.7	.0532	.3175	.5662

#1	23.77	5.085	202300.	14.11	542500.	-18.25	-1.903
#2	26.06	5.021	202600.	-1.872	542900.	-18.33	-1.687

Errors Value Range	QC Pass 21.00 30.00	NOCHECK	QC Pass 190700. 50.00	NOCHECK	QC Pass 529800. 50.00	NOCHECK	NOCHECK
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Elem	Hg3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Sr1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	151.1	2.231	-3.380	-17.43	-21.66	1.957	-2.073
SDev	131.1	.507	5.090	.07	.29	1.945	3.863
%RSD	100.0	27.22	150.6	.4116	1.362	99.38	186.4

#1	237.3	2.660	-6.979	-17.54	-21.45	.5817	.6590
#2	44.22	1.602	.2194	-17.44	-21.87	3.332	-4.804

Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
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Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	2.225	-2.020	172.6	-83.26	-3.768	5.201	-9.220
SDev	3.208	2.762	1.2	2.33	1.523	5.569	4.884
%RSD	144.2	136.7	.6797	2.799	40.41	107.1	52.97

#1	4.493	-3.973	171.8	-84.91	-4.844	9.139	-5.766
#2	-.0435	-.0671	173.4	-81.61	-2.691	1.263	-12.67

Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
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Elem	19602	Sr1899	Ti3349	Ri2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avg	1.480	-3.136	-57.23	7.693
SDev	3.353	1.962	3.61	.487
%RSD	226.5	62.56	6.312	6.330
#1	3.851	-1.749	-54.68	8.037
#2	-.8906	-4.523	-59.79	7.348
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	771	1000	--	--	--	--	--
SDev	.9428810	.0000000	--	--	--	--	--
%RSD	.1225294	.0000000	--	--	--	--	--
#1	770	1000	--	--	--	--	--
#2	771	1000	--	--	--	--	--

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 Method: CLPSUE Sample Name: ICSAB Operator:
 Run Time: 03/09/96 03:12:08
 Comment: ICSAB ICSAB
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	1015.	579700.	542.4	519.3	547200.	961.7	536.8
SDev	2.	1407.	.9	.3	170.	1.6	.1
%RSD	.1772	.2427	.1583	.0628	.0311	.1617	.0139
#1	1013.	578700.	541.8	519.1	547300.	962.8	536.7
#2	1016.	580700.	543.0	519.5	547100.	960.6	536.8
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	524.4	347.9	207500.	15.35	558900.	475.5	1018.
SDev	.3	1.3	146.	6.77	1232.	.0	1.
%RSD	.0499	.2236	.0705	44.10	.2204	.0079	.0783
#1	524.2	347.0	207500.	20.13	558000.	475.5	1019.
#2	524.6	348.8	207400.	10.56	559800.	475.5	1018.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	307.0	191300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	
Elem	Na3302	Ni2318	Tl1905	V_2024	Zn2138	Pb2203	Sr1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	665.7	964.3	-2.768	504.0	1053.	5217.	3.210
SDev	157.5	.7	985	.5	1.	1.	3.969
%RSD	23.65	.0756	35.58	.1079	.1380	.0098	1647.
#1	777.1	965.0	-2.071	504.4	1054.	5218.	3.047
#2	554.4	964.0	-3.464	503.6	1052.	5217.	-2.565
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	10.44	-.9460	5445.	5103.	9.544	10.87	-3.998
SDev	.37	.6296	3.	1.	.845	.97	4.368
%RSD	3.504	66.56	.0625	.0183	8.852	8.926	109.3
#1	10.70	-.5008	5448.	5103.	8.946	11.56	-.9093
#2	10.18	-1.391	5443.	5104.	10.14	10.18	-7.086
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	2.241	1065.	959.4	1113.			
SDav	3.769	1.	5.5	1.			
SRSD	161.0	.0740	.5701	.1047			
#1	5.007	1066.	963.3	1112.			
#2	-.3240	1065.	955.5	1113.			
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK			
Value							
Range							
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	758	1000	--	--	--	--	--
SDav	1.414257	.0000000	--	--	--	--	--
SRSD	.1865517	.0000000	--	--	--	--	--
#1	757	1000	--	--	--	--	--
#2	759	1000	--	--	--	--	--

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QC Standard

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Method: CLPSUE

Sample Name: CRI

Operator:

Run Time: 03/09/96 03:17:33

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Re3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	12.72	170.4	.1374	10.21	125.5	10.82	104.0
SDev	.17	17.1	.0126	.01	14.7	.00	.1
SRSD	1.321	10.04	9.147	.0506	11.69	.0166	.1152
#1	12.60	182.5	.1285	10.22	135.9	10.82	103.9
#2	12.84	158.3	.1462	10.21	115.1	10.82	104.0
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	20.34	33.09	93.28	-9.200	192.9	30.65	43.24
SDev	.36	.03	12.10	2.011	14.5	.02	.30
SRSD	1.767	.0567	12.97	21.86	7.532	.0730	.6860
#1	20.60	33.37	101.8	-10.62	203.2	30.65	43.44
#2	20.09	33.11	64.72	-7.776	182.7	30.62	43.03
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		50.00				30.00	
Range		50.00				50.00	
Elem	Ni3302	Ni2316	711903	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-55.40	82.67	21.24	104.8	34.44	7.017	10.47
SDev	32.65	.00	.38	.2	.01	1.602	.28
SRSD	149.5	.0013	1.780	.1738	.0230	22.82	2.653
#1	-114.0	82.67	23.97	104.7	34.45	8.150	10.28
#2	3.184	82.67	21.50	104.9	34.44	5.835	10.67
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		80.00	20.00	100.0	40.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	124.2	19.87	6.684	7.169	125.2	123.7	12.26
SDev	1.2	2.51	2.209	1.298	1.5	1.1	4.20
SRSD	.9994	12.61	33.05	18.11	1.172	.9125	34.23
#1	123.3	21.64	8.245	8.087	124.1	122.9	15.22
#2	125.1	18.10	5.122	6.251	126.2	124.5	9.289
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	120.0	20.00					
Range	50.00	50.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avg	9.567	43.62	15.65	298.6
SD	2.511	1.51	.60	.4
SRSD	26.25	3.464	3.837	.1461
#1	7.792	42.55	15.23	298.3
#2	11.34	44.68	16.08	299.0

Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK
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IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	889	1000	--	--	--	--	--
SD	1.414257	.000000	--	--	--	--	--
SRSD	.1531118	.000000	--	--	--	--	--
#1	888	1000	--	--	--	--	--
#2	890	1000	--	--	--	--	--

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Method: CLPSUE

Sample Name: CCVA

Operator:

Run Time: 03/09/96

03:22:59

Comment: CCV CVS1

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	103.4	2090.	1023.	1018.	50020.	992.3	1012.
SDev	.1	20.	1.	1.	7.	1.3	1.
%RSD	.0813	.9351	.0764	.0674	.0132	.1293	.1287
#1	103.3	2076.	1024.	1019.	50020.	991.4	1013.
#2	103.4	2103.	1023.	1018.	50030.	993.2	1011.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	996.3	1045.	2034.	46630.	50510.	996.3	1024.
SDev	.7	2.	9.	52.	10.	.7	1.
%RSD	.0749	.1721	.4343	.1066	.0201	.0681	.0599
#1	996.8	1044.	2026.	46790.	50520.	996.6	1023.
#2	995.8	1046.	2041.	46670.	50510.	995.6	1024.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Na3302	Ni2316	Tl1906	V_2924	Zn2133	Pb2203	Sr1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	50140.	997.2	1063.	1021.	1023.	1025.	1052.
SDev	10.	1.	1.	1.	1.	1.	2.
%RSD	.0206	.0102	.0521	.0121	.0034	.0585	.1448
#1	50130.	997.2	1064.	1021.	1023.	1024.	1053.
#2	50150.	997.3	1063.	1021.	1023.	1025.	1051.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1032.	1045.	1027.	1024.	1030.	1034.	1055.
SDev	1.	2.	1.	1.	2.	1.	1.
%RSD	.0249	.2255	.0455	.0650	.1527	.1132	.0019
#1	1032.	1047.	1027.	1023.	1031.	1033.	1055.
#2	1033.	1043.	1027.	1024.	1029.	1035.	1055.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					
Elem	19602	Sr1899	Tl3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avg	1050.	1028.	999.3	1041.
SDav	2.	1.	1.9	5.
SRSD	.2165	.0557	.1949	.4330
#1	1052.	1029.	1001.	1038.
#2	1048.	1028.	997.9	1044.
Errors Value Range	NOCHECK	QC Pass 1000. 10.50	QC Pass 1000. 10.50	QC Pass 1000. 10.50

IntStd Mode Elem Wavlen Avg SDev SRSD	1	2	3	4	5	6	7
	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
	Y	--	--	--	--	--	--
	371.030	--	--	--	--	--	--
	877	1000	--	--	--	--	--
	.8014510	.0000000	--	--	--	--	--
	.0913497	.0000000	--	--	--	--	--
#1	877	1000	--	--	--	--	--
#2	878	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCBA Operator:
 Run Time: 03/09/96 03:28:25
 Comment: CCB
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-.0891	-18.88	.3724	.0483	-30.00	.4757	.4598
SDev	.1260	5.02	.0079	.0136	1.04	.0539	.0063
%RSD	141.4	26.57	2.120	28.11	3.451	11.33	1.375

#1	-.0000	-15.33	.3668	.0387	-29.27	.4376	.4553
#2	-.1782	-22.42	.3780	.0579	-30.74	.5138	.4642

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Hg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.1628	.5509	7.581	3.356	34.00	.3852	.4465
SDev	.1275	.2697	.694	10.29	1.99	.0740	.5333
%RSD	75.25	48.95	9.152	306.7	5.849	19.21	119.5

#1	.2494	.3602	7.090	10.63	32.59	.3329	.8236
#2	.0762	.7416	6.071	-3.921	35.40	.4375	.0694

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Ni3302	Ni2316	Ti1308	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-49.29	.0922	1.827	.2542	-4.138	.3687	1.085
SDev	161.60	.0865	2.227	.1710	.001	.0934	.546
%RSD	162.6	93.85	121.9	67.28	.0303	25.34	50.33

#1	15.02	.1533	3.402	.3751	-4.138	.3026	1.472
#2	-213.6	.0310	.2526	.1332	-4.139	.4347	.6991

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.3830	.4870	-.7576	.9177	1.235	-.0555	.1356
SDev	.9763	1.073	.0131	.1466	2.080	2.5023	3.549
%RSD	255.0	220.3	1.726	15.98	168.5	4509.	2617.

#1	1.073	1.246	-.7483	.8141	-.2362	1.714	2.645
#2	-.3074	-.2717	-.7668	1.021	2.706	-1.825	-2.374

Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sr1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avg	1.546	.4016	-4.451	-.6190
SDav	.953	1.174	4.869	.4702
\$RSD	61.61	292.2	109.4	75.96

#1	.8727	-.4283	-1.009	-.9514
#2	2.220	1.232	-7.894	-.2865

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	908	1000	--	--	--	--	--
SDAV	2.310003	.0000000	--	--	--	--	--
\$RSD	.2543842	.0000000	--	--	--	--	--
#1	906	1000	--	--	--	--	--
#2	910	1000	--	--	--	--	--

Trace ICP Runlog (P3)

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Date: 3/9/96

Method (Circle one.):

CLP 200.7
SW-846 6010

Operator C. Y. ...
Case Name: 31420903, 32031/1
File Name: C140309
WSLNAME: P330953

#	Sample ID	Comments	Action Needed	#	Sample ID	Comments	Action Needed
	ICV			1	788063		
	ICB			2	ICSA		
	ICSAI			3	ICSAB		
	ICSABI			4	EEI		
	P3CRII			5	cev		
	CCV			6	CCB		
	CCB			7			
1	788039	SOT 1:5		8			
2	788041			9			
3	788043			10			
4	788044				CCV		
5	788045				CCB		
6	788046			1	788512	PB ⁵ 788512	
7	788050			2	783746	LESS	
8	788056			3	783746	LESS 1:5	
9	788057			4	783743		
10	788058			5	783745	dup	
	CCV			6	783744	sp.	
	CCB			7	SOT 783743 1:5		
				8	783747		
				9	783748		
				10	783749		
					CCV		
					CCB		

COMMENTS:

Reviewed by: [Signature]

Date: 3/11/96

Trace ICP Runlog (P3)

Page 2 of 2

Date: 3/9/96

Method (Circle one.):

CLP 200.7
SW-846 6010

Operator C. Yardell
Case Name: SAME
File Name: _____
WSL NAME: _____

#	Sample ID	Comments	Action Needed	#	Sample ID	Comments	Action Needed
	ICV			1			
	ICB			2			
	ICSAI			3			
	ICSABI	<u>03/19/96</u>		4			
	P3CR11			5			
	CCV			6			
	CCB			7			
1	13743	POS S6E 190		8			
2	ICSA			9			
3	ICSAB			10			
4	CR I				CCV		
5					CCB	<u>03/19/96</u>	
6				1			
7				2			
8		<u>03/19/96</u>		3			
9				4			
10				5			
	CCV			6			
	CCB			7			
				8			
				9			
				10			
					CCV		
					CCB		

COMMENTS:

Reviewed by: [Signature]

Date: 3/10/96

Standards/QC Preparation for ICAP P3 1 of 6

Item to be prepared	Preparation Instructions*	Prepared by	Date
Standard blank (SO, ICB, CCS)	Place in a 200-ml volumetric flask: • 100 ml of deionized water • 2.0 ml of concentrated HNO ₃ (Baker Instru-analyzed Trace Metals grade, Refit: <u>7M2-202-15</u>) • 20 ml of 1:1 HCl (Baker Instru-analyzed Trace Metals grade, Refit: <u>7M2-201-12</u>) Bring up to volume with deionized water. Prepare daily.	98	3/19/96
Standard XCL-11 (S)	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 1.0 ml of concentrated HNO ₃ (Baker Instru-analyzed Trace Metals grade, Refit: <u>7M2-202-15</u>) • Pipet 0.2 ml XCL-11 (Refit: <u>7M2-17-15</u>) into flask. • Add 10 ml of 1:1 HCl (Baker Instru-analyzed Trace Metals grade, Refit: <u>7M2-201-12</u>) Bring up to volume with deionized water. Prepare daily.	98	3/19/96
Standard XCL-2 (S)	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 1.0 ml of concentrated HNO ₃ (Baker Instru-analyzed Trace Metals grade, Refit: <u>7M2-202-15</u>) • 10 ml of 1:1 HCl (Baker Instru-analyzed Trace Metals grade, Refit: <u>7M2-201-12</u>) • Pipet 0.2 ml of XCL-2 (Refit: <u>7M2-17-16</u>) into flask. Bring up to volume with deionized water. Prepare daily.	98	3/19/96
Standard XCL-3A	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 1.0 ml of concentrated HNO ₃ (Baker Instru-analyzed Trace Metals grade, Refit: <u>7M2-202-15</u>) • 10 ml of 1:1 HCl (Baker Instru-analyzed Trace Metals grade, Refit: <u>7M2-201-12</u>) • Pipet 1.0 ml XCL-3A (Refit: <u>7M2-20-16</u>) into flask. • Bring up to volume with deionized water. Prepare daily.	98	3/19/96

*1.0 ml of yttrium (Refit: 7M2-200-10) / 100 ml was added to each solution as internal standard.

Reviewed by [Signature] Date: 3/19/96

Name (to be prepared)	Preparation Instructions	Prepared by	Date
Standard PL882-2X (8)	<p>Place in a 100-ml volumetric flask:</p> <ul style="list-style-type: none"> • 50 ml of deionized water • 1.0 ml of concentrated HNO₃ (Baker Instra-analyzed Trace Metals grade, Ref#: 7m2-202-15) • 0.2 ml of Sn (Ref#: 7m2-197-7) • 0.2 ml of Bi (Ref#: 7m2-200-1) • 0.2 ml of Tl (Ref#: 7m2-199-5) • 0.2 ml of Zr (Ref#: NR) • 0.2 ml of Sb (Ref#: 7m2-198-2) • 10 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: 7m2-201-12) <p>Bring up to volume with deionized water. Prepare daily.</p>	<p>gjk AKZ BCHK</p>	<p>2/1/76 2/18/76 2/19/76</p>
Standard STD3	<p>Place in a 100-ml volumetric flask:</p> <ul style="list-style-type: none"> • 50 ml of deionized water • 1.0 ml of concentrated HNO₃ (Baker Instra-analyzed Trace Metals grade, Ref#: 7m2-202-15) • 10 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: 7m2-201-12) • 1.0 ml of 10,000-ppm Al standard (Ref#: 7m2-201-4) • 0.5 ml of 10,000-ppm Fe standard (Ref#: 7m2-201-6) • 1.0 ml of 10,000-ppm Mg standard (Ref#: 7m2-201-7) • 1.0 ml of 10,000-ppm Ca standard (Ref#: 7m2-201-5) <p>Bring up to volume with deionized water. Prepare daily.</p>	<p>gjk</p>	<p>3/9/76</p>

*1.0 ml of yttrium (Ref#: 7m2-100-10) / 100 ml was added to each solution as internal standard.

