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

Document number: SD-WM-DP-145

Section 7 **of** 12

Title: REVISED 60 DAY SAFETY SCREENING + FERROCYANIDE RESULTS FOR TANK 241-BY-108 ROTARY SAMPLES CORE 98 + CORE 104

Date: 02/02/96 **Revision:** R001

Originator: BALDWIN JH
Co: WHC

Recipient:
Co:

References: ECN-629001

TH S PAGE INTENTIONALLY
LEFT BLANK.

WHC-SD-WM-DP-145, REV. 1

Na_2O_2 FUSION SEGMENT & QUARTER SEGMENT AND ACID DIGESTION DRAINABLE LIQUID ICP ANALYSIS

THIS PAGE INTENTIONALLY
LEFT BLANK.

DATE TO QC: 09/18/95

DATA QUALITY REVIEW

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

Analyte - ICP - Na2O2 Fusion and Acid Digestion

Data Package/Report - BY-108 Core 99

Project No. - 21372

ACL Numbers - 95-07932-A1 95-07932-A2 95-007932-A3 95-07932-A4
95-07932-A5
95-07941-N1 95-07941-N2 95-07941-N3
95-07945-N1 95-07946-N1 95-07947-N1 95-07948-N1

PNL ACL Quality Representative

9/19/95
Date

Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

ICP ANALYSIS REPORT
** Sample Results -- Acid Digestion **

Core 99 Drainable Liquids

Analyze Date: 09/12/95
File: m091295a
Report Page 1 of 2

Samp Log#:	Seg 2 95-07932-A1 Sam	95-07932-A1 SamDil		Seg 2 95-07932-A2 Dup	95-07932-A2 DupDil		95-07932-A3 Blank		**Estimated**	
Dil Fctr:	125.00	625.00		125.00	625.00		12.50			
ICP Dil:	10.00	50.00		10.00	50.00		1.00			
	|<---------Sample--------->			|<--------Duplicate-------->			|<----Blank----->			
Analyte	ug/mL	ug/mL	%D	ug/mL	ug/mL	%D	ug/mL		IDL ug/mL	MDL ug/mL
Ag	ND	ND		ND	ND		ND		0.015	0.1500
Al	35,454	36,139	2%	34,929	34,667	1%	(2)		0.060	0.6000
As	(30)	ND		(32)	ND		ND		0.080	0.8000
B	43	(43)		40	(41)		20	>MDL	0.020	0.2000
Ba	ND	ND		ND	ND		ND		0.010	0.1000
Be	ND	ND		ND	ND		ND		0.005	0.0500
Bi	ND	ND		ND	ND		ND		0.100	1.0000
Ca	ND	ND		ND	ND		ND		0.050	0.5000
Cd	ND	ND		ND	ND		ND		0.015	0.1500
Ce	ND	ND		ND	ND		ND		0.100	1.0000
Co	(9)	(8)		(9)	(9)		ND		0.010	0.1000
Cr	280	285	2%	277	277	0%	ND		0.020	0.2000
Cu	(4)	ND		(4)	ND		ND		0.010	0.1000
Dy	ND	ND		ND	ND		ND		0.050	0.5000
Eu	ND	ND		ND	ND		ND		0.100	1.0000
Fe	118	(123)		117	(120)		ND		0.020	0.2000
K	2,656	(2,716)		2,614	(2,713)		ND		2.000	20.0000
La	ND	ND		ND	ND		ND		0.050	0.5000
Li	ND	ND		ND	ND		ND		0.030	0.3000
Mg	ND	ND		ND	ND		ND		0.100	1.0000
Mn	ND	ND		ND	ND		ND		0.005	0.0500
Mo	(14)	ND		(14)	ND		ND		0.030	0.3000
Na	OvrRng	201,647		OvrRng	188,042	8%	24	>MDL	0.080	0.8000
Nd	ND	ND		ND	ND		ND		0.050	0.5000
Ni	310	319	3%	306	314	3%	ND		0.030	0.3000
P	467	(456)		462	(453)		ND		0.100	1.0000
Pb	91	(76)		91	(86)		ND		0.060	0.6000
Pd	ND	ND		ND	ND		ND		0.300	3.0000
Rh	ND	ND		ND	ND		ND		0.300	3.0000
Sb	ND	ND		ND	ND		ND		0.050	0.5000
Se	ND	ND		ND	ND		ND		0.100	1.0000
Si	ND	ND		ND	ND		(25)		0.500	5.0000
Sn	ND	ND		ND	ND		ND		1.000	10.0000
Sr	ND	ND		ND	ND		ND		0.005	0.0500
Te	ND	ND		ND	ND		ND		0.500	5.0000
Th	ND	ND		ND	ND		ND		0.800	8.0000
Ti	ND	ND		ND	ND		ND		0.005	0.0500
Tl	(76)	ND		(75)	ND		ND		0.500	5.0000
U	ND	ND		ND	ND		ND		2.000	20.0000
V	ND	ND		ND	ND		ND		0.010	0.1000
W	(63)	ND		ND	ND		ND		0.500	5.0000
Y	ND	ND		ND	ND		ND		0.010	0.1000
Zn	(7)	ND		(7)	ND		ND		0.020	0.2000
Zr	ND	ND		ND	ND		ND		0.010	0.1000

Note:
1) Above 5 times MDL, results reportable to 2 1/2 significant digits. "( )" results <MDL but =>IDL.
2) Blank is reported adjusted for the an "average sample volume".
3) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
4) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
5) "ND" = Not Detected; Estimated Sample Detection Limit (ug/mL) = (IDL in ug/mL) * (Dil Fctr).
6) If Percent Difference (%D) >10% and sample results >5X MDL, chemical/physical interferences may exist.
7) ">MDL" indicates analyte found in process blank above the MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/95D255a

Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

ICP ANALYSIS REPORT
**** QC Results *****

09/12/95 : Analyzed
m091295a : File
Report Page 2 of 2

					Seg 2										
			Samp Log# >>>		95-07932-				95-07932-						
					A4 Smp+Spk				A5 Blk Spk				Post Spk		
			Spk Dil Fctr >>		100.00				100.00						
			Sam Dil Fctr >>		125.00										
			ICP Dil >>>		10.00				1.00						
Analyte ↓	Average A1 & A2 ug/mL	RPD	20% Flg	PreSpk STD ug/mL	Spk Conc in Sam/Blk ug/mL	Net Spk Conc ug/mL	Rec	Spk Flg	Net Blk Spk Cntrl ug/mL	Rec	10% Spk Flg	PostSpk STD ug/mL	Post Spike ug/mL	Rec	Spk Flg
Ag	---														
Al	35,192	1%		1000	10.000	12.93	129.3%	N	8.619	86.2%	N				
As	---														
B	42	6%													
Ba	---														
Be	---														
Bi	---														
Ca	---			500	5.000	5.92	118.5%	N	4.236	84.7%					
Cd	---			25	0.250	0.24	95.4%		0.207	82.6%					
Ce	---														
Co	---														
Cr	279	1%		150	1.500	1.38	92.0%		1.314	87.6%					
Cu	---														
Dy	---														
Eu	---														
Fe	118	1%													
K	2,635	2%		2000	20.000	20.69	103.4%		16.984	84.9%					
La	---														
Li	---														
Mg	---														
Mn	---			10	0.100	0.09	94.4%		0.088	87.7%					
Mo	---														
Na	194,845	7%													
Nd	---														
Ni	308	1%		500	5.000	4.70	94.1%		4.539	90.8%					
P	465	1%													
Pb	91	1%		500	5.000	4.92	98.5%		4.373	87.5%					
Pd	---														
Rh	---														
Sb	---														
Se	---														
Si	---			1000	10.000	10.53	105.3%		9.833	98.3%					
Sn	---														
Sr	---														
Te	---														
Th	---														
Ti	---														
Tl	---														
U	---			2000	20.000	19.64	98.2%		17.555	87.8%					
V	---														
W	---														
Y	---														
Zn	---														
Zr	---			50	0.500	0.41	n/a		0.438	87.6%					

Note:
1) Above 5 times MDL, results reportable to 2 1/2 significant digits. "( )" results <MDL but =>IDL.
2) Above 5 times MDL, precision is estimated at +/-10% and accuracy at +/-15%.
3) Where "Blank" results are >IDL the blank has been subtracted from the "Spike Control".
4) Spike Flag (N) indicates spike is outside the QC recovery criteria.
5) If 20% flag = "*", Then RPD >20% and both sample results >MDL.
6) If spike is <25% of sample concentration, Rec is not calculated as indicated by the "n/a".
7) If sample or duplicate results are <MDL then average is not calculated (i.e., "---").

Template: TC-LAD.WK3

ICP RAW DATA --- IEC Corrected

File: m091295a
Reported: 09/15/95
Data Page 1 of 2

Analyzed: 09/12/95
Project: TWRS
Procedure: PNL-ALO-211

Analyst: D SANDERS

Reviewer: MW Thu 9/20/95

	A1 Sam	A1 SamDil	A2 Dup	A2 DupDil	A3 Blank	A4 Smp+Spk	A5 Blk Spk	Post Spk
Sample ID:	95-07932-	95-07932-	95-07932-	95-07932-	95-07932-	95-07932-	95-07932-	
ICP Dil:	10.00	50.00	10.00	50.00	1.00	10.00	1.00	
Run Time:	11:07	11:03	11:22	11:18	10:13	10:24	10:43	
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.0021	-0.0020	0.0036	0.0002	-0.0012	0.0027	-0.0101	
Al	283.6347	57.8226	279.4312	55.4668	0.1267	284.9276	8.7455	
As	0.2428	0.0432	0.2598	0.0579	0.0087	0.2380	0.0029	
B	0.3431	0.0692	0.3233	0.0650	1.5837	0.3767	1.9268	
Ba	0.0010	-0.0002	0.0012	0.0003	0.0019	0.0013	0.0005	
Be	0.0024	0.0004	0.0024	0.0004	-0.0001	0.0025	-0.0001	
Bi	0.0415	0.0015	0.0439	0.0090	-0.0012	0.0408	-0.0180	
Ca	0.0035	-0.0280	0.0039	-0.0231	0.0126	0.5924	4.2357	
Cd	0.0007	-0.0010	-0.0007	-0.0001	-0.0013	0.0238	0.2066	
Ce	0.0072	-0.0107	0.0142	0.0008	-0.0106	0.0156	-0.0630	
Co	0.0703	0.0127	0.0711	0.0151	0.0005	0.0690	-0.0066	
Cr	2.2384	0.4563	2.2179	0.4438	0.0016	2.3764	1.3135	
Cu	0.0282	0.0010	0.0281	0.0025	-0.0020	0.0266	-0.0081	
Dy	0.0010	-0.0014	0.0024	0.0009	-0.0026	0.0006	-0.0139	
Eu	0.0009	-0.0003	0.0013	0.0004	-0.0006	0.0007	-0.0033	
Fe	0.9478	0.1971	0.9398	0.1922	0.0194	0.9499	0.0195	
K	21.2455	4.3461	20.9129	4.3404	-0.6821	23.3143	16.9840	
La	0.0044	-0.0020	0.0069	0.0019	-0.0029	0.0048	-0.0151	
Li	0.0086	0.0013	0.0098	0.0025	0.0001	0.0102	-0.0051	
Mg	0.0065	-0.0058	0.0112	0.0029	0.0060	0.0167	0.0654	
Mn	0.0022	0.0000	0.0024	0.0001	-0.0003	0.0117	0.0877	
Mo	0.1126	0.0217	0.1132	0.0229	0.0009	0.1141	-0.0062	
Na	1423.8091	322.6358	1398.4801	300.8676	1.9181	1429.4225	17.8419	
Nd	0.0057	-0.0114	0.0120	0.0013	-0.0150	0.0058	-0.0715	
Ni	2.4772	0.5109	2.4505	0.5025	0.0176	2.9476	4.5386	
P	3.7379	0.7303	3.6951	0.7253	0.0059	3.7179	-0.0312	
Pb	0.7248	0.1209	0.7296	0.1382	0.0003	1.2172	4.3727	
Pd	0.0387	-0.0071	0.0630	0.0310	-0.0267	0.0367	-0.3072	
Rh	0.0288	-0.0052	0.0402	0.0090	-0.0169	0.0282	-0.1052	
Sb	-0.0411	-0.0073	-0.0224	0.0008	0.0099	-0.0364	-0.0316	
Se	-0.0176	-0.0040	-0.0122	-0.0050	-0.0022	-0.0138	-0.0302	
Si	0.4542	0.0625	0.4451	0.0701	1.9945	1.5077	11.8280	
Sn	0.1584	-0.0226	0.1532	0.0134	-0.0360	0.1410	-0.2306	
Sr	0.0023	0.0006	0.0023	0.0008	0.0004	0.0024	-0.0002	
Te	-0.0453	-0.0255	-0.0339	-0.0090	0.0030	-0.0447	-0.0422	
Th	-0.0003	-0.0107	-0.0035	-0.0057	0.0016	0.0166	0.1962	
Ti	0.0005	-0.0008	0.0010	0.0000	0.0020	0.0005	-0.0007	
Tl	0.6049	0.1151	0.6021	0.1236	0.0083	0.6071	0.0213	
U	0.1054	-0.1631	0.2309	0.0610	-0.2183	1.9636	17.5554	
V	0.0006	-0.0017	0.0019	-0.0001	-0.0014	0.0006	-0.0086	
W	0.5039	0.0941	0.5000	0.1021	-0.0040	0.5232	-0.0161	
Y	0.0003	-0.0008	0.0009	-0.0001	-0.0010	0.0003	-0.0034	
Zn	0.0548	0.0101	0.0543	0.0104	0.0085	0.0564	-0.0021	
Zr	0.0015	-0.0002	0.0021	0.0003	-0.0005	0.0421	0.4378	

Analyze Date: 09/12/95
Project: TWRS
Procedure: PNL-AL0-211
M&TE: JA ICP WB73520

File: m091295a
Reported: 09/15/95
ICP Run File: 95D255a
Data Page 2 of 2

Sample Log# ID	95-07932-A1 Sam	95-07932-A1 SamDil	95-07932-A2 Dup	95-07932-A2 DupDil	95-07932-A3 Blank	95-07932-A4 Smp+Spk	95-07932-A5 Blk Spk	Post Spk
Sample Vol-mL	2.00	2.00	2.00	2.00	2.00	2.00		
Final Vol-mL	25.00	25.00	25.00	25.00	25.00	25.00	25.00	
Prep Factor	12.50	12.50	12.50	12.50	12.50	12.50		
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Spike Vol-mL						0.250	0.250	
Spike Dilution						100.0	100.0	
Spike ID Date						950830H901		
PSpk Dilution								
ICP Dilution	10.00	50.00	10.00	50.00	1.00	10.00	1.00	
Dil Factor	125.00	625.00	125.00	625.00	12.50	125.00	100.0	
Run Time	11:07	11:03	11:22	11:18	10:13	10:24	10:43	
Analyte ↓↓	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.264	-1.275	0.449	0.131	-0.015	0.339	-1.008	
Al	35454.338	36139.131	34928.894	34666.731	1.584	35615.951	874.555	
As	30.347	27.000	32.474	36.212	0.109	29.750	0.289	
B	42.881	43.238	40.411	40.637	19.796	47.094	192.683	
Ba	0.119	-0.094	0.148	0.194	0.023	0.158	0.049	
Be	0.302	0.250	0.302	0.269	-0.001	0.307	-0.006	
Bi	5.189	0.950	5.489	5.613	-0.015	5.097	-1.804	
Ca	0.432	-17.519	0.486	-14.444	0.157	74.046	423.570	
Cd	0.092	-0.638	-0.091	-0.056	-0.016	2.980	20.655	
Ce	0.894	-6.681	1.772	0.487	-0.132	1.949	-6.299	
Co	8.791	7.919	8.890	9.450	0.006	8.629	-0.657	
Cr	279.796	285.181	277.235	277.394	0.020	297.051	131.353	
Cu	3.521	0.631	3.515	1.575	-0.025	3.330	-0.814	
Dy	0.126	-0.862	0.305	0.575	-0.033	0.071	-1.385	
Eu	0.107	-0.188	0.156	0.231	-0.007	0.085	-0.334	
Fe	118.472	123.169	117.471	120.125	0.243	118.734	1.952	
K	2655.691	2716.287	2614.119	2712.762	-8.526	2914.285	1698.402	
La	0.551	-1.244	0.861	1.200	-0.036	0.596	-1.512	
Li	1.075	0.825	1.224	1.569	0.001	1.275	-0.511	
Mg	0.814	-3.637	1.395	1.819	0.075	2.090	6.541	
Mn	0.279	0.025	0.304	0.063	-0.004	1.459	8.766	
Mo	14.071	13.563	14.146	14.300	0.011	14.266	-0.622	
Na	177976.135	201647.356	174810.012	188042.256	23.977	178677.810	1784.186	
Nd	0.711	-7.100	1.496	0.838	-0.187	0.721	-7.152	
Ni	309.646	319.294	306.315	314.087	0.220	368.451	453.858	
P	467.239	456.419	461.881	453.325	0.074	464.739	-3.115	
Pb	90.603	75.556	91.194	86.400	0.004	152.152	437.271	
Pd	4.842	-4.425	7.876	19.369	-0.333	4.591	-30.723	
Rh	3.594	-3.256	5.026	5.606	-0.211	3.525	-10.521	
Sb	-5.136	-4.544	-2.795	0.500	0.123	-4.554	-3.157	
Se	-2.197	-2.481	-1.530	-3.150	-0.027	-1.726	-3.022	
Si	56.779	39.069	55.641	43.813	24.931	188.463	1182.796	
Sn	19.796	-14.144	19.148	8.362	-0.450	17.621	-23.063	
Sr	0.284	0.369	0.291	0.475	0.005	0.294	-0.024	
Te	-5.665	-15.938	-4.238	-5.644	0.037	-5.590	-4.220	
Th	-0.035	-6.694	-0.431	-3.550	0.020	2.080	19.618	
Ti	0.056	-0.481	0.125	0.000	0.025	0.068	-0.071	
Tl	75.619	71.937	75.269	77.262	0.104	75.883	2.126	
U	13.180	-101.956	28.866	38.119	-2.729	245.445	1755.540	
V	0.069	-1.088	0.231	-0.031	-0.017	0.077	-0.857	
W	62.986	58.838	62.495	63.813	-0.049	65.395	-1.606	
Y	0.041	-0.500	0.107	-0.081	-0.012	0.041	-0.340	
Zn	6.855	6.313	6.789	6.481	0.106	7.046	-0.208	
Zr	0.189	-0.119	0.259	0.188	-0.007	5.258	43.782	

|<----------Adjusted for process dilution factor----------> |<ICP Dil> Only|

Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

ICP ANALYSIS REPORT
** Sample Results -- Acid Digestion **
Core 99 Drainable Liquids

Analyze Date: 09/12/95
File: m091295b
Report Page 1 of 1

Samp Log#:	Seg 3 95-07935-A1 Sam	95-07935-A1 SamDil		Seg 3 95-07935-A2 Dup	95-07935-A2 DupDil				**Estimated** IDL	MDL
Dil Fctr:	125.00	625.00		125.00	625.00					
ICP Dil:	10.00	50.00		10.00	50.00					
	<---------Sample--------->			<--------Duplicate-------->			20%			
Analyte	ug/mL	ug/mL	%D	ug/mL	ug/mL	%D	RPD	Flg	ug/mL	ug/mL
Ag	ND	ND		ND	ND				0.015	0.1500
Al	37,441	37,802	1%	37,429	38,529	3%	0%		0.060	0.6000
As	(34)	ND		(32)	ND				0.080	0.8000
B	44	(46)		45	(49)		0%		0.020	0.2000
Ba	ND	ND		ND	ND				0.010	0.1000
Be	ND	ND		ND	ND				0.005	0.0500
Bi	ND	ND		ND	ND				0.100	1.0000
Ca	ND	ND		ND	ND				0.050	0.5000
Cd	ND	ND		ND	ND				0.015	0.1500
Ce	ND	ND		ND	ND				0.100	1.0000
Co	(9)	(9)		(9)	(9)				0.010	0.1000
Cr	294	304	3%	291	300	3%	1%		0.020	0.2000
Cu	(10)	(8)		(10)	(8)				0.010	0.1000
Dy	ND	ND		ND	ND				0.050	0.5000
Eu	ND	ND		ND	ND				0.100	1.0000
Fe	97	(101)		104	(109)		7%		0.020	0.2000
K	2,780	(2,787)		2,811	(2,836)		1%		2.000	20.0000
La	ND	ND		ND	ND				0.050	0.5000
Li	ND	ND		ND	ND				0.030	0.3000
Mg	ND	ND		ND	ND				0.100	1.0000
Mn	ND	ND		ND	ND				0.005	0.0500
Mo	(15)	ND		(15)	ND				0.030	0.3000
Na	OvrRng	185,321		OvrRng	194,961		5%		0.080	0.8000
Nd	ND	ND		ND	ND				0.050	0.5000
Ni	238	247	4%	243	256	5%	2%		0.030	0.3000
P	452	(453)		457	(454)		1%		0.100	1.0000
Pb	100	(99)		97	(88)		2%		0.060	0.6000
Pd	ND	ND		ND	ND				0.300	3.0000
Rh	ND	ND		ND	ND				0.300	3.0000
Sb	ND	ND		ND	ND				0.050	0.5000
Se	ND	ND		ND	ND				0.100	1.0000
Si	(108)	ND		(119)	ND				0.500	5.0000
Sn	ND	ND		ND	ND				1.000	10.0000
Sr	(2)	ND		(5)	(5)				0.005	0.0500
Te	ND	ND		ND	ND				0.500	5.0000
Th	ND	ND		ND	ND				0.800	8.0000
Ti	ND	ND		ND	ND				0.005	0.0500
Tl	(77)	ND		(77)	ND				0.500	5.0000
U	ND	ND		ND	ND				2.000	20.0000
V	ND	ND		ND	ND				0.010	0.1000
W	776	(780)		772	(777)		1%		0.500	5.0000
Y	ND	ND		ND	ND				0.010	0.1000
Zn	(12)	ND		(12)	ND				0.020	0.2000
Zr	ND	ND		ND	ND				0.010	0.1000

Note:
1) Above 5 times MDL, results reportable to 2 1/2 significant digits. "( )" results <MDL but =>IDL.
2) Blank is reported adjusted for the an "average sample volume".
3) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
4) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
5) "ND" = Not Detected; Estimated Sample Detection Limit (ug/mL) = (IDL in ug/mL) * (Dil Fctr).
6) If Percent Difference (%D) >10% and sample results >5X MDL, chemical/physical interferences may exist.
7) If 20% flag = "*", then RPD >20% AND both sample and duplicate results >MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/ 95D255a

Analyze Date: 09/12/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

File: m091295b
Reported: 09/15/95
ICP Run File: 95D255a
Data Page 2 of 2

Sample Log# ID	95-07935-A1 Sam	95-07935-A1 SamDil	95-07935-A2 Dup	95-07935-A2 DupDil				Post Spk
Sample Vol-mL	2.00	2.00	2.00	2.00				
Final Vol-mL	25.00	25.00	25.00	25.00				
Prep Factor	12.50	12.50	12.50	12.50				
Add'n Prep Dil	1.00	1.00	1.00	1.00				
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	10.00	50.00	10.00	50.00				
Dil Factor	125.00	625.00	125.00	625.00				
Run Time	11:34	11:30	12:01	11:57				
Analyte ↓↓	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	-0.642	-0.794	-0.668	-2.013				
Al	37441.001	37802.419	37429.069	38528.969				
As	33.904	39.313	32.468	27.131				
B	44.395	46.481	44.576	48.506				
Ba	0.178	0.294	0.306	0.269				
Be	0.327	0.294	0.320	0.275				
Bi	5.371	7.363	4.410	7.656				
Ca	3.184	-11.581	2.799	-15.031				
Cd	-0.263	-0.813	0.038	-0.344				
Ce	2.682	3.319	2.406	-4.650				
Co	8.815	9.237	8.865	8.950				
Cr	293.886	303.569	290.969	300.081				
Cu	9.645	7.800	9.930	8.431				
Dy	0.449	0.700	0.411	-0.225				
Eu	0.184	0.294	0.181	0.050				
Fe	97.076	101.175	103.794	109.362				
K	2779.702	2786.744	2810.706	2836.069				
La	1.100	1.688	1.111	0.194				
Li	0.984	1.788	1.417	1.044				
Mg	4.161	5.756	3.104	1.056				
Mn	0.365	0.206	0.467	0.269				
Mo	15.184	15.900	14.857	15.200				
Na	173341.017	185321.269	173968.505	194960.687				
Nd	2.356	3.287	2.360	-3.269				
Ni	238.321	247.450	243.264	256.394				
P	451.788	452.881	456.930	453.719				
Pb	99.541	99.069	97.175	87.913				
Pd	10.700	18.556	10.372	3.300				
Rh	5.970	10.487	5.622	1.200				
Sb	-3.340	6.787	-5.015	-4.925				
Se	-1.225	4.087	-1.053	1.612				
Si	107.500	95.781	118.890	136.806				
Sn	19.705	30.150	16.629	-24.250				
Sr	1.719	1.919	4.760	5.031				
Te	-4.145	-5.500	-4.362	-11.969				
Th	0.166	0.019	0.369	1.375				
Ti	0.188	0.156	0.194	-0.188				
Tl	77.359	80.869	77.276	85.675				
U	43.601	47.369	51.080	-17.669				
V	0.251	0.069	0.243	-0.512				
W	775.961	779.750	771.985	776.837				
Y	0.136	0.094	0.120	-0.169				
Zn	11.545	11.650	11.553	12.013				
Zr	0.305	0.063	0.419	-0.200				

|<ICP Dil>|
< Only >|

Template: TC-LAD.WK3

ICP RAW DATA --- IEC Corrected

File: m091295b
Reported: 09/15/95
Data Page 1 of 2

Analyzed: 09/12/95
Project: TWRS
Procedure: PNL-ALO-211

Analyst: D SANDERS

Reviewer: MW Thu 9/20/95

Sample ID:	A1 Sam 95-07935-	A1 SamDil 95-07935-	A2 Dup 95-07935-	A2 DupDil 95-07935-				Post Spk
ICP Dil:	10.00	50.00	10.00	50.00				
Run Time:	11:34	11:30	12:01	11:57				
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	-0.0051	-0.0013	-0.0053	-0.0032				
Al	299.5280	60.4839	299.4325	61.6463				
As	0.2712	0.0629	0.2597	0.0434				
B	0.3552	0.0744	0.3566	0.0776				
Ba	0.0014	0.0005	0.0025	0.0004				
Be	0.0026	0.0005	0.0026	0.0004				
Bi	0.0430	0.0118	0.0353	0.0123				
Ca	0.0255	-0.0185	0.0224	-0.0241				
Cd	-0.0021	-0.0013	0.0003	-0.0006				
Ce	0.0215	0.0053	0.0192	-0.0074				
Co	0.0705	0.0148	0.0709	0.0143				
Cr	2.3511	0.4857	2.3277	0.4801				
Cu	0.0772	0.0125	0.0794	0.0135				
Dy	0.0036	0.0011	0.0033	-0.0004				
Eu	0.0015	0.0005	0.0015	0.0001				
Fe	0.7766	0.1619	0.8304	0.1750				
K	22.2376	4.4588	22.4856	4.5377				
La	0.0088	0.0027	0.0089	0.0003				
Li	0.0079	0.0029	0.0113	0.0017				
Mg	0.0333	0.0092	0.0248	0.0017				
Mn	0.0029	0.0003	0.0037	0.0004				
Mo	0.1215	0.0254	0.1189	0.0243				
Na	1386.7281	296.5140	1391.7480	311.9371				
Nd	0.0189	0.0053	0.0189	-0.0052				
Ni	1.9066	0.3959	1.9461	0.4102				
P	3.6143	0.7246	3.6554	0.7259				
Pb	0.7963	0.1585	0.7774	0.1407				
Pd	0.0856	0.0297	0.0830	0.0053				
Rh	0.0478	0.0168	0.0450	0.0019				
Sb	-0.0267	0.0109	-0.0401	-0.0079				
Se	-0.0098	0.0065	-0.0084	0.0026				
Si	0.8600	0.1532	0.9511	0.2189				
Sn	0.1576	0.0482	0.1330	-0.0388				
Sr	0.0138	0.0031	0.0381	0.0081				
Te	-0.0332	-0.0088	-0.0349	-0.0192				
Th	0.0013	0.0000	0.0030	0.0022				
Ti	0.0015	0.0003	0.0015	-0.0003				
Tl	0.6189	0.1294	0.6182	0.1371				
U	0.3488	0.0758	0.4086	-0.0283				
V	0.0020	0.0001	0.0019	-0.0008				
W	6.2077	1.2476	6.1759	1.2429				
Y	0.0011	0.0002	0.0010	-0.0003				
Zn	0.0924	0.0186	0.0924	0.0192				
Zr	0.0024	0.0001	0.0034	-0.0003				

Project: TWRS
Procedure: PNL-ALO-211

ICP ANALYSIS REPORT -- Na2O2/Zr Fusions

Core 99

File: m091295c
Analyzed: 09/12/95

Sam Log#:	Seg 1 95-07941-		Seg 1 95-07941-	Seg 2D 95-07943-	Seg 3A 95-07944-	95-07941-	Seg 1 95-07941-	
Split#:	N1-Smp		N2-Dup	N1-Smp	N1-Smp	N3-Blk	N1-Smp-PS	
ICP Dil:	2.00	10.00	2.00	2.00	2.00	2.00	5.00	
Dil Fctr:	1511.7	7558.6	2114.2	886.5	1506.0	1366.8	3779.3	
Run Time:	15:39	15:35	15:59	16:10	17:10	15:30	15:45	

Est. IDL ug/mL	Analyte	Sample ug/g	Dilution ug/g	%D	Duplicate ug/g	RPD	Sample ug/g	Sample ug/g	Batch Blk ug/g	Net PSpk ug/mL	Post Spk Recovery
0.015	Ag	ND	ND		ND		ND	ND	ND	(0.08)	
0.060	Al	104,424	115,669	11	135,410	26 *	60,889	25,702	(123)	33.00	66.0%
0.080	As	(167)	ND		(256)		(112)	ND	ND	(0.22)	
0.020	B	694	(779)		1,038	40 *	(147)	635	417	0.03	
0.010	Ba	(15)	ND		(23)		(13)	(17)	ND	ND	
0.005	Be	ND	ND		ND		ND	ND	ND	ND	
0.100	Bi	ND	ND		ND		ND	ND	ND	ND	
0.050	Ca	3,071	(3,150)		3,978	26 *	1,759	3,257	2,665	20.45	81.8%
0.015	Cd	ND	ND		ND		ND	ND	ND	1.09	87.5%
0.100	Ce	ND	ND		ND		ND	ND	ND	(0.59)	
0.010	Co	(20)	ND		(35)		(19)	(22)	ND	(0.05)	
0.020	Cr	(127)	ND		(169)		(176)	(154)	(35)	6.30	84.0%
0.010	Cu	(90)	(83)		(43)		(20)	(32)	(16)	(0.00)	
0.050	Dy	ND	ND		ND		ND	ND	ND	ND	
0.100	Eu	ND	ND		ND		ND	ND	ND	ND	
0.020	Fe	1,028	(1,190)		1,411	31 *	544	1,247	(195)	0.03	
2.000	K	(4,498)	ND		(8,232)		(4,416)	(3,879)	ND	(87.97)	88.0%
0.050	La	ND	ND		ND		ND	ND	ND	ND	
0.030	Li	(52)	ND		(80)		(60)	(48)	ND	ND	
0.100	Mg	(186)	ND		(313)		(128)	ND	ND	(0.79)	
0.005	Mn	(24)	ND		(29)		(13)	(15)	ND	0.42	83.7%
0.030	Mo	ND	ND		ND		ND	ND	ND	ND	
0.080	Na	n/a	n/a		n/a		n/a	n/a	n/a	n/a	
0.050	Nd	(125)	ND		(232)		(108)	(127)	(88)	(0.32)	
0.030	Ni	473	(530)		674	35 *	532	836	(314)	21.52	86.1%
0.100	P	3,821	(4,259)		(715)		(233)	(490)	ND	0.04	
0.060	Pb	(232)	ND		(345)		(177)	(177)	(85)	22.63	90.5%
0.300	Pd	ND	ND		ND		ND	ND	ND	ND	
0.300	Rh	ND	ND		ND		ND	ND	ND	ND	
0.050	Sb	ND	ND		(111)		(58)	ND	ND	ND	
0.100	Se	ND	ND		ND		ND	ND	ND	ND	
0.500	Si	(2,650)	ND		(4,150)		(1,127)	(1,086)	ND	41.99	84.0%
1.000	Sn	ND	ND		ND		ND	ND	ND	ND	
0.005	Sr	(58)	(67)		(70)		(35)	310	(41)	(0.00)	
0.500	Te	ND	ND		ND		ND	ND	ND	ND	
0.800	Th	ND	ND		ND		ND	ND	ND	ND	
0.005	Ti	(45)	(56)		(70)		(22)	(20)	(10)	(0.03)	
0.500	Tl	ND	ND		ND		ND	ND	ND	ND	
2.000	U	ND	ND		ND		ND	ND	ND	(85.86)	85.9%
0.010	V	(57)	(79)		(55)		(15)	(19)	ND	(0.05)	
0.500	W	ND	ND		ND		ND	ND	ND	ND	
0.010	Y	ND	ND		ND		ND	ND	ND	ND	
0.020	Zn	(42)	ND		(50)		(32)	(69)	ND	ND	
0.010	Zr	n/a	n/a		n/a		n/a	n/a	n/a	n/a	n/a

Note:
1) Method Detecion Limit (MDL) = 10x IDL; "( )" results <MDL but =>IDL.
2) Above 5 times MDL, results reportable to 2 1/2 significant digits.
3) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
4) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
5) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
6) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
7) If RPD flagged with "*", then RPD >20% and sample & duplicate results >MDL.
8) If Percent Difference (%D) >10% and sample results >5x MDL, chemical/physical interferences may exist.
9) Data, including calibration/QC, archived File ICP-325-405-1/95D255a

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

								CCV1 950713H901	1 950713	1 950713	1 950713H901
								95D255A	95D255A	95D255A	95D255A
								9/12/95	9/12/95	9/12/95	9/12/95
Statistical Summary for 'CCV1 950713H901'								09:55	12:25	15:10	18:33
(HPS:CCV-1)								CONC	CONC	CONC	CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	1846	1891	1936	1981
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		4	0.000	0.000	-81			-0.001	0.000	-0.001	0.000
Al	2.000	4	1.900	0.020	1	-0.100	-5.0	1.913	1.922	1.885	1.881
As	2.000	4	2.017	0.028	1	0.017	0.9	2.013	2.055	1.988	2.012
B	2.000	4	1.935	0.029	2	-0.065	-3.3	1.951	1.986	1.923	1.900
Ba	1.000	4	1.009	0.012	1	0.009	0.9	0.999	1.004	1.007	1.026
Be	1.000	4	0.968	0.011	1	-0.032	-3.2	0.977	0.977	0.959	0.963
Bi	2.000	4	1.927	0.019	1	-0.073	-3.7	1.936	1.943	1.899	1.928
Ca	2.000	4	1.926	0.029	2	-0.074	-3.7	1.943	1.958	1.903	1.899
Cd	1.000	4	0.982	0.008	1	-0.018	-1.8	0.989	0.988	0.980	0.970
Ce		4	0.001	0.003	378			0.002	-0.003	0.003	0.001
Co	1.000	4	1.038	0.006	1	0.038	3.8	1.036	1.046	1.034	1.037
Cr	0.500	4	0.516	0.001	0	0.016	3.2	0.517	0.517	0.514	0.517
Cu	2.000	4	2.037	0.029	1	0.037	1.8	2.014	2.012	2.048	2.073
Dy		4	0.000	0.000	-178			-0.001	0.000	0.000	0.000
Eu		4	0.000	0.000	38			0.000	0.000	0.000	0.000
Fe	2.000	4	2.018	0.010	1	0.018	0.9	2.016	2.031	2.006	2.017
K	5.000	4	4.997	0.300	6	-0.003	-0.1	4.814	4.673	5.295	5.205
La		4	0.000	0.001	192			0.001	0.001	-0.001	0.001
Li	2.000	4	1.972	0.037	2	-0.028	-1.4	1.943	1.964	2.025	1.954
Mg	2.000	4	2.100	0.016	1	0.100	5.0	2.092	2.099	2.087	2.122
Mn	1.000	4	1.015	0.012	1	0.015	1.5	1.021	1.029	1.006	1.004
Mo	2.000	4	2.004	0.008	0	0.004	0.2	1.998	2.015	1.997	2.006
Na	8.100	4	8.404	0.382	5	0.304	3.8	8.015	8.136	8.750	8.714
Nd		4	-0.001	0.003	-255			-0.001	-0.003	-0.003	0.003
Ni	2.000	4	2.099	0.014	1	0.099	4.9	2.091	2.119	2.090	2.095
P	5.000	4	4.746	0.009	0	-0.254	-5.1	4.734	4.755	4.751	4.744
Pb	2.000	4	2.063	0.007	0	0.063	3.2	2.059	2.072	2.057	2.066
Pd		4	0.002	0.008	321			0.008	0.010	-0.005	-0.004
Rh		4	0.001	0.002	180			-0.001	0.003	0.003	0.000
Sb		4	-0.001	0.008	-1512			0.002	0.009	-0.004	-0.009
Se	2.000	4	1.960	0.030	2	-0.040	-2.0	1.938	2.002	1.941	1.959
Si	5.000	4	4.973	0.071	1	-0.027	-0.5	5.045	5.018	4.891	4.936
Sn		4	-0.008	0.011	-141			-0.010	-0.015	0.008	-0.014
Sr	2.000	4	2.060	0.065	3	0.060	3.0	2.021	2.045	2.032	2.141
Te		4	-0.018	0.004	-20			-0.014	-0.015	-0.020	-0.022
Th		4	0.005	0.001	31			0.007	0.004	0.003	0.005
Ti		4	0.000	0.000	75			0.000	0.000	0.000	0.001
Tl	2.000	4	1.953	0.035	2	-0.047	-2.4	1.939	2.004	1.939	1.928
U		4	0.007	0.018	242			0.006	-0.014	0.010	0.025
V	1.000	4	0.964	0.004	0	-0.036	-3.6	0.961	0.965	0.960	0.968
W		4	0.006	0.006	107			0.009	0.008	0.011	-0.003
Y		4	0.000	0.000	-161			0.000	0.000	0.000	0.000
Zn	1.000	4	1.031	0.011	1	0.031	3.1	1.018	1.044	1.027	1.035
Zr		4	-0.001	0.000	-23			-0.002	-0.001	-0.001	-0.001
TIME		4	########	0.000	0			10000.000	########	########	########

3-568

Template: TC-NA202 ICP RAW DATA -- IEC Corrected File: m091295c
Reported: 09/15/95

Raw Data
Data Page 2 of 2

Analyzed: 09/12/95
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: D. SANDERS Reviewer: MW Thu 9/20/95

Sample ID: / Split ID:	95-07941-N1-Smp	95-07941-N1-SmpD11	95-07941-N2-Dup	95-07943-N1-Smp	95-07944-N1-Smp	95-07941-N3-Blk	95-07941-N1-Smp-PS	Post Spk Conc ug/mL
Run Time:	15:39	15:35	15:59	16:10	17:10	15:30	15:45	
(ug/mL) Ag	0.0118	0.0052	0.0113	0.0089	0.0059	-0.0166	0.0168	
Al	69.0763	15.3030	64.0491	68.6832	17.0662	0.0900	34.2303	1000
As	0.1105	0.0244	0.1212	0.1264	0.0525	0.0215	0.0884	
B	0.4589	0.1030	0.4910	0.1656	0.4215	0.3049	0.1783	
Ba	0.0102	0.0028	0.0109	0.0151	0.0111	0.0061	0.0065	
Be	0.0004	0.0001	0.0005	0.0007	0.0003	0.0004	0.0007	
Bi	0.0397	0.0081	0.0524	0.0679	0.0385	0.0353	0.0493	
Ca	2.0312	0.4168	1.8815	1.9837	2.1624	1.9500	4.9015	500
Cd	0.0049	0.0013	0.0046	0.0063	0.0035	0.0039	0.2187	25
Ce	0.0983	0.0375	0.0468	-0.0100	0.0185	-0.3126	0.1187	
Co	0.0132	0.0045	0.0163	0.0217	0.0143	0.0087	0.0159	
Cr	0.0842	0.0195	0.0801	0.1985	0.1024	0.0257	1.2935	150
Cu	0.0596	0.0110	0.0203	0.0226	0.0212	0.0119	0.0248	
Dy	0.0122	0.0050	0.0175	0.0206	0.0104	0.0126	0.0144	
Eu	0.0039	0.0016	0.0058	0.0066	0.0035	0.0047	0.0050	
Fe	0.6802	0.1575	0.6675	0.6137	0.8280	0.1427	0.2788	
K	2.9756	1.0752	3.8939	4.9807	2.5754	1.7610	18.7837	2000
La	0.0241	0.0085	0.0303	0.0339	0.0200	0.0153	0.0305	
Li	0.0342	0.0099	0.0379	0.0674	0.0319	0.0146	0.0230	
Mg	0.1232	0.0330	0.1481	0.1440	0.0794	0.0604	0.2067	
Mn	0.0158	0.0037	0.0136	0.0143	0.0102	0.0045	0.0901	10
Mo	0.0161	0.0039	0.0179	0.0214	0.0176	0.0071	0.0107	
Na	3963.0137	1132.6457	3828.5894	3819.7302	4329.5879	4185.9868	1852.6323	
Nd	0.0824	0.0310	0.1100	0.1222	0.0846	0.0641	0.0972	
Ni	0.3127	0.0701	0.3190	0.6003	0.5550	0.2299	4.4300	500
P	2.5278	0.5635	0.3381	0.2627	0.3251	0.0762	1.0185	
Pb	0.1533	0.0441	0.1631	0.1992	0.1178	0.0623	4.5873	500
Pd	0.2165	0.0876	0.2761	0.2931	0.1500	0.0238	0.1621	
Rh	0.1010	0.0438	0.1352	0.1455	0.0771	0.0504	0.1250	
Sb	0.0473	0.0162	0.0525	0.0659	0.0393	0.0398	0.0451	
Se	0.0479	0.0058	0.0729	0.0751	0.0528	0.0452	0.0633	
Si	1.7529	0.3741	1.9628	1.2712	0.7211	0.1445	9.1000	1000
Sn	0.3154	0.1457	0.4273	0.4903	0.2094	0.2567	0.4699	
Sr	0.0383	0.0088	0.0332	0.0395	0.2057	0.0301	0.0156	
Te	0.0467	0.0213	0.0717	0.0717	0.0402	0.0267	0.0621	
Th	0.0028	-0.0020	0.0329	0.0624	0.0323	0.1445	0.2414	
Ti	0.0295	0.0074	0.0330	0.0251	0.0133	0.0071	0.0170	
Tl	0.1690	0.0374	0.1665	0.1842	0.0615	0.0249	0.1109	
U	1.3495	0.5447	1.5767	1.7022	1.2361	0.0390	17.1713	2000
V	0.0376	0.0105	0.0259	0.0168	0.0126	0.0074	0.0247	
W	0.0419	0.0200	0.0391	0.0505	0.0458	0.0291	0.0489	
Y	0.0049	0.0019	0.0068	0.0079	0.0048	0.0047	0.0074	
Zn	0.0279	0.0059	0.0236	0.0366	0.0458	0.0102	0.0097	
(ug/mL) Zr	0.2101	0.0506	5.0141	9.4309	3.6000	22.9812	0.4829	50