Reviewed by: BCHK Date: 2/1/76

Sample ID	Preparation Instructions	Prepared by	Date
CVS1	<p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> 100 ml of deionized water 2.0 ml of concentrated HNO₃ (Baker Instru-analyzed Trace Metals grade, Ref#: <u>7M2-202-15</u>) 20 ml of 1:1 HCl (Baker Instru-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u>) 0.2 ml of Sb (Ref#: <u>7M2-171-2</u>) 0.2 ml of Sn (Ref#: <u>7M2-171-1</u>) 0.2 ml of Bi (Ref#: <u>7M2-201-1</u>) 0.2 ml of Tl (Ref#: <u>7M2-171-15</u>) 0.02 ml of Al (Ref#: <u>7M2-201-1</u>) 0.02 ml of Fe (Ref#: <u>7M2-201-1</u>) Pipet 0.2 ml of XCL-2 (Ref#: <u>7M2-171-16</u>) into flask. Pipet 0.2 ml of XCL-11 (Ref#: <u>7M2-171-15</u>) into flask. Pipet 1.0 ml of XCL-3A (Ref#: <u>7M2-171-14</u>) into flask. <p>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.</p>	AKL	3/8/96
CV1	<p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> 100 ml of deionized water 2.0 ml of concentrated HNO₃ (Baker Instru-analyzed Trace Metals grade, Ref#: <u>7M2-202-15</u>) 20 ml of 1:1 HCl (Baker Instru-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u>) Pipet 20.0 ml of ICV1 (Ref#: <u>7M2-192-3</u>) into flask. <p>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.</p>	AKL	3/8/96
CV3	<p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> 100 ml of deionized water 2.0 ml of concentrated HNO₃ (Baker Instru-analyzed Trace Metals grade, Ref#: <u>7M2-202-15</u>) 20 ml of 1:1 HCl (Baker Instru-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u>) Pipet: <ul style="list-style-type: none"> 20.0 ml of ICV3 (Ref#: <u>7M2-192-3</u>) 20.0 ml of ICV2 (Ref#: <u>7M2-192-1</u>) and 20.0 ml of ICV4 (Ref#: <u>7M2-192-1</u>) into flask. <p>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.</p>	AKL	3/7/96

Reviewed by: [Signature] Date: 3/11/96

BOOK 10000 13

1910

Name of test prepared	Preparation instructions	Prepared by	Date
SPEXAS solution	<p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> • 100 ml of deionized water • 2.0 ml of concentrated HNO₃ (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-11</u>) • 20 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u>) • Pipet 0.2 ml of Sn (Ref#: <u>7M2-197-2</u>) into flask. • Pipet 0.2 ml of Bi (Ref#: <u>7M2-197-10</u>) into flask. • Pipet 0.2 ml of Tl (Ref#: <u>7M2-197-8</u>) into flask. • Pipet 0.2 ml of Mo (Ref#: <u>7M2-184-2</u>) into flask. <p>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.</p>	AKL	3/5/96
Intercheck Solution A (ICSA)	<p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> • 100 ml of deionized water • 2.0 ml of concentrated HNO₃ (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-102-15</u>) • 20 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u>) • Pipet 20.0 ml ICSA (Ref#: <u>7M2-202-6</u>) into flask. <p>Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle.</p>	DMH	2/16/96
Intercheck Solution AB (ICBAB)	<p>Place in a 200-ml volumetric flask:</p> <ul style="list-style-type: none"> • 50 ml of deionized water • 1.0 ml of concentrated HNO₃ (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-11</u>) • 10 ml of 1:1 HCl (Baker Instra-analyzed Trace Metals grade, Ref#: <u>7M2-201-12</u>) • Pipet 20.0 ml ICSA (Ref#: <u>7M2-202-6</u>) into flask. • Pipet 20.0 ml ICBSB (Ref#: <u>7M2-202-7</u>) into flask. <p>Pipet:</p> <ul style="list-style-type: none"> • <u>0.2</u> ml Bi 1000 standard (Ref#: <u>7M2-20-1</u>) into flask. • <u>0.2</u> ml Sn 1000 standard (Ref#: <u>7M2-17-1</u>) into flask. • <u>0.2</u> ml Tl 1000 standard (Ref#: <u>7M2-17-18</u>) into flask. • <u>0.2</u> ml Mo 1000 standard (Ref#: <u>7M2-16-18</u>) into flask. <p>Bring up to volume with deionized water.</p>	AKL	3/5/96

1.0 ml of yttrium (Ref#: 7M2-200-10) / 100 ml was added to each solution as an internal standard.

Prepared by: [Signature] Date: 3/4/96

AR319433

Item to be prepared	Preparation instructions	Prepared by	Date
<p>CrI Solution</p>	<p>Preparation instructions: Place in a 200-ml volumetric flask: • 100 ml of deionized water • 2.0 ml of concentrated HNO₃ (Baker Instru-analyzed Trace Metals grade, Refit: <u>MM2-202-15</u>) • 20 ml of 1:1 HCl (Baker Instru-analyzed Trace Metals grade, Refit: <u>MM2-201-12</u>) Pipet: • 0.20 CRDL-1 (Refit: <u>MM2-197-5</u>) into flask. • 0.02 ml Bi 1000 standard (Refit: <u>MM2-107</u>) into flask. • 0.02 ml Sn 1000 standard (Refit: <u>MM2-117</u>) into flask. • 0.02 ml Mo 1000 standard (Refit: <u>MM2-127</u>) into flask. • 0.02 ml Li 1000 standard (Refit: <u>NR</u>) into flask. • 0.02 ml Ti 1000 standard (Refit: <u>MM2-137</u>) into flask. • 0.02 ml Al 1000 standard (Refit: <u>NR</u>) into flask. • 0.02 ml As 1000 standard (Refit: <u>NR</u>) into flask. Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.</p>	<p>AKL</p>	<p>3/7/96</p>
<p>Disolved Metals only: LCS</p>	<p>Add 1.0 ml of LCSW solution (Refit: <u>NR</u>) to 9.0 ml of acidified water (1% HNO₃ [Baker Instru-analyzed Trace Metals grade, Refit: <u>NR</u>] + 5% HCl [Baker Instru-analyzed Trace Metals grade, Refit: <u>NR</u>]).</p>	<p>NR</p>	<p>NR</p>
<p>Prep Blank</p>	<p>Use acidified water (1% HNO₃ [Baker Instru-analyzed Trace Metals grade, Refit: <u>NR</u>] + 5% HCl [Baker Instru-analyzed Trace Metals grade, Refit: <u>NR</u>]).</p>	<p>NR</p>	<p>NR</p>
<p>Sample Spike</p>	<p>Add 0.1 ml of XCL-19 (Refit: <u>NR</u>) to 10.0 ml of sample.</p>	<p>NR</p>	<p>NR</p>

1.0 ml of yttrium (Refit: MM2-200-10) / 100 ml was added to each solution as an internal standard

Reviewed by ES Date: 3/10/96

Standardization Rpt.

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page :

Method: CLPSUB

Standard: BLANK

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Avg	-.0215	7.843	.0981	1.113	.0614	-.0649	.0011
SD	.0092	.030	.0065	.003	.0009	.0487	.0143
SRSD	42.76	.3787	6.672	.2598	1.467	75.14	1287.
#1	-.0280	7.822	.1027	1.111	.0621	-.0993	-.0090
#2	-.0150	7.864	.0934	1.115	.0608	-.0304	.0113
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Avg	.0096	.4260	-.0113	.3049	.0147	.0017	.0180
SD	.0040	.0014	.0032	.0029	.0016	.0008	.0350
SRSD	41.75	.3320	28.12	.9543	11.05	46.99	194.6
#1	.0124	.4250	-.0090	.3070	.0158	.0011	-.0068
#2	.0068	.4270	-.0135	.3029	.0135	.0023	.0428
Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	As1890	Zr2031
Avg	.0462	-.0090	-.1882	-.0017	.0045	-.2123	1.378
SD	.0128	.0048	.0220	.0008	.0000	.1758	.129
SRSD	27.76	52.89	11.69	46.99	.1701	82.79	12.09
#1	.0553	-.0056	-.1727	-.0011	.0045	-.0880	1.169
#2	.0372	-.0124	-.2038	-.0023	.0045	-.3366	.9863
Elem	Zn2032	Zr20681	Zr20682	Zr19601	Zr19602	Zr1899	Ti2349
Avg	-.0540	-.1383	-.0006	-.2530	.4948	.0124	-.3771
SD	.1131	.2545	.0933	.0275	.0852	.0239	.0914
SRSD	209.4	164.0	14510.	10.85	17.23	192.7	.3814
#1	.0260	-.3183	-.0656	-.2336	.4345	.0293	-.3791
#2	-.1340	.0117	.0653	-.2725	.5551	-.0045	-.3761
Elem	Di2230						
Avg	.0778						
SD	.0512						
SRSD	65.72						
#1	.1140						
#2	.0417						

AR319435

Standardization Rpt.

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page 2

	1	2	3	4	5	6	7
IntStd	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Mode	Y	--	--	--	--	--	--
Elem	371.030	--	--	--	--	--	--
Wavlen	887	1000	--	--	--	--	--
Avge	1.508558	.0000000	--	--	--	--	--
SDev	.1700529	.0000000	--	--	--	--	--
%RSD							
#1	886	1000	--	--	--	--	--
#2	888	1000	--	--	--	--	--

AR319436

Standardization Rpt.

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page 1

Method: CLPSUE

Standard: XCL-11

Elem	Ag3280	Cd2265	Cr2677	Cu3247	Ni2316	Tl1908	Zn2139
Avg	17.48	1107.	39.28	96.85	36.91	51.29	27.89
SDev	.02	.	.12	.06	.05	.07	.05
%RSD	.1092	.0319	.2931	.0635	.1472	.1384	.1960
#1	17.46	1107.	39.20	96.90	36.97	51.24	27.84
#2	17.49	1107.	39.36	96.81	36.95	51.34	27.92

Elem	22031	22032	19601	19602
Avg	375.1	242.1	50.13	95.36
SDev	1.1	1.1	.06	.45
%RSD	.3027	.4398	.1232	.4716
#1	375.2	241.4	50.09	95.68
#2	376.9	242.9	50.18	95.04

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Ag	---	---	---	---	---	---
Wavlen	371.020	---	---	---	---	---	---
Avg	900	1000	---	---	---	---	---
SDev	.1885031	.0000000	---	---	---	---	---
%RSD	.0209563	.0000000	---	---	---	---	---
#1	900	1000	---	---	---	---	---
#2	900	1000	---	---	---	---	---

Standardization Rpt.

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page 1

Method: CLPSUE Standard: STD3

Elem	Al3082	Ca3179	Fe2714	Mg2790
Avg	1368.	226.9	56.08	224.7
SDev	1.	.2	.04	.1
%RSD	.0641	.0805	.0649	.0347

#1	1369.	227.0	56.05	224.8
#2	1368.	226.8	56.11	224.7

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	869	1000	--	--	--	--	--
SDev	.8485799	.0000000	--	--	--	--	--
%RSD	.0977428	.0000000	--	--	--	--	--
#1	869	1000	--	--	--	--	--
#2	869	1000	--	--	--	--	--

Standardization Rpt.

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page 1

Method: CLPSUE

Standard: XCL-2

Elem	Ba4934	Be3130	Co2286	Mn2576	Mo2020	V_2924	As1890
Avge	481.6	1345.	188.4	61.80	215.7	18.17	188.5
SDev	.4	3.	.1	.08	.2	.02	.4
%RSD	.0916	.2311	.0578	.1281	.1104	.1039	.2129
#1	481.9	1343.	188.4	61.74	215.5	18.16	188.3
#2	481.3	1347.	188.5	61.85	215.9	18.19	188.8
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	897	1000	--	--	--	--	--
SDev	.2357310	.0000000	--	--	--	--	--
%RSD	.0262894	.0000000	--	--	--	--	--
#1	897	1000	--	--	--	--	--
#2	897	1000	--	--	--	--	--

AR319439

Standardization Rpt.

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page 1

Method: CLPSUE

Standard: XCL-3A

Elem	K_7664	Na3302
Avge	1227.	41.61
SDev	1.	.01
%RSD	.1046	.0286

#1	1228.	41.62
#2	1226.	41.60

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	848	1000	--	--	--	--	--
SDev	.8957089	.0000000	--	--	--	--	--
%RSD	.1055751	.0000000	--	--	--	--	--
#1	849	1000	--	--	--	--	--
#2	848	1000	--	--	--	--	--

AR319440

Standardization Rpt.

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page 1

Method: CLPSUE

Standard: PLSBR

Elem	20681	20682	Sn1899	T13349	B12230		
Avge	232.8	111.2	26.37	133.6	234.8		
SDav	.3	.2	.12	.3	.1		
SRSD	.1115	.1419	.4631	.2116	.0222		
#1	232.6	111.3	26.46	133.8	234.9		
#2	239.0	111.1	26.29	133.4	234.8		
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	900	1000	--	--	--	--	--
SDav	4.195684	.0000000	--	--	--	--	--
SRSD	.4651120	.0000000	--	--	--	--	--
#1	897	1000	--	--	--	--	--
#2	902	1000	--	--	--	--	--

AR319441

Analysis Report QC Standard Sat 03-09-96 02:20:36 PM page 1

Method: CLPSUR Sample Name: ICV1 Operator:
 Run Time: 03/09/96 14:15:16
 Comment: ICV ICV1
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	497.4	2029.	2043.	499.0	51620.	506.9	554.5
SDev	1.1	2.		.4	18.	.3	.5
SRSD	.2275	.0968	.0164	.0710	.0350	.0545	.0934
#1	496.6	2027.	2043.	499.2	51630.	507.1	554.8
#2	498.2	2030.	2043.	498.7	51610.	506.7	554.1
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	487.0	1956.	2009.	476.0	50710.	510.0	520.0
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Cu2677	Cu3247	Fe2714	K 7864	Mg2750	Mn2576	Ni2000
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	488.2	510.3	2069.	48950.	24950.	494.0	12557
SDev	1.0	0	5.	16.	5.	4	14438
SRSD	.0057	.1724	.2259	.1355	.0187	.0884	786.5
#1	488.1	509.7	2072.	48900.	24960.	494.3	-1.2581
#2	488.2	510.3	2068.	48990.	24950.	493.7	13696
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	471.0	497.0	1985.	48800.	24890.	491.0	
Range	10.50	10.50	10.50	10.50	10.50	10.50	
Elem	Ni2302	Ni2319	Pb1903	V 2924	Zn2139	Pb2200	Co1989
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	50410.	49916.	5036.	518.4	5157.	5206.	-2.678
SDev	32.	1	1.025	.2	2.	2.	3.414
SRSD	.0676	.0221	799.7	.0353	.0756	.0360	114.6
#1	50430.	499.7	3.352	518.3	5156.	5207.	-1.8841
#2	50390.	499.5	-2.244	519.5	5139.	5205.	-1.392
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	48790.	497.0		492.0	5012.		
Range	10.50	10.50		10.50	10.50		
Elem	Sb2068	As1890	Zn2031	Zn2032	Zn2681	Zn2682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	4.210	.6862	5208.	5205.	2.597	5.002	-1.6614
SDev	.013	.3041	5.		.522	.241	.0443
SRSD	.3056	44.32	.1011	.0034	20.11	4.828	5.140
#1	4.219	.4711	5211.	5205.	2.966	4.631	-1.6300
#2	4.201	.9012	5204.	5205.	2.228	5.175	-1.6927
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	-4.049	-.6502	-1.050	.1962
SDev	5.096	2.8236	.052	.5295
%RSD	125.9	434.3	4.922	269.9
#1	-.4452	-2.647	-1.013	.5706
#2	-7.652	1.246	-1.086	-.1782
Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	371	1000	--	--	--	--	--
SDev	1.649988	.0000000	--	--	--	--	--
%RSD	.1294625	.0000000	--	--	--	--	--
#1	370	1000	--	--	--	--	--
#2	372	1000	--	--	--	--	--

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QC Standard

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Method: CLPSUE Sample Name: ICV3
 Run Time: 03/09/96 14:20:41
 Comment: ICV ICV3
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2266
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	100.2	-4.073	.6416	.2718	-36.26	99.99	-0.0934
SDev	.1	4.475	.0381	.0376	.06	.10	.0394
SRSD	.0726	109.9	5.942	13.85	.1607	.0391	42.15
#1	100.2	-.9084	.6686	.2984	-36.31	99.92	-.1213
#2	100.3	-7.237	.6147	.2452	-36.22	100.1	-.0656

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fa2714	Zn2864	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.7926	.1246	9.062	271.5	6.154	.2703	.0612
SDev	.0833	.0073	0.611	1.5	.333	.0003	.0201
SRSD	0.074	0.017	0.067	0.0054	4.083	.1266	359.6

#1	.5924	.1670	9.074	270.6	6.389	.2700	-.0945
#2	.9931	.0626	10.05	272.7	5.916	.2703	.2166

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ni3302	Ni2616	Ti1908	V2924	Zn2136	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	321.0	.3356	102.3	-.0660	-3.004	103.6	36.92
SDev	157.9	.5960	4.7	.0007	.035	.3	1.77
SRSD	49.16	62.36	4.573	1.061	3.156	.2433	1.827

#1	209.4	1.377	99.19	-.0655	-2.937	103.4	95.16
#2	432.7	.5343	105.6	-.0663	-3.071	103.6	95.67

Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			93.90			96.80	101.4
Range			10.50			10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1034.	99.95	106.5	102.2	1021.	1041.	97.21
SDev	3.	.65	1.0	.9	3.	4.	2.84
SRSD	.3319	.6463	.9016	.8426	.2822	.3562	2.924

#1	1032.	99.49	107.2	101.6	1019.	1038.	99.22
#2	1037.	100.4	105.8	102.8	1023.	1044.	95.20

Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	970.0	101.8					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	96.77	-1.257	5.798	3.024
SDev	1.24	.484	1.864	3.602
\$RSD	1.277	32.49	32.15	119.1

#1	97.64	-1.600	4.480	4.771
#2	95.90	-1.9152	7.116	5.572

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waylen	371.030	--	--	--	--	--	--
Avge	895	1000	--	--	--	--	--
SDev	1.264311	1.000000	--	--	--	--	--
\$RSD	1.211776	1.000000	--	--	--	--	--
#1	895	1000	--	--	--	--	--
#2	895	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: SPEXASSE Operator:
 Run Time: 03/09/96 14:26:05
 Comment: TCV SPEXASSE
 Mode: CONC Corr. Factor: 1

Elem	Ag3230	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2266
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	4400	-7.356	3043	.0480	-47.82	-4482	.5513
SDev	1293	1.914	0211	.0133	.68	.0712	.0793
RRSD	29.39	26.01	6.921	27.73	1.414	15.88	14.35

#1	.3486	-8.709	.3191	.0386	-47.34	-4.4986	.5874
#2	.5314	-6.003	.2894	.0574	-48.30	-3.3979	.4752

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2577	Cu3247	Fe2714	K_7564	Mg2790	Mn2575	Ni2570
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	3.800	3362	40.10	14.34	3.709	.6325	1.830
SDev	.033	.2156	.76	1.94	1.742	.0499	.030
RRSD	3353	60.25	1.899	13.55	46.37	7.832	1755

#1	3.777	1.1927	40.63	15.72	2.477	.5972	1.032
#2	3.823	4.837	33.56	12.97	4.942	1.278	1.229

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	25 Pass
Value							1000
Range							1010

Elem	Na3202	Ni7316	Pb1908	V_2924	Zn3138	Zn2703	Zn1902
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	532.9	167.4	-1.2401	-1.557	-1.237	-1.3379	-1.635
SDev	52.1	.1	2.0105	1.182	.055	.1304	1.089
RRSD	6.693	.0465	337.3	3.999	4.371	33.50	60.05