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

								MCVB 950911H901	B 950911	B 950911	B 950911H901
								95D255A	95D255A	95D255A	95D255A
								9/12/95	9/12/95	9/12/95	9/12/95
Statistical Summary for 'MCVB 950911H901'								09:46	12:17	15:02	18:25
(MCVB)								CONC	CONC	CONC	CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	2566	2611	2656	2701
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		4	0.001	0.001	144			0.001	0.002	-0.001	0.001
Al		4	-0.178	0.017	-10			-0.177	-0.153	-0.193	-0.183
As		4	0.010	0.018	184			0.020	0.030	-0.010	0.000
B		4	0.004	0.006	160			0.008	0.002	0.010	-0.004
Ba		4	0.000	0.000	83			0.001	0.001	0.000	0.001
Be		4	0.000	0.000	9			0.000	0.000	0.000	0.000
Bi		4	0.001	0.011	1757			0.016	-0.003	-0.005	-0.007
Ca		4	0.018	0.007	42			0.026	0.023	0.012	0.011
Cd		4	0.000	0.001	116			0.000	0.001	0.000	0.001
Ce	2.000	4	1.974	0.023	1	-0.026	-1.3	1.947	1.979	1.968	2.003
Co		4	0.003	0.002	50			0.004	0.004	0.001	0.004
Cr		4	0.001	0.000	16			0.002	0.001	0.001	0.001
Cu		4	-0.005	0.008	-118			0.003	-0.011	-0.005	-0.007
Dy	2.000	4	1.976	0.040	2	-0.024	-1.2	1.929	1.958	2.004	2.014
Eu	2.000	4	1.963	0.036	2	-0.037	-1.8	1.920	1.947	1.991	1.995
Fe		4	0.006	0.002	29			0.006	0.007	0.003	0.006
K		4	0.051	0.270	531			0.282	-0.096	-0.256	0.273
La	2.000	4	1.970	0.035	2	-0.030	-1.5	1.925	1.959	2.004	1.991
Li		4	0.002	0.001	52			0.003	0.003	0.001	0.002
Mg		4	0.086	0.008	9			0.085	0.092	0.075	0.092
Mn		4	0.000	0.000	59			0.000	0.000	0.000	0.001
Mo		4	0.001	0.002	186			0.003	0.002	-0.001	0.001
Na		4	0.021	0.021	97			0.025	0.026	-0.007	0.042
Nd	2.000	4	1.954	0.038	2	-0.046	-2.3	1.912	1.940	1.983	2.001
Ni		4	0.012	0.012	99			0.008	0.030	0.004	0.006
P		4	-0.003	0.008	-299			0.006	-0.008	-0.010	0.002
Pb		4	0.050	0.006	15			0.056	0.049	0.040	0.056
Pd	2.000	4	2.126	0.108	5	0.126	6.3	2.010	2.087	2.144	2.261
Rh	2.000	4	2.006	0.037	2	0.006	0.3	1.966	1.986	2.024	2.048
Sb		4	0.010	0.011	110			0.017	0.020	0.001	0.000
Se		4	0.015	0.004	25			0.017	0.019	0.010	0.015
Si		4	0.073	0.055	76			0.155	0.058	0.041	0.039
Sn	2.000	4	1.966	0.142	7	-0.034	-1.7	2.051	2.026	2.032	1.753
Sr		4	0.000	0.000	66			0.001	0.001	0.000	0.001
Te	2.000	4	1.803	0.018	1	-0.197	-9.8	1.814	1.818	1.779	1.800
Th	5.000	4	5.011	0.053	1	0.011	0.2	4.941	5.004	5.066	5.032
Ti		4	0.001	0.000	46			0.001	0.001	0.000	0.001
Tl		4	0.010	0.013	126			0.017	0.024	0.005	-0.005
U	10.000	4	8.549	0.125	1	-1.451	-14.5	8.603	8.407	8.494	8.692
V		4	-0.001	0.001	-77			0.000	-0.001	-0.003	-0.001
W	2.000	4	0.501	0.009	2	-1.499	[redacted]	0.495	0.493	0.503	0.513
Y	1.000	4	0.964	0.009	1	-0.036	-3.6	0.955	0.956	0.972	0.971
Zn		4	0.001	0.000	25			0.002	0.001	0.002	0.001
Zr		4	-0.009	0.002	-24			-0.007	-0.008	-0.012	-0.008
TIME		4	########	0.000	0			10000.000	########	########	########

3-570

Analyzed Date: 09/12/95
Project: TWRS
Procedure: PNL-ALO-211
ICP Data Name: 95D255a

File: m091295d
Reported: 09/15/95
Data Page 1 of 2

Sample Log#	95-07945-N1-Smp	95-07945-N1-SmpDil	95-07946-N1-Smp	95-07947-N1-Smp	95-07948-N1-Smp	95-07941-N3-Blk	95-07945-N1-Smp-PS
Prep Type	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g	0.1038	0.1038	0.1077	0.1046	0.1101	0.1066	0.1038
Makeup Vol-mL	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Dil: Smpl-mL							
Dil: Vol-mL							
Prep Factor	963.39	963.39	928.51	956.02	908.27	938.53	963.39
Spike ID							950830H901
Spike PreDil'n							20.0
ICP Dilution	2.00	10.00	2.00	2.00	2.00	2.00	5.00
Dil Fctr	1926.8	9633.9	1857.0	1912.0	1816.5	1877.1	4817.0
Run Time	17:19	17:15	17:30	17:39	18:02	15:30	17:22
ug/g Ag	4.6	15.9	-4.8	10.8	13.7	-31.1	15.4
Al	15478.3	16543.4	11193.1	7429.9	8166.3	168.9	59314.9
As	124.4	192.6	107.4	114.4	115.1	40.3	252.2
B	404.4	475.0	432.8	254.4	397.5	572.2	428.5
Ba	284.7	320.8	555.9	99.2	114.6	11.4	307.1
Be	1.0	1.1	1.2	0.9	0.9	0.7	2.5
Bi	1378.4	1427.9	2822.9	932.9	1075.2	66.2	1477.7
Ca	16027.5	16885.3	15458.6	20636.2	11455.1	3660.2	38871.4
Cd	10.1	16.9	11.2	9.3	12.4	7.3	1157.9
Ce	-57.9	30.8	-166.8	43.8	109.0	-586.7	-2.2
Co	40.8	53.7	37.8	33.5	36.6	16.4	61.3
Cr	619.3	664.1	478.8	97.4	109.2	48.2	7571.7
Cu	36.2	40.5	31.4	66.0	104.5	22.3	5.9
Dy	16.1	29.9	13.4	9.7	11.0	23.7	17.3
Eu	7.9	12.4	8.5	7.7	8.5	8.7	11.6
Fe	20150.6	22078.9	27212.2	34805.3	41980.7	267.9	21257.9
K	4825.5	7096.3	4904.1	4548.7	4777.4	3305.4	89125.0
La	79.9	106.0	57.0	57.3	64.8	28.7	110.8
Li	34.0	46.9	32.0	31.7	31.4	27.4	54.3
Mg	1479.6	1664.3	1458.5	1279.5	1373.7	113.4	2141.3
Mn	300.2	330.1	328.4	365.5	498.3	8.4	771.2
Mo	27.9	53.4	26.0	38.5	28.0	13.3	41.4
Na	8492031.3	11571703.5	7884648.7	8175270.6	7340152.4	7857319.2	10574396.1
Nd	145.2	239.0	160.5	173.6	198.9	120.4	214.5
Ni	14672.5	16121.5	16741.4	6709.5	7208.8	431.6	39117.1
P	624.7	712.8	3840.0	1604.6	1436.9	143.0	862.2
Pb	1154.2	1369.9	994.7	1143.9	2856.3	116.9	25348.8
Pd	9.7	218.5	-194.4	-63.8	-49.9	44.7	-456.1
Rh	120.0	232.0	86.4	88.7	100.8	94.6	166.0
Sb	49.2	115.5	59.9	56.2	56.3	74.7	59.2
Se	89.9	203.9	118.7	123.1	143.3	84.8	138.0
Si	2720.1	2777.1	2287.1	1554.3	1784.5	271.3	49596.3
Sn	202.1	538.3	59.0	-20.0	-30.0	481.9	395.8
Sr	13884.9	15346.0	25031.0	1260.1	1467.6	56.6	14884.7
Te	84.9	138.7	100.6	79.0	114.4	50.2	118.2
Th	528.4	557.1	868.3	675.1	752.3	271.3	1727.8
Ti	40.8	49.5	46.2	33.6	40.5	13.3	51.4
Tl	104.9	78.6	104.4	83.0	78.9	46.8	240.9
U	33218.9	38672.3	54716.5	46937.5	50669.1	73.3	127288.5
V	18.8	32.1	20.0	17.7	20.7	13.9	33.6
W	65.2	51.0	61.6	54.7	73.9	54.5	103.0
Y	15.7	20.4	20.3	20.2	24.9	8.8	26.1
Zn	234.9	243.4	149.6	247.4	302.9	19.2	222.3
ug/g Zr	13479.1	14705.5	21396.3	7634.0	6251.5	43136.9	16657.6

Template: TC-NA202 ICP RAW DATA -- IEC Corrected File: m091295d
Reported: 09/15/95

Raw Data
Data Page 2 of 2

Analyzed: 09/12/95
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: D. SAUDERS Reviewer: MWhen 9/20/95

Sample ID:	95-07945-	95-07945-	95-07946-	95-07947-	95-07948-	95-07941-	95-07945-	
Split ID:	N1-Smp	N1-SmpDil	N1-Smp	N1-Smp	N1-Smp	N3-Blk	N1-Smp-PS	
Run Time:	17:19	17:15	17:30	17:39	18:02	15:30	17:22	Post Spk Conc ug/mL
(ug/mL) Ag	0.0024	0.0017	-0.0026	0.0057	0.0076	-0.0166	0.0032	
Al	8.0332	1.7172	6.0275	3.8859	4.4956	0.0900	12.3138	1000
As	0.0646	0.0200	0.0579	0.0598	0.0634	0.0215	0.0524	
B	0.2099	0.0493	0.2331	0.1331	0.2188	0.3049	0.0890	
Ba	0.1477	0.0333	0.2993	0.0519	0.0631	0.0061	0.0638	
Be	0.0005	0.0001	0.0007	0.0005	0.0005	0.0004	0.0005	
Bi	0.7154	0.1482	1.5201	0.4879	0.5919	0.0353	0.3068	
Ca	8.3183	1.7527	8.3245	10.7927	6.3060	1.9500	8.0697	500
Cd	0.0052	0.0018	0.0060	0.0049	0.0069	0.0039	0.2404	25
Ce	-0.0301	0.0032	-0.0898	0.0229	0.0600	-0.3126	-0.0005	
Co	0.0212	0.0056	0.0204	0.0175	0.0202	0.0087	0.0127	
Cr	0.3214	0.0689	0.2578	0.0509	0.0601	0.0257	1.5719	150
Cu	0.0188	0.0042	0.0169	0.0345	0.0575	0.0119	0.0012	
Dy	0.0083	0.0031	0.0072	0.0051	0.0060	0.0126	0.0036	
Eu	0.0041	0.0013	0.0046	0.0041	0.0047	0.0047	0.0024	
Fe	10.4582	2.2918	14.6538	18.2032	23.1104	0.1427	4.4131	
K	2.5044	0.7366	2.6408	2.3790	2.6299	1.7610	18.5023	2000
La	0.0415	0.0110	0.0307	0.0300	0.0357	0.0153	0.0230	
Li	0.0177	0.0049	0.0172	0.0166	0.0173	0.0146	0.0113	
Mg	0.7679	0.1727	0.7854	0.6692	0.7562	0.0604	0.4445	
Mn	0.1558	0.0343	0.1768	0.1912	0.2743	0.0045	0.1601	10
Mo	0.0145	0.0055	0.0140	0.0201	0.0154	0.0071	0.0086	
Na	4407.3642	1201.1428	4245.8833	4275.6665	4040.7539	4185.9868	2195.2446	
Nd	0.0754	0.0248	0.0864	0.0908	0.1095	0.0641	0.0445	
Ni	7.6151	1.6734	9.0152	3.5091	3.9685	0.2299	8.1207	500
P	0.3242	0.0740	2.0678	0.8392	0.7910	0.0762	0.1790	
Pb	0.5990	0.1422	0.5357	0.5983	1.5724	0.0623	5.2624	500
Pd	0.0050	0.0227	-0.1047	-0.0334	-0.0275	0.0238	-0.0947	
Rh	0.0623	0.0241	0.0465	0.0464	0.0555	0.0504	0.0345	
Sb	0.0255	0.0120	0.0323	0.0294	0.0310	0.0398	0.0123	
Se	0.0467	0.0212	0.0639	0.0644	0.0789	0.0452	0.0287	
Si	1.4117	0.2883	1.2316	0.8129	0.9823	0.1445	10.2962	1000
Sn	0.1049	0.0559	0.0318	-0.0105	-0.0165	0.2567	0.0822	
Sr	7.2063	1.5929	13.4792	0.6590	0.8079	0.0301	3.0901	
Te	0.0441	0.0144	0.0542	0.0413	0.0630	0.0267	0.0245	
Th	0.2742	0.0578	0.4676	0.3531	0.4141	0.1445	0.3587	
Ti	0.0212	0.0051	0.0249	0.0176	0.0223	0.0071	0.0107	
Tl	0.0544	0.0082	0.0562	0.0434	0.0434	0.0249	0.0500	
U	17.2406	4.0142	29.4648	24.5483	27.8934	0.0390	26.4251	2000
V	0.0098	0.0033	0.0108	0.0093	0.0114	0.0074	0.0070	
W	0.0339	0.0053	0.0332	0.0286	0.0407	0.0291	0.0214	
Y	0.0082	0.0021	0.0109	0.0105	0.0137	0.0047	0.0054	
Zn	0.1219	0.0253	0.0806	0.1294	0.1667	0.0102	0.0461	
(ug/mL) Zr	6.9957	1.5264	11.5219	3.9926	3.4415	22.9812	3.4581	50

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

								SST-ICS-0 95090811	S-0 9509	S-0 9509	S-0 9509081100								
								95D255A	95D255A	95D255A	95D255A								
								9/12/95	9/12/95	9/12/95	9/12/95								
Statistical Summary for 'SST-ICS-0 950908l100'								10:00	10:57	11:51	12:13								
(Interference Check Std - Acid Digestion)								CONC	CONC	CONC	CONC								
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	3196	3241	3286	3331								
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)								
Ag		4	-0.009	0.002	-19			-0.007	-0.008	-0.011	-0.008								
Al	100.0	4	97.958	1.149	1	-2.042	-2.0	97.393	97.860	99.596	96.982								
As		4	0.121	0.009	7			0.114	0.119	0.115	0.133								
B		4	0.002	0.002	112			0.004	-0.001	0.003	0.002								
Ba		4	0.000	0.000	65			0.000	0.000	0.000	0.001								
Be		4	0.001	0.000	8			0.001	0.001	0.001	0.001								
Bi		4	0.059	0.003	6			0.058	0.058	0.058	0.064								
Ca		4	0.076	0.002	2			0.075	0.077	0.075	0.079								
Cd		4	0.007	0.001	13			0.009	0.007	0.007	0.007								
Ce		4	-0.141	0.016	-12			-0.127	-0.132	-0.164	-0.139								
Co		4	0.005	0.001	29			0.006	0.005	0.003	0.006								
Cr		4	0.036	0.001	2			0.036	0.035	0.037	0.037								
Cu		4	-0.014	0.005	-35			-0.007	-0.018	-0.017	-0.015								
Dy		4	-0.004	0.001	-36			-0.004	-0.004	-0.006	-0.002								
Eu		4	0.000	0.000	103			0.001	0.000	0.000	0.001								
Fe	20.0	4	19.986	0.135	1	-0.014	-0.1	19.915	19.950	20.185	19.894								
K		4	-0.141	0.232	-165			0.000	-0.079	-0.485	0.000								
La		4	0.003	0.002	73			0.005	0.004	0.000	0.005								
Li		4	0.004	0.001	33			0.004	0.005	0.003	0.006								
Mg		4	0.281	0.015	5			0.266	0.282	0.276	0.302								
Mn		4	0.001	0.000	15			0.001	0.001	0.001	0.001								
Mo		4	0.009	0.001	13			0.010	0.008	0.008	0.011								
Na		4	0.011	0.024	227			0.001	0.012	-0.014	0.043								
Nd		4	-0.026	0.008	-32			-0.023	-0.026	-0.038	-0.018								
Ni	50.0	4	52.039	0.385	1	2.039	4.1	51.844	51.939	52.567	52.005								
P		4	0.025	0.006	24			0.024	0.032	0.018	0.026								
Pb		4	0.189	0.009	5			0.196	0.188	0.177	0.194								
Pd		4	-0.381	0.035	-9			-0.345	-0.369	-0.427	-0.381								
Rh		4	-0.033	0.012	-38			-0.032	-0.032	-0.050	-0.020								
Sb		4	0.003	0.007	242			0.002	0.002	-0.005	0.012								
Se		4	0.022	0.003	13			0.024	0.022	0.024	0.018								
Si		4	0.075	0.051	68			0.065	0.026	0.146	0.064								
Sn		4	0.026	0.048	187			0.047	0.040	-0.040	0.064								
Sr		4	0.000	0.000	93			0.000	0.000	0.000	0.000								
Te		4	-0.002	0.009	-414			0.003	-0.002	-0.015	0.006								
Th		4	0.687	0.022	3			0.660	0.677	0.703	0.706								
Ti		4	0.001	0.000	47			0.001	0.001	0.000	0.002								
Tl		4	0.227	0.006	3			0.218	0.227	0.232	0.232								
U	50.0	4	50.178	0.555	1	0.178	0.4	49.868	50.100	50.983	49.760								
V		4	0.001	0.001	102			0.002	0.001	-0.001	0.002								
W		4	0.049	0.005	10			0.053	0.043	0.047	0.052								
Y		4	0.003	0.000	17			0.003	0.003	0.002	0.003								
Zn		4	-0.029	0.001	-5			-0.028	-0.031	-0.027	-0.029								
Zr	10.0	4	10.016	0.086	1	0.016	0.2	9.983	9.974	10.145	9.964								
TIME		4	########	0.000	0			10000.000	########	########	########								

								SST-ICS-1 9509081	S-1 9509	S-1 9509	S-1 9509	S-1 9509081101
								95D255A	95D255A	95D255A	95D255A	95D255A
								9/12/95	9/12/95	9/12/95	9/12/95	9/12/95
Statistical Summary for "SST-ICS-1 9509081101"								17:52	18:20	15:18	16:44	16:53
(Interference Check Std - Na2O2/Zr Fusion)								CONC	CONC	CONC	CONC	CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	3376	3421	3466	3511	3556
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		5	-0.005	0.001	-25			-0.006	-0.005	-0.005	-0.003	-0.006
Al	100.0	5	90.394	1.106	1	-9.606	-9.6	91.245	89.949	89.848	89.106	91.822
As		5	0.167	0.022	13			0.179	0.178	0.130	0.183	0.164
B		5	0.005	0.007	129			0.000	0.000	0.003	0.015	0.007
Ba		5	0.001	0.000	34			0.001	0.001	0.001	0.001	0.001
Be		5	0.001	0.000	3			0.001	0.001	0.001	0.001	0.001
Bi		5	0.084	0.004	7			0.086	0.080	0.080	0.071	0.083
Ca		5	0.048	0.004	8			0.047	0.048	0.043	0.055	0.049
Cd		5	0.010	0.001	7			0.009	0.010	0.010	0.011	0.010
Ce		5	-0.116	0.016	-13			-0.130	-0.121	-0.092	-0.109	-0.126
Co		5	0.010	0.001	14			0.011	0.011	0.008	0.011	0.010
Cr		5	0.040	0.002	4			0.040	0.042	0.038	0.039	0.041
Cu		5	-0.012	0.003	-26			-0.014	-0.010	-0.014	-0.007	-0.014
Dy		5	0.002	0.001	62			0.001	0.003	0.001	0.004	0.002
Eu		5	0.002	0.000	15			0.002	0.002	0.002	0.003	0.002
Fe	20.0	5	18.304	0.308	2	-1.696	-8.5	18.549	18.267	17.891	18.157	18.658
K		5	0.722	0.252	35			0.548	0.769	0.459	1.112	0.723
La		5	0.011	0.002	16			0.009	0.012	0.010	0.014	0.011
Li		5	0.013	0.001	10			0.013	0.013	0.012	0.015	0.013
Mg		5	0.312	0.011	4			0.314	0.316	0.292	0.320	0.319
Mn		5	0.002	0.000	12			0.002	0.002	0.002	0.003	0.002
Mo		5	0.014	0.002	16			0.015	0.016	0.010	0.015	0.014
Na		5	3699.975	44.406	1			3733.137	3700.213	3639.402	3676.485	3750.840
Nd		5	0.015	0.009	63			0.010	0.015	0.004	0.029	0.015
Ni	50.0	5	47.549	0.810	2	-2.451	-4.9	48.204	47.556	46.458	47.090	48.439
P		5	0.101	0.008	8			0.092	0.109	0.102	0.093	0.109
Pb		5	0.238	0.010	4			0.241	0.241	0.220	0.245	0.243
Pd		5	-0.296	0.026	-9			-0.318	-0.301	-0.313	-0.251	-0.298
Rh		5	0.020	0.010	51			0.012	0.019	0.011	0.037	0.022
Sb		5	0.031	0.008	25			0.021	0.034	0.026	0.039	0.037
Se		5	0.057	0.009	16			0.062	0.063	0.042	0.062	0.054
Si		5	0.009	0.012	142			-0.005	0.013	-0.003	0.021	0.019
Sn		5	-0.039	0.130	-337			-0.122	-0.093	0.191	-0.063	-0.105
Sr		5	0.001	0.000	48			0.001	0.001	0.000	0.001	0.000
Ta		5	0.027	0.008	28			0.025	0.027	0.019	0.040	0.026
Th		5	0.683	0.009	1			0.688	0.682	0.680	0.672	0.694
Ti		5	0.004	0.001	16			0.003	0.004	0.003	0.005	0.004
Tl		5	0.220	0.006	3			0.226	0.215	0.215	0.227	0.217
U	50.0	5	45.985	0.970	2	-4.015	-8.0	46.598	45.954	44.536	45.742	47.093
V		5	0.006	0.001	15			0.005	0.006	0.005	0.006	0.006
W		5	0.061	0.005	9			0.053	0.062	0.068	0.063	0.060
Y		5	0.006	0.001	11			0.005	0.006	0.005	0.007	0.006
Zn		5	-0.030	0.002	-6			-0.030	-0.032	-0.027	-0.030	-0.029
Zr	10.0	5	9.550	0.172	2	-0.450	-4.5	9.691	9.522	9.329	9.459	9.750
TIME		5	########	0.000	0			10000.000	########	########	########	########

WHC-SD-WM-DP-745, REV. 1

3-574

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

								MCVB 950911H901	B 950911	B 950911	B 950911H901
								95D255A	95D255A	95D255A	95D255A
								9/12/95	9/12/95	9/12/95	9/12/95
Statistical Summary for 'MCVB 950911H901'								09:46	12:17	15:02	18:25
(MCVB)								CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	2566	2611	2656	2701
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		4	0.001	0.001	144			0.001	0.002	-0.001	0.001
Al		4	-0.178	0.017	-10			-0.177	-0.153	-0.193	-0.183
As		4	0.010	0.018	184			0.020	0.030	-0.010	0.000
B		4	0.004	0.006	160			0.008	0.002	0.010	-0.004
Ba		4	0.000	0.000	83			0.001	0.001	0.000	0.001
Be		4	0.000	0.000	9			0.000	0.000	0.000	0.000
Bi		4	0.001	0.011	1757			0.018	-0.003	-0.005	-0.007
Ca		4	0.018	0.007	42			0.026	0.023	0.012	0.011
Cd		4	0.000	0.001	118			0.000	0.001	0.000	0.001
Ce	2.000	4	1.974	0.023	1	-0.026	-1.3	1.947	1.979	1.968	2.003
Co		4	0.003	0.002	50			0.004	0.004	0.001	0.004
Cr		4	0.001	0.000	18			0.002	0.001	0.001	0.001
Cu		4	-0.005	0.006	-118			0.003	-0.011	-0.005	-0.007
Dy	2.000	4	1.976	0.040	2	-0.024	-1.2	1.929	1.958	2.004	2.014
Eu	2.000	4	1.963	0.036	2	-0.037	-1.8	1.920	1.947	1.991	1.995
Fe		4	0.006	0.002	29			0.006	0.007	0.003	0.006
K		4	0.051	0.270	531			0.262	-0.096	-0.258	0.273
La	2.000	4	1.970	0.035	2	-0.030	-1.5	1.925	1.959	2.004	1.991
Li		4	0.002	0.001	52			0.003	0.003	0.001	0.002
Mg		4	0.086	0.008	9			0.085	0.092	0.075	0.092
Mn		4	0.000	0.000	59			0.000	0.000	0.000	0.001
Mo		4	0.001	0.002	186			0.003	0.002	-0.001	0.001
Na		4	0.021	0.021	97			0.025	0.026	-0.007	0.042
Nd	2.000	4	1.954	0.036	2	-0.046	-2.3	1.912	1.940	1.963	2.001
Ni		4	0.012	0.012	99			0.008	0.030	0.004	0.006
P		4	-0.003	0.008	-299			0.006	-0.008	-0.010	0.007
Pb		4	0.050	0.008	15			0.056	0.049	0.040	0.056
Pd	2.000	4	2.126	0.108	5	0.126	6.3	2.010	2.087	2.144	2.261
Rh	2.000	4	2.006	0.037	2	0.006	0.3	1.966	1.986	2.024	2.048
Sb		4	0.010	0.011	110			0.017	0.020	0.001	0.000
Se		4	0.015	0.004	25			0.017	0.019	0.010	0.015
Si		4	0.073	0.055	76			0.155	0.058	0.041	0.039
Sn	2.000	4	1.966	0.142	7	-0.034	-1.7	2.051	2.026	2.032	1.753
Sr		4	0.000	0.000	66			0.001	0.001	0.000	0.001
Te	2.000	4	1.803	0.018	1	-0.197	-9.8	1.814	1.818	1.779	1.800
Th	5.000	4	5.011	0.053	1	0.011	0.2	4.941	5.004	5.066	5.032
Ti		4	0.001	0.000	46			0.001	0.001	0.000	0.001
Tl		4	0.010	0.013	128			0.017	0.024	0.005	-0.005
U	10.000	4	8.549	0.125	1	-1.451	-14.5	8.603	8.407	8.494	8.692
V		4	-0.001	0.001	-77			0.000	-0.001	-0.003	-0.001
W	2.000	4	0.501	0.009	2	-1.499		0.495	0.493	0.503	0.513
Y	1.000	4	0.964	0.009	1	-0.036	-3.6	0.955	0.958	0.972	0.971
Zn		4	0.001	0.000	25			0.002	0.001	0.002	0.001
Zr		4	-0.009	0.002	-24			-0.007	-0.008	-0.012	-0.008
TIME		4	########	0.000	0			10000.000	########	########	########

3-570

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

								SRM-1643c 103666	-1643c 10	-1643c 10	-1643c 103666
								95D255A	95D255A	95D255A	95D255A
								9/12/95	9/12/95	9/12/95	9/12/95
Statistical Summary for "SRM-1643c 103666"								09:50	12:21	15:06	18:29
(NIST:SRM1643c)								CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	2926	2971	3016	3061
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag	0.002	4	-0.001	0.002	-308	-0.003	-130.7	0.002	-0.002	-0.002	-0.001
Al	0.115	4	0.101	0.009	9	-0.013	-11.4	0.112	0.106	0.092	0.096
As	0.082	4	0.086	0.010	11	0.004	5.0	0.091	0.093	0.072	0.088
B	0.119	4	0.114	0.004	4	-0.005	-4.1	0.116	0.116	0.117	0.108
Ba	0.050	4	0.049	0.001	2	0.000	-0.3	0.048	0.049	0.049	0.051
Be	0.023	4	0.022	0.000	1	-0.001	-5.5	0.022	0.022	0.022	0.022
Bi		4	0.013	0.011	86			0.029	0.013	0.006	0.004
Ca	38.800	4	35.156	0.383	1	-1.644	-4.5	35.054	35.716	34.651	35.003
Cd	0.012	4	0.011	0.002	14	-0.001	-7.6	0.010	0.011	0.013	0.010
Ce		4	-0.009	0.013	-136			0.010	-0.014	-0.014	-0.018
Co	0.024	4	0.023	0.003	11	0.000	-0.1	0.026	0.025	0.020	0.023
Cr	0.019	4	0.020	0.001	7	0.001	6.3	0.020	0.022	0.019	0.020
Cu	0.022	4	0.018	0.003	16	-0.005	-20.8	0.021	0.018	0.016	0.019
Dy		4	-0.002	0.001	-71			0.000	-0.002	-0.003	-0.002
Eu		4	0.001	0.001	97			0.001	0.000	0.000	0.000
Fe	0.107	4	0.119	0.001	1	0.012	11.0	0.119	0.119	0.117	0.120
K	2.300	4	1.927	0.241	13	-0.373	-16.2	2.227	1.640	1.953	1.888
La		4	0.004	0.003	68			0.007	0.003	0.001	0.004
Li	0.017	4	0.012	0.001	9	-0.005	-27.3	0.013	0.013	0.011	0.011
Mg	9.450	4	9.916	0.153	2	0.466	4.9	9.716	9.920	9.940	10.087
Mn	0.036	4	0.035	0.000	1	0.000	-1.2	0.034	0.035	0.035	0.035
Mo	0.104	4	0.105	0.002	2	0.001	0.7	0.105	0.107	0.103	0.105
Na	12.180	4	12.215	0.803	7	0.025	0.2	11.042	11.987	13.059	12.770
Nd		4	-0.001	0.010	-1154			0.014	-0.004	-0.009	-0.004
Ni	0.061	4	0.060	0.005	8	0.000	-0.2	0.061	0.067	0.056	0.057
P		4	0.015	0.009	65			0.025	0.006	0.007	0.020
Pb	0.035	4	0.027	0.006	23	-0.009	-24.1	0.035	0.023	0.021	0.028
Pd		4	-0.028	0.037	-129			0.024	-0.030	-0.058	-0.049
Rh		4	-0.013	0.015	-117			0.009	-0.016	-0.024	-0.020
Sb		4	-0.003	0.006	-196			0.006	-0.004	-0.006	-0.007
Se	0.013	4	0.013	0.011	86	0.000	0.3	0.020	0.024	0.000	0.007
Si		4	0.025	0.042	170			0.088	0.008	0.004	0.000
Sn		4	-0.056	0.044	-78			0.005	-0.089	-0.086	-0.054
Sr	0.264	4	0.266	0.011	4	0.003	1.0	0.254	0.265	0.265	0.281
Te		4	-0.006	0.009	-151			0.007	-0.006	-0.012	-0.012
Th		4	-0.006	0.002	-31			-0.006	-0.004	-0.009	-0.006
Ti		4	0.007	0.000	0			0.008	0.007	0.007	0.007
Tl	0.008	4	0.015	0.005	34	0.007	83.7	0.020	0.018	0.010	0.010
U		4	0.063	0.164	262			0.304	0.005	-0.065	0.007
V	0.031	4	0.027	0.001	3	-0.004	-14.3	0.028	0.026	0.026	0.027
W		4	0.001	0.002	154			0.001	0.002	0.003	-0.001
Y		4	-0.002	0.001	-31			-0.001	-0.003	-0.003	-0.002
Zn	0.074	4	0.086	0.002	2	0.012	16.2	0.084	0.088	0.085	0.086
Zr		4	-0.002	0.001	-76			0.000	-0.002	-0.002	-0.003
TIME		4	########	0.000	0			10000.000	########	########	########

3-571

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

								STD1-Blank 108444	1-Blank 10	1-Blank 10	1-Blank 10	1-Blank 10	1-Blank 10	1-Blank 10	1-Blank 10	1-Blank 10	1-Blank 10	1-Blank 10	1-Blank 10
								95D255A	95D255A	95D255A	95D255A	95D255A	95D255A	95D255A	95D255A	95D255A	95D255A	95D255A	95D255A
								9/12/95	9/12/95	9/12/95	9/12/95	9/12/95	9/12/95	9/12/95	9/12/95	9/12/95	9/12/95	9/12/95	9/12/95
Statistical Summary for 'STD1-Blank 108444'								09:39	10:06	11:01	11:55	12:29	14:35	14:46	15:24	16:48	17:05	17:56	18:38
(STD1-Blank)								CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	3601	3646	3691	3736	3781	3826	3871	3916	3961	4006	4051	4096
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		12	0.000	0.002	-677			-0.001	0.001	-0.002	-0.002	-0.001	-0.001	-0.003	0.000	0.003	0.000	0.003	-0.001
Al		12	0.005	0.010	199			0.003	0.006	0.006	0.007	0.002	-0.003	-0.010	-0.004	0.015	0.031	0.010	0.000
As		12	0.003	0.008	208			0.008	0.011	0.005	0.008	0.009	0.000	-0.008	-0.006	-0.001	0.001	0.003	0.003
B		12	0.005	0.007	148			0.008	0.004	0.002	0.005	0.003	0.005	0.003	0.000	0.008	0.025	0.000	-0.004
Ba		12	0.000	0.000	343			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Be		12	0.000	0.000	216			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Bi		12	0.001	0.004	289			0.003	0.007	0.000	0.000	0.009	-0.001	-0.004	0.004	0.006	-0.004	-0.001	-0.002
Ca		12	0.002	0.005	309			0.001	0.002	0.001	0.002	0.003	-0.001	-0.003	-0.003	0.004	0.016	0.003	-0.005
Cd		12	0.000	0.001	1617			-0.001	-0.001	-0.001	0.000	-0.002	0.000	0.000	0.001	0.001	0.001	0.002	0.000
Ce		12	0.001	0.011	2176			-0.001	0.003	-0.008	-0.010	-0.009	-0.002	-0.014	0.022	0.017	0.001	0.010	-0.003
Co		12	0.001	0.001	165			0.000	0.002	0.000	0.001	0.001	0.000	-0.001	0.000	0.002	0.001	0.003	0.000
Cr		12	-0.001	0.001	-202			0.002	0.000	0.000	0.000	0.001	-0.001	-0.001	-0.002	-0.001	0.000	-0.001	-0.002
Cu		12	0.000	0.002	1082			0.000	-0.001	-0.004	-0.002	-0.001	0.005	0.002	-0.003	0.002	0.001	0.003	0.000
Dy		12	0.000	0.001	2495			-0.001	0.000	0.000	-0.001	0.000	-0.001	-0.002	0.000	0.003	0.001	0.002	0.000
Eu		12	0.000	0.000	582			0.000	0.000	0.000	0.000	0.000	0.000	-0.001	0.000	0.001	0.000	0.001	0.000
Fe		12	0.000	0.001	-1050			-0.001	0.001	0.002	0.000	-0.001	-0.001	-0.001	-0.001	0.001	-0.001	0.002	-0.001
K		12	-0.097	0.353	-365			-0.118	-0.017	-0.327	-0.536	-0.490	-0.191	-0.519	0.023	0.572	0.082	0.437	-0.076
La		12	0.000	0.002	-5090			0.000	0.001	-0.001	-0.002	-0.001	-0.001	-0.004	0.000	0.005	0.000	0.003	0.000
Li		12	0.001	0.002	144			0.001	0.001	0.001	0.000	0.000	0.000	-0.002	0.001	0.003	0.004	0.003	0.000
Mg		12	0.000	0.006	1865			-0.003	0.010	0.001	-0.002	0.002	-0.002	-0.006	-0.010	0.010	-0.002	0.008	-0.002
Mn		12	0.000	0.000	-1222			0.000	0.000	-0.001	-0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
Mo		12	0.001	0.001	144			0.000	0.001	0.001	0.001	0.002	0.000	-0.001	-0.002	0.001	0.002	0.002	0.002
Na		12	-0.001	0.095	-7837			0.008	0.001	-0.006	-0.003	-0.006	-0.026	-0.042	0.108	0.171	-0.136	0.090	-0.172
Nd		12	-0.001	0.009	-1179			-0.002	0.004	-0.006	-0.009	-0.009	-0.004	-0.015	0.000	0.020	0.004	0.011	-0.004
Ni		12	0.003	0.005	152			0.001	0.005	0.015	0.006	0.003	-0.001	-0.001	0.002	0.004	-0.001	0.003	-0.002
P		12	0.006	0.008	146			0.011	0.006	0.000	0.000	0.001	0.009	-0.007	0.000	0.019	0.018	0.010	-0.003
Pb		12	0.000	0.009	-3989			-0.005	0.001	-0.005	-0.010	-0.005	-0.003	-0.011	0.000	0.018	0.008	0.015	0.000
Pd		12	0.004	0.025	576			0.009	0.025	-0.001	-0.003	0.003	-0.010	-0.044	0.001	0.057	0.004	0.028	-0.018
Rh		12	0.001	0.012	847			0.003	0.010	-0.003	-0.006	0.000	-0.009	-0.020	0.002	0.027	0.002	0.015	-0.003
Sb		12	0.002	0.006	311			0.003	0.005	0.012	0.007	0.008	0.002	-0.005	0.002	-0.002	-0.003	0.001	-0.008
Se		12	0.000	0.006	-2378			-0.002	0.008	0.000	-0.003	-0.003	0.002	-0.012	-0.002	0.007	-0.003	0.009	-0.005
Si		12	0.015	0.061	400			0.197	-0.001	-0.024	0.035	-0.026	0.034	0.010	-0.019	0.012	-0.007	-0.006	-0.021
Sn		12	-0.002	0.042	-2268			-0.018	0.020	-0.031	-0.045	-0.029	-0.005	-0.075	0.018	0.059	0.024	0.068	-0.008
Sr		12	0.000	0.000	75			0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.001
Te		12	0.000	0.007	-1825			0.005	0.007	0.003	-0.004	0.000	-0.006	-0.013	-0.003	0.011	0.000	0.006	-0.009
Th		12	-0.001	0.005	-437			-0.003	0.000	0.000	-0.002	-0.001	-0.007	-0.007	-0.008	0.001	0.002	0.009	0.004
Ti		12	0.000	0.001	-1544			0.000	0.000	0.000	0.000	-0.001	0.000	-0.001	0.000	0.001	0.000	0.001	0.000
Tl		12	0.001	0.008	1132			0.006	0.004	0.001	0.014	0.010	-0.001	-0.014	-0.003	0.001	-0.003	0.002	-0.008
U		12	0.012	0.140	1188			0.019	0.039	-0.033	-0.074	-0.064	-0.062	-0.224	0.043	0.320	0.063	0.193	-0.059
V		12	0.000	0.001	-458			-0.001	0.000	-0.001	-0.001	-0.001	-0.001	-0.002	0.000	0.002	0.000	0.002	0.000
W		12	0.001	0.006	501			-0.009	-0.001	-0.002	-0.003	-0.005	0.007	0.008	0.007	0.009	0.000	0.005	-0.003
Y		12	0.000	0.001	-852			0.000	0.000	0.000	-0.001	-0.001	0.000	-0.001	0.000	0.001	0.000	0.001	0.000
Zn		12	0.000	0.001	491			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	-0.001
Zr		12	0.000	0.001	-991			-0.001	0.000	0.000	0.000	-0.001	-0.001	-0.002	0.001	0.003	0.000	0.001	-0.001
TRUE		12	########	0.000	0			10000.000	########	########	########	########	########	########	########	########	########	########	########