#1	535.7	167.5	-1.652	-4.085	-1.218	-1.4201	-1.3717
#2	562.1	167.4	1.161	-4.428	-1.296	-1.2456	-2.399

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	Zr2031	Zr2032	Zn631	Zn682	Zn1901
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	6.501	.5969	-.9113	-.0650	10.48	4.500	-1.161
SDev	.914	1.306	.3501	.0208	.74	1.004	3.278
RRSD	14.07	218.7	38.42	31.97	7.022	22.30	277.5

#1	5.855	1.520	-1.159	-.0797	9.963	3.790	1.137
#2	7.148	-.3262	-.6637	-.0503	11.00	5.209	-3.500

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	-1.876	999.3	1017.	1019.			
SDev	.017	3.8		1.			
SRSD	.9257	.3820	.0198	.1061			
#1	-1.888	1002.	1017.	1018.			
#2	-1.863	996.6	1017.	1020.			
Errors	NOCHECK	QC Pass	QC Pass	QC Pass			
Value		1000.	1000.	1000.			
Range		10.50	10.50	10.50			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	893	1000	--	--	--	--	--
SDev	1.649988	.0000000	--	--	--	--	--
SRSD	.1247233	.0000000	--	--	--	--	--
#1	893	1000	--	--	--	--	--
#2	894	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: SC
 Run Time: 03/09/96 14:31:28
 Comment: ICB
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Ba3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1428	-1.077	.0933	.1052	-57.04	-.2907	-.1598
SDev	.0323	.658	.0503	.0006	.96	.0970	.1659
SRSD	22.64	79.68	53.85	.6155	1.682	33.38	103.8
#1	.1200	-.4702	.1288	.1057	-56.37	-.2220	-.2771
#2	.1657	-1.684	.0378	.1047	-57.72	-.3593	-.0425
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00
Elem	Cr2677	Cu3247	Fa2714	Hg7184	Hg2799	Mn2576	Mo2070
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.110	-.1243	37.53	13.67	-.0162	.6159	.5977
SDev	.424	.0981	.76	5.17	.7171	.0268	.1998
SRSD	1.671	70.68	2.033	37.30	434.7	1.344	53.41
#1	5.460	-.0620	38.37	17.33	.4909	.6348	.7399
#2	4.761	-1.188	36.99	10.01	-1.0233	.5970	.4563
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	
Elem	Ni3302	Ni2316	Ti1903	V12924	Zn2135	Zn2793	Zn1160
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	187.0	2472.3	-10015	.1202	-5.481	-1.3697	-1.133
SDev	22.9	10.9	10784	0.000	.009	.3122	.1289
SRSD	12.27	4.003	77.16	73.47	2.848	84.60	34.35
#1	203.2	2230.0	-.4612	.1577	-3.417	-1.1482	-1.881
#2	170.8	2264.6	-1.569	.1826	-3.551	-1.5838	-1.066
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4270	.5318	.3573	-.7451	-.3105	.7826	.3638
SDev	.1848	1.003	.5143	.7248	.2628	.1446	3.352
SRSD	43.27	188.6	144.0	97.28	84.62	18.48	921.5
#1	.5576	-.1773	-.0064	-.2320	-.1247	.8848	2.734
#2	.2963	1.241	.7210	-1.258	-.4964	.6804	-2.007
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	-2.346	-1.515	4.527	.3133
SDav	.504	2.526	2.437	.9434
SRSD	21.50	166.7	53.82	301.1
#1	-2.702	.2707	6.251	.9804
#2	-1.989	-3.302	2.804	-.3538

Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK
--------------------	---------	---------	---------	---------

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waylen	371.039	--	--	--	--	--	--
Avge	892	1000	--	--	--	--	--
SDav	1.506681	.0000000	--	--	--	--	--
SRSD	1892057	.0000000	--	--	--	--	--
#1	891	1000	--	--	--	--	--
#2	893	1000	--	--	--	--	--

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 Method: CLPSUE Sample Name: IC5A Operator:
 Run Time: 03/09/96 14:51:48
 Comment: IC5A IC5A
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Cs3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-0.0501	559900.	1.985	.3806	536900.	-4.311	-1.403
SDev	.0000	1358.	.016	.0545	1711.	.159	.141
SRSD	.0085	.2426	.8117	14.32	.3187	3.685	10.05
#1	-0.0501	558900.	1.974	.4192	535700.	-4.423	-1.303
#2	-0.0501	560800.	1.996	.3421	538100.	-4.198	-1.503
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	Mn2664	Hg2730	Ni2576	Nb2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	26.53	4.425	204200.	27.95	547200.	-16.24	-5.255
SDev	.35	.180	.239	8.24	1962.	.104	.333
SRSD	1.322	4.282	1.166	29.51	.3613	.5148	27.16
#1	26.65	4.573	204000.	33.76	540600.	-16.20	-4.112
#2	26.42	4.310	204400.	22.10	543800.	-16.28	-3.791
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529500.		
Range	22.00		10100		50.00		

Elem	As3302	Ni2316	Ti1208	V_2324	Zn2135	Pb2203	Se1201
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	107.2	2.425	-10160	-17.48	-72.04	3.390	-1.333
SDev	144.3	.361	1.5745	1.11	.11	1.341	1.780
SRSD	35.44	14.83	5133.	1.6065	1.4804	59.06	204.4
#1	109.3	2.170	.6701	-17.40	-21.97	5.047	1.740
#2	105.2	2.680	-1.7091	-17.55	-22.17	1.735	-3.713
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22051	22052	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	2.871	1.185	169.4	-79.50	3.561	.0146	-13.51
SDev	.098	1.737	3.7	5.58	15.35	7.811	6.04
SRSD	3.423	146.5	2.210	6.765	179.3	53470.	44.67
#1	2.802	2.414	166.7	-75.70	19.42	-5.509	-17.78
#2	2.941	-.0429	172.0	-83.31	-2.293	5.538	-9.246
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avg	3.226	-2.873	-61.34	4.867
SDev	10.18	2.823	9.65	1.243
RRSD	315.6	98.25	15.74	25.54

#1	10.42	-1.8771	-68.17	3.988
#2	-3.973	-4.869	-54.51	5.746

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	771	1000	--	--	--	--	--
SDev	5.185738	.0000000	--	--	--	--	--
RRSD	6726818	10000000	--	--	--	--	--
#1	775	1000	--	--	--	--	--
#2	767	1000	--	--	--	--	--

Analysis Report QC Standard Sat 03-09-96 03:02:30 PM page 1
 Method: CLFSUE Sample Name: ICSAB Operator:
 Run Time: 03/09/96 14:57:12
 Comment: ICSAB ICSAB
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Ba3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	984.5	566100.	530.6	512.9	536300.	948.9	532.4
SDev	1.9	746.	.3	.4	716.	.8	.6
SRSD	.1962	.1317	.0569	.0719	.1331	.0823	.1110
#1	983.2	566600.	530.8	513.1	538800.	948.4	532.8
#2	985.9	565600.	530.4	512.6	537800.	949.5	531.9
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Cr2677	Cr2247	Fe2714	K_7664	Ni2793	Mn2575	Ni2270
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	216.3	539.2	208700.	21.30	549100.	474.3	101.7
SDev	.7	2.0	33.	.18	129.	.5	.3
SRSD	.1333	.1873	.0423	.6359	.0261	.1143	.2999
#1	215.5	537.3	208800.	21.49	549000.	474.6	101.6
#2	217.1	540.1	208700.	21.11	549200.	474.0	101.8
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	101.0	107.0	101000.		529000.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	
Elem	Li1302	V12316	W1008	V_2224	Se2188	Se2221	Se1947
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	752.3	148.2	-3.256	499.3	1041.	5141.	-4.333
SDev	12.4	1.3	273.	.3	.14	.14	1.12
SRSD	1.621	.1332	23.73	.0647	.0299	.0281	2.345
#1	741.6	949.1	-3.709	500.2	1041.	5151.	-4.337
#2	803.0	947.3	-3.802	499.7	1041.	5131.	-4.330
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		485.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	
Elem	Sb2068	As1890	22031	22032	20691	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	11.59	-1.493	5332.	5046.	7.172	13.79	-9.753
SDev	.67	.801	11.	16.	2.603	.29	6.221
SRSD	5.796	53.64	.2126	.3174	36.30	2.120	63.79
#1	12.07	-.9269	5240.	5057.	9.012	13.58	-14.15
#2	11.12	-2.050	5324.	5034.	5.331	13.99	-5.354
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	19502	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

Analysis Report

QC Standard

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Avge	-2.279	1035.	959.1	1117.
SDav	2.939	5.	1.4	4.
SRSD	128.9	.4596	.1446	.3207

#1.	-.2014	1032.	960.1	1120.
#2.	-4.357	1038.	958.1	1115.

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

Int.Std	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Zlen	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	768	1000	--	--	--	--	--
SDav	1.791461	.0000000	--	--	--	--	--
SRSD	.2882812	.0000000	--	--	--	--	--
#1	757	1000	--	--	--	--	--
#2	759	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: CRI Operator:
 Run Time: 03/09/96 15:02:36
 Comment: CRI
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	12.71	393.4	.3143	10.65	355.4	10.81	103.7
SDev	.86	374.2	.3000	.32	401.8	.83	.1
SRSD	6.805	95.11	95.43	3.051	113.1	7.688	.0977
#1	13.32	658.0	.5265	10.88	639.5	11.40	103.7
#2	12.10	128.6	.1022	10.42	71.23	10.23	103.6
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			
Elem	Cr2677	Cu3247	Pb2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	20.89	50.97	190.4	18.60	42.18	30.97	43.05
SDev	.50	.43	171.0	.22	412.7	.28	.32
SRSD	2.374	.8347	91.41	1.166	97.65	.6966	.7351
#1	21.24	51.27	313.4	18.70	715.6	31.16	43.28
#2	20.54	50.67	67.32	18.45	129.9	30.77	47.63
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		50.00				50.00	
Range		50.00				50.00	
Elem	Ni3302	Ni2316	Ti1308	V_2924	Zn2158	Zn2205	Zn-1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	268.5	82.98	22.41	104.5	34.20	7.373	3.675
SDev	113.3	.04	1.46		.35	1.254	1.425
SRSD	44.05	.0526	6.511	.7025	1.017	17.00	14.45
#1	352.1	83.01	23.44	105.0	34.44	9.253	3.657
#2	184.9	82.35	21.38	103.9	33.95	6.486	30.87
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		50.00	20.00	100.0	50.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00
Elem	Sb2068	As1890	22031	22052	20661	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	124.4	21.61	6.992	7.548	121.9	125.6	12.02
SDev	.2	.12	1.755	1.003	1.6	1.1	1.69
SRSD	.1523	.5528	25.10	13.29	1.274	.8434	15.70
#1	124.3	21.70	8.233	8.257	123.0	124.9	10.68
#2	124.5	21.53	5.751	6.838	120.8	126.4	13.35
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	120.0	20.00					
Range	50.00	50.00					
Elem	19602	Sn1899	Ti3349	Ri2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

QC Standard

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Avg	8.774	40.54	28.85	301.9
SD	1.193	4.59	2.71	1.1
SRSD	13.59	11.32	9.409	.3609
#1	7.931	43.78	30.77	302.7
#2	9.617	37.30	26.93	301.1

Errors Value Range
 NOCHECK NOCHECK NOCHECK NOCHECK

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	892	1000	--	--	--	--	--
SD	.4714189	.0000000	--	--	--	--	--
SRSD	.0528549	.0000000	--	--	--	--	--
#1	892	1000	--	--	--	--	--
#2	892	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: CCV
 Run Time: 03/09/96 15:08:00
 Comment: CCV CVS1
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ra4934	Re3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	100.9	2028.	1001.	1018.	50170.	985.8	1017.
SDev	.1	3.	1.	2.	185.	2.1	2.
SRSD	.1201	.1603	.1287	.1748	.3695	.2153	.2211
#1	100.9	2031.	999.6	1019.	50300.	987.3	1018.
#2	100.8	2026.	1001.	1017.	50040.	984.3	1015.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Cr2677	Cu2247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	991.6	1021.	2035.	48950.	50260.	1003.	1030.
SDev	3.1	4.	2.	29.	79.	2.	3.
SRSD	.3088	.3922	.0987	.0597	.1565	.2138	.2778
#1	993.6	1018.	2036.	48930.	50320.	1005.	1032.
#2	989.5	1024.	2033.	48970.	50200.	1022.	1028.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Na3302	Ni2316	Pb1908	V_2924	Zn2136	Pb2208	Se1950
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	50270.	989.1	1053.	1022.	1020.	1019.	1041.
SDev	94.	2.1	5.	2.	2.	2.	4.
SRSD	.1871	.2127	.4361	.1798	.2310	.1769	.0380
#1	50340.	999.6	1049.	1023.	1022.	1020.	1041.
#2	50200.	987.6	1056.	1021.	1019.	1018.	1041.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1031.	1041.	1016.	1020.	1024.	1034.	1037.
SDev	2.	1.	1.	2.	2.	2.	4.
SRSD	.1523	.0269	.0949	.2177	.0171	.2361	.3792
#1	1030.	1041.	1017.	1022.	1024.	1032.	1034.
#2	1032.	1041.	1015.	1019.	1024.	1036.	1040.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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QC Standard

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Avge	1043.	1016.	999.3	1046.
SDay	2.	3.	2.4	3.
SRSD	.1882	.3123	.2360	.3133
#1	1045.	1014.	1000.0	1049.
#2	1042.	1018.	996.7	1044.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Node	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	887	1000	--	--	--	--	--
SDay	2.121407	.0000000	--	--	--	--	--
SRSD	.2290737	.0000000	--	--	--	--	--
#1	886	1000	--	--	--	--	--
#2	889	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: CCE
 Run Time: 03/09/96 15:13:24
 Comment: CCB
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	-.0286	3.366	.5568	.6094	-11.78	.3154	.2580
SDcv	.0646	5.744	.1682	.1936	10.49	.2421	.1073
SRSD	225.9	170.6	30.20	31.77	89.12	76.78	41.60
#1	-.0743	-.6949	.4379	.4725	-19.20	.1442	.1821
#2	.0171	7.428	.6758	.7463	-4.356	.4866	.3539
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	300.0	5.000	50.00
Elem	Cr2677	Fe3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	4856	7.284	10.33	29.09	40.98	16071	17207
SDcv	2334	1103	0.92	3.50	12.47	11757	12910
SRSD	3.001	8.317	69.05	12.02	30.44	28.17	32.05
#1	4645	11102	5.130	23.62	32.16	14759	15578
#2	4068	7.307	14.92	31.55	49.80	17288	13640
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	25.00	100.0	3000.	5000.	15.00	
Elem	Ni2602	Ni2605	Pb1908	V 2024	Zn2139	Zn2253	Zn1987
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	188.4	1.461	1.3640	.1502	-2.460	.2713	-1.080
SDcv	30.6	1.051	4.0181	1.3432	.237	1.4599	1.339
SRSD	18.00	10.03	416.8	62.57	9.635	169.4	38.17
#1	180.1	.9082	-3.805	.3076	-2.628	.5964	-1.804
#2	196.8	.7679	1.377	.7927	-2.292	-1.0538	-1.356
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Elem	Sb2068	As1890	Zn2031	Zn2032	Zn2681	Zn2682	Zn19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	2.070	.6062	.6285	.0798	1.001	2.590	1.737
SDcv	1.073	.0497	1.410	1.393	.703	1.258	2.658
SRSD	51.85	8.198	224.4	1746.	70.28	48.56	1530.
#1	2.828	.6413	-.3688	1.065	1.498	3.479	2.053
#2	1.311	.5710	1.626	-.9055	.5035	1.700	-1.765
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

Analysis Report

QC Standard

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Avge	-1.718	.8618	3.552	.9382
SDav	.741	2.178	.374	1.401
SRSD	43.15	252.8	10.52	149.3
#1	-2.243	-.6785	3.287	1.929
#2	-1.194	2.402	3.816	-.0522
Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waylan	371.030	--	--	--	--	--	--
Avge	909	1000	--	--	--	--	--
SDav	.1414300	.0000000	--	--	--	--	--
SRSD	.0153600	.0000000	--	--	--	--	--
#1	909	1000	--	--	--	--	--
#2	909	1000	--	--	--	--	--

Analysis Report

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Method: CLPSUE Sample Name: SDI798039 #27 Operator:
 Run Time: 03/09/96 15:20:43
 Comment: SDG:1 ClientID: ~~C# KRWL~~ 1:5
 Mode: CONC Corr. Factor: 1

503/11/96
KEY W GDL

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Ce2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.1600	116.2	345.5	.2050	131900.	-.2526	.1013
SDev	.0404	3.4	.6	.0066	266.	.0950	.0636
SRSD	25.26	2.926	.1702	3.240	.2019	37.59	62.81
#1	.1314	113.8	245.1	.2097	132100.	-.1855	.0563
#2	.1836	118.7	345.9	.2003	131700.	-.3198	.1463
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Pb2714	K_7664	Mg2790	Mn2576	Nb2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	6.015	.9815	20.74	2049.	20.18	.5033	.6943
SDev	.540	.1005	.69	.2	4.42	.0255	.2628
SRSD	6.733	21.62	2.229	.1157	21.82	5.065	29.32
#1	6.397	.7468	20.26	2048.	17.06	.4853	.7094
#2	7.634	1.016	21.23	2031.	22.31	.3013	1.089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	450000.	500000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	3.000
Elem	Na3302	Ni2316	Tl3308	V_2924	Zn2133	Pb2203	Ba1360
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	14470.	.3766	.1442	.3816	-2.269	.4551	.1744
SDev	.25	.2742	2.434	.2807	.059	.7809	.4532
SRSD	.1731	21.28	441.7	73.55	2.604	171.6	262.7
#1	14450.	.6827	2.244	.1831	-2.228	-.0970	.4984
#2	14480.	1.070	-1.155	.5601	-2.311	1.007	-.1496
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.8801	1.285	1.214	.0618	.9475	.8321	.2749
SDev	1.273	1.203	.627	1.484	1.149	1.336	4.022
SRSD	144.7	93.65	51.66	2399.	121.2	160.5	1463.
#1	-.0203	2.136	1.658	-.9875	.1354	-.1124	3.119
#2	1.780	.4341	.7706	1.111	1.760	1.777	-2.569
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Tl3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	.1099	-3.581	4.169	1.623			
SDav	1.321	2.865	.964	1.555			
%RSD	1202.	80.00	23.12	95.79			
#1	-.8242	-1.555	4.851	.5238			
#2	1.044	-5.607	3.488	2.723			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-20.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	839	1000	--	--	--	--	--
SDav	2.404267	.0000000	--	--	--	--	--
%RSD	.2867199	.0000000	--	--	--	--	--
#1	837	1000	--	--	--	--	--
#2	840	1000	--	--	--	--	--