WHC-SD-WM-DP-145, REV 1

3-572

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

								SST-ICS-0 95090811	S-0 9509	S-0 9509	S-0 9509081100								
								95D255A	95D255A	95D255A	95D255A								
								9/12/95	9/12/95	9/12/95	9/12/95								
Statistical Summary for "SST-ICS-0 950908100"								10:00	10:57	11:51	12:13								
(Interference Check Std - Acid Digestion)								CONC	CONC	CONC	CONC								
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	3196	3241	3286	3331								
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)								
Ag		4	-0.009	0.002	-19			-0.007	-0.006	-0.011	-0.008								
Al	100.0	4	97.958	1.149	1	-2.042	-2.0	97.393	97.860	99.596	96.982								
As		4	0.121	0.009	7			0.114	0.119	0.115	0.133								
B		4	0.002	0.002	112			0.004	-0.001	0.003	0.002								
Ba		4	0.000	0.000	65			0.000	0.000	0.000	0.001								
Be		4	0.001	0.000	8			0.001	0.001	0.001	0.001								
Bi		4	0.059	0.003	6			0.056	0.058	0.058	0.064								
Ca		4	0.076	0.002	2			0.075	0.077	0.075	0.079								
Cd		4	0.007	0.001	13			0.009	0.007	0.007	0.007								
Ce		4	-0.141	0.016	-12			-0.127	-0.132	-0.164	-0.139								
Co		4	0.005	0.001	29			0.006	0.005	0.003	0.006								
Cr		4	0.036	0.001	2			0.036	0.035	0.037	0.037								
Cu		4	-0.014	0.005	-36			-0.007	-0.018	-0.017	-0.015								
Dy		4	-0.004	0.001	-36			-0.004	-0.004	-0.006	-0.002								
Eu		4	0.000	0.000	103			0.001	0.000	0.000	0.001								
Fe	20.0	4	19.986	0.135	1	-0.014	-0.1	19.915	19.950	20.185	19.894								
K		4	-0.141	0.232	-165			0.000	-0.079	-0.485	0.000								
La		4	0.003	0.002	73			0.005	0.004	0.000	0.005								
Li		4	0.004	0.001	33			0.004	0.005	0.003	0.006								
Mg		4	0.281	0.015	5			0.266	0.282	0.276	0.302								
Mn		4	0.001	0.000	15			0.001	0.001	0.001	0.001								
Mo		4	0.009	0.001	13			0.010	0.008	0.008	0.011								
Na		4	0.011	0.024	227			0.001	0.012	-0.014	0.043								
Nd		4	-0.026	0.008	-32			-0.023	-0.026	-0.038	-0.018								
Ni	50.0	4	52.039	0.385	1	2.039	4.1	51.844	51.939	52.567	52.005								
P		4	0.025	0.006	24			0.024	0.032	0.018	0.026								
Pb		4	0.189	0.009	5			0.196	0.188	0.177	0.194								
Pd		4	-0.381	0.035	-9			-0.345	-0.369	-0.427	-0.381								
Rh		4	-0.033	0.012	-38			-0.032	-0.032	-0.050	-0.020								
Sb		4	0.003	0.007	242			0.002	0.002	-0.005	0.012								
Se		4	0.022	0.003	13			0.024	0.022	0.024	0.018								
Si		4	0.075	0.061	80			0.085	0.026	0.146	0.064								
Sn		4	0.028	0.048	167			0.047	0.040	-0.040	0.064								
Sr		4	0.000	0.000	93			0.000	0.000	0.000	0.000								
Ta		4	-0.002	0.009	-414			0.003	-0.002	-0.015	0.006								
Th		4	0.687	0.022	3			0.660	0.677	0.703	0.706								
Ti		4	0.001	0.000	47			0.001	0.001	0.000	0.002								
Tl		4	0.227	0.006	3			0.218	0.227	0.232	0.232								
U	50.0	4	50.178	0.555	1	0.178	0.4	49.868	50.100	50.983	49.760								
V		4	0.001	0.001	102			0.002	0.001	-0.001	0.002								
W		4	0.049	0.005	10			0.053	0.043	0.047	0.052								
Y		4	0.003	0.000	17			0.003	0.003	0.002	0.003								
Zn		4	-0.029	0.001	-5			-0.028	-0.031	-0.027	-0.029								
Zr	10.0	4	10.016	0.086	1	0.016	0.2	9.983	9.974	10.145	9.964								
TIME		4	########	0.000	0			10000.000	########	########	########								

								SST-ICS-1 9509081	S-1 9509	S-1 9509	S-1 9509	S-1 9509081101
								95D255A	95D255A	95D255A	95D255A	95D255A
								9/12/95	9/12/95	9/12/95	9/12/95	9/12/95
Statistical Summary for 'SST-ICS-1 9509081101'								17:52	18:20	15:18	16:44	16:53
(Interference Check Std - Na2O2/Zr Fusion)								CONC	CONC	CONC	CONC	CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	3376	3421	3466	3511	3556
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		5	-0.005	0.001	-25			-0.006	-0.005	-0.005	-0.003	-0.006
Al	100.0	5	90.394	1.106	1	-9.606	-9.6	91.245	89.949	89.848	89.108	91.822
As		5	0.167	0.022	13			0.179	0.178	0.130	0.183	0.164
B		5	0.005	0.007	129			0.000	0.000	0.003	0.015	0.007
Ba		5	0.001	0.000	34			0.001	0.001	0.001	0.001	0.001
Be		5	0.001	0.000	3			0.001	0.001	0.001	0.001	0.001
Bi		5	0.064	0.004	7			0.066	0.060	0.060	0.071	0.063
Ca		5	0.046	0.004	8			0.047	0.048	0.043	0.055	0.049
Cd		5	0.010	0.001	7			0.009	0.010	0.010	0.011	0.010
Ce		5	-0.116	0.016	-13			-0.130	-0.121	-0.092	-0.109	-0.126
Co		5	0.010	0.001	14			0.011	0.011	0.008	0.011	0.010
Cr		5	0.040	0.002	4			0.040	0.042	0.036	0.039	0.041
Cu		5	-0.012	0.003	-26			-0.014	-0.010	-0.014	-0.007	-0.014
Dy		5	0.002	0.001	62			0.001	0.003	0.001	0.004	0.002
Eu		5	0.002	0.000	15			0.002	0.002	0.002	0.003	0.002
Fe	20.0	5	18.304	0.308	2	-1.696	-8.5	18.549	18.267	17.891	18.157	18.658
K		5	0.722	0.252	35			0.546	0.769	0.459	1.112	0.723
La		5	0.011	0.002	16			0.009	0.012	0.010	0.014	0.011
Li		5	0.013	0.001	10			0.013	0.013	0.012	0.015	0.013
Mg		5	0.312	0.011	4			0.314	0.316	0.292	0.320	0.319
Mn		5	0.002	0.000	12			0.002	0.002	0.002	0.003	0.002
Mo		5	0.014	0.002	16			0.015	0.016	0.010	0.015	0.014
Na		5	3699.975	44.406	1			3733.137	3700.213	3639.402	3676.485	3750.840
Nd		5	0.015	0.009	63			0.010	0.015	0.004	0.029	0.015
Ni	50.0	5	47.549	0.810	2	-2.451	-4.9	48.204	47.556	46.458	47.090	48.439
P		5	0.101	0.008	8			0.092	0.109	0.102	0.093	0.109
Pb		5	0.238	0.010	4			0.241	0.241	0.220	0.245	0.243
Pd		5	-0.296	0.026	-9			-0.318	-0.301	-0.313	-0.251	-0.296
Rh		5	0.020	0.010	51			0.012	0.019	0.011	0.037	0.022
Sb		5	0.031	0.008	25			0.021	0.034	0.026	0.039	0.037
Se		5	0.057	0.009	16			0.062	0.063	0.042	0.062	0.054
Si		5	0.009	0.012	142			-0.005	0.013	-0.003	0.021	0.019
Sn		5	-0.039	0.130	-337			-0.122	-0.093	0.191	-0.083	-0.105
Sr		5	0.001	0.000	48			0.001	0.001	0.000	0.001	0.000
Ta		5	0.027	0.008	28			0.025	0.027	0.019	0.040	0.026
Th		5	0.683	0.009	1			0.688	0.682	0.680	0.672	0.684
Ti		5	0.004	0.001	16			0.003	0.004	0.003	0.005	0.004
Tl		5	0.220	0.006	3			0.226	0.215	0.215	0.227	0.217
U	50.0	5	45.985	0.970	2	-4.015	-8.0	46.598	45.954	44.536	45.742	47.093
V		5	0.006	0.001	15			0.005	0.006	0.005	0.008	0.006
W		5	0.061	0.005	8			0.053	0.062	0.068	0.063	0.060
Y		5	0.006	0.001	11			0.005	0.006	0.005	0.007	0.006
Zn		5	-0.030	0.002	-6			-0.030	-0.032	-0.027	-0.030	-0.029
Zr	10.0	5	9.550	0.172	2	-0.450	-4.5	9.691	9.522	9.329	9.459	9.750
TIME		5	########	0.000	0			10000.000	########	########	########	########

3-574

WHC-SD-WM-DP-145, REV. 1

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

Statistical Summary for 'SRM-2709-N @10X DIL'
(LCSS - Na2O2/Zr Fusion)

	TRUE (mg/g)	N	Average (mg/g)	S.Dev (mg/g)	%RSD (%)	Bias (mg/g)	Bias (%)	SRM-2709-N @10X DIL 95D255A 9/12/95 18:08 CONC 3106 mg/g
Ag		1	-	#DIV/0!	#####			-
Al	75000	1	64707.3	#DIV/0!	#####	-10293	-13.7	64707.31
As	18	1	-	#DIV/0!	#####	-18	-100.0	-
B		1	222.5	#DIV/0!	#####			[222.48]
Ba	968	1	852.5	#DIV/0!	#####	-116	-11.9	852.46
Be		1	-	#DIV/0!	#####			-
Bi		1	-	#DIV/0!	#####			-
Ca	18900	1	19828.6	#DIV/0!	#####	929	4.9	19828.62
Cd	0.4	1	-	#DIV/0!	#####	0	-100.0	-
Ce		1	-	#DIV/0!	#####			-
Co	13	1	71.5	#DIV/0!	#####	58	433.6	[71.50]
Cr	130	1	226.6	#DIV/0!	#####	97	74.3	[226.60]
Cu	36	1	85.6	#DIV/0!	#####	51	147.3	[85.57]
Dy	3.5	1	-	#DIV/0!	#####	-4	-100.0	-
Eu	0.9	1	-	#DIV/0!	#####	-1	-100.0	-
Fe	35000	1	32874.9	#DIV/0!	#####	-2125	-6.1	32874.90
K	20300	1	25538.8	#DIV/0!	#####	5239	25.8	[25538.76]
La	23	1	-	#DIV/0!	#####	-23	-100.0	-
Li		1	-	#DIV/0!	#####			-
Mg	15100	1	14893.1	#DIV/0!	#####	-207	-1.4	14893.12
Mn	538	1	515.1	#DIV/0!	#####	-23	-4.3	515.11
Mo	2.0	1	-	#DIV/0!	#####	-2	-100.0	-
Na	11800	0	#DIV/0!	#DIV/0!	#####	#DIV/0!	#####	>6142906
Nd	19	1	366.8	#DIV/0!	#####	348	1830.4	[366.77]
Ni	88	1	528.6	#DIV/0!	#####	441	500.7	[528.57]
P	620	1	882.9	#DIV/0!	#####	263	42.4	[882.97]
Pb	19	1	1700.3	#DIV/0!	#####	1681	8896.3	[1700.31]
Pd		1	-	#DIV/0!	#####			-
Rh		1	-	#DIV/0!	#####			-
Sb	7.9	1	-	#DIV/0!	#####	-8	-100.0	-
Se	1.8	1	-	#DIV/0!	#####	-2	-100.0	-
Si	296800	1	264935	#DIV/0!	#####	-31865	-10.7	264934.64
Sn		1	-	#DIV/0!	#####			-
Sr	231	1	266.6	#DIV/0!	#####	36	15.4	[266.60]
Te		1	-	#DIV/0!	#####			-
Th	11	1	-	#DIV/0!	#####	-11	-100.0	-
Ti	3420	1	3057.6	#DIV/0!	#####	-362	-10.6	3057.60
Tl	1	1	-	#DIV/0!	#####	-1	-100.0	-
U	3	1	-	#DIV/0!	#####	-3	-100.0	-
V	112	1	143.6	#DIV/0!	#####	32	28.2	[143.55]
W	2	1	-	#DIV/0!	#####	-2	-100.0	-
Y	18	1	-	#DIV/0!	#####	-18	-100.0	-
Zn	106	1	-	#DIV/0!	#####	-106	-100.0	-
Zr	160	1	33597.3	#DIV/0!	#####	33437	#####	33597.30
TIME	10000	1	10000.0	#DIV/0!	#####	0	0.0	10000.0

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

ICPAES RUN LOG (ICP -325-405)-1

(X)		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	M	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1		✓	✓							Co Profile 950814I101		K.Silvers	K28966	9502558A	ECP1	9/12/95 DM
	2	✓	✓		✓		✓				SPC-BLK 108444						
	3	✓	✓	✓							SPC-STD 950831I101						
	4	✓				✓	✓				STD1-Blank 108444						
	5	✓				✓					" 2 950830I102						
	6	✓				✓					" 3 3						
	7	✓				✓					" 4 4						
	8	✓				✓					" 5 5						
	9	✓				✓					" 6 6						
	10	✓				✓					" 7 7						
	11	✓				✓					" 8 8						
	12	✓				✓					" 9 9						
	13	✓					✓				" 1-Blank 108444						
	14	✓							✓	PASS	MCVA 950728I901						
	15	✓							✓	PASS(2)	MCVB 950911H901						
	16	✓							✓		SRM-1642c 102668						
	17	✓						✓			CCV1 950713H901						
	18	✓					✓				~~SST-ICS~~ RPS 9/12 SST-ICS-0 950902E100						
	19	✓									STD1-Blank 108444						
	20	✓								95-007932=A3	Drainable Liquids Method Blank (Acid digest)	2X					
	21	✓								95-007932-A3	" " " " "						
	22	✓								95-007932-A4	" " Matrix Spike "	2X					
	23	✓								95-007932-A4	" " "	10X					
	24	✓								95-007932-A4	" " "	50X					
	25	✓								499 mL	Na @ 560 ppm (950622I124 @10X)						

[SP] System Performance [S]tandardization or calibration

[M]id-range Calibration Verificatio [P]rofile (2 ppm Cu)

*Mode (C or I) = [C]oncentration, [I]ntensity

Initial or Continuing Calibration [B]lank

[X] A solid vertical line denotes contiguous data.

M&TE # WD66560

Initial or Continuing Calibration [V]erification Standard

*ADF = Analytical Dilution Factor (other than 1x)

file: C:\OPTIONS\TOOL\MSVIUN.OO.T.72 (94-02-03)

Pd, Sn, Te, U, W - N/A w.o.c.

3-576

WHC-SD-WM-DP-145, REV. 1

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

ICPAES RUN LOG (ICP -325-405)-1

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	M	V	N	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1	✓								95-007932-A5	Drainable Liquid Spike Control (Acid digest)	50X	K. Silvers	K28B66	950255A	ICP1	9/13/95 DW
	1	✓								95-007932-A5	" " " " "	10X					
	1	✓								95-007932-A5	" " " " "						
	1	✓							✓	PASS	MCVA 950728I901						
	1	✓							✓		~~[illegible]~~ DW - SST-ICS-0 950908I100						
	1	✓					✓				STD1-Blank 108444						
	1	✓								95-007932-A1	Seg 2 Drainable Liquid (Acid digest)	50X					
	1	✓								95-007932-A1	" " " " "	10X					
	1	✓								95-007932-A1	" " " " "	5X					
	11	✓								95-007932-A2	" " " " Duplicate "	50X					
	11	✓								95-007932-A2	" " " " " "	10X					
	11	✓								95-007932-A2	" " " " " "	5X					
	11	✓								95-007935-A1	" 3 " " "	50X					
	11	✓								95-007935-A1	" " " " "	10X					
	11	✓								95-007935-A1	" " " " "	5X					
	11	✓								49.5 ppm	STD 9 for W @ 50 ppm						
	11	✓							✓	PASS	MCVA 950728I901						
	11	✓							✓		SST-ICS-0 950908I100						
	11	✓					✓				STD1-Blank 108444						
	11	✓								95-007935-A2	Seg 3 Drainable Liquid Drip (Acid digest)	50X					
	11	✓								95-007935-A2	" " " " " "	10X					
	11	✓								95-007935-A2	" " " " " "	5X					
	11	✓							✓	PASS	MCVA 950728I901						
	11	✓							✓		SST-ICS-0 950908I100						
	11	✓							✓	PASS ⊗	MCVB 950911H901						

[SP] System Performance [S]tandardization or calibration Initial or Continuing Calibration [B]lank Initial or Continuing Calibration [V]erification Standard

[M]id-range Calibration Verification [P]refile (2 ppm Cu) [X] A solid vertical line denotes contiguous data. "ADF" = Analytical Dilution Factor (other than 1x)

*Mode [C or I] = [C]oncentration, [I]ntensity M&TE # WD80560 file: C:\QPROV\TOOL\AMS\RUNLOG.T.72 (04-02-93)

3-577

WHC-SD-WM-DP-145, REV. 1

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

ICPAES RUN LOG (ICP -325-405)-1

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	N	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1	✓							✓		SRM-1643c 103668		K. Silvers	K28866	950255A	ICP1	9/12/95 DK
	1	✓						✓			CCV1 950713H901						
	1	✓					✓				STD1-Blank 108444						
	1	✓				✓	✓				STD1-Blank 108444						
	1	✓				✓					" 2 950830I102						
	1	✓				✓					" 3 3						
	1	✓				✓					" 4 4						
	1	✓				✓					" 5 5						
	1	✓				✓					" 6 6						
	11	✓				✓					" 7 7						
	11	✓				✓					" 8 8						
	11	✓				✓					" 9 9						
	11	✓					✓				STD1-Blank 108444						
	11	✓									2% HNO3 Diluent Pump 108441						
	11	✓									"Pipeted" STD1-Blank 108444						
	11	✓									MCVA Ca contamination check	5X					
	11	✓					✓				STD1-Blank 108444						
	11	✓							✓	Fail-K High	MCVA 950729I901						
	11	✓							✓	PASS	" "						
	11	✓							✓	PASS ⊗	MCVB 950911H901						
	11	✓							✓		SRM-1643c 103668						
	11	✓						✓			CCV1 950713H901						
	11	✓							✓		SST-ICS-1 950908I101						
	11	✓					✓				STD1-Blank 108444						
	11	✓								95-007941-N3	Method Blank (Na2O2 Fusion)	5X					

[SP] System Performance [S]tandardization or calibration

[M]id-range Calibration Verificatio [P]refile (2 ppm Cu)

Mode [C or I] = [C]oncentration, [I]ntensity

Initial or Continuing Calibration [B]lank

[X] A solid vertical line denotes contiguous data.

M&TE # WD00560

Initial or Continuing Calibration [V]erification Standard

"ADF" = Analytical Dilution Factor (other than 1x)

file: C:\OPTIOVP\ICOR\MSV\RUNLOG.T/2 (94-02-03)

3-578

WHC-SD-WM-DP-145, REV. 1

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

ICPAES RUN LOG (ICP -325-405)-1

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	M	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	✓									95-007941-N3	Method Blank (Na2O2 Fusion)	2X	K. Silvers	K28866	95D255A	ICP1	9/12/95 [illegible]
	✓									95-007941-N1	Segment 1 "	10X					
	✓									95-007941-N1	" " "	2X					
	✓									95-007941-N1-PS	" " Post Digest Spike "	5X					
	✓									95-007941-N2	" " Duplicate "	10X					
	✓									95-007941-N2	" " " "	2X					
	✓									95-007943-N1	Qtr Seg 2D "	10X					
	✓									95-007943-N1	" " " "	2X					
	✓								✓	Fail-Be, Li, Si Low	MCVA 950728I901						
	✓								✓	Fail-K High	" "						
	✓								✓	PASS	" "						
	✓								✓		SST-ICS-1 950908I101						
	✓						✓				STD1-Blank 108444						
	✓								✓		SST-ICS-1 960908I101						
	✓						✓				STD 1-Blank 108444						
	✓									95-007944-N1	Qtr Seg 3A (Na2O2 Fusion)	10X					
	✓									95-007944-N1	" " " "	2X					
	✓									95-007945-N1	" " 4A "	10X					
	✓									95-007945-N1	" " " "	2X					
	✓									95-007945-N1-PS	" " " Post Digest Spike "	5X					
	✓									95-007946-N1	" " 4B "	10X					
	✓									95-007946-N1	" " " "	2X					
	✓									95-007947-N1	" " 4C "	10X					
	✓									95-007947-N	" " " "	2X					
	✓								✓	PASS	MCVA 960728I901						

[SP] System Performance [S]tandardization or calibration
[M]id-range Calibration Verificatio [P]rofile (2 ppm Cu)
*Mode (C or I) = [C]oncentration, [I]ntensity

Initial or Continuing Calibration [B]lank
[X] A solid vertical line denotes contiguous data.
M&TE#WD00560

Initial or Continuing Calibration [V]erification Standard
"ADF" = Analytical Dilution Factor (other than 1x)
file: C:\OPROV\PROGRAMS\RUNLOG.TJ2 (04-02-93)

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

ICPAES RUN LOG (ICP -325-405)-1

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	M	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1	✓							✓		SST-ICS-1 950908I101		K. Silvers	H28966	950255A	ICP1	9/13/95 JWM
	2	✓					✓				STD1-Blank 108444						
	3	✓								95-007948-N1	Qtr Seg 4D (Na2O2 Fusion)	10X					
	4	✓								95-007948-N1	" " " "	2X					
	5	✓									SRM-2709-N "	10X					
	6	✓									" " " "	2X					
	7	✓							✓	PASS	MCVA 950728I901						
	8	✓							✓		SST-ICS-1 950908I101						
	9	✓							✓	PASS	MCVB 950711H901						
	10	✓							✓		SRM-1643C 103668						
	11	✓						✓			CCV1 950713H901						
	12	✓					✓				STD1-Blank 108444						
	13																
	14																
	15																
	16																
	17																
	18																
	19																
	20																
	21																
	22																
	23																
	24																
	25																

[SP] System Performance [S]tandardization or calibration

[M]id-range Calibration Verification [P]rolle (2 ppm Cu)

*Mode (C or I) = [C]oncentration, [I]ntensity

Initial or Continuing Calibration [B]lank

[X] A solid vertical line denotes contiguous data.

M&TE # WD08568

Initial or Continuing Calibration [V]erification Standard

ADF = Analytical Dilution Factor (other than 1x)

file: C:\OFFICE\ICP\ICP\ICPLOG.T.2 (04-02-93)

WHC-SD-WM-DP-145, REV. 1

3-580

Analysis Report Summary Tue 09-12-95 06:47:10 PM page 1

95D255A
ICV-325-405-1
9/12/95 DKS

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	SPC-BLK 108444	95D255A	ICP1	09/12/95	08:52	DRS	S	INT
2	SPC-BLK 108444	95D255A	ICP1	09/12/95	08:52	DRS	S	CONC
3	SPC-STD 950831I101	95D255A	ICP1	09/12/95	08:55	DRS	S	INT
4	SPC-STD 950831I101	95D255A	ICP1	09/12/95	08:55	DRS	S	CONC
5	STD1-Blank	95D255A	ICP1	09/12/95	09:02		X	IR
6	STD2	95D255A	ICP1	09/12/95	09:04		X	IR
7	STD3	95D255A	ICP1	09/12/95	09:08		X	IR
8	STD4	95D255A	ICP1	09/12/95	09:11		X	IR
9	STD5	95D255A	ICP1	09/12/95	09:15		X	IR
10	STD6	95D255A	ICP1	09/12/95	09:18		X	IR
11	STD7	95D255A	ICP1	09/12/95	09:22		X	IR
12	STD8	95D255A	ICP1	09/12/95	09:26		X	IR
13	STD9	95D255A	ICP1	09/12/95	09:29		X	IR
14	STD1-Blank 108444	95D255A	ICP1	09/12/95	09:39	DRS	S	CONC
15	MCVA 950728I901	95D255A	ICP1	09/12/95	09:43	DRS	Q	CONC
16	MCVB 950911H901	95D255A	ICP1	09/12/95	09:46	DRS	Q	CONC
17	SRM-1643c 103668	95D255A	ICP1	09/12/95	09:50	DRS	Q	CONC
18	CCV1 950713H901	95D255A	ICP1	09/12/95	09:55	DRS	S	CONC
19	SST-ICS-0 950908I100	95D255A	ICP1	09/12/95	10:00	DRS	S	CONC
20	STD1-Blank 108444	95D255A	ICP1	09/12/95	10:06	DRS	S	CONC
21	95-007932-A3 @2	95D255A	ICP1	09/12/95	10:09	DRS	S	CONC
22	95-007932-A3	95D255A	ICP1	09/12/95	10:13	DRS	S	CONC
23	95-007932-A4 @2	95D255A	ICP1	09/12/95	10:19	DRS	S	CONC
24	95-007932-A4 @10	95D255A	ICP1	09/12/95	10:24	DRS	S	CONC
25	95-007932-A4 @50	95D255A	ICP1	09/12/95	10:29	DRS	S	CONC
26	Na @500 PPM	95D255A	ICP1	09/12/95	10:33	DRS	S	CONC
27	95-007932-A5 @50	95D255A	ICP1	09/12/95	10:39	DRS	S	CONC
28	95-007932-A5 @10	95D255A	ICP1	09/12/95	10:43	DRS	S	CONC
29	95-007932-A5	95D255A	ICP1	09/12/95	10:47	DRS	S	CONC
30	MCVA 950728I901	95D255A	ICP1	09/12/95	10:51	DRS	Q	CONC
31	SST-ICS-0 950908I100	95D255A	ICP1	09/12/95	10:57	DRS	S	CONC
32	STD1-Blank 108444	95D255A	ICP1	09/12/95	11:01	DRS	S	CONC
33	95-007932-A1 @50	95D255A	ICP1	09/12/95	11:03	DRS	S	CONC
34	95-007932-A1 @10	95D255A	ICP1	09/12/95	11:07	DRS	S	CONC
35	95-007932-A1 @5	95D255A	ICP1	09/12/95	11:14	DRS	S	CONC
36	95-007932-A2 @50	95D255A	ICP1	09/12/95	11:18	DRS	S	CONC
37	95-007932-A2 @10	95D255A	ICP1	09/12/95	11:22	DRS	S	CONC
38	95-007932-A2 @5 DKS 9/11	95D255A	ICP1	09/12/95	11:26	DRS	S	CONC
39	95-007935-A1 @50	95D255A	ICP1	09/12/95	11:30	DRS	S	CONC
40	95-007935-A1 @10	95D255A	ICP1	09/12/95	11:34	DRS	S	CONC
41	95-007935-A1 @5	95D255A	ICP1	09/12/95	11:38	DRS	S	CONC
42	STD9 FOR W @50 PPM	95D255A	ICP1	09/12/95	11:43	DRS	S	CONC
43	MCVA 950728I901	95D255A	ICP1	09/12/95	11:47	DRS	Q	CONC
44	SST-ICS-0 950908I100	95D255A	ICP1	09/12/95	11:51	DRS	S	CONC
45	STD1-Blank 108444	95D255A	ICP1	09/12/95	11:55	DRS	S	CONC
46	95-007935-A2 @50	95D255A	ICP1	09/12/95	11:57	DRS	S	CONC
47	95-007935-A2 @10	95D255A	ICP1	09/12/95	12:01	DRS	S	CONC
48	95-007935-A2 @5	95D255A	ICP1	09/12/95	12:05	DRS	S	CONC
49	MCVA 950728I901	95D255A	ICP1	09/12/95	12:09	DRS	Q	CONC
50	SST-ICS-0 950908I100	95D255A	ICP1	09/12/95	12:13	DRS	S	CONC
51	MCVB 950911H901	95D255A	ICP1	09/12/95	12:17	DRS	Q	CONC
52	SRM-1643c 103668	95D255A	ICP1	09/12/95	12:21	DRS	Q	CONC
53	CCV1 950713H901	95D255A	ICP1	09/12/95	12:25	DRS	S	CONC

Analysis Report Summary Tue 09-12-95 06:47:10 PM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	STD1-Blank 108444	95D255A	ICP1	09/12/95	12:29	DRS	S	CONC
55	STD1-Blank	95D255A	ICP1	09/12/95	13:51		X	IR
56	STD2	95D255A	ICP1	09/12/95	13:53		X	IR
57	STD3	95D255A	ICP1	09/12/95	13:57		X	IR
58	STD4	95D255A	ICP1	09/12/95	14:01		X	IR
59	STD5	95D255A	ICP1	09/12/95	14:05		X	IR
60	STD6	95D255A	ICP1	09/12/95	14:08		X	IR
61	STD7	95D255A	ICP1	09/12/95	14:12		X	IR
62	STD8	95D255A	ICP1	09/12/95	14:16		X	IR
63	STD9	95D255A	ICP1	09/12/95	14:20		X	IR
64	STD1-Blank 108444	95D255A	ICP1	09/12/95	14:35	DRS	S	CONC
65	2% HNO3 DILUENT PUMP	95D255A	ICP1	09/12/95	14:37	DRS	S	CONC
66	"PIPETED" STD1-BLK	95D255A	ICP1	09/12/95	14:40	DRS	S	CONC
67	MCVA @5X	95D255A	ICP1	09/12/95	14:43	DRS	S	CONC
68	STD1-Blank 108444	95D255A	ICP1	09/12/95	14:46	DRS	S	CONC
69	MCVA 950728H901	95D255A	ICP1	09/12/95	14:49	DRS	Q	CONC
70	MCVA 950728H901	95D255A	ICP1	09/12/95	14:58	DRS	Q	CONC
71	MCVB 950911H901	95D255A	ICP1	09/12/95	15:02	DRS	Q	CONC
72	SRM-1643c 103668	95D255A	ICP1	09/12/95	15:06	DRS	Q	CONC
73	CCV1 950713H901	95D255A	ICP1	09/12/95	15:10	DRS	S	CONC
74	SST-ICS-1 9509~~11~~I101	95D255A	ICP1	09/12/95	15:18	DRS	S	CONC
75	STD1-Blank 108444	95D255A	ICP1	09/12/95	15:24	DRS	S	CONC
76	95-007941-N3 @5	95D255A	ICP1	09/12/95	15:26	DRS	S	CONC
77	95-007941-N3 @2	95D255A	ICP1	09/12/95	15:30	DRS	S	CONC
78	95-007941-N1 @10	95D255A	ICP1	09/12/95	15:35	DRS	S	CONC
79	95-007941-N1 @2	95D255A	ICP1	09/12/95	15:39	DRS	S	CONC
80	95-007941-N1 ~~[illegible]~~ PS@5	95D255A	ICP1	09/12/95	15:45	DRS	S	CONC
81	95-007941-N2 @10	95D255A	ICP1	09/12/95	15:51	DRS	S	CONC
82	95-007941-N2 @2	95D255A	ICP1	09/12/95	15:59	DRS	S	CONC
83	95-007943-N1 @10	95D255A	ICP1	09/12/95	16:04	DRS	S	CONC
84	95-007943-N1 @2	95D255A	ICP1	09/12/95	16:10	DRS	S	CONC
85	MCVA 950728I901	95D255A	ICP1	09/12/95	16:15	DRS	Q	CONC
86	MCVA 950728I901	95D255A	ICP1	09/12/95	16:19	DRS	Q	CONC
87	MCVA 950728I901	95D255A	ICP1	09/12/95	16:39	DRS	Q	CONC
88	SST-ICS-1 9509~~11~~I101	95D255A	ICP1	09/12/95	16:44	DRS	S	CONC
89	STD1-Blank 108444	95D255A	ICP1	09/12/95	16:48	DRS	S	CONC
90	SST-ICS-1 9509~~11~~I101	95D255A	ICP1	09/12/95	16:53	DRS	S	CONC
91	STD1-Blank 108444	95D255A	ICP1	09/12/95	17:05	DRS	S	CONC
92	95-007944-N1 @10	95D255A	ICP1	09/12/95	17:07	DRS	S	CONC
93	95-007944-N1 @2	95D255A	ICP1	09/12/95	17:10	DRS	S	CONC
94	95-007945-N1 @10	95D255A	ICP1	09/12/95	17:15	DRS	S	CONC
95	95-007945-N1 @2	95D255A	ICP1	09/12/95	17:19	DRS	S	CONC
96	95-007945-N1-PS @5	95D255A	ICP1	09/12/95	17:22	DRS	S	CONC
97	95-007946-N1 @10	95D255A	ICP1	09/12/95	17:26	DRS	S	CONC
98	95-007946-N1 @2	95D255A	ICP1	09/12/95	17:30	DRS	S	CONC
99	95-007947-N1 @10	95D255A	ICP1	09/12/95	17:34	DRS	S	CONC
100	95-007947-N1 @2	95D255A	ICP1	09/12/95	17:39	DRS	S	CONC
101	MCVA 950728I901	95D255A	ICP1	09/12/95	17:44	DRS	Q	CONC
102	SST-ICS-1 95-9~~11~~I101	95D255A	ICP1	09/12/95	17:52	DRS	S	CONC
103	STD1-Blank 108444	95D255A	ICP1	09/12/95	17:56	DRS	S	CONC
104	95-007948-N1 @10	95D255A	ICP1	09/12/95	17:58	DRS	S	CONC
105	95-007948-N1 @2	95D255A	ICP1	09/12/95	18:02	DRS	S	CONC
106	SRM-2709-N @10X DIL	95D255A	ICP1	09/12/95	18:08	DRS	S	CONC
107	SRM-2709-N @2	95D255A	ICP1	09/12/95	18:12	DRS	S	CONC

Analysis Report Summary Tue 09-12-95 06:47:10 PM page 3

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	MCVA 950728I901	95D255A	ICP1	09/12/95	18:17	DRS	Q	CONC
109	SST-ICS-1 95-~~911~~I101	95D255A	ICP1	09/12/95	18:20	DRS	S	CONC
110	MCVB 950911H901	95D255A	ICP1	09/12/95	18:25	DRS	Q	CONC
111	SRM-1643c 103668	95D255A	ICP1	09/12/95	18:29	DRS	Q	CONC
112	CCV1 950713H901	95D255A	ICP1	09/12/95	18:33	DRS	S	CONC
113	STD1-Blank 108444	95D255A	ICP1	09/12/95	18:36	DRS	S	CONC

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 4

#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108444	6567.67	2085.33	1662.67	1068.67	305.667	172
2	SPC-BLK 108444	.0021	-.0050	-.0098	-.0006	.0003	-.0000
3	SPC-STD 950831I101	6729.33	2133.33	1730.33	1117	310.667	173.333
4	SPC-STD 950831I101	.0065	-.0017	.0137	.0038	.0009	.0000
5	STD1-Blank	.65596	.20796	.1659	.10539	.0304	.0172
6	STD2					8.38829	
7	STD3		75.8081		51.7494		
8	STD4						
9	STD5			27.9472			
10	STD6						
11	STD7						1.92826
12	STD8	30.8951					
13	STD9						
14	STD1-Blank 108444	-.0007	.0033	.0075	.0080	.0002	.0000
15	MCVA 950728I901	.4884	24.98	2.595	1.996	.5074	.0947
16	MCVB 950911H901	.0012	-.1766	.0196	.0076	.0008	.0003
17	SRM-1643c 103668	.0023	.1120	Q.0914	Q.1155	.0482	.0218
18	CCV1 950713H901	-.0006	1.913	2.013	1.951	.9987	.9769
19	SST-ICS-0 950908I100	-.0074	97.39	.1145	.0038	.0004	.0007
20	STD1-Blank 108444	.0006	.0062	.0105	.0036	.0002	.0000
21	95-007932-A3 @2	-.0003	.0717	.0139	.8091	.0014	-.0000
22	95-007932-A3	-.0012	.1267	.0087	1.584	.0019	-.0001
23	95-007932-A4 @2	k.0122	S5289.	k-47.70	k1.747	k.0036	k.0114
24	95-007932-A4 @10	.0027	284.9	.2380	.3767	.0013	.0025
25	95-007932-A4 @50	-.0028	58.98	.0374	.0792	-.0001	.0004
26	Na @500 PPM	-.0009	.0461	.0061	.0868	.0001	-.0000
27	95-007932-A5 @50	-.0018	.1782	.0015	.0415	-.0000	-.0000
28	95-007932-A5 @10	-.0017	.9133	.0039	.2045	.0000	-.0000
29	95-007932-A5	-.0101	8.746	.0029	1.927	.0005	-.0001
30	MCVA 950728I901	.4911	25.18	2.630	2.004	.5111	.0951
31	SST-ICS-0 950908I100	-.0082	97.86	.1193	-.0011	.0003	.0007
32	STD1-Blank 108444	-.0016	.0064	.0052	.0019	.0000	-.0000
33	95-007932-A1 @50	-.0020	57.82	.0432	.0692	-.0001	.0004
34	95-007932-A1 @10	.0021	283.6	.2428	.3431	.0010	.0024
35	95-007932-A1 @5	.0064	549.7	.4831	.6464	.0017	.0047
36	95-007932-A2 @50	.0002	55.47	.0579	.0650	.0003	.0004
37	95-007932-A2 @10	.0036	279.4	.2598	.3233	.0012	.0024
38	95-007932-A5 @5	.0066	542.4	.5074	.6228	.0020	.0047
39	95-007935-A1 @50	-.0013	60.48	.0629	.0744	.0005	.0005
40	95-007935-A1 @10	-.0051	299.5	.2712	.3552	.0014	.0026
41	95-007935-A1 @5	-.0146	603.9	.4878	.7089	.0021	.0051
42	STD9 FOR W @50 PPM	-.0576	1.231	.1083	4.591	.0063	.0001
43	MCVA 950728I901	.4855	24.85	2.594	1.996	.5055	.0939
44	SST-ICS-0 950908I100	-.0111	99.60	.1148	.0032	.0001	.0006
45	STD1-Blank 108444	-.0016	.0071	.0077	.0052	.0000	-.0000
46	95-007935-A2 @50	-.0032	61.65	.0434	.0776	.0004	.0004
47	95-007935-A2 @10	-.0053	299.4	.2597	.3566	.0025	.0026
48	95-007935-A2 @5	-.0140	600.9	.5046	.7123	.0033	.0051
49	MCVA 950728I901	.4884	24.92	2.615	2.005	.5083	.0946
50	SST-ICS-0 950908I100	-.0082	96.98	.1334	.0019	.0007	.0007
51	MCVB 950911H901	.0018	-.1534	.0303	.0022	.0005	.0002
52	SRM-1643c 103668	Q-.0015	Q.1056	Q.0931	Q.1163	.0492	.0221
53	CCV1 950713H901	-.0005	1.922	2.055	1.966	1.004	.9774

Analysis Report Averages Tue 09-12-95 06:47:10 PM page

#	Sample Name	Ag	Al	As	B	Ba	Be
54	STD1-Blank 108444	-.0013	.0019	.0094	.0026	.0001	.0000
55	STD1-Blank	.6334	.20329	.16189	.10183	.02976	.01666
56	STD2					8.20553	
57	STD3		75.2325		51.1415		
58	STD4						
59	STD5			27.5388			
60	STD6						
61	STD7						1.87776
62	STD8	30.5297					
63	STD9						
64	STD1-Blank 108444	-.0008	-.0033	-.0001	.0045	-.0001	.0000
65	2% HNO3 DILUENT PUMP	.0018	.0054	.0061	.0075	.0003	.0001
66	"PIPETED" STD1-BLK	.0015	.0052	.0070	.0054	.0004	.0000
67	MCVA @5X	.0982	5.015	.5176	.4049	.1032	.0190
68	STD1-Blank 108444	-.0026	-.0100	-.0081	.0030	-.0004	.0000
69	MCVA 950728H901	.4875	25.04	2.563	1.983	.5141	.0935
70	MCVA 950728H901	.4846	24.53	2.548	1.969	.5078	.0927
71	MCVB 950911H901	-.0010	-.1934	-.0100	.0096	-.0001	.0002
72	SRM-1643c 103668	Q-.0020	Q.0921	Q.0723	Q.1167	.0495	.0217
73	CCV1 950713H901	-.0006	1.885	1.988	1.923	1.007	.9548
74	SST-ICS-1 950911I101	-.0054	89.85	.1300	.0026	.0006	.0008
75	STD1-Blank 108444	.0004	-.0041	-.0048	-.0005	-.0001	.0000
76	95-007941-N3 @5	-.0077	.0365	.0058	.1309	.0024	.0002
77	95-007941-N3 @2	-.0166	.0900	.0215	.3049	.0061	.0004
78	95-007941-N1 @10	.0052	15.30	.0244	.1030	.0028	.0001
79	95-007941-N1 @2	.0118	69.08	.1105	.4589	.0102	.0004
80	95-007941-N1 SPK@2.5	.0168	34.23	.0884	.1783	.0065	.0007
81	95-007941-N2 @10	.0102	13.75	.0373	.1086	.0043	.0003
82	95-007941-N2 @2	.0113	64.05	.1212	.4910	.0109	.0005
83	95-007943-N1 @10	.0127	14.48	.0398	.0394	.0055	.0004
84	95-007943-N1 @2	.0089	68.68	.1264	.1656	.0151	.0007
85	MCVA 950728I901	.4630	23.03	2.448	1.835	.4719	Q.0879
86	MCVA 950728I901	.4901	25.25	2.566	1.991	.5209	.0940
87	MCVA 950728I901	.4842	24.07	2.535	1.937	.5086	.0918
88	SST-ICS-1 950911I101	-.0030	89.11	.1833	.0154	.0014	.0007
89	STD1-Blank 108444	.0025	.0152	-.0008	.0082	.0006	.0001
90	SST-ICS-1 950911I101	-.0060	91.82	.1641	.0074	.0010	.0007
91	STD1-Blank 108444	.0004	.0306	.0007	.0247	-.0000	.0000
92	95-007944-N1 @10	.0025	3.648	.0219	.1076	.0027	.0001
93	95-007944-N1 @2	.0059	17.07	.0525	.4215	.0111	.0003
94	95-007945-N1 @10	.0017	1.717	.0200	.0493	.0333	.0001
95	95-007945-N1 @2	.0024	8.033	.0646	.2099	.1477	.0005
96	95-007945-N1-PS @5	.0032	12.31	.0524	.0890	.0638	.0005
97	95-007946-N1 @10	.0008	1.280	.0273	.0547	.0668	.0002
98	95-007946-N1 @2	-.0026	6.027	.0579	.2331	.2993	.0007
99	95-007947-N1 @10	.0055	.8162	.0251	.0302	.0124	.0002
100	95-007947-N1 @2	.0057	3.886	.0598	.1331	.0519	.0005
101	MCVA 950728I901	.4936	24.55	2.627	1.966	.5223	.0953
102	SST-ICS-1 95-911I101	-.0060	91.24	.1788	.0002	.0007	.0007
103	STD1-Blank 108444	.0026	.0102	.0030	.0002	.0002	.0000
104	95-007948-N1 @10	.0048	.9648	.0325	.0485	.0147	.0001
105	95-007948-N1 @2	.0076	4.496	.0634	.2188	.0631	.0005
106	SRM-2709-N @10X DIL	.0022	10.53	.0495	.0362	.1388	.0011
107	SRM-2709-N @2	-.0168	50.30	.1433	.1672	.6347	.0046

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 6

#	Sample Name	Ag	Al	As	B	Ba	Be
108	MCVA 950728I901	.4751	23.91	2.523	1.915	.5116	.0920
109	SST-ICS-1 95-911I101	-.0050	89.95	.1776	-.0003	.0010	.0007
110	MCVB 950911H901	.0014	-.1825	-.0002	-.0041	.0005	.0003
111	SRM-1643c 103668	Q-.0014	Q.0963	Q.0879	Q.1081	.0510	.0221
112	CCV1 950713H901	.0001	1.881	2.012	1.900	1.026	.9633
113	STD1-Blank 108444	-.0009	-.0002	.0028	-.0038	.0000	.0001