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Analysis Report

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Method: CLPSUE Sample Name: 78S041
 Run Time: 03/09/96 15:26:07
 Comment: SDG:1 ClientID:C#-KEYFB 1:1
 Mode: CONC Corr. Factor: 1

#28 Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Cc2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0115	146.8	.5766	.2023	5.182	-.3446	-.0818
SDev	.0242	.1	.0028	.0256	3.169	.0086	.1736
%RSD	211.7	.0904	.4862	12.66	61.15	2.503	212.3
#1	.0057	146.9	.5746	.1842	2.941	-.3507	.0410
#2	-.0286	146.8	.5786	.2204	7.423	-.3385	-.2046
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Ni2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.039	2.945	22.39	103.3	23.14	.2733	-.2472
SDev	.001	.088	2.91	3.2	2.52	.0004	.2948
%RSD	.0868	2.988	13.01	3.078	8.643	.1357	119.3
#1	1.038	2.938	20.33	101.0	27.36	.2769	-.4557
#2	1.038	2.953	24.45	105.5	30.92	.2791	-.0397
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	450000.	300000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	3.000
Elem	Ni2302	Ni2316	Ti1906	V_2824	Zn2136	Zn2203	Zn1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	822.2	.4573	.0653	-.0129	-1.739	.3020	-2.350
SDev	32.9	.1323	1.2711	.0384	.147	.1923	.713
%RSD	4.040	28.92	190.9	684.4	8.242	63.68	24.15
#1	824.7	.3638	-1.565	.0496	-1.393	.1660	-2.447
#2	819.7	.5508	.2330	-.0754	-1.684	.4379	-3.454
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-30.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2472	1.193	1.610	-.3650	-1.504	1.108	-1.785
SDev	.3267	1.564	.018	.2973	1.336	.177	1.722
%RSD	132.1	131.1	1.121	81.45	88.82	15.99	96.45
#1	.4782	.0368	1.623	-.5753	-.5594	.9825	-3.003
#2	.0162	2.299	1.598	-.1548	-2.448	1.233	-.5677
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	-3.546	-2.451	4.438	1.655			
SDav	1.928	3.764	.816	.458			
SRSD	54.37	153.6	18.40	27.66			
#1	-2.183	-5.112	3.861	1.978			
#2	-4.909	.2105	5.015	1.331			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	867	1000	--	--	--	--	--
SDav	.5185910	.0000000	--	--	--	--	--
SRSD	.0597361	.0000000	--	--	--	--	--
#1	867	1000	--	--	--	--	--
#2	868	1000	--	--	--	--	--

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Method: CLPSUE
Run Time: 03/09/96
Comment: SDG:1
Mode: CONC

Sample Name: 788043
15:31:31
ClientID:C#-KEY-1
Corr. Factor: 1

#29 Operator:

1:1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.6224	72.89	2.249	.1941	10390.	-.4151	-.1836
SDev	.2748	3.68	.039	.0563	51.	.2278	.1700
%RSD	44.15	5.042	1.727	28.98	.4944	54.89	92.50
#1	.4281	75.49	2.221	.2338	10350.	-.5762	-.3033
#2	.8167	70.29	2.276	.1543	10420.	-.2540	-.0636
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	500000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cu2677	Cu3247	Fe2714	K_7364	Hg2790	Mn2376	Ni2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.3562	1178.	1184.	580.0	4029.	7.186	-.2682
SDev	.3758	3.	39.	2.5	11.	.135	.1290
%RSD	106.30	.2341	3.310	.4242	.2807	1.880	48.03
#1	.0901	1180.	1153.	573.1	4021.	7.091	-.1770
#2	1.222	1176.	1203.	582.6	4037.	7.282	-.2594
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	430000.	800000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-3000.	-15.00	-3.000
Elem	Na2302	Ni2316	Ti1308	V_2024	Zn2138	Pb2208	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	4383.	2.333	-1.032	-.2573	55.99	246.0	-1.222
SDev	91.	.790	1.901	.0832	.31	1.0	.369
%RSD	2.080	3.073	184.1	31.10	.5464	.3905	30.24
#1	4299.	2.869	-2.376	-.3263	55.77	245.3	-.3908
#2	4427.	2.996	.3116	-.2087	56.20	246.6	-1.483
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	Zn2031	Zn2032	Zn2081	Zn2082	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1.854	1.624	247.9	245.0	.6127	2.460	-1.321
SDev	.046	1.630	.0	1.4	.2000	.030	3.143
%RSD	2.480	100.3	.0124	.5815	32.65	1.208	237.9
#1	1.821	2.777	247.9	244.0	.4712	2.481	-3.543
#2	1.886	.4718	247.9	246.0	.7541	2.439	.9016
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	-1.186	19.68	5.548	.1270
SDev	2.123	.29	1.847	1.303
SRSD	179.0	1.483	33.29	1070.
#1	.3149	19.89	4.742	1.052
#2	-2.688	19.47	6.854	-.7978

Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		-20.00	-30.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	864	1000	--	--	--	--	--
SDev	.4714189	.0000000	--	--	--	--	--
SRSD	.0545344	.0000000	--	--	--	--	--
#1	865	1000	--	--	--	--	--
#2	864	1000	--	--	--	--	--

Analysis Report

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Method: CLPSUE Sample Name: 788044
 Run Time: 03/09/96 15:36:55
 Comment: SDG:1 ClientID:CF-KEY-2 1:1
 Mode: CONC Corr. Factor: 1

#30 Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.0228	185.9	2.165	.1020	10610.	-.3855	-.1688
SDev	.1374	.8	.002	.0095	14.	.1115	.1481
SRSD	602.7	.4280	.1010	9.344	.1355	28.92	87.70
#1	-.0744	185.3	2.167	.0953	10620.	-.3067	-.0641
#2	.1200	186.5	2.163	.1087	10600.	-.4644	-.2735
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.5336	71.44	44.28	659.6	4171.	.8346	-.3894
SDev	.0282	.01	.078	3.1	6.	.0242	.5716
SRSD	7.293	.0201	1.773	.4847	.1207	2.833	154.7
#1	.5061	71.43	44.82	661.6	4175.	.8173	-.7730
#2	.5611	71.45	43.72	657.1	4180.	.8517	.0247
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	250000.	400000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	1700.	-5000.	-15.00	3.000
Elem	Ni3332	Ni2318	Pb1003	Pb2024	Pb2128	Pb2203	Pb1050
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	4733.	.3827	1.183	.3476	8.483	1.314	-1.264
SDev	105.	.3960	.050	.1709	.023	.461	1.722
SRSD	2.203	67.90	4.199	359.2	.2734	24.06	154.1
#1	4833.	.3627	1.150	.1685	8.447	1.568	-2.501
#2	4585.	.3027	1.220	-.0733	8.479	2.240	-.0862
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.6198	-.5865	2.126	1.795	-1.116	1.473	.9223
SDev	.5398	.4613	.151	.766	.594	1.106	.2697
SRSD	87.09	78.66	7.097	42.67	53.26	75.10	29.24
#1	1.001	-.9127	2.233	1.253	-1.536	2.255	1.113
#2	.2381	-.2603	2.019	2.336	-.6957	.6906	.7316
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avg	-2.399	-3.439	4.994	.3098			
SD	2.716	3.061	2.755	.9291			
SRSD	113.2	88.99	55.17	299.9			
#1	-4.320	-5.603	6.942	-.3472			
#2	-.4781	-1.275	3.046	.9567			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	872	1000	--	--	--	--	--
SD	1.885719	.0000000	--	--	--	--	--
SRSD	.2161422	.0000000	--	--	--	--	--
#1	371	1000	--	--	--	--	--
#2	374	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: 788045 #31 Operator:
 Run Time: 03/09/96 15:42:19
 Comment: SDG:1 ClientID:C#-KEY-3 1:1
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.2590	151.0	5.813	.2300	9460.	-.3387	.5937
SDev	.0162	.4	.001	.0198	.19.	.0162	.2267
%RSD	6.242	.2614	.0234	8.610	.1990	4.786	38.18
#1	-.2705	151.3	5.814	.2160	9473.	-.3502	.4334
#2	-.2476	150.7	5.812	.2440	9447.	-.3273	.7540
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7004	Mg2790	Mn2576	Ni2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.8585	772.3	101.7	706.6	5711.	25.27	-.2865
SDev	.3340	2.4	1.0	2.0	.7	.05	.0072
%RSD	38.99	.3152	.9837	.3672	.1215	.1999	2.497
#1	1.093	770.0	102.5	708.5	5716.	25.31	-.2816
#2	.5204	774.0	102.0	704.8	5707.	25.24	-.2917
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	200000.	480000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-1000.	-15.00	-2.000
Elem	Ni3302	Ni2316	Pb1003	V_2324	Zn2139	Zn2203	Zn1980
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	10890.	6.600	-.4542	-.0889	186.0	54.71	-.2820
SDev	.14	.114	.0381	.0380	.2	.30	.1286
%RSD	.1308	1.724	7.951	4.287	.1236	.3558	.3790
#1	10900.	6.519	-.4280	-.0865	155.9	54.50	-.2630
#2	10880.	6.680	-.4707	-.0814	180.1	54.83	-.2912
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-3000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	Zn2031	Zn2032	Zn2081	Zn2082	Zn19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.6734	-.2126	55.98	54.06	-.1659	1.079	1.179
SDev	.1778	.6449	1.34	.21	.4526	.492	2.931
%RSD	26.40	303.4	2.387	.3907	272.9	45.66	248.6
#1	.5477	.2435	55.04	54.21	.1542	.7304	3.252
#2	.7991	-.6686	56.93	53.91	-.4859	1.427	-.8938
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sr1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	-4.531	-2.054	4.812	1.985
SDav	1.502	3.300	2.910	.255
SRSD	33.15	160.7	60.48	12.87
#1	-5.593	-4.387	6.869	1.804
#2	-3.469	.2800	2.754	2.165
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		-20.00	-30.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	873	1000	--	--	--	--	--
SDav	2.545740	.0000000	--	--	--	--	--
SRSD	.2915491	.0000000	--	--	--	--	--
#1	371	1000	--	--	--	--	--
#2	375	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: 788046
Run Time: 03/09/96 15:47:43
Comment: SDG:1 ClientID:C#-KEY-4
Mode: CONC Corr. Factor: 1

#32 Operator:

1:1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.1126	153.4	5.372	.1540	9424.	-.4514	.4712
SDev	.0081	2.1	.053	.0526	7.	.0602	.3751
SRSD	7.174	1.351	.9845	34.13	.0778	13.34	79.61
#1	.1069	154.9	5.409	.1912	9419.	-.4940	.2060
#2	.1184	151.9	5.334	.1168	9429.	-.4089	.7365
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Zn2714	K_7864	Mg2790	Mn2876	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.9840	71.97	77.28	595.0	5798.	22.50	.1510
SDev	.0023	.32	1.58	4.2	5.	.00	.0580
SRSD	2352	.4482	2.043	.5882	.0018	.0710	45.40
#1	.9887	71.74	78.39	637.9	5795.	22.49	.1990
#2	.9824	72.20	78.18	692.0	5802.	22.51	.1023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	200000.	400000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-10000.	-15.00	-2.000

Elem	Ni3302	Ni2316	Pb1900	V_2824	Zn2188	Pb2800	Bi1900
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	11010.	2.320	.5354	.0485	11.26	9.923	1.3118
SDev	7.	.130	.3287	.0010	.12	1.060	1.2849
SRSD	.0390	2.452	59.37	3.659	1.170	10.74	138.7
#1	11010.	1.928	.3223	.0452	11.36	10.98	-.0173
#2	11020.	2.113	.7886	.0477	11.17	9.169	-1.806
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.4904	1.002	11.33	9.207	.3604	.5415	1.129
SDev	.4986	.625	.53	1.335	.1122	.6915	1.704
SRSD	101.7	62.34	4.646	14.50	31.14	127.7	150.9
#1	.8430	.5602	11.70	10.15	.4398	1.030	2.334
#2	.1379	1.444	10.96	8.262	.2811	.0525	-.0754
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	-1.945	-.8357	5.489	2.495			
SDev	1.046	2.9557	2.031	1.361			
SRSD	53.78	353.7	37.00	54.54			
#1	-1.205	-2.926	6.925	3.457			
#2	-2.684	1.254	4.053	1.533			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	366	1000	--	--	--	--	--
SDev	1.819999	.0000000	--	--	--	--	--
SRSD	.1523703	.0000000	--	--	--	--	--
#1	305	1000	--	--	--	--	--
#2	367	1000	--	--	--	--	--

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Analysis Report

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Method: CLPSUE Sample Name: 783052 #33 Operator:
 Run Time: 03/09/96 15:53:07
 Comment: SDG:1 ClientID: C#-KEY-5 1:1
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.1308	69.02	21.02	.1930	13280.	-.4238	-.0992
SDev	.0970	.72	.02	.0129	26.	.0204	.2783
SRSD	74.17	1.041	.0840	6.669	.1930	4.819	280.5
#1	.0622	68.51	21.03	.1839	13300.	-.4382	.0976
#2	.1993	69.53	21.01	.2321	13270.	-.4093	-.2960
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	500000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7384	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.3597	78.23	80.16	598.3	5496.	9.213	.1353
SDev	.0041	.16	1.39	5.4	13.	.027	.0315
SRSD	.4728	.2245	2.475	.8975	.2284	.2913	49.22
#1	.3026	78.17	79.15	602.1	5505.	9.232	.2506
#2	.3563	78.42	81.97	134.3	5437.	9.194	.1212
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	430000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-3.000
Elem	Na3302	Ni2316	Ti1908	V_2624	Zn2103	Zr2203	Zr1965
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	3048.	1.766	-1.305	.0462	7.380	15.63	-.4015
SDev	.75	.136	1.737	.1759	.248	.37	.1209
SRSD	.9037	7.728	133.1	389.0	3.361	2.367	30.11
#1	3239.	1.862	-2.534	.1725	7.555	15.38	-.4870
#2	3193.	1.869	-.0767	-.0762	7.204	15.42	-.3160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1.034	-.9481	16.55	15.24	-.1139	1.594	2.256
SDev	.023	.0178	.80	.96	.9093	.420	3.605
SRSD	2.189	1.877	4.850	6.284	798.4	26.36	159.8
#1	1.050	-.9606	15.98	15.91	.5291	1.297	-.2923
#2	1.018	-.9355	17.12	14.56	-.7568	1.891	4.805
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avg	-1.742	.9892	4.393	1.065			
SDav	1.618	.6329	3.745	.402			
SRSE	92.90	63.98	85.24	37.74			
#1	-.5977	1.437	7.041	.7805			
#2	-2.886	.5417	1.745	1.349			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	370	1000	--	--	--	--	--
SDav	2.498558	.0000000	--	--	--	--	--
SRSE	12872764	.00000000	--	--	--	--	--
#1	353	1000	--	--	--	--	--
#2	872	1000	--	--	--	--	--

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Analysis Report

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Method: CLPSUE Sample Name: 788056
 Run Time: 03/09/96 15:58:31
 Comment: SD3:1 ClientID:CF-KEY-6
 Mode: CONC Corr. Factor: 1

#34 Operator:

1:1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.2847	89.81	27.45	.2645	13870.	-.3752	-.0975
SDev	.2020	.10	.05	.0226	65.	.0852	.0796
%RSD	70.96	.1119	.1729	8.546	.4690	22.71	81.70
#1	.1419	89.88	27.41	.2805	13930.	-.4354	-.1538
#2	.4276	89.74	27.48	.2485	13920.	-.3149	-.0412
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7864	Mg2790	Mn2576	Ni2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.7126	176.5	11.07	587.0	6268.	13.95	.1037
SDev	.1260	.3	3.62	6.7	9.	.15	.3636
%RSD	17.68	.1626	32.68	1.145	.1406	1.068	348.8
#1	.6235	176.7	8.512	582.2	6282.	13.34	.3663
#2	.9017	176.3	13.63	591.7	6294.	14.06	-.1550
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	450000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-2.000
Elem	Ni3302	Ni2316	Ti1908	V_2624	Zn2138	Zn2203	Zn1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	8224.	3.164	.9400	-.0079	32.07	1.391	-.3177
SDev	.70.	.444	1.374	.0329	.05	.972	2.0185
%RSD	.8487	14.03	146.2	1049.	.1715	69.98	248.8
#1	8175.	2.850	-.40316	-.0665	32.03	2.079	.6096
#2	8274.	3.476	1.912	.0507	32.11	.7036	-2.245
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.4727	-.3903	3.141	.5022	-.7625	1.076	.4447
SDev	.9104	.8566	.450	1.682	.4756	1.128	.4332
%RSD	192.6	219.5	14.32	334.9	62.37	104.8	97.40
#1	1.116	-.9960	2.823	1.692	-.4262	1.873	.7510
#2	-.1711	.2154	3.459	-.6873	-1.099	.2782	.1384
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	-1.463	-5.833	4.115	.7533
SDav	2.811	.427	3.076	.0267
SRSD	192.2	7.316	74.76	3.546

#1	.5252	-5.531	1.940	.7722
#2	-3.451	-6.134	6.290	.7344

Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		-20.00	-30.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	871	1000	--	--	--	--	--
SDav	1.272827	.0000000	--	--	--	--	--
SRSD	.1401832	.0000000	--	--	--	--	--
#1	872	1000	--	--	--	--	--
#2	870	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: 788057
 Run Time: 03/09/96 16:03:54
 Comment: SDG:1 ClientID:C#-KEY- 7 1:1
 Mode: CONC Corr. Factor: 1

#35 Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.2114	143.8	1.924	.1017	10420.	-.4413	-.1994
SDev	.0485	.7	.032	.0187	27.	.1166	.0108
%RSD	22.94	.4963	1.683	18.34	.2549	26.43	5.697
#1	.1771	143.3	1.947	.1149	10440.	-.3589	-.1818
#2	.2457	144.3	1.901	.0386	10400.	-.5238	-.1970
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.4203	200.0	19.75	915.0	4073.	.9797	-.6242
SDev	.2934	1.1	.75	6.9	3.	.0750	.2697
%RSD	69.61	.5500	3.815	1.099	.0637	8.523	43.16
#1	.6272	199.2	20.29	920.8	4075.	.9255	-.4342
#2	.2129	200.7	19.23	911.2	4071.	.9327	-.8155
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	450000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-3.000
Elem	Ni2302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1750
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	4746.	1.293	-.1941	.1148	14.40	15.55	.0204
SDev	102.	.091	.0343	.0876	.02	.21	1.615
%RSD	2.153	7.019	17.66	76.84	.1454	1.280	7912.
#1	4819.	1.363	-.2183	.1759	14.41	15.41	-1.121
#2	4674.	1.234	-.1695	.0320	14.39	16.71	1.162
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-.0769	.3097	17.65	16.00	-.2429	-.0078	.0920
SDev	1.2645	1.759	.42	.52	.8994	1.4469	.8762
%RSD	1644.	568.0	2.363	3.280	370.3	18500.	952.9
#1	-.9711	1.553	17.94	15.63	-.8789	-1.031	-.5275
#2	.8172	-.9341	17.35	16.37	.3931	1.015	.7115
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Arge	-0.0291	1.587	2.015	1.606
SDav	1.9837	1.208	3.783	2.696
SRSD	6817.	76.09	187.8	167.8
#1	-1.432	.7332	4.689	3.512
#2	1.374	2.441	-.6603	-.3000
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		-20.00	-30.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Arge	870	1000	--	--	--	--	--
SDav	3.252346	.0000000	--	--	--	--	--
SRSD	.3740580	.0000000	--	--	--	--	--
#1	867	1000	--	--	--	--	--
#2	872	1000	--	--	--	--	--

Analysis Report

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Method: CLFSUE Sample Name: 782058
 Run Time: 03/09/96 16:09:18
 Comment: SDG:1 ClientID:CF-KEY-8
 Mode: CONC Corr. Factor: 1

#36 Operator:

1:1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.0571	82.86	1.745	.1742	10530.	-.3109	-.1855
SDev	.0566	.71	.018	.0180	1.	.1633	.1622
SRSD	99.09	.8515	1.053	10.35	.0108	52.52	87.77
#1	.0971	83.35	1.758	.1615	10520.	-.4264	-.0704
#2	.0171	82.36	1.732	.1870	10530.	-.1955	-.3006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Hg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.7109	72.37	11.08	604.5	4127.	.7089	-.3320
SDev	.2076	.22	1.44	2.8	1.	.0006	.3238
SRSD	29.20	.3039	13.01	.4236	.0267	.0212	37.53
#1	.8576	72.22	12.08	606.3	4128.	.7093	-.5610
#2	.5641	72.33	10.04	602.7	4126.	.7035	-.1090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	200000.	450000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-10.00	-2.000
Elem	Ni2302	Ni2310	Ti1908	V_2924	Zn2138	Pb2103	Bi1380
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	4631.	1.141	-.5299	.1151	8.457	2.005	-1.348
SDev	7.	.044	.1520	.0920	.115	.253	.921
SRSD	1.558	3.295	29.13	79.33	1.364	12.64	47.83
#1	4626.	1.173	-.4133	.0501	8.539	1.826	-1.289
#2	4636.	1.110	-.6262	.1802	8.376	2.183	-2.608
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.6363	-1.557	2.290	1.850	.1906	.8450	-2.055
SDev	.4949	2.045	.083	.422	.0574	.7133	1.893
SRSD	77.78	131.3	3.638	22.79	30.10	84.42	92.09
#1	.9862	-.1115	2.349	1.551	.2312	1.349	-.7170
#2	.2863	-3.003	2.231	2.148	.1500	.3406	-3.394
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	-1.907	-4.485	4.018	-.0155			
SDev	.451	.857	.074	.0344			
SRSD	23.67	19.10	1.849	221.1			
#1	-1.588	-3.879	3.965	-.0398			
#2	-2.227	-5.091	4.071	.0088			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	871	1000	--	--	--	--	--
SDev	.6128489	.0000000	--	--	--	--	--
SRSD	.0703661	.0000000	--	--	--	--	--
#1	871	1000	--	--	--	--	--
#2	871	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: CCV
 Run Time: 03/09/96 16:14:42
 Comment: CCV CVS1
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	101.1	2009.	994.9	1017.	50200.	992.7	1016.
SDev	.3	1.	.3	3.	202.	1.7	3.
%RSD	.2556	.0417	.0338	.2928	.4027	.1668	.3199
#1	100.9	2010.	995.1	1015.	50060.	991.5	1014.
#2	101.3	2009.	994.7	1019.	50340.	993.9	1018.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Ni2023
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	991.5	1025.	2026.	49900.	49980.	1004.	1032.
SDev	3.4	8.	8.	13.	106.	2.	2.
%RSD	.3428	.0087	.4018	.0279	.2113	.2498	.1668
#1	992.1	1025.	2024.	49910.	49910.	1002.	1031.
#2	993.9	1025.	2032.	49930.	50080.	1005.	1032.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	10000.	100000.	100000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	V12330	N12316	Ti12308	V 12324	Bi2128	Pb2278	Se1890
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	50000.	992.1	1056.	1022.	1024.	1019.	1036.
SDev	3.4	1.4	1.	3.	3.	1.	3.
%RSD	.1691	.1450	.3439	.1784	.3026	.3578	.2724
#1	49940.	992.1	1061.	1021.	1021.	1017.	1027.
#2	50080.	994.1	1056.	1023.	1026.	1022.	1033.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Sb2068	As1890	22031	22032	20691	20692	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1032.	1045.	1018.	1020.	1021.	1037.	1037.
SDev	2.	2.	1.	5.	3.	2.	3.
%RSD	.2229	.1999	.1399	.4665	.3222	.1742	.2743
#1	1030.	1046.	1017.	1016.	1019.	1036.	1039.
#2	1034.	1043.	1019.	1023.	1023.	1039.	1035.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

QC Standard

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Avge	1038.	1008.	1001.	1044.
SDev	3.	6.	1.	
SRSD	.2452	.6244	.1121	.0133

#1	1036.	1004.	1002.	1044.
#2	1040.	1013.	1000.	1044.

Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	889	1000	--	--	--	--	--
SDev	.3300321	.0000000	--	--	--	--	--
SRSD	.0371040	.0000000	--	--	--	--	--
#1	889	1000	--	--	--	--	--
#2	889	1000	--	--	--	--	--

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 Method: CLPSUE Sample Name: CCB Operator:
 Run Time: 03/09/96 16:20:07
 Comment: CCB
 Mode: CONC Corr. Factor: 1

Elem.	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-.0000	-17.07	.4606	.4321	-27.82	.1807	.2929
SDev	.1697	.88	.0098	.0089	.61	.0695	.2080
%RSD	521200.	5.161	2.129	2.058	2.179	38.47	71.01
#1	-.1200	-17.69	.4675	.4258	-27.39	.1316	.4399
#2	.1200	-16.45	.4536	.4383	-28.25	.2299	.1458
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00
Elem.	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.4617	1.130	5.624	22.63	19.84	.4413	.0162
SDev	.0739	.151	6.211	2.77	1.39	.0001	.0144
%RSD	17.09	14.26	110.4	12.26	6.989	.0304	88.91
#1	.4059	1.245	10.02	20.66	20.82	.4412	.0060
#2	.5175	1.015	1.233	24.59	19.86	.4414	.0263
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	
Elem.	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	225.4	.7863	1.172	.3646	-2.633	.3161	-1.161
SDev	27.3	.0831	.481	.0849	.001	.8390	2.622
%RSD	12.09	10.56	41.05	23.29	.0193	170.5	225.9
#1	206.1	.8450	.8320	.3045	-2.634	1.136	-3.015
#2	244.6	.7275	1.512	.4246	-2.633	-.1061	.8933
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Elem.	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	2.042	.5354	.7389	.3917	1.832	2.133	2.184
SDev	1.052	1.258	.0251	1.332	.003	1.578	6.375
%RSD	51.50	234.9	3.396	340.0	.1390	73.96	291.8
#1	2.785	-.3540	.7212	1.334	1.830	3.249	-2.323
#2	1.298	1.425	.7567	-.5501	1.834	1.018	6.692
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					
Elem.	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

Analysis Report

QC Standard

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Avge	-2.944	-2.509	2.014	.7156
SDav	.749	1.412	1.250	.7270
SRSD	26.34	56.29	62.09	101.6
#1	-3.374	-3.507	1.130	.2016
#2	-2.315	-1.510	2.898	1.230

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	271.030	--	--	--	--	--	--
Avge	912	1000	--	--	--	--	--
SDav	.1414300	.0000000	--	--	--	--	--
SRSD	.0135143	.0000000	--	--	--	--	--
#1	912	1000	--	--	--	--	--
#2	912	1000	--	--	--	--	--

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Analysis Report

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Method: CLPSUE
Run Time: 03/09/96
Comment: SDG:1
Mode: CONC

Sample Name: ~~780003~~ 123123
16:25:31
ClientID: ~~C# 780003~~ ^{see 1/1/96}
Corr. Factor: 1

#39 Operator:
1:1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-.2629	378.6	1677.	.4377	H629300.	-.4458	-.6827
SDev	.1051	2.3	2.	.0119	45.	.1130	.0274
%RSD	39.96	.5951	.1405	2.729	.0071	25.36	4.020
#1	-.3372	380.2	1679.	.4293	H629300.	-.3659	-.6632
#2	-.1886	377.0	1676.	.4462	H629300.	-.5257.	-.7021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Ni2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	33.03	3.256	38.15	13790.	52.65	.5634	3.375
SDev	.10	.059	.73	15.	1.04	.0295	.063
%RSD	.3127	1.803	1.919	.1056	1.973	5.234	1.868
#1	33.10	3.214	37.83	13800.	51.92	.5842	3.420
#2	32.96	3.297	38.67	13780.	53.33	.5423	3.331
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	400000.	600000.	25000.	25000.
Low	-10.00	-15.00	-100.0	-5000.	-5000.	-15.00	-3.000
Elem	Ni3302	Ni3316	Ti1908	V_2824	Zn2139	Zn2203	Zn3360
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	72120.	1.663	.3190	-.0030	3.515	2.550	-1.327
SDev	32.	.324	.5502	.0960	.041	1.376	.460
%RSD	.0433	20.09	174.4	1913.	1.164	51.88	25.25
#1	72140.	1.869	-.0743	-.0729	3.487	3.026	-1.497
#2	72100.	1.426	.7123	.0629	3.544	1.630	-2.147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.1471	.3288	4.161	1.885	-1.874	1.141	-2.933
SDev	.7971	.8409	.144	1.991	1.293	.549	1.830
%RSD	541.7	255.7	3.452	105.6	69.01	48.13	62.38
#1	-.4165	.9234	4.262	3.293	-2.789	.7529	-4.227
#2	.7108	-.2658	4.059	.4773	-.9596	1.530	-1.639
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

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Avge	-1.282	-1.099	7.273	.9291			
SDev	1.603	3.442	.141	.1513			
SRSD	125.1	313.2	1.942	16.28			
#1	-.1482	1.335	7.173	1.036			
#2	-2.416	-3.533	7.373	.8221			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	808	1000	--	--	--	--	--
SDev	1.414300	.0000000	--	--	--	--	--
SRSD	.1751295	.0000000	--	--	--	--	--
#1	307	1000	--	--	--	--	--
#2	903	1000	--	--	--	--	--

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Analysis Report

QC Standard

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Method: CLPSUE Sample Name: ICSA
 Run Time: 03/09/96 16:30:54
 Comment: ICSA ICSA
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	A13082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.0814	558500.	2.312	.4569	536000.	-4.517	-1.775
SDev	.0404	933.	.030	.0681	543.	.075	.534
%RSD	49.68	.1670	1.301	14.91	.1013	1.654	30.08.
#1	.0528	557900.	2.334	.5051	535600.	-4.570	-2.153
#2	.1100	559200.	2.291	.4088	536400.	-4.465	-1.398
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		
Elem	Cr2677	Cu3247	Fe2714	K_7864	Mg2790	Mn2576	Mo2920
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	26.36	4.227	205300.	29.57	545200.	-18.42	-2.570
SDev	.45	.059	148.	2.63	2084.	.16	.808
%RSD	1.723	1.392	.0722	8.877	.3822	.8348	23.67
#1	26.70	4.269	205100.	31.57	543700.	-18.31	-2.140
#2	26.06	4.186	205300.	27.37	546700.	-18.33	-3.000
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	50.00		50.00		50.00		
Elem	Ni2316	Ni2316	Tl1300	V_2924	Zn2138	Zn2203	Zn1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	302.0	2.350	-4.783	-17.39	-22.13	2.685	-6.352
SDev	11.5	.643	1.040	.12	.14	2.006	1.850
%RSD	3.473	27.35	21.74	.6814	.6333	74.71	12.41
#1	340.2	1.895	-5.518	-17.80	-22.03	4.104	-7.453
#2	323.9	2.804	-4.048	-17.98	-22.23	1.267	-6.251
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	2.412	-.8649	174.7	-83.19	-7.472	7.332	-10.33
SDev	.146	1.2188	1.1	3.54	1.434	.498	4.59
%RSD	6.073	140.9	.6161	4.261	19.19	6.785	44.45
#1	2.516	-.0031	173.9	-80.68	-6.458	6.981	-7.083
#2	2.309	-1.727	175.4	-85.70	-8.485	7.684	-13.58
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	19602	Sn1899	Tl3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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QC Standard

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Avge	-5.129	-2.578	-50.11	6.740
SDav	3.569	.015	4.94	3.818
%RSD	69.59	.5724	9.856	56.65

#1	-7.653	-2.568	-46.62	9.440
#2	-2.605	-2.589	-53.60	4.040

Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK
--------------------	---------	---------	---------	---------

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waylen	371.030	--	--	--	--	--	--
Avge	772	1000	--	--	--	--	--
SDav	.00000099	.00000000	--	--	--	--	--
%RSD	.1282277	.00000000	--	--	--	--	--
#1	771	1000	--	--	--	--	--
#2	773	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: ICSAB
 Run Time: 03/09/96 16:36:18
 Comment: ICSAB ICSAB
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	990.4	564300.	528.9	512.8	536700.	949.3	531.4
SDev	.6	576.	.3	.1	455.	.5	.4
SRSD	.0628	.1020	.0510	.0236	.0248	.0556	.0696
#1	990.8	564700.	529.1	512.8	536400.	948.9	531.7
#2	989.9	563900.	528.8	512.9	537000.	949.7	531.2
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	515.9	543.4	207300.	23.92	550200.	473.8	1016.
SDev	.4	.3	293.	8.36	264.	.1	.1
SRSD	.0717	.0567	.1412	37.02	.0480	.0287	.0559
#1	516.1	543.2	207100.	30.19	550000.	473.7	1016.
#2	515.6	543.6	207300.	17.66	550400.	473.9	1015.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	507.0	121300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	
Elem	Ni3302	Ni2316	Ti1908	V_2024	Zn3198	Zn2208	Zn1950
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	754.3	948.2	-7.483	499.8	1040.	5132.	-1.421
SDev	3.3	.5	3.035	1.6		5.	2.445
SRSD	.4433	.0575	40.56	.3538	.0233	.0948	172.0
#1	755.7	948.6	-9.029	498.5	1040.	5129.	13074
#2	751.9	947.8	-5.337	501.0	1040.	5135.	-3.150
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	11.41	.5654	5312.	5042.	9.108	12.54	-5.543
SDev	2.45	1.028	.	7.	.025	3.69	1.604
SRSD	21.50	181.9	.0071	.1405	.2782	29.43	28.93
#1	13.14	1.293	5312.	5037.	9.090	15.15	-4.409
#2	9.672	-.1617	5312.	5047.	9.126	9.929	-6.677
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

QC Standard

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Avg	.6209	1029.	960.1	1118.
SDav	2.865	1.	5.3	1.
SRSD	461.4	.0617	.5541	.0626

#1	2.646	1029.	963.8	1118.
#2	-1.405	1030.	956.3	1119.

Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK
--------------------	---------	---------	---------	---------

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	773	1000	--	--	--	--	--
SDav	.2828600	.0000000	--	--	--	--	--
SRSD	.0336001	.0000000	--	--	--	--	--
#1	773	1000	--	--	--	--	--
#2	773	1000	--	--	--	--	--

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 Method: CLPSUE Sample Name: CRI Operator:
 Run Time: 03/09/96 16:41:41
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Ba3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	12.60	173.6	.1597	10.54	141.2	10.29	103.2
SDev	.11	3.6	.0077	.01	2.8	.04	.6
%RSD	.8335	2.078	4.801	.1033	1.954	.3698	.5840
#1	12.53	176.2	.1542	10.54	143.2	10.26	102.8
#2	12.68	171.1	.1651	10.53	139.3	10.31	103.6
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2920
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	20.74	30.77	87.38	12.13	183.5	30.71	43.13
SDev	.24	.47	5.04	3.01	3.5	.11	.42
%RSD	1.173	.9241	5.771	23.91	1.910	.3654	.9631
#1	20.57	31.13	82.81	9.817	183.0	30.62	42.84
#2	20.92	30.44	90.54	18.59	183.0	30.79	43.43
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		20.00				20.00	
Range		50.00				50.00	

Elem	Ni3302	Ni2316	Ti1208	V_2924	Zn2138	Zn2233	Zn1990
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	210.6	32.75	21.13	104.3	34.11	8.277	7.133
SDev	123.4	1.13	1.74	5	.09	.153	.063
%RSD	58.98	1.437	8.199	.4478	.2325	1.846	3.129
#1	119.8	31.91	19.95	104.0	34.05	8.395	6.790
#2	301.4	33.60	22.41	104.7	34.16	8.169	7.727
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		20.00	20.00	20.00	40.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00

Elem	Sb2068	As1890	22031	22032	20681	20692	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	123.8	21.74	8.062	8.370	121.4	125.0	11.01
SDev	1.3	.02	.132	.295	1.1	1.4	4.03
%RSD	1.040	.0897	1.634	3.523	.9082	1.104	36.65
#1	124.7	21.75	7.969	8.579	122.2	126.0	13.86
#2	122.9	21.73	8.155	8.161	120.7	124.0	8.156
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	120.0	20.00					
Range	50.00	50.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Analysis Report

GC Standard

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Avg	5.372	43.83	24.18	302.6
SD	3.008	1.77	3.39	1.1
RSD	55.99	4.038	14.02	.3512

#1	3.245	42.58	21.78	303.4
#2	7.499	45.08	26.58	301.9

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	897	1000	--	--	--	--	--
SD	1.791418	.0000000	--	--	--	--	--
RSD	.1997170	.0000000	--	--	--	--	--
#1	898	1000	--	--	--	--	--
#2	896	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCV Operator:
 Run Time: 03/09/96 16:47:06
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	97.07	2041.	998.2	1019.	50220.	988.3	1017.
SDev	.21	4.	.0		59.	.7	
SRSD	.2165	.1877	.0016	.0299	.1175	.0663	.0188

#1	96.93	2044.	998.2	1019.	50260.	988.8	1017.
#2	97.22	2038.	998.1	1018.	50180.	987.9	1017.