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SPC-BLK 108444	1438	1255.67	444	6274.33	1420.67	470.333
2	SPC-BLK 108444	.0030	.0012	.0004	.0171	.0004	-.0004
3	SPC-STD 950831I101	1711.33	1253.67	453.333	6344.33	1445.67	486.333
4	SPC-STD 950831I101	-.0022	-.0003	.0011	.0293	.0030	.0020
5	STD1-Blank	.14199	.1253	.0452	.62663	.14136	.04713
6	STD2					18.078	13.1584
7	STD3		81.0996	10.1952			
8	STD4						
9	STD5				25.7538		
10	STD6						
11	STD7						
12	STD8	27.7597					
13	STD9						
14	STD1-Blank 108444	.0030	.0006	-.0011	-.0006	.0005	.0018
15	MCVA 950728I901	24.71	25.09	.5044	-.0270	1.027	1.027
16	MCVB 950911H901	.0163	.0256	-.0003	1.947	.0040	.0016
17	SRM-1643c 103668	.0293	Q35.05	Q.0104	.0096	Q.0258	Q.0204
18	CCV1 950713H901	1.936	1.943	.9893	.0022	1.036	.5165
19	SST-ICS-0 950908I100	.0562	.0752	.0087	-.1271	.0062	.0357
20	STD1-Blank 108444	.0066	.0024	-.0009	.0029	.0018	-.0001
21	95-007932-A3 @2	.0003	.0397	-.0002	-.0038	.0014	.0001
22	95-007932-A3	-.0012	.0126	-.0013	-.0106	.0005	.0016
23	95-007932-A4 @2	k.1827	k2.359	k.5727	k.0279	k.3063	k10.79
24	95-007932-A4 @10	.0408	.5924	.0238	.0156	.0690	2.376
25	95-007932-A4 @50	.0062	.0909	.0047	-.0202	.0130	.4970
26	Na @500 PPM	.0003	.3083	-.0008	.0262	.0004	.0008
27	95-007932-A5 @50	.0002	.0555	.0039	.0089	.0003	.0280
28	95-007932-A5 @10	.0073	.4436	.0211	-.0019	.0002	.1393
29	95-007932-A5	-.0180	4.236	.2066	-.0630	-.0066	1.314
30	MCVA 950728I901	24.82	25.22	.5009	-.0354	1.034	1.034
31	SST-ICS-0 950908I100	.0578	.0766	.0069	-.1322	.0048	.0352
32	STD1-Blank 108444	.0000	.0007	-.0012	-.0079	.0001	-.0003
33	95-007932-A1 @50	.0015	-.0280	-.0010	-.0107	.0127	.4563
34	95-007932-A1 @10	.0415	.0035	.0007	.0072	.0703	2.238
35	95-007932-A1 @5	.0759	.0360	.0014	.0184	.1326	4.290
36	95-007932-A2 @50	.0090	-.0231	-.0001	.0008	.0151	.4438
37	95-007932-A2 @10	.0439	.0039	-.0007	.0142	.0711	2.218
38	95-007932-A5 @5	.0776	.0430	.0021	.0246	.1329	4.243
39	95-007935-A1 @50	.0118	-.0185	-.0013	.0053	.0148	.4857
40	95-007935-A1 @10	.0430	.0255	-.0021	.0215	.0705	2.351
41	95-007935-A1 @5	.0773	.0852	-.0001	.0162	.1339	4.633
42	STD9 FOR W @50 PPM	.0033	.0313	-.0008	-.0105	.0058	.0009
43	MCVA 950728I901	24.60	24.96	.4939	-.0349	1.024	1.016
44	SST-ICS-0 950908I100	.0582	.0752	.0071	-.1639	.0030	.0370

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 7

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
45	STD1-Blank 108444	.0003	.0016	-.0005	-.0104	.0006	-.0001
46	95-007935-A2 @50	.0123	-.0240	-.0006	-.0074	.0143	.4801
47	95-007935-A2 @10	.0353	.0224	.0003	.0193	.0709	2.328
48	95-007935-A2 @5	.0753	.0724	.0000	.0217	.1341	4.608
49	MCVA 950728I901	24.66	25.19	.4945	-.0325	1.035	1.031
50	SST-ICS-0 950908I100	.0642	.0788	.0066	-.1391	.0058	.0367
51	MCVB 950911H901	-.0029	.0230	.0009	1.979	.0036	.0012
52	SRM-1643c 103668	.0128	35.72	.0112	-.0142	Q.0252	Q.0220
53	CCV1 950713H901	1.943	1.958	.9877	-.0034	1.046	.5169
54	STD1-Blank 108444	.0091	.0032	-.0019	-.0089	.0011	.0008
55	STD1-Blank	.13779	.12286	.0438	.60696	.13746	.04596
56	STD2					17.6271	12.6761
57	STD3		79.4342	9.97683			
58	STD4						
59	STD5				25.3919		
60	STD6						
61	STD7						
62	STD8	27.3371					
63	STD9						
64	STD1-Blank 108444	-.0008	-.0005	-.0001	-.0018	.0000	-.0013
65	2% HNO3 DILUENT PUMP	.0069	-.0360	.0007	.0125	.0015	.0006
66	"PIPETED" STD1-BLK	.0042	.0102	-.0012	.0098	.0019	-.0006
67	MCVA @5X	4.985	5.017	.0983	-.0063	.2098	.2084
68	STD1-Blank 108444	-.0042	-.0028	.0001	-.0144	-.0014	-.0012
69	MCVA 950728H901	24.53	24.80	.4914	-.0420	1.026	1.028
70	MCVA 950728H901	24.35	24.67	.4973	-.0269	1.026	1.026
71	MCVB 950911H901	-.0045	.0116	.0004	1.968	.0008	.0013
72	SRM-1643c 103668	.0061	Q34.85	Q.0135	-.0142	Q.0202	.0186
73	CCV1 950713H901	1.899	1.903	.9803	.0031	1.034	.5141
74	SST-ICS-1 950911I101	.0601	.0433	.0103	-.0917	.0078	.0379
75	STD1-Blank 108444	.0036	-.0032	.0011	.0220	-.0004	-.0019
76	95-007941-N3 @5	.0100	.8145	.0014	-.1310	.0032	.0096
77	95-007941-N3 @2	.0353	1.950	.0039	-.3126	.0087	.0257
78	95-007941-N1 @10	.0081	.4168	.0013	.0375	.0045	.0195
79	95-007941-N1 @2	.0397	2.031	.0049	.0983	.0132	.0842
80	95-007941-N1 SPK@2.5	.0493	4.902	.2187	.1187	.0159	1.293
81	95-007941-N2 @10	.0343	.3780	.0027	.0654	.0098	.0199
82	95-007941-N2 @2	.0524	1.881	.0046	.0468	.0163	.0801
83	95-007943-N1 @10	.0374	.4089	.0043	.0797	.0131	.0440
84	95-007943-N1 @2	.0679	1.984	.0064	-.0100	.0217	.1985
85	MCVA 950728I901	23.06	23.72	.4755	.0153	.9869	.9846
86	MCVA 950728I901	24.72	24.81	.4996	-.0436	1.034	1.036
87	MCVA 950728I901	24.15	24.29	.4877	-.0106	1.012	1.007
88	SST-ICS-1 950911I101	.0705	.0546	.0111	-.1090	.0113	.0390
89	STD1-Blank 108444	.0064	.0041	.0013	.0170	.0022	-.0008
90	SST-ICS-1 950911I101	.0629	.0486	.0102	-.1264	.0102	.0410
91	STD1-Blank 108444	-.0036	.0164	.0014	.0015	.0009	-.0005
92	95-007944-N1 @10	.0090	.4451	.0018	.0100	.0043	.0213
93	95-007944-N1 @2	.0385	2.162	.0035	.0185	.0143	.1024
94	95-007945-N1 @10	.1482	1.753	.0018	.0032	.0056	.0689
95	95-007945-N1 @2	.7154	8.318	.0052	-.0301	.0212	.3214
96	95-007945-N1-PS @5	.3068	8.070	.2404	-.0005	.0127	1.572
97	95-007946-N1 @10	.3293	1.753	.0021	-.0169	.0067	.0559
98	95-007946-N1 @2	1.520	8.324	.0060	-.0898	.0204	.2578

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 8

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
99	95-007947-N1 @10	.1128	2.245	.0022	.0294	.0076	.0115
100	95-007947-N1 @2	.4879	10.79	.0049	.0229	.0175	.0509
101	MCVA 950728I901	24.84	24.91	.4946	-.0325	1.043	1.039
102	SST-ICS-1 95-911I101	.0656	.0467	.0091	-.1297	.0106	.0404
103	STD1-Blank 108444	-.0006	.0034	.0022	.0101	.0025	-.0010
104	95-007948-N1 @10	.1277	1.329	.0027	.0263	.0075	.0140
105	95-007948-N1 @2	.5919	6.306	.0069	.0600	.0202	.0601
106	SRM-2709-N @10X DIL	.0288	3.228	.0032	-.0228	.0116	.0369
107	SRM-2709-N @2	.0719	15.22	.0069	-.3170	.0259	.1595
108	MCVA 950728I901	23.96	23.95	.4708	-.0429	1.008	1.006
109	SST-ICS-1 95-911I101	.0596	.0481	.0099	-.1214	.0111	.0417
110	MCVB 950911H901	-.0065	.0113	.0009	2.003	.0038	.0012
111	SRM-1643c 103668	.0045	Q35.00	Q.0100	-.0180	.0227	Q.0197
112	CCV1 950713H901	1.928	1.899	.9696	.0012	1.037	.5174
113	STD1-Blank 108444	-.0022	-.0049	.0003	-.0034	.0002	-.0018

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108444	453.667	1943.33	337	561.667	2165.33	988.667
2	SPC-BLK 108444	-.0028	.0010	.0004	-.0006	.6901	.0014
3	SPC-STD 950831I101	23836	2199	341	624.667	2192.67	1004
4	SPC-STD 950831I101	10.27	-.0004	.0009	.0001	1.139	.0058
5	STD1-Blank	.04666	.19363	.03363	.05623	.21609	.09856
6	STD2	4.68363			76.8637		
7	STD3					3.1728	
8	STD4		50.5839	11.6515			6.39973
9	STD5						
10	STD6						
11	STD7						
12	STD8						
13	STD9						
14	STD1-Blank 108444	.0003	-.0009	.0000	-.0010	-.1184	-.0004
15	MCVA 950728I901	.9978	-.0004	.0021	20.44	25.95	.0039
16	MCVB 950911H901	.0030	1.929	1.920	.0063	.2818	1.925
17	SRM-1643c 103668	.0209	-.0001	.0013	Q.1190	2.227	.0072
18	CCV1 950713H901	2.014	-.0008	.0005	2.016	4.814	.0006
19	SST-ICS-0 950908I100	-.0069	-.0039	.0006	19.91	.0000	.0045
20	STD1-Blank 108444	-.0008	.0003	.0003	.0010	-.0169	.0012
21	95-007932-A3 @2	.0026	-.0007	.0000	.0130	-.2086	-.0009
22	95-007932-A3	-.0020	-.0026	-.0006	.0194	-.6821	-.0029
23	95-007932-A4 @2	k.1440	k.0019	k.0027	k4.277	107.0	k.0176
24	95-007932-A4 @10	.0266	.0006	.0007	.9499	23.31	.0048
25	95-007932-A4 @50	-.0003	-.0029	-.0006	.1996	4.425	-.0042
26	Na @500 PPM	-.0046	-.0006	-.0000	.0029	-.2931	-.0004
27	95-007932-A5 @50	-.0055	-.0012	-.0002	.0042	-.0113	-.0014
28	95-007932-A5 @10	-.0051	-.0022	-.0003	.0061	1.488	-.0019
29	95-007932-A5	-.0081	-.0139	-.0033	.0195	16.98	-.0151
30	MCVA 950728I901	.9968	-.0001	.0020	20.57	26.72	.0044
31	SST-ICS-0 950908I100	-.0182	-.0038	.0005	19.95	-.0789	.0039
32	STD1-Blank 108444	-.0039	-.0004	-.0001	.0015	-.3269	-.0009
33	95-007932-A1 @50	.0010	-.0014	-.0003	.1971	4.346	-.0020
34	95-007932-A1 @10	.0282	.0010	.0009	.9478	21.25	.0044
35	95-007932-A1 @5	.0573	.0030	.0016	1.811	40.74	.0099

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 9

#	Sample Name	Cu	Dy	Eu	Fe	K	La
36	95-007932-A2 @50	.0025	.0009	.0004	.1922	4.340	.0019
37	95-007932-A2 @10	.0281	.0024	.0013	.9398	20.91	.0069
38	95-007932-A5 @5	.0580	.0035	.0019	1.797	39.51	.0109
39	95-007935-A1 @50	.0125	.0011	.0005	.1619	4.459	.0027
40	95-007935-A1 @10	.0772	.0036	.0015	.7766	22.24	.0088
41	95-007935-A1 @5	.1572	.0024	.0017	1.520	43.40	.0094
42	STD9 FOR W @50 PPM	-.0001	.0008	.0003	.0337	-.3044	-.0004
43	MCVA 950728I901	.9870	-.0002	.0019	20.34	25.95	.0042
44	SST-ICS-0 950908I100	-.0166	-.0056	-.0002	20.18	-.4848	-.0003
45	STD1-Blank 108444	-.0018	-.0006	-.0002	.0004	-.5355	-.0015
46	95-007935-A2 @50	.0135	-.0004	.0001	.1750	4.538	.0003
47	95-007935-A2 @10	.0794	.0033	.0014	.8304	22.49	.0089
48	95-007935-A2 @5	.1574	.0032	.0018	1.628	43.37	.0109
49	MCVA 950728I901	.9896	.0004	.0021	20.51	25.39	.0052
50	SST-ICS-0 950908I100	-.0154	-.0021	.0008	19.89	.0000	.0049
51	MCVB 950911H901	-.0109	1.958	1.947	.0071	-.0958	1.959
52	SRM-1643c 103668	Q.0150	-.0019	.0004	Q.1190	Q1.640	.0030
53	CCV1 950713H901	2.012	.0000	.0004	2.031	4.673	.0011
54	STD1-Blank 108444	-.0008	-.0005	-.0001	-.0014	-.4904	-.0007
55	STD1-Blank	.04476	.18886	.03283	.05423	.2097	.09643
56	STD2	4.54556			74.6954		
57	STD3					3.00316	
58	STD4		49.6677	11.4511			6.31243
59	STD5						
60	STD6						
61	STD7						
62	STD8						
63	STD9						
64	STD1-Blank 108444	.0046	-.0010	-.0002	-.0007	-.1909	-.0012
65	2% HNO3 DILUENT PUMP	.0049	.0012	.0005	.0059	.3878	.0028
66	"PIPETED" STD1-BLK	.0063	.0014	.0005	.0013	.2923	.0019
67	MCVA @5X	.2057	-.0005	.0004	4.177	5.495	.0004
68	STD1-Blank 108444	.0019	-.0024	-.0006	-.0013	-.5191	-.0043
69	MCVA 950728H901	1.014	-.0007	.0018	20.47	Q27.79	.0033
70	MCVA 950728H901	1.005	.0010	.0023	20.35	26.21	.0061
71	MCVB 950911H901	-.0051	2.004	1.991	.0033	-.2557	2.004
72	SRM-1643c 103668	Q.0156	-.0032	.0001	Q.1168	Q1.953	.0010
73	CCV1 950713H901	2.048	-.0003	.0002	2.006	5.295	-.0009
74	SST-ICS-1 950911I101	-.0143	.0007	.0019	17.89	.4591	.0098
75	STD1-Blank 108444	-.0031	-.0000	.0002	-.0012	.0232	-.0002
76	95-007941-N3 @5	.0022	.0049	.0018	.0640	.5986	.0059
77	95-007941-N3 @2	.0119	.0126	.0047	.1427	1.761	.0153
78	95-007941-N1 @10	.0110	.0050	.0016	.1575	1.075	.0085
79	95-007941-N1 @2	.0596	.0122	.0039	.6802	2.976	.0241
80	95-007941-N1 SPK@2.5	.0248	.0144	.0050	.2788	18.78	.0305
81	95-007941-N2 @10	.0065	.0118	.0036	.1542	2.551	.0203
82	95-007941-N2 @2	.0203	.0175	.0058	.6675	3.894	.0303
83	95-007943-N1 @10	.0102	.0158	.0047	.1416	3.487	.0265
84	95-007943-N1 @2	.0226	.0206	.0066	.6137	4.981	.0339
85	MCVA 950728I901	.9354	.0069	.0039	19.35	24.89	.0154
86	MCVA 950728I901	1.029	-.0017	.0013	20.59	Q29.12	.0024
87	MCVA 950728I901	1.009	.0035	.0032	20.12	27.26	.0111
88	SST-ICS-1 950911I101	-.0072	.0040	.0026	18.16	1.112	.0136
89	STD1-Blank 108444	.0024	.0033	.0008	.0010	.5722	.0046

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 10

#	Sample Name	Cu	Dy	Eu	Fe	K	La
90	SST-ICS-1 9509111101	-.0136	.0017	.0021	18.66	.7234	.0110
91	STD1-Blank 108444	.0009	.0005	.0001	-.0008	.0818	.0005
92	95-007944-N1 @10	.0050	.0037	.0012	.1841	.8948	.0070
93	95-007944-N1 @2	.0212	.0104	.0035	.8280	2.575	.0200
94	95-007945-N1 @10	.0042	.0031	.0013	2.292	.7366	.0110
95	95-007945-N1 @2	.0188	.0083	.0041	10.46	2.504	.0415
96	95-007945-N1-PS @5	.0012	.0036	.0024	4.413	18.50	.0230
97	95-007946-N1 @10	.0042	.0039	.0016	3.203	.9767	.0096
98	95-007946-N1 @2	.0169	.0072	.0046	14.65	2.641	.0307
99	95-007947-N1 @10	.0101	.0066	.0024	3.889	1.479	.0152
100	95-007947-N1 @2	.0345	.0051	.0041	18.20	2.379	.0300
101	MCVA 9507281901	1.027	.0016	.0023	20.78	24.19	.0058
102	SST-ICS-1 95-911I101	-.0139	.0012	.0018	18.55	.5456	.0090
103	STD1-Blank 108444	.0027	.0023	.0007	.0019	.4365	.0026
104	95-007948-N1 @10	.0145	.0049	.0019	5.075	1.211	.0134
105	95-007948-N1 @2	.0575	.0060	.0047	23.11	2.630	.0357
106	SRM-2709-N @10X DIL	.0139	.0101	.0033	5.352	4.158	.0182
107	SRM-2709-N @2	.0478	.0174	.0077	24.52	13.99	.0378
108	MCVA 9507281901	1.004	-.0012	.0015	20.09	24.85	.0040
109	SST-ICS-1 95-911I101	-.0104	.0025	.0021	18.27	.7693	.0120
110	MCVB 950911H901	-.0067	2.014	1.995	.0059	.2728	1.991
111	SRM-1643c 103668	Q.0192	-.0023	.0004	Q.1196	Q1.888	.0042
112	CCV1 950713H901	2.073	.0002	.0003	2.017	5.205	.0010
113	STD1-Blank 108444	.0004	.0001	-.0001	-.0008	-.0764	-.0002

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
1	SPC-BLK 108444	416	2373.67	197	804	409	3669.67
2	SPC-BLK 108444	.0008	.0047	-.0001	-.0016	-.0129	.0128
3	SPC-STD 950831I101	27461.3	2515.33	73988.3	847.333	420.667	3725
4	SPC-STD 950831I101	9.395	.0265	9.992	-.0006	.0357	.0278
5	STD1-Blank	.04129	.23653	.01993	.08016	.041	.36693
6	STD2		46.9557		12.4302	5.95916	
7	STD3	13.9879		7.30116			
8	STD4						17.39
9	STD5						
10	STD6						
11	STD7						
12	STD8						
13	STD9						
14	STD1-Blank 108444	.0012	-.0027	-.0005	.0005	.0084	-.0018
15	MCVA 9507281901	1.940	26.53	.5131	1.030	24.93	.0084
16	MCVB 950911H901	.0029	.0848	.0001	.0030	.0245	1.912
17	SRM-1643c 103668	Q.0129	9.716	.0344	.1052	Q11.04	.0140
18	CCV1 950713H901	1.943	2.092	1.021	1.998	8.015	-.0007
19	SST-ICS-0 950908I100	.0037	.2662	.0014	.0099	.0010	-.0231
20	STD1-Blank 108444	.0011	.0097	-.0003	.0012	.0013	.0038
21	95-007932-A3 @2	.0002	.0053	-.0001	.0010	.9940	-.0033
22	95-007932-A3	.0001	.0060	-.0003	.0009	1.918	-.0150
23	95-007932-A4 @2	k.0368	k.0546	k-.0386	k-1.459	4922.	k.0189
24	95-007932-A4 @10	.0102	.0167	.0117	.1141	1429.	.0058
25	95-007932-A4 @50	.0001	-.0116	.0019	.0218	319.8	-.0165
26	Na @500 PPM	.0016	.0042	-.0003	.0008	499.0	-.0069