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Ni2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	352.9	950.0	2055.	48780.	50360.	1004.	1030.
SDev	.6	.4	6.	49.	19.	.1	
SRSD	.0634	.0404	.2741	.1011	.0385	.0765	.0257

#1	333.4	379.7	2059.	48820.	50370.	1005.	1031.
#2	332.3	380.3	2051.	48730.	50350.	1003.	1030.

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Ni3302	Ni2316	Tl1409	V_2924	Zn2138	Pb2203	Ni1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	48870.	390.5	1053.	1023.	1022.	1021.	1039.
SDev	31.	.2	3.	1.		2.	1.
SRSD	.0622	.0226	.0017	.0039	.0426	.1935	.1245

#1	48890.	390.3	1049.	1023.	1023.	1023.	1040.
#2	48830.	390.6	1037.	1023.	1022.	1020.	1039.

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1034.	1042.	1020.	1022.	1024.	1039.	1043.
SDev	3.	5.		3.	4.	2.	1.
SRSD	.2567	.5048	.0242	.2779	.3841	.1939	.1133

#1	1032.	1038.	1020.	1024.	1021.	1037.	1044.
#2	1036.	1045.	1020.	1020.	1027.	1040.	1043.

Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sr1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Analysis Report

QC Standard

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Avge	1038.	1017.	997.4	1040.
SDev	1.	4.	1.3	2.
SRSD	.1302	.3597	.1316	.1683

#1	1038.	1015.	998.3	1038.
#2	1037.	1020.	996.4	1041.

Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	852	1000	--	--	--	--	--
SDev	1.084263	.0000000	--	--	--	--	--
SRSD	.1271208	.0000000	--	--	--	--	--
#1	852	1000	--	--	--	--	--
#2	854	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: CCB
 Run Time: 03/09/96 16:52:30
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3290	Al3082	Ea4934	Ea3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.2914	18.10	.4242	.5473	-31.06	.2262	.1588
SEDev	.1293	1.95	.0262	.0827	1.83	.0080	.0665
SRSD	44.37	10.75	6.185	15.29	5.888	3.525	41.86
#1	.3829	19.47	.4056	.4882	-32.36	.2318	.2058
#2	.2000	16.72	.4427	.6065	-29.77	.2206	.1118
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00
Elem	Cr2577	Cu3247	Fe2714	K_7684	Hg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.5839	.3115	11.56	26.01	29.68	.3671	-.0138
SEDev	.1222	.2346	5.01	.43	1.77	.1300	.1718
SRSD	20.88	75.81	43.33	1.850	3.256	33.48	1232.
#1	.4975	.1458	15.10	25.70	25.43	.2752	.1074
#2	.6703	.4774	8.010	26.31	20.93	.4590	-.1333
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	3000.	5000.	15.00	
Elem	Ni3302	Ni2316	Ti1308	V_2024	Zn2138	Pb2203	Se1850
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	253.0	.5203	1.887	.4919	-3.843	.5653	-3.838
SEDev	66.4	.0431	.943	.0881	.049	.1065	4.299
SRSD	26.06	8.288	30.50	17.92	1.278	18.82	110.4
#1	208.0	.4898	1.200	.5542	-3.809	.4905	2-6.926
#2	301.0	.5508	2.534	.4296	-3.878	.6411	-.8557
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	10.00	2.000	5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.9828	.9548	1.864	-.0960	.7313	1.095	1.622
SEDev	.4657	2.155	1.196	.7569	.0535	.725	4.698
SRSD	47.39	225.8	64.17	788.7	7.310	66.22	289.7
#1	1.312	2.479	2.710	-.6311	.6935	1.607	-1.701
#2	.6535	-.5694	1.018	.4392	.7691	.5821	4.944
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

Analysis Report

QC Standard

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Avge	-6.664	-.7467	5.847	1.252
SDev	4.100	2.3162	1.404	.312
SRSD	61.53	310.2	24.01	24.90

#1	-9.563	.8911	6.840	1.472
#2	-3.765	-2.385	4.854	1.031

Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK
--------------------	---------	---------	---------	---------

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	--	--	--	--	--
Waylen	371.030	---	--	--	--	--	--
Avge	879	1000	--	--	--	--	--
SDev	.5185478	.0000000	--	--	--	--	--
SRSD	.0589877	.0000000	--	--	--	--	--
#1	879	1000	--	--	--	--	--
#2	879	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: CCV
 Run Time: 03/09/96 17:31:52
 Comment: CCV CVS1
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	96.94	2024.	998.7	1013.	49920.	986.0	1013.
SDev	.16	2.	.3		10.	.0	1.
SRSD	.1668	.1039	.0311	.0090	.0197	.0032	.1182
#1	96.82	2022.	998.9	1013.	49910.	986.0	1012.
#2	97.05	2025.	998.4	1013.	49930.	986.0	1014.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Ni2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	988.2	981.6	2025.	48900.	50060.	999.6	1030.
SDev	.7	1.0	2.		17.	.4	1.
SRSD	.0736	.0971	.0755	.0001	.0331	.0412	.1108
#1	987.7	980.9	2026.	48900.	50070.	999.9	1029.
#2	988.7	982.2	2024.	48910.	50050.	999.3	1031.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	1000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Ni3302	Ni2316	Tl1308	V_2924	Zn2130	Pb2203	Se1950
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	49750.	986.9	1055.	1020.	1019.	1015.	1035.
SDev	13.	2.6	1.		1.		
SRSD	.0261	.2625	.0700	.0484	.0320	.0389	.0152
#1	49740.	985.0	1055.	1020.	1019.	1015.	1035.
#2	49760.	988.7	1054.	1021.	1018.	1015.	1035.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1031.	1039.	1010.	1017.	1023.	1035.	1034.
SDev	2.	1.	1.		4.	1.	3.
SRSD	.1981	.1317	.1040	.0066	.3548	.1208	.3032
#1	1029.	1038.	1009.	1017.	1020.	1034.	1036.
#2	1032.	1040.	1011.	1017.	1025.	1035.	1031.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					
Elem	19602	Sn1899	Tl3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

Analysis Report

QC Standard

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Avge	1036.	1008.	997.3	1042.			
SDev	1.		.3	2.			
SRSD	.1284	.0166	.0280	.1512			
#1	1035.	1008.	997.5	1041.			
#2	1037.	1008.	997.1	1043.			
Errors	NOCHECK	QC Pass	QC Pass	QC Pass			
Value		1000.	1000.	1000.			
Range		10.50	10.50	10.50			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	854	1000	--	--	--	--	--
SDev	.2828500	.0000000	--	--	--	--	--
SRSD	.0331356	.0000000	--	--	--	--	--
#1	853	1000	--	--	--	--	--
#2	854	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE
Run Time: 03/09/96 17:37:18
Comment: CCB
Mode: CONC

Sample Name: CCB
Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-.0000	7.791	.4310	.6375	-40.39	.1669	.3768
SDev	.0081	.704	.1126	.1341	6.76	.0564	.0579
%RSD	27180.	9.030	26.12	21.03	16.73	33.77	15.36
#1	.0057	7.293	.3514	.5427	-45.17	.1271	.4177
#2	-.0057	8.228	.5106	.7324	-35.61	.2068	.3358
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2700	Mn2576	Ni2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.5222	.1245	2.454	18.78	17.70	.4032	.3483
SDev	.0563	.0586	.721	.62	5.69	.0772	.0901
%RSD	10.45	47.08	29.82	3.298	32.14	19.18	6.655
#1	.7832	.0331	1.924	18.34	13.68	.3486	.3697
#2	.2624	.1860	2.344	19.21	21.73	.4578	.3270
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	25.00	100.0	5000.	5000.	15.00	
Elem	Ni2302	Ni2315	Ti1908	V_2924	Zn2138	Pb2293	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	221.1	.7127	.3983	.4860	-3.349	.0700	-3.483
SDev	117.7	.1290	.4113	.2136	.007	.6983	2.457
%RSD	53.22	60.64	45.36	81.12	2.462	983.8	42.03
#1	304.3	.3039	.6070	.1859	-4.017	-.4167	-4.500
#2	137.9	.1215	1.190	.6860	-3.880	.5566	-2.427
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1.657	-.6345	.4421	-.1294	1.509	1.718	-2.335
SDev	.328	1.4467	.8648	1.4636	.203	.593	1.410
%RSD	19.77	228.0	195.6	1131.	13.46	34.50	60.39
#1	1.889	-1.657	1.054	-1.164	1.365	2.137	-3.332
#2	1.426	.3885	-.1694	.9055	1.653	1.299	-1.338
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

Analysis Report

QC Standard

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Avge	-4.048	-.4608	1.909	1.378
SDev	1.483	.7928	1.241	.863
%RSD	36.63	172.1	65.01	62.63
#1	-5.096	.0998	2.786	1.938
#2	-2.999	-1.021	1.031	.7677

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	882	1000	--	--	--	--	--
SDev	.7071499	.0000000	--	--	--	--	--
%RSD	.0801929	.0000000	--	--	--	--	--
#1	881	1000	--	--	--	--	--
#2	882	1000	--	--	--	--	--

AR319499

Analysis Report

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Method: CLPSUE Sample Name: 788512
 Run Time: 03/09/96 17:42:42
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	-.1029	21.83	.1403	.3185	-51.17	-.7072	-.3875
SDev	.0899	3.57	.0599	.0594	.08	.0119	.1799
%RSD	86.41	16.34	42.72	18.65	.1572	1.678	46.43
#1	-.0400	24.35	.1826	.3605	-51.11	-.7156	-.5147
#2	-.1658	19.30	.0979	.2765	-51.22	-.6938	-.2603
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7864	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.7358	-.5392	18.43	25.63	4.176	.2670	.4577
SDev	.3930	.0598	4.47	3.98	.340	.0276	.1136
%RSD	52.05	10.90	24.23	15.53	8.134	10.32	24.82
#1	1.007	-.4977	21.59	28.45	3.936	.2865	.3774
#2	.4650	-.5308	15.27	22.82	4.416	.2476	.5381
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	
Elem	Na3302	Ni2916	Pb1908	V_2924	Zn2158	Zn2203	Zn1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	528.0	-.2743	-3.254	-.0080	-1.843	1.299	-2.818
SDev	22.0	.0681	.416	.0946	.094	.837	.985
%RSD	4.176	32.11	7.923	1180.	5.123	64.39	36.85
#1	543.6	-.2122	-4.959	-.0742	-1.910	.7078	-1.936
#2	512.4	-.3369	-5.548	.0589	-1.776	1.891	-3.300
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	-.6307	-2.535	4.617	-.3709	-.4912	-.7145	-6.655
SDev	.2877	1.015	.248	1.1305	1.6176	.3762	.306
%RSD	45.62	40.03	5.372	304.8	329.3	52.66	4.604
#1	-.4273	-1.818	4.441	-1.170	.6526	-.9805	-6.872
#2	-.8342	-3.253	4.792	.4285	-1.635	-.4484	-6.438
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3342	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

AR319500

Analysis Report

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Avgc	-.6159	9.969	2.036	-.8434			
SDay	1.5990	1.287	1.561	.2770			
SRSD	259.6	12.91	76.67	32.84			
#1	.5148	10.88	2.140	-.6476			
#2	-1.747	9.059	.9323	-1.039			
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK			
High							
Low							
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	953	1000	--	--	--	--	--
SDay	2.215708	.0000000	--	--	--	--	--
SRSD	.2696504	.0000000	--	--	--	--	--
#1	953	1000	--	--	--	--	--
#2	953	1000	--	--	--	--	--

AR319501

Analysis Report

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page 1

Method: CLPSUE
Run Time: 03/09/96
Comment:
Mode: CONC

Sample Name: PLCS5783746
17:48:06
Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Ba3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	97.63	1787.	28.44	93.09	920700.	209.8	763.1
SDev	.06		.02	.08	382.	.1	.3
%RSD	.0662	.0092	.0825	.0829	.0415	.0501	.0383
#1	97.68	1787.	28.42	93.03	920400.	209.8	762.9
#2	97.59	1787.	28.46	93.14	921000.	209.7	763.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	145.0	2120.	200.0	111.5		275.5	810.0
Low	77.50	1125.	.0000	82.50		178.5	625.0
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	309.3	32720.	113000.	645.0	574200.	1018.	268.8
SDev	.3	107.	113.	4.0	60.		1.1
%RSD	.0311	.3282	.0997	.6235	.0104	.0338	.4003
#1	309.4	32650.	112900.	642.2	574100.	1018.	268.1
#2	309.2	32800.	113100.	647.9	574200.	1018.	269.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	500000.	135400.	8000.	849500.	1103.	
Low	396.0	.0000	88250.	.0000	502000.	835.0	
Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	3174.	298.5	203.3	345.9	973.7	1169.	208.2
SDev	38.	.5	.0	.0	.9		.9
%RSD	1.140	.1793	.0057	.0082	.0911	.0354	.4134
#1	3148.	298.9	203.3	345.9	973.0	1168.	208.8
#2	3199.	298.1	203.3	345.9	974.3	1169.	207.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	363.0	267.5	399.5	1180.	1425.	297.0
Low	.0000	246.0	123.0	258.5	690.0	940.0	95.50
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1230.	5341.	1169.	1168.	1218.	1235.	200.4
SDev		6.	1.		4.	2.	.5
%RSD	.0239	.1082	.0474	.0293	.3333	.1284	.2522
#1	1229.	5337.	1169.	1168.	1215.	1236.	200.0
#2	1230.	5345.	1170.	1169.	1221.	1234.	200.7
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1470.	5994.					
Low	635.0	3175.					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avg	212.1	41.04	41.81	456.4
SDev	1.6	2.59	1.31	.6
%RSD	.7352	6.310	3.139	.1298
#1	213.2	39.21	42.73	456.0
#2	211.0	42.88	40.88	456.8

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	761	1000	--	--	--	--	--
SDev	1.267123	.0000000	--	--	--	--	--
%RSD	.1796005	.0000000	--	--	--	--	--
#1	760	1000	--	--	--	--	--
#2	762	1000	--	--	--	--	--

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Analysis Report

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Method: CLPSUE Sample Name: PLCS5783746

Operator:

Run Time: 03/09/96 17:53:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ea4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	19.92	470.8	6.042	20.97	196300.	44.53	160.6
SDev	.04	.1	.042	.01	707.	.06	.3
SRSD	.2041	.0241	.7030	.0522	.3602	.1295	.1884
#1	19.84	470.9	6.011	20.96	195800.	44.49	160.4
#2	19.79	470.7	6.072	20.98	196800.	44.58	160.8
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High					225600.		
Low					166900.		
Elem	Cr2677	Cu3247	Fe2714	K_7964	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	108.3	8891.	24230.	202.8	118700.	214.6	55.39
SDev	.0	.19.	.49.	5.8	220.	.3	.20
SRSD	.0489	.2360	.1661	2.878	.1849	.1561	.3674
#1	108.3	8902.	24200.	198.4	118600.	214.3	55.25
#2	108.3	8879.	24260.	208.7	118900.	214.8	55.54
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High		7820.			129900.		
Low		6008.			100400.		
Elem	Na3302	Ni2316	Ti1939	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1388.	64.60	42.51	70.44	188.5	244.9	43.01
SDev	121.	.01	2.89	.05	.5	.2	3.19
SRSD	3.692	.0120	6.349	.0717	.2834	.0766	6.884
#1	1303.	64.60	44.21	70.41	188.2	245.0	42.82
#2	1473.	64.59	40.41	70.48	188.9	244.8	47.20
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	247.7	1091.	245.3	244.7	242.5	250.3	44.23
SDev	.6	2.	.3	.4	1.7	1.7	1.99
SRSD	.2319	.1816	.1136	.1718	.6938	.6801	4.507
#1	247.3	1093.	245.1	245.0	243.7	249.1	42.82
#2	248.1	1090.	245.5	244.4	241.3	251.5	45.64
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avg	45.38	8.825	15.06	90.31			
SD	3.65	2.327	2.08	.93			
%RSD	8.043	26.37	13.79	1.033			
#1	42.80	10.47	13.59	90.97			
#2	47.96	7.179	16.53	89.65			
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK			
High							
Low							
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	818	1000	--	--	--	--	--
SD	1.097117	.0000000	--	--	--	--	--
%RSD	.2075626	.0000000	--	--	--	--	--
#1	819	1000	--	--	--	--	--
#2	818	1000	--	--	--	--	--

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Analysis Report

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Method: CLPSUE Sample Name: 783743
 Run Time: 03/09/96 17:58:54
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2466	33800.	56.34	.6886	1765.	-2.020	1.173
SDev	.1697	22.	.01	.0131	16.	.021	.101
SRSD	68.82	.0644	.0159	1.895	.9178	1.019	8.600
#1	-.1266	33790.	56.33	.6979	1776.	-2.006	1.245
#2	-.3666	33820.	56.34	.6794	1753.	-2.035	1.102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7864	Mg2790	Mn2576	Mo2820
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	76.37	8.054	29180.	284.1	506.6	89.13	1.331
SDev	.68	.367	62.	7.6	6.2	.32	.463
SRSD	.6962	4.536	.2121	2.688	1.214	.0180	34.77
#1	76.85	8.213	29220.	289.5	510.9	89.14	1.658
#2	75.38	7.794	29130.	278.7	502.2	89.11	1.083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	450000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-3.000
Elem	Na2302	Ni2316	Tl2308	V_2324	Zn2138	Pb2203	Sa1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2061.	7.009	-5.114	109.4	6.520	26.03	1.309
SDev	55.	.022	1.576	.2	.165	.71	.525
SRSD	2.660	.3124	30.81	.1817	2.526	2.711	40.13
#1	2100.	6.993	-4.000	109.5	6.404	26.53	1.681
#2	2022.	7.024	-6.229	109.2	6.637	25.53	.9377
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.095	5.711	41.17	18.45	.4731	1.391	-6.121
SDev	.207	2.582	.93	.60	1.022	.200	2.327
SRSD	18.91	45.22	2.256	3.226	216.0	14.37	38.02
#1	.9482	7.537	41.82	18.87	-.2495	1.532	-4.475
#2	1.241	3.885	40.51	18.03	1.196	1.249	-7.766
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	5.005	8.483	146.5	1.189			
SDev	.374	2.499	5.9	.969			
%RSD	7.474	29.46	4.028	81.52			
#1	4.740	6.716	150.7	1.874			
#2	5.269	10.25	142.3	.5035			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	271.030	--	--	--	--	--	--
Avge	860	1000	--	--	--	--	--
SEDev	2.969987	.0000000	--	--	--	--	--
%RSD	.3453969	.0000000	--	--	--	--	--
#1	858	1000	--	--	--	--	--
#2	862	1000	--	--	--	--	--

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Analysis Report

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Method: CLPSUE Sample Name: 783745
 Run Time: 03/09/96 18:04:18
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2408	28910.	50.75	.6668	1585.	-1.590	.8990
SDev	.1293	14.	.05	.0136	3.	.127	.2153
%RSD	53.71	.0488	.0892	2.046	.1949	7.965	23.95
#1	-.1493	28920.	50.79	.6571	1587.	-1.500	1.051
#2	-.3322	28900.	50.72	.6764	1582.	-1.679	.7467
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7064	Hg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	41.82	6.672	23590.	255.1	427.8	87.34	2.281
SDev	.10	.284	18.	2.1	2.4	.02	.170
%RSD	.2424	3.958	.0766	.8329	.5668	.0209	7.448
#1	41.39	6.858	23610.	256.6	429.5	87.35	2.401
#2	41.75	6.485	23580.	253.6	426.0	87.33	2.163
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	250000.	480000.	800000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-3000.	-15.00	-5.000
Elem	Nb3302	Ni2316	Ti1908	V_2024	Zn2139	Zr2203	Zr1980
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1833.	6.893	-3.480	84.92	7.368	22.74	2.693
SDev	16.	.424	.367	.15	.129	.79	.900
%RSD	4.038	6.177	10.56	.1744	1.876	3.488	33.41
#1	1947.	6.244	-3.740	84.82	7.290	23.30	2.057
#2	1839.	5.546	-3.220	85.03	7.486	22.18	3.329
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.068	4.114	34.89	16.66	-.4215	1.798	-2.537
SDev	1.997	.404	1.81	.28	.9346	2.528	2.738
%RSD	187.0	9.810	5.200	1.709	221.7	140.6	107.9
#1	2.480	3.829	36.17	16.86	.2393	3.585	-4.472
#2	-.3444	4.399	33.61	16.46	-1.082	.0101	-.6008
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

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Avg	5.290	8.244	134.7	.8731			
SDev	.018	.018	1.8	3.273			
\$RSD	.3363	.2237	1.347	374.9			
#1	5.302	8.257	136.0	3.187			
#2	5.277	8.231	133.5	-1.441			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	867	1000	--	--	--	--	--
SDev	1.225698	.0000000	--	--	--	--	--
\$RSD	.1414087	.0000000	--	--	--	--	--
#1	865	1000	--	--	--	--	--
#2	863	1000	--	--	--	--	--

AR319509

Analysis Report

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Method: CLPSUE Sample Name: 783744
 Run Time: 03/09/96 18:09:42
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	44.54	44500.	1916.	45.65	1601.	44.41	471.7
SDev	.04	96.	2.	.14	9.	.09	2.3
%RSD	.0911	.2153	.0831	.3087	.5591	.2027	.4842
#1	44.56	44440.	1917.	45.55	1594.	44.35	470.1
#2	44.51	44570.	1914.	45.75	1607.	44.47	473.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	263.3	243.6	28710.	403.5	575.7	546.4	1.115
SDev	.9	.6	113.	2.8	.7	2.2	.185
%RSD	.3370	.2266	.3941	.7047	.1202	.4067	17.30
#1	263.3	244.0	28630.	401.5	575.2	544.8	1.253
#2	264.5	243.3	28790.	405.5	576.2	547.9	.3767
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	200000.	430000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-3.000
Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1980
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	2536.	473.2	1858.	577.6	474.1	494.0	1567.
SDev	72.	3.3	4.	1.8	2.0	3.3	
%RSD	2.830	.7011	.2260	.3184	.4222	.6618	.0159
#1	2485.	472.9	1855.	576.3	472.6	491.7	1667.
#2	2587.	477.6	1861.	578.9	475.5	496.3	1667.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	195.7	1768.	513.0	484.5	190.2	198.4	1652.
SDev	3.4	3.	1.8	5.8	5.1	2.6	3.
%RSD	1.745	.1532	.3426	1.193	2.661	1.307	.1824
#1	193.3	1766.	514.2	480.4	186.6	196.6	1650.
#2	198.1	1770.	511.8	488.6	193.8	200.2	1654.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

AR319510

Analysis Report

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Avge	1674.	10.11	136.9	1.765			
SDev	1.	1.46	.6	1.992			
SRSD	.0661	14.49	.4284	112.9			
#1	1675.	11.15	136.5	3.174			
#2	1674.	9.076	137.3	.3563			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	380	1000	--	--	--	--	--
SDev	2.074278	.0000000	--	--	--	--	--
SRSD	.2412391	.0000000	--	--	--	--	--
#1	361	1000	--	--	--	--	--
#2	352	1000	--	--	--	--	--

AR319511

Analysis Report

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page 1

Method: CLPSUE

Sample Name: SDI783743

Operator:

Run Time: 03/09/96 18:15:06

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Ba3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-.0871	6917.	11.85	.2969	308.3	-.7345	.2969
SDev	.4041	5.	.06	.0009	1.7	.2049	.1164
SRSD	464.2	.0667	.4705	.3107	.5557	27.90	39.22
#1	.1987	6921.	11.81	.2963	309.5	-.5896	.2145
#2	-.3728	6914.	11.89	.2976	307.1	-.8794	.3793
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fa2714	K_7664	Mg2790	Mn2576	Ns2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	16.23	1.341	5938.	94.97	102.0	18.14	-.0694
SDev	.04	.014	2.	5.21	.4	.05	.0755
SRSD	.2880	1.080	.0280	5.481	14356	.2625	108.8
#1	16.26	1.331	5940.	93.65	101.7	18.17	-.0160
#2	16.20	1.352	5937.	91.29	102.4	18.10	-.1227
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	450000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-3.000
Elem	Ns3302	Ni2316	Tl1908	V_2924	Zn2138	Zn2203	Zn1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	127.9	2.384	.9708	22.11	-1.805	5.158	-.3812
SDev	121.4	.049	2.280	.12	.139	.074	2.1920
SRSD	13.08	2.056	234.8	.5546	7.707	1.440	575.0
#1	1314.	2.419	2.583	22.03	-1.904	5.211	1.169
#2	842.1	2.350	-.6410	22.20	-1.707	5.106	-1.931
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.8014	.8352	7.917	3.767	-.8298	1.602	-1.672
SDev	.2442	1.346	1.234	.726	1.0558	.894	.710
SRSD	30.47	161.2	15.59	19.28	127.4	55.82	37.92
#1	.9741	1.787	7.044	4.280	-1.575	2.235	-1.370
#2	.6287	-.1166	8.789	3.253	-.0823	.9700	-2.374
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	.3493	.2957	31.78	1.845			
SDev	2.932	1.213	3.29	1.668			
%RSD	839.3	410.2	10.35	90.43			
#1	2.422	-.5621	34.10	3.025			
#2	-1.724	1.153	29.45	.6653			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	872	1000	--	--	--	--	--
SDev	2.262880	.0000000	--	--	--	--	--
%RSD	.2596504	.0000000	--	--	--	--	--
#1	870	1000	--	--	--	--	--
#2	873	1000	--	--	--	--	--

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Analysis Report

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Method: CLPSUE Sample Name: 783747
Run Time: 03/09/96 18:20:29
Comment:
Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.2230	14270.	45.81	.5922	2704.	1.982	1.572
SDev	.1697	18.	.05	.0033	1.	.017	.053
%RSD	76.11	.1251	.1005	.5631	.0415	.8522	3.378
#1	.3430	14230.	45.84	.5898	2705.	1.970	1.534
#2	.1030	14260.	45.78	.5946	2703.	1.994	1.609
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	800000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Hg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	33.51	9.334	12020.	250.3	426.1	75.24	1.386
SDev	.14	.132	4.	6.8	1.2	.19	.055
%RSD	4118	1.379	.0346	2.705	.2854	.2495	3.520
#1	33.60	9.573	12020.	255.1	429.0	76.02	1.923
#2	33.41	9.491	12020.	245.5	427.2	75.91	1.839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	400000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-30.000
Elem	Ni2302	Ni2316	Ti1908	V_2824	Zn2138	Zn2203	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	2429.	5.372	-4.380	48.86	69.72	42.95	-2.502
SDev	44.	.191	2.370	.04	.05	.34	.123
%RSD	1.813	3.258	62.86	.0913	.0811	.7878	4.392
#1	2451.	5.005	-2.544	46.89	69.68	43.19	-2.715
#2	2398.	5.735	-6.615	46.83	69.76	42.71	2.689
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1.260	1.793	52.68	38.07	1.132	1.309	-13.24
SDev	.440	1.392	.08	.55	.564	.378	2.62
%RSD	34.92	77.63	.1456	1.433	49.81	28.87	19.82
#1	.9486	2.777	52.63	38.45	.7334	1.042	-11.39
#2	1.571	.8088	52.74	37.68	1.531	1.577	-15.10
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	2.397	11.19	154.9	1.623
SDev	1.126	5.02	3.8	.077
SRSD	46.97	44.83	2.421	4.735
#1	1.601	7.646	157.6	1.569
#2	3.193	14.74	152.3	1.678
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		-20.00	-30.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	856	1000	--	--	--	--	--
SDev	2.451439	.0000000	--	--	--	--	--
SRSD	.1931491	.0000000	--	--	--	--	--
#1	856	1000	--	--	--	--	--
#2	856	1000	--	--	--	--	--

Analysis Report

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Method: CLPSUE Sample Name: 783748
 Run Time: 03/09/96 18:25:53
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Aj3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-.4642	26230.	1219.	4.106	1087.	-4.309	.0176
SDev	.0647	46.	1.	.029	4.	.034	.1177
%RSD	13.93	.1764	.0625	.7115	.4136	.7912	670.3
#1	-.4185	26200.	1219.	4.126	1084.	-4.333	-.0656
#2	-.5100	26270.	1220.	4.085	1090.	-4.285	.1007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	125.7	7.757	87770.	978.9	965.2	18.15	-.5306
SDev	.2	.235	25.	.7	3.8	.05	.1868
%RSD	.1978	3.026	.1079	.0697	.3978	.2723	35.21
#1	125.5	7.591	87700.	976.4	962.5	18.12	-.3995
#2	125.3	7.923	87840.	977.4	967.9	18.19	-.6627
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	450000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-3.000
Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	2444.	4.452	.9535	176.4	19.25	51.85	1.260
SDev	65.	.257	1.229	.3	.25	.17	.569
%RSD	2.648	5.782	129.9	.1596	1.060	.3240	45.14
#1	2399.	4.270	1.829	176.2	19.11	51.73	.8576
#2	2489.	4.634	.0779	176.6	19.40	51.97	1.662
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	2.339	3.618	58.89	48.32	-.1661	3.576	-9.422
SDev	.011	.053	2.35	1.42	2.8121	1.388	.456
%RSD	.4670	1.469	3.983	2.945	1693.	38.80	4.841
#1	2.331	3.656	60.55	47.31	-2.155	4.557	-9.099
#2	2.347	3.580	57.23	49.33	1.822	2.595	-9.744
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Tl3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

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Avg	6.580	7.327	129.4	4.049			
SDav	1.078	2.251	.0	.974			
%RSD	16.38	30.72	.0255	24.05			
#1	5.818	5.735	129.4	4.737			
#2	7.342	8.918	129.4	3.360			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	875	1000	--	--	--	--	--
SDav	1.131597	.0000000	--	--	--	--	--
%RSD	.1292763	.0000000	--	--	--	--	--
#1	374	1000	--	--	--	--	--
#2	375	1000	--	--	--	--	--

AR319517

Analysis Report

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Method: CLPSUE Sample Name: 763749
 Run Time: 03/09/96 18:31:17
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5765	6898.	12.51	.3255	676.0	-.8388	.1291
SDev	.0162	11.	.07	.0104	1.2	.0247	.1845
%RSD	2.804	.1621	.5895	3.209	.1732	2.940	142.9
#1	.5880	6906.	12.56	.3329	676.8	-.8563	.2596
#2	.5651	6891.	12.46	.3181	675.2	-.8214	-.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	20.75	2.281	1703.	195.9	203.2	9.961	-.2685
SDev	.52	.015	5.	2.2	1.2	.027	.6126
%RSD	2.490	.6442	.2904	1.099	.5797	.3037	228.1
#1	21.11	2.292	1706.	197.4	207.4	9.942	-.7017
#2	20.39	2.271	1699.	194.3	209.1	9.980	.1646
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	450000.	600000.	23000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-3.000
Elem	Na3302	Ni2316	Ti1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2418.	2.753	-3.465	9.051	17.72	6.950	1.613
SDev	9.	.138	.732	.007	.04	.053	.223
%RSD	.3525	4.998	21.15	.7409	.2366	.7592	14.43
#1	2412.	2.866	-2.947	9.004	17.69	6.913	1.779
#2	2424.	2.671	-3.983	9.099	17.75	6.938	1.450
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1690	22031	22032	20631	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.9146	-2.640	13.88	3.475	.1963	1.259	-6.028
SDev	.1046	1.636	.39	.276	.5823	.134	4.381
%RSD	11.43	61.96	2.843	7.947	296.7	10.64	72.69
#1	.9886	-1.483	14.16	3.280	.6080	1.165	-9.126
#2	.8407	-3.797	13.60	3.670	-.2155	1.354	-2.930
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

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Avge	5.416	6.855	150.3	2.468			
SDev	2.537	5.377	2.0	.815			
\$RSD	46.84	78.44	1.316	33.02			
#1	7.210	10.66	148.9	3.044			
#2	3.622	3.053	151.7	1.892			
Errors	NOCHECK	LC Pass	LC Pass	LC Pass			
High		10000.	10000.	10000.			
Low		-20.00	-30.00	-10.00			
IntStd	1	2	3	4	5	6	7
Node	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	867	1000	--	--	--	--	--
SDev	2.451395	.0000000	--	--	--	--	--
\$RSD	.2226218	.0000000	--	--	--	--	--
#1	366	1000	--	--	--	--	--
#2	369	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: CCV
 Run Time: 03/09/96 18:36:41
 Comment: CCV CVS1
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	97.51	2010.	992.9	1011.	50040.	992.0	1013.
SDev	.48	3.	.7	2.	154.	1.5	2.
%RSD	.4889	.1420	.0659	.1892	.3068	.1520	.2013
#1	97.18	2012.	993.4	1009.	49930.	990.9	1011.
#2	97.85	2008.	992.4	1012.	50150.	993.0	1014.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	2000.	1000.	1000.	30000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Cr2677	Cu3247	Fe2714	K_7664	Ng2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	989.3	1010.	2029.	48900.	40980.	999.8	1031.
SDev	3.5	2.	11.	32.	59.	1.9	5.
%RSD	.3538	.2471	.5292	.0654	.1188	.1950	.4418
#1	986.8	1011.	2021.	48930.	49920.	998.4	1028.
#2	991.8	1008.	2036.	48860.	50010.	1001.	1034.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	30000.	30000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Ni3302	Ni2316	Tl1308	V_1324	Zn2138	Zn2202	Fe1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	49730.	930.3	1055.	1022.	1023.	1015.	1044.
SDev	10.	1.1	1.	1.	2.	4.	2.
%RSD	.0326	.1124	.0367	.1015	.2266	.3468	.1820
#1	49720.	939.7	1055.	1021.	1021.	1013.	1045.
#2	49740.	931.3	1055.	1023.	1025.	1018.	1042.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	30000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1033.	1044.	1013.	1016.	1020.	1039.	1036.
SDev	1.	3.	5.	3.	2.	2.	6.
%RSD	.0624	.2645	.4500	.2955	.2139	.1979	.6226
#1	1033.	1046.	1009.	1014.	1019.	1041.	1040.
#2	1032.	1042.	1016.	1019.	1022.	1038.	1031.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

QC Standard

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page 2

Avge	1048.	1011.	1001.	1045.			
SDav		1.	1.	3.			
%RSD	.0355	.1046	.0624	.2556			
#1	1048.	1012.	1000.	1047.			
#2	1048.	1010.	1001.	1044.			
Errors	NOCHECK	QC Pass	QC Pass	QC Pass			
Value		1000.	1000.	1000.			
Range		10.50	10.50	10.50			
IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	857	1000	--	--	--	--	--
SEav	.3485362	.0000000	--	--	--	--	--
%RSD	.0989767	.0000000	--	--	--	--	--
#1	858	1000	--	--	--	--	--
#2	857	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCB Operator:
 Run Time: 03/09/96 18:42:05
 Comment: CCB
 Mode: CONC Corr. Factor: 1

Elem	Ag3290	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2285
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	-.0743	-2.081	.4314	.4899	-41.35	.1515	.6170
SDev	.0162	1.653	.0519	.0135	1.33	.0356	.0813
SRSD	21.75	79.43	12.02	2.764	3.227	23.52	13.18
#1	-.0258	-3.250	.4681	.4995	-40.41	.1767	.5595
#2	-.0629	-.9121	.3948	.4804	-42.30	.1263	.6745
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00
Elem	Cu3247	Cu3247	Fa2714	Hg7864	Hg2730	Mn2576	Mn2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.4056	.4873	10.00	19.61	18.65	.4286	.7616
SDev	.4505	.0142	2.35	10.54	.77	.0270	.1135
SRSD	111.1	3.056	26.81	53.77	4.151	6.155	14.91
#1	.7242	.4970	12.02	27.06	19.21	.4577	.8419
#2	.0870	.4783	7.987	12.15	19.11	.4105	.6813
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	25.00	100.0	5000.	5000.	15.00	
Elem	Ni3302	Ni3316	Tl1208	V_2324	Zn2133	Zn2203	Zn1250
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	217.7	.4895	-.2418	.3750	-3.951	.2695	-1.617
SDev	130.3	.2612	.4007	.2514	.002	.1142	2.618
SRSD	58.96	53.37	246.5	63.52	.0423	42.36	161.8
#1	251.6	.6742	-.4886	.5608	-3.950	.3504	-2.486
#2	83.83	.3048	.2054	.1912	-3.952	.1899	.2381
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1.835	1.536	.2217	.2799	1.927	1.777	-1.570
SDev	.374	.197	1.300	.8203	2.181	1.651	4.252
SRSD	20.37	12.80	586.3	293.0	113.2	92.91	270.9
#1	1.571	1.397	-.6976	.8600	3.470	.6094	-4.576
#2	2.100	1.676	1.141	-.3001	.3850	2.944	1.437
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	50.00	10.00					
Elem	19602	Sn1899	Tl3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	-1.653	-2.303	1.897	.3556
SDev	1.799	1.563	3.847	1.071
%RSD	108.8	67.86	202.8	301.2
#1	-2.926	-3.409	4.618	1.113
#2	-.3814	-1.198	-.8232	-.4018

Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK
--------------------	---------	---------	---------	---------

IntStd Mode	1 Counts	2 Time	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	884	1000	--	--	--	--	--
SDev	2.168579	.0000000	--	--	--	--	--
%RSD	.2453391	.0000000	--	--	--	--	--
#1	882	1000	--	--	--	--	--
#2	885	1000	--	--	--	--	--

Analysis Report

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Method: CLPSUE Sample Name: FDS783743
 Run Time: 03/09/96 18:47:30
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	11.62	33720.	56.55	10.84	1703.	8.717	108.5
SDev	.37	32.	.07	.01	3.	.014	.1
%RSD	3.199	.0951	.1171	.0492	.1785	.1590	.0615
#1	11.88	33740.	56.60	10.84	1701.	8.707	108.5
#2	11.36	33700.	56.50	10.85	1705.	8.726	108.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	97.42	60.84	29080.	333.9	467.1	120.6	1.730
SDev	.00	.12	18.	4.2	1.7	.3	.338
%RSD	.0031	.1927	.0632	1.247	.3539	.2782	19.55
#1	97.42	60.75	29050.	331.0	466.2	120.4	1.491
#2	97.41	60.92	29090.	336.8	468.0	120.9	1.969
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	200000.	450000.	600000.	25000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	-3.000
Elem	Ni3302	Ni2316	Ti1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	2337.	91.23	18.28	219.7	45.78	32.30	10.60
SDev	.2	.10	1.76	.2	.18	.03	.13
%RSD	.1365	.1101	9.619	.0710	.3891	.0869	1.224
#1	2330.	91.22	17.04	219.6	45.88	32.32	10.51
#2	2335.	91.36	19.52	219.9	45.62	32.28	10.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	25000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	125.0	25.73	47.67	24.61	122.3	126.3	4.824
SDev	1.4	.26	.16	.12	2.5	.9	5.176
%RSD	1.130	1.002	.3334	.4982	2.007	.7057	119.7
#1	126.0	25.54	47.55	24.69	124.1	126.9	.6644
#2	124.0	25.91	47.78	24.52	120.6	125.6	7.984
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	10000.	25000.					
Low	-60.00	-10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Avge	13.72	7.989	147.9	2.965
SDav	2.39	.557	.8	1.377
SRSD	17.42	6.974	.5425	46.44
#1	15.40	8.383	148.5	3.939
#2	12.03	7.595	147.4	1.991
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		-20.00	-30.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NCTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	885	1000	--	--	--	--	--
SDav	1.131397	.0000000	--	--	--	--	--
SRSD	.1278254	.0000000	--	--	--	--	--
#1	884	1000	--	--	--	--	--
#2	388	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: ICSA
 Run Time: 03/09/96 18:52:53
 Comment: ICSA ICSA
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	.0928	553800.	2.056	.6051	536600.	-5.065	-1.771
SDev	.0727	1355.	.017	.0771	1191.	.005	.495
SRSD	78.40	.2447	.8443	12.74	.2219	.1066	27.95
#1	.1442	552900.	2.068	.6596	535700.	-5.062	-2.121
#2	.0413	554800.	2.044	.5506	537400.	-5.069	-1.421
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		
Elem	Cr2677	Cu3247	Fe2714	K_7064	Mg2799	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	29.58	5.038	206200.	34.90	345300.	-17.97	-2.323
SDev	.49	.146	173.	15.40	2666.	.15	.427
SRSD	1.667	2.906	.0848	44.81	.4385	.0269	13.39
#1	29.30	4.933	206200.	45.43	343900.	-17.36	-2.625
#2	29.23	5.143	206400.	23.37	347700.	-18.07	-2.021
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		160700.		323900.		
Range	30.00		50.00		50.00		
Elem	Ni3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Ce1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	362.3	185.4	-7.728	-18.14	-21.63	2.388	-5.382
SDev	43.5	1.5	1.069	.29	.04	.321	1.365
SRSD	11.82	.9068	13.83	1.582	.1839	43.80	16.68
#1	399.3	164.3	-8.482	-12.34	-21.02	1.447	-7.125
#2	337.7	166.5	-6.371	-17.94	-21.68	2.745	-5.329
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	Sb2068	As1890	22031	22032	20681	20682	19631
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	2.367	-.2878	177.0	-85.25	-5.233	6.149	-10.87
SDev	1.406	.5370	1.3	.74	3.917	4.063	1.34
SRSD	59.42	186.6	.7223	.8704	74.78	66.07	12.29
#1	3.361	-.6675	176.1	-85.77	-8.007	9.022	-11.81
#2	1.372	.0919	177.9	-84.72	-2.468	3.276	-9.924
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	19602	Sn1899	Tl3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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QC Standard

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Avga	-4.158	-5.373	-48.29	8.158
SDav	.929	2.838	3.19	.855
SRSD	22.35	52.82	6.610	10.48
#1	-4.815	-7.380	-46.04	8.763
#2	-3.500	-3.367	-50.55	7.553
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avga	771	1000	--	--	--	--	--
SDav	.6599778	.0000000	--	--	--	--	--
SRSD	.0252552	.0000000	--	--	--	--	--
#1	770	1000	--	--	--	--	--
#2	771	1000	--	--	--	--	--

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Analysis Report

QC Standard

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Method: CLPSUE Sample Name: ICSAB
 Run Time: 03/09/96 18:58:16
 Comment: ICSAB ICSAB
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	979.6	563300.	527.2	513.7	541200.	955.3	533.7
SDev	1.1	495.	.1	.1	429.	.2	.0
SRSD	.1105	.0979	.0252	.0138	.0793	.0223	.0068
#1	978.9	563600.	527.3	513.8	541600.	955.4	533.7
#2	980.4	562900.	527.1	513.7	540900.	955.1	533.8
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	324800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	518.4	546.9	208700.	22.08	553400.	474.1	1018.
SDev	.8	.5	.7	3.40	143.	.3	.3
SRSD	.1378	.0910	.0227	13.41	.0269	.0644	.2938
#1	517.8	546.6	208700.	24.49	553500.	473.9	1011.
#2	519.0	547.3	208700.	19.67	553300.	474.3	1020.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	507.0	191800.		329900.	434.0	
Range	20.00	20.00	20.00		20.00	20.00	
Elem	Na3302	Ni2316	Ti1908	V_2924	Zn2138	Pb2208	Fe1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	714.3	953.3	432300.	380.9	1046.	3152.	10488
SDev	97.7	.1	2.323	.3	2.	.3	1.2152
SRSD	12.28	.0053	655.0	.1199	.1368	.0391	11040.
#1	776.3	953.2	-1.571	501.4	1047.	3153.	9.788
#2	632.2	953.3	2.436	390.5	1043.	3150.	9.678
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		892.0		485.0	341.0	4535.	
Range		20.00		20.00	20.00	20.00	
Elem	Sb2068	As1890	Zn2031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	12.06	-0.3195	5336.	5060.	5.945	15.10	-7.491
SDev	5.14	.7097	10.	1.	3.906	5.76	9.287
SRSD	42.62	86.59	.1945	.0259	65.71	38.13	124.0
#1	8.427	-.3177	5343.	5059.	3.183	11.03	-14.00
#2	15.70	-1.321	5329.	5060.	2.707	19.17	-.9243
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

Analysis Report

QC Standard

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Avge	3.656	1039.	959.4	1118.
SDav	3.257	7.	.4	5.
%RSD	89.09	.6564	.0455	.4416

#1	1.353	1044.	959.1	1115.
#2	5.960	1034.	959.7	1121..

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	764	1000	--	--	--	--	--
SDav	1.367128	.0000000	--	--	--	--	--
%RSD	.1788955	.0000000	--	--	--	--	--
#1	763	1000	--	--	--	--	--
#2	765	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: CRI Operator:
 Run Time: 03/09/96 19:03:40
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	12.62	275.9	.2721	10.68	244.8	10.70	103.5
SDev	.47	176.6	.2062	.17	198.6	.46	.6
%RSD	3.714	64.02	75.78	1.586	81.13	4.343	.5513
#1	12.95	400.7	.4179	10.80	385.2	11.03	103.9
#2	12.29	151.0	.1263	10.56	104.4	10.37	103.1
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	20.87	33.86	135.3	35.18	294.2	30.82	43.86
SDev	.33	.58	83.2	7.39	201.8	.28	.36
%RSD	1.587	1.735	61.50	21.01	68.54	.8573	.8118
#1	21.10	34.25	134.1	40.41	436.8	31.31	44.11
#2	20.63	53.47	73.46	29.95	151.8	30.84	43.63
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		20.00				20.00	
Range		50.00				50.00	
Elem	Ni3302	Ni2316	Ti1308	V_2324	Zn2138	Zn2203	Zn1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	280.0	83.27	22.86	104.3	44.65	7.878	8.821
SDev	129.2	.44	2.84	.4	.41	1.583	2.147
%RSD	45.06	.5319	12.44	.3798	.9251	20.17	24.34
#1	369.2	83.58	24.87	104.0	44.94	89.882	10.34
#2	190.8	82.95	20.84	104.0	44.25	6.755	7.903
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		20.00	20.00	100.0	40.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	124.9	20.30	8.815	7.396	122.9	125.9	11.47
SDev	1.2	1.21	1.092	1.937	2.8	.4	2.05
%RSD	.9619	5.943	12.39	24.84	2.267	.3256	17.91
#1	125.3	19.45	9.587	8.695	124.9	126.2	12.92
#2	124.1	21.15	8.042	6.097	120.9	125.6	10.02
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	120.0	20.00					
Range	50.00	50.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

Analysis Report

QC Standard

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Avge	7.487	43.53	24.95	302.6
SDev	2.193	1.55	3.81	.2
SRSD	29.29	3.571	15.25	.0732

#1	9.037	44.63	27.64	302.4
#2	5.936	42.43	22.26	302.8

Errors Value Range	NOCHECK	NOCHECK	NOCHECK	NOCHECK
--------------------	---------	---------	---------	---------

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	889	1000	--	--	--	--	--
SDev	1.979977	.0000000	--	--	--	--	--
SRSD	.2226082	.0000000	--	--	--	--	--
#1	888	1000	--	--	--	--	--
#2	891	1000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCV Operator:
 Run Time: 03/09/96 19:09:04
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	96.14	2036.	992.7	1016.	50330.	991.5	1017.
SDev	.39	.	.3	2.	120.	1.2	3.
%RSD	.4034	.0140	.0281	.2210	.2393	.1208	.2509
#1	95.86	2036.	992.5	1014.	50250.	990.6	1016.
#2	96.41	2036.	992.9	1018.	50420.	992.3	1019.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	995.4	986.9	2052.	48780.	50360.	1004.	1032.
SDev	2.5	.4	8.	40.	34.	2.	1.
%RSD	.2464	.0416	.3805	.0823	.1675	.1908	.1227
#1	993.6	987.2	2046.	48810.	50300.	1002.	1033.
#2	997.1	986.6	2057.	48750.	50420.	1003.	1031.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	1000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Ni3302	Ni2316	Ti1938	V_2624	Zn2133	Zn2203	Se1940
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	49730.	992.9	1033.	1024.	1027.	1020.	1037.
SDev	31.	.4	3.	2.	2.	2.	2.
%RSD	.0623	.0437	.4298	.2042	.0299	.2390	.1956
#1	49710.	992.6	1037.	1022.	1027.	1018.	1041.
#2	49750.	993.2	1030.	1025.	1027.	1022.	1033.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Sb2068	As1890	Zn2031	Zn2032	Zn2081	Zn2082	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avg	1036.	1042.	1019.	1020.	1026.	1041.	1037.
SDev	2.	2.	1.	3.	3.	2.	4.
%RSD	.2250	.2089	.1142	.3012	.2795	.1981	.3646
#1	1034.	1041.	1018.	1018.	1024.	1039.	1040.
#2	1037.	1044.	1019.	1023.	1028.	1042.	1034.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

QC Standard

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Avg	1040.	1017.	999.4	1044.
SDev	1.		.9	2.
%RSD	.1115	.0108	.0910	.2230

#1	1041.	1017.	998.8	1046.
#2	1039.	1017.	1000.	1042.

Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	343	1000	--	--	--	--	--
SDev	.0942579	.0000000	--	--	--	--	--
%RSD	.0111851	.0000000	--	--	--	--	--
#1	843	1000	--	--	--	--	--
#2	843	1000	--	--	--	--	--

Analysis Report

QC Standard

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Method: CLPSUE Sample Name: CCB
 Run Time: 03/09/96 19:14:29
 Comment:
 Mode: CONC Corr. Factor: 1

Operator:

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	-.2343	13.05	.4433	.4633	-31.12	.3672	.1342
SDev	.2748	1.49	.0102	.0076	.30	.0286	.1826
SRSD	117.3	11.39	2.308	1.641	.9648	7.798	136.0
#1	-.4286	12.00	.4361	.4580	-30.91	.3469	.0051
#2	-.0400	14.10	.4506	.4687	-31.23	.3874	.2633
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00
Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.3290	.2283	9.015	24.07	23.70	.3134	.4785
SDev	.2874	.0001	4.233	3.15	.37	.0001	.1647
SRSD	34.33	0.452	47.00	13.07	1.548	.0144	34.43
#1	.7322	.2284	5.975	26.29	23.44	.3134	.3620
#2	.3258	.2282	12.05	21.84	20.96	.3133	.5930
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	
Elem	Na3302	Ni2316	Ti1908	V_2924	Zn2186	Pb2203	Sr1860
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	232.3	.1488	1.566	.1990	-3.380	-.3159	.1928
SDev	58.6	10443	1.662	.2685	.148	.6852	1.103
SRSD	23.22	29.75	106.1	33.80	3.733	278.9	167.7
#1	231.7	.1175	.3910	.3092	-3.374	.2959	.3342
#2	210.9	.1801	2.741	.6898	-4.085	-.3277	-.8038
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avgc	.8554	.3455	.4573	-.7156	1.011	.7642	2.480
SDev	.3093	1.616	1.488	.5540	.143	.5350	.514
SRSD	36.15	467.8	325.5	77.42	14.12	70.00	20.73
#1	1.074	1.488	1.510	-.3238	.9098	1.142	2.844
#2	.6367	-.7973	-.5953	-1.107	1.112	.3859	2.117
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					
Elem	19602	Sn1899	Ti3349	Bi2230			
Units	ug/liter	ug/liter	ug/liter	ug/liter			

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Analysis Report

QC Standard

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Avgc	-.9628	-1.790	3.709	1.301
SDav	1.4426	.859	1.301	1.185
SRSD	149.8	47.98	35.08	91.05
#1	.0572	-1.182	4.629	.4635
#2	-1.983	-2.397	2.789	2.129

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	876	1000	--	--	--	--	--
SDav	.1885539	.0000000	--	--	--	--	--
SRSD	.0215157	.0000000	--	--	--	--	--
#1	877	1000	--	--	--	--	--
#2	876	1000	--	--	--	--	--

AR319535

Modular Preparation Lab
 Method name: (C) SW-846 2008 (revised) 2050 Case type: EAT- 800 ID: 322371 Procedure code: 2-2 Prepared by: E. Spandell Date: 3/8/96

CCL (Lab ID)	Date Rec'd	Customer	Initial	Final	Initial	Final	Description	P1
			Plasma (wt%)	Plasma (wt)	Furnace (wt%)	Furnace (wt)		
1 788039	3/5/96	Keene	100	100	100	100	Control	13
2 788041		Keene	100	100	100	100	Control	13
3 788043		Keene	100	100	100	100	Control	13
4 788044		Keene	100	100	100	100	Control	13
5 788045		Keene	100	100	100	100	Control	13
6 788046		Keene	100	100	100	100	Control	13
7 788052		Keene	100	100	100	100	Control	13
8 788056		Keene	100	100	100	100	Control	13
9 788057		Keene	100	100	100	100	Control	13
10 788058		Keene	100	100	100	100	Control	13
11 788063		Keene	100	100	100	100	Control	13
12		Keene	100	100	100	100	Control	13
13		Keene	100	100	100	100	Control	13
14		Keene	100	100	100	100	Control	13
15		Keene	100	100	100	100	Control	13
16		Keene	100	100	100	100	Control	13
17		Keene	100	100	100	100	Control	13
18		Keene	100	100	100	100	Control	13
19		Keene	100	100	100	100	Control	13
20		Keene	100	100	100	100	Control	13
21 Sample split 788047		Keene	100	100	100	100	Control	13
22 Duplicate split 788048		Keene	100	100	100	100	Control	13
23 Lab ctrl sample 788049		Keene	100	100	100	100	Control	13
24 Prep blank 789121		Keene	100	100	100	100	Control	13

COMPUchem ENV. CORP. LOGBOOK 10 38

95 291

AR319536

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	REMARKS
2191		03-1602-22			
SAMPLERS:		STATION LOCATION		NO. OF CONTAINERS	REMARKS
STA. NO.	DATE	TIME			
Key-1	01/14/96	1630	Key-25	1-18	* all samples preserved w/ HAWES pH 6.7
Key-2	01/14/96	1630	Key-25 after flush	1-18	
Key-3	01/14/96	1545	Key-25	1-18	
Key-4	01/14/96	1545	Key-25 after flush	1-18	
Key-5	01/14/96	1450	Key-60	1-18	
Key-6	01/14/96	1450	Key-60 after flush	1-18	
Key-7	01/14/96	1730	1000 station	1-18	
Key-8	01/14/96	1730	1000 after flush	1-18	
Key-9	01/14/96	1730	MW-B-D	2-18	
Key-10	01/14/96	1630	Blank	1-18	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time
Burt Slay		03/14/96 1000			
Relinquished by: (Signature)		Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks
				3/15/96	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

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