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 11

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
27	95-007932-A5 @50	.0006	.0030	.0014	-.0002	.3514	-.0091
28	95-007932-A5 @10	-.0009	.0074	.0091	.0004	1.814	-.0149
29	95-007932-A5	-.0051	.0654	.0877	-.0062	17.84	-.0715
30	MCVA 950728I901	1.982	26.69	.5154	1.036	25.67	.0074
31	SST-ICS-0 950908I100	.0045	.2815	.0011	.0085	.0120	-.0264
32	STD1-Blank 108444	.0006	.0008	-.0005	.0010	-.0056	-.0060
33	95-007932-A1 @50	.0013	-.0058	.0000	.0217	322.6	-.0114
34	95-007932-A1 @10	.0086	.0065	.0022	.1126	1424.	.0057
35	95-007932-A1 @5	.0168	.0165	.0053	.2178	2570.	.0197
36	95-007932-A2 @50	.0025	.0029	.0001	.0229	300.9	.0013
37	95-007932-A2 @10	.0098	.0112	.0024	.1132	1398.	.0120
38	95-007932-A5 @5	.0174	.0212	.0053	.2179	2529.	.0223
39	95-007935-A1 @50	.0029	.0092	.0003	.0254	296.5	.0053
40	95-007935-A1 @10	.0079	.0333	.0029	.1215	1387.	.0189
41	95-007935-A1 @5	.0119	.0281	.0056	.2320	2603.	.0151
42	STD9 FOR W @50 PPM	.0011	-.0928	-.0003	.0029	3.462	-.0037
43	MCVA 950728I901	1.954	26.36	.5110	1.028	25.29	.0044
44	SST-ICS-0 950908I100	.0029	.2757	.0010	.0081	-.0137	-.0376
45	STD1-Blank 108444	.0005	-.0023	-.0006	.0013	-.0027	-.0088
46	95-007935-A2 @50	.0017	.0017	.0004	.0243	311.9	-.0052
47	95-007935-A2 @10	.0113	.0248	.0037	.1189	1392.	.0189
48	95-007935-A2 @5	.0178	.0268	.0072	.2321	2594.	.0193
49	MCVA 950728I901	1.924	26.54	.5146	1.037	24.96	.0059
50	SST-ICS-0 950908I100	.0062	.3016	.0014	.0106	.0434	-.0177
51	MCVB 950911H901	.0029	.0919	.0004	.0017	.0260	1.940
52	SRM-1643c 103668	Q.0130	Q9.920	.0349	Q.1071	11.99	-.0044
53	CCV1 950713H901	1.964	2.099	1.029	2.015	8.136	-.0035
54	STD1-Blank 108444	.0005	.0017	-.0003	.0018	-.0083	-.0086
55	STD1-Blank	.04069	.22966	.01899	.07816	.04019	.35559
56	STD2		45.5975		12.1351	5.75543	
57	STD3	13.5612		7.17123			
58	STD4						17.1234
59	STD5						
60	STD6						
61	STD7						
62	STD8						
63	STD9						
64	STD1-Blank 108444	.0004	-.0017	-.0000	-.0004	-.0276	-.0039
65	2% HNO3 DILUENT PUMP	.0016	.0116	.0004	.0005	.0144	.0124
66	"PIPETED" STD1-BLK	.0011	.0098	.0003	.0008	.0157	.0115
67	MCVA @5X	.4029	5.447	.1029	.2086	5.257	.0029
68	STD1-Blank 108444	-.0020	-.0063	-.0001	-.0009	-.0419	-.0154
69	MCVA 950728H901	2.030	26.69	.5097	1.032	26.47	.0074
70	MCVA 950728H901	1.920	26.52	.5062	1.028	25.57	.0137
71	MCVB 950911H901	.0006	.0750	.0004	-.0014	-.0072	1.963
72	SRM-1643c 103668	Q.0110	Q9.940	.0346	.1025	Q13.06	-.0089
73	CCV1 950713H901	2.025	2.087	1.006	1.997	8.750	-.0026
74	SST-ICS-1 950911I101	.0115	.2920	.0021	.0102	3639.	.0044
75	STD1-Blank 108444	.0006	-.0096	.0001	-.0016	.1079	.0002
76	95-007941-N3 @5	.0065	.0274	.0019	.0036	2171.	.0221
77	95-007941-N3 @2	.0146	.0604	.0045	.0071	4186.	.0641
78	95-007941-N1 @10	.0099	.0330	.0037	.0039	1133.	.0310
79	95-007941-N1 @2	.0342	.1232	.0158	.0161	3963.	.0824
80	95-007941-N1 SPK@2.5	.0230	.2067	.0901	.0107	1853.	.0972

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 12

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
81	95-007941-N2 @10	.0152	.0584	.0038	.0073	1015.	.0711
82	95-007941-N2 @2	.0379	.1481	.0136	.0179	3829.	.1100
83	95-007943-N1 @10	.0228	.0717	.0042	.0094	989.1	.0947
84	95-007943-N1 @2	.0674	.1440	.0143	.0214	3820.	.1222
85	MCVA 950728I901	Q1.744	25.23	.4816	.9796	23.60	.0499
86	MCVA 950728I901	2.105	26.93	.5113	1.036	Q28.27	-.0026
87	MCVA 950728I901	1.906	26.27	.4979	1.017	27.41	.0338
88	SST-ICS-1 950911I101	.0150	.3196	.0027	.0149	3676.	.0294
89	STD1-Blank 108444	.0029	.0104	.0004	.0011	.1715	.0196
90	SST-ICS-1 950911I101	.0133	.3191	.0022	.0143	3751.	.0150
91	STD1-Blank 108444	.0043	-.0023	.0009	.0018	-.1358	.0044
92	95-007944-N1 @10	.0103	.0261	.0027	.0054	1186.	.0277
93	95-007944-N1 @2	.0319	.0794	.0102	.0176	4330.	.0846
94	95-007945-N1 @10	.0049	.1727	.0343	.0055	1201.	.0248
95	95-007945-N1 @2	.0177	.7679	.1558	.0145	4407.	.0754
96	95-007945-N1-PS @5	.0113	.4445	.1601	.0086	2195.	.0445
97	95-007946-N1 @10	.0061	.1799	.0387	.0052	1140.	.0320
98	95-007946-N1 @2	.0172	.7854	.1768	.0140	4246.	.0864
99	95-007947-N1 @10	.0079	.1612	.0410	.0086	1106.	.0505
100	95-007947-N1 @2	.0166	.6692	.1912	.0201	4276.	.0908
101	MCVA 950728I901	1.826	27.03	.5117	1.046	25.64	.0169
102	SST-ICS-1 95-911I101	.0127	.3141	.0021	.0151	3733.	.0098
103	STD1-Blank 108444	.0029	.0081	.0004	.0024	.0901	.0109
104	95-007948-N1 @10	.0074	.1824	.0601	.0058	1088.	.0428
105	95-007948-N1 @2	.0173	.7562	.2743	.0154	4041.	.1095
106	SRM-2709-N @10X DIL	.0158	2.425	.0839	.0095	1111.	.0597
107	SRM-2709-N @2	.0441	10.96	.3863	.0241	4174.	.0978
108	MCVA 950728I901	1.861	26.15	.4947	1.016	26.19	.0019
109	SST-ICS-1 95-911I101	.0129	.3162	.0021	.0157	3700.	.0152
110	MCVB 950911H901	.0019	.0916	.0007	.0008	.0420	2.001
111	SRM-1643c 103668	Q.0111	Q10.09	.0349	.1052	Q12.77	-.0042
112	CCV1 950713H901	1.954	2.122	1.004	2.006	8.714	.0026
113	STD1-Blank 108444	.0005	-.0018	.0003	.0022	-.1720	-.0042

#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
1	SPC-BLK 108444	473	1306.33	13364.7	15258.7	15176.7	2605.33
2	SPC-BLK 108444	.0014	.0026	.0008	.0122	.0109	-.0085
3	SPC-STD 950831I101	483.667	1479.67	139173	15490	15400	2715.67
4	SPC-STD 950831I101	.0047	-.0011	10.41	.0547	.0306	.0208
5	STD1-Blank	.04706	.1289	1.3456	1.52303	1.5144	.25846
6	STD2	6.21449		61.3496			
7	STD3		14.4805				
8	STD4						37.2787
9	STD5						
10	STD6						
11	STD7						
12	STD8				21.5915	51.0764	
13	STD9						
14	STD1-Blank 108444	.0011	.0112	-.0047	.0094	.0026	.0031
15	MCVA 950728I901	1.051	.0473	2.619	-.0132	-.0001	2.557
16	MCVB 950911H901	.0080	.0059	.0564	2.010	1.966	.0173
17	SRM-1643c 103668	.0612	.0250	.0351	.0236	.0093	.0057

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 13

#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
18	CCV1 950713H901	2.091	4.734	2.058	.0077	-.0009	.0018
19	SST-ICS-0 950908I100	51.64	.0235	.1964	-.3452	-.0318	.0022
20	STD1-Blank 108444	.0052	.0078	.0011	.0248	.0100	.0052
21	95-007932-A3 @2	.0106	.0116	-.0011	.0053	.0021	.0129
22	95-007932-A3	.0176	.0059	.0003	-.0267	-.0169	.0099
23	95-007932-A4 @2	k13.21	k2.471	k-3.722	k.0844	k.1034	k-13.55
24	95-007932-A4 @10	2.948	3.718	1.217	.0367	.0282	-.0364
25	95-007932-A4 @50	.6190	.7417	.2315	-.0258	-.0149	-.0102
26	Na @500 PPM	-.0006	.0101	-.0065	-.0021	-.0037	.0194
27	95-007932-A5 @50	.0973	.0067	.0840	-.0122	-.0068	.0114
28	95-007932-A5 @10	.4942	.0095	.4734	-.0303	-.0139	.0043
29	95-007932-A5	4.539	-.0312	4.373	-.3072	-.1052	-.0316
30	MCVA 950728I901	1.066	.0590	2.613	-.0106	-.0027	2.567
31	SST-ICS-0 950908I100	51.94	.0319	.1879	-.3685	-.0317	.0018
32	STD1-Blank 108444	.0148	.0002	-.0048	-.0007	-.0030	.0119
33	95-007932-A1 @50	.5109	.7303	.1209	-.0071	-.0052	-.0073
34	95-007932-A1 @10	2.477	3.738	.7248	.0387	.0288	-.0411
35	95-007932-A1 @5	4.738	7.290	1.426	.0930	.0594	-.0737
36	95-007932-A2 @50	.5025	.7253	.1382	.0310	.0090	.0008
37	95-007932-A2 @10	2.451	3.695	.7296	.0630	.0402	-.0224
38	95-007932-A5 @5	4.686	7.221	1.436	.1004	.0649	-.0537
39	95-007935-A1 @50	.3959	.7246	.1585	.0297	.0168	.0109
40	95-007935-A1 @10	1.907	3.614	.7963	.0856	.0478	-.0267
41	95-007935-A1 @5	3.764	7.298	1.530	.0807	.0557	-.0898
42	STD9 FOR W @50 PPM	.0125	-.1840	-.0083	50.07	50.40	-.0314
43	MCVA 950728I901	1.060	.0618	2.586	-.0117	-.0003	2.535
44	SST-ICS-0 950908I100	52.57	.0178	.1767	-.4273	-.0498	-.0046
45	STD1-Blank 108444	.0082	.0003	-.0097	-.0028	-.0056	.0066
46	95-007935-A2 @50	.4102	.7260	.1407	.0053	.0019	-.0079
47	95-007935-A2 @10	1.946	3.655	.7774	.0830	.0450	-.0401
48	95-007935-A2 @5	3.835	7.357	1.519	.0908	.0604	-.0932
49	MCVA 950728I901	1.062	.0733	2.613	-.0066	.0035	2.564
50	SST-ICS-0 950908I100	52.01	.0264	.1944	-.3813	-.0195	.0121
51	MCVB 950911H901	.0303	-.0077	.0488	2.087	1.986	.0199
52	SRM-1643c 103668	.0673	.0063	0.0231	-.0296	-.0165	-.0043
53	CCV1 950713H901	2.119	4.755	2.072	.0104	.0026	.0091
54	STD1-Blank 108444	.0033	.0013	-.0087	.0028	-.0004	.0077
55	STD1-Blank	.04616	.12506	1.29299	1.48453	1.4744	.25233
56	STD2	6.08763		59.2873			
57	STD3		13.9936				
58	STD4						
59	STD5						36.5567
60	STD6						
61	STD7						
62	STD8						
63	STD9				21.0189	50.0579	
64	STD1-Blank 108444	-.0013	.0091	-.0034	-.0100	-.0093	.0024
65	2% HNO3 DILUENT PUMP	.0011	.0145	.0172	.0365	.0143	.0077
66	"PIPETED" STD1-BLK	.0021	.0395	.0114	.0381	.0101	.0107
67	MCVA @5X	.2129	.0380	.5344	.0013	-.0005	.4949
68	STD1-Blank 108444	-.0012	-.0068	-.0105	-.0439	-.0202	-.0045
69	MCVA 950728H901	1.051	.0595	2.625	-.0232	-.0062	2.552
70	MCVA 950728H901	1.053	.0583	2.627	-.0004	.0102	2.541
71	MCVB 950911H901	.0044	-.0103	.0400	2.144	2.024	.0007

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 14

#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
72	SRM-1643c 103668	.0563	.0066	Q.0215	-.0588	-.0239	-.0065
73	CCV1 950713H901	2.090	4.751	2.057	-.0046	.0033	-.0042
74	SST-ICS-1 950911I101	46.46	.1017	.2197	-.3125	.0106	.0260
75	STD1-Blank 108444	.0021	.0003	.0001	.0013	.0022	.0017
76	95-007941-N3 @5	.0976	.0271	.0291	.0062	.0185	.0159
77	95-007941-N3 @2	.2299	.0762	.0623	.0238	.0504	.0398
78	95-007941-N1 @10	.0701	.5635	.0441	.0876	.0438	.0162
79	95-007941-N1 @2	.3127	2.528	.1533	.2165	.1010	.0473
80	95-007941-N1 SPK@2.5	4.430	1.019	4.587	.1621	.1250	.0451
81	95-007941-N2 @10	.0775	.0925	.0822	.1964	.0971	.0427
82	95-007941-N2 @2	.3190	.3381	.1632	.2761	.1352	.0525
83	95-007943-N1 @10	.1343	.1175	.1041	.2657	.1224	.0510
84	95-007943-N1 @2	.6003	.2627	.1992	.2931	.1455	.0659
85	MCVA 950728I901	1.012	.1161	2.564	.1025	.0582	2.435
86	MCVA 950728I901	1.060	.0477	2.622	-.0531	-.0172	2.568
87	MCVA 950728I901	1.041	.0704	2.591	.0448	.0324	2.530
88	SST-ICS-1 950911I101	47.09	.0934	.2453	-.2512	.0366	.0386
89	STD1-Blank 108444	.0045	.0193	.0179	.0570	.0268	-.0021
90	SST-ICS-1 950911I101	48.44	.1088	.2427	-.2964	.0222	.0374
91	STD1-Blank 108444	-.0008	.0184	.0059	.0040	.0020	-.0033
92	95-007944-N1 @10	.1196	.0766	.0425	.0651	.0303	.0116
93	95-007944-N1 @2	.5550	.3251	.1178	.1500	.0770	.0393
94	95-007945-N1 @10	1.673	.0740	.1422	.0227	.0241	.0120
95	95-007945-N1 @2	7.615	.3242	.5990	.0050	.0623	.0255
96	95-007945-N1-PS @5	8.121	.1790	5.262	-.0947	.0345	.0123
97	95-007946-N1 @10	1.962	.6150	.1266	.0069	.0253	.0083
98	95-007946-N1 @2	9.015	2.068	.5357	-.1047	.0465	.0323
99	95-007947-N1 @10	.7509	.4575	.1627	.0786	.0498	.0222
100	95-007947-N1 @2	3.509	.8392	.5983	-.0334	.0464	.0294
101	MCVA 950728I901	1.076	.0566	2.644	-.0087	.0063	2.585
102	SST-ICS-1 95-911I101	48.20	.0922	.2407	-.3180	.0124	.0207
103	STD1-Blank 108444	.0032	.0099	.0146	.0281	.0145	.0006
104	95-007948-N1 @10	.8640	.2167	.3626	.0503	.0391	.0249
105	95-007948-N1 @2	3.968	.7910	1.572	-.0275	.0555	.0310
106	SRM-2709-N @10X DIL	.0861	.1437	.2768	.1200	.0669	.0292
107	SRM-2709-N @2	.3668	.5249	1.098	.0761	.0683	.1020
108	MCVA 950728I901	1.037	.0458	2.534	-.0450	-.0117	2.486
109	SST-ICS-1 95-911I101	47.56	.1086	.2409	-.3014	.0188	.0340
110	MCVB 950911H901	.0064	.0018	.0563	Q2.261	2.048	.0003
111	SRM-1643c 103668	.0570	.0201	Q.0275	-.0492	-.0202	-.0072
112	CCV1 950713H901	2.095	4.744	2.066	-.0038	-.0004	-.0087
113	STD1-Blank 108444	-.0015	-.0030	-.0005	-.0179	-.0027	-.0077

#	Sample Name	Se	Si	Sn	Sr	Te	Th
1	SPC-BLK 108444	1538.67	3959	6846	140.667	9872.67	2355
2	SPC-BLK 108444	-.0099	.0147	.0521	-.0002	-.0024	.0031
3	SPC-STD 950831I101	1581.33	4049	7017.33	142.333	10736.7	2389
4	SPC-STD 950831I101	.0110	.0314	.1180	-.0001	.0069	.0043
5	STD1-Blank	.15463	.39443	.68376	.014	.99023	.23473
6	STD2				8.60079		
7	STD3						
8	STD4						12.3546

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 1

#	Sample Name	Se	Si	Sn	Sr	Te	Th
9	STD5						
10	STD6						
11	STD7		78.6185			56.5969	
12	STD8	4.02799					
13	STD9			8.67776			
14	STD1-Blank 108444	-.0017	.1967	-.0184	.0003	.0048	-.0031
15	MCVA 950728I901	2.508	19.33	-.0757	.5124	-.0014	.0447
16	MCVB 950911H901	.0174	.1554	2.051	.0006	1.814	4.941
17	SRM-1643c 103668	Q.0202	.0877	.0051	Q.2542	.0067	-.0058
18	CCV1 950713H901	1.938	5.045	-.0102	2.021	-.0142	.0067
19	SST-ICS-0 950908I100	.0241	.0647	.0473	.0002	.0029	.6596
20	STD1-Blank 108444	.0081	-.0006	.0195	.0005	.0071	-.0000
21	95-007932-A3 @2	.0018	1.012	-.0021	.0004	.0018	-.0044
22	95-007932-A3	-.0022	1.995	-.0360	.0004	.0030	.0016
23	95-007932-A4 @2	k-12.44	k7.240	k.7937	k.0093	k-5.873	k.1021
24	95-007932-A4 @10	-.0138	1.508	.1410	.0024	-.0447	.0166
25	95-007932-A4 @50	-.0182	.2896	-.0531	.0005	-.0284	-.0001
26	Na @500 PPM	-.0036	1.154	-.0161	.0042	-.0003	-.0019
27	95-007932-A5 @50	-.0063	.2264	-.0525	.0002	-.0064	-.0006
28	95-007932-A5 @10	-.0113	1.238	-.0544	.0002	-.0012	.0201
29	95-007932-A5	-.0302	11.83	-.2306	-.0002	-.0422	.1962
30	MCVA 950728I901	2.524	19.41	-.0929	.5175	.0006	.0386
31	SST-ICS-0 950908I100	.0224	.0257	.0397	.0001	-.0021	.6770
32	STD1-Blank 108444	.0001	-.0235	-.0310	.0003	.0032	-.0004
33	95-007932-A1 @50	-.0040	.0625	-.0226	.0006	-.0255	-.0107
34	95-007932-A1 @10	-.0176	.4542	.1584	.0023	-.0453	-.0003
35	95-007932-A1 @5	-.0117	.9184	.3090	.0041	-.0721	.0002
36	95-007932-A2 @50	-.0050	.0701	.0134	.0008	-.0090	-.0057
37	95-007932-A2 @10	-.0122	.4451	.1532	.0023	-.0339	-.0035
38	95-007932-A5 @5	-.0143	.8924	.3185	.0041	-.0629	-.0017
39	95-007935-A1 @50	.0065	.1533	.0482	.0031	-.0088	.0000
40	95-007935-A1 @10	-.0098	.8600	.1576	.0138	-.0332	.0013
41	95-007935-A1 @5	-.0570	1.756	.2101	.0265	-.0838	.0029
42	STD9 FOR W @50 PPM	-.0089	48.53	49.85	.0014	.0242	.0288
43	MCVA 950728I901	2.483	19.78	-.0947	.5122	-.0070	.0399
44	SST-ICS-0 950908I100	.0243	.1465	-.0399	-.0000	-.0153	.7025
45	STD1-Blank 108444	-.0031	.0350	-.0448	.0002	-.0035	-.0023
46	95-007935-A2 @50	.0026	.2189	-.0388	.0081	-.0192	.0022
47	95-007935-A2 @10	-.0084	.9511	.1330	.0381	-.0349	.0030
48	95-007935-A2 @5	-.0427	1.872	.2258	.0742	-.0820	.0059
49	MCVA 950728I901	2.526	19.43	-.0793	.5155	.0029	.0400
50	SST-ICS-0 950908I100	.0182	.0642	.0641	.0002	.0055	.7076
51	MCVB 950911H901	.0186	.0576	2.026	.0006	1.818	5.004
52	SRM-1643c 103668	Q.0237	.0077	-.0890	.2650	-.0059	-.0041
53	CCV1 950713H901	2.002	5.018	-.0147	2.045	-.0148	.0037
54	STD1-Blank 108444	-.0025	-.0282	-.0280	.0006	-.0003	-.0013
55	STD1-Blank	.14876	.36573	.65719	.01393	.95939	.2281
56	STD2				8.60163		
57	STD3						
58	STD4						12.0262
59	STD5						
60	STD6						
61	STD7		78.4814			56.0845	
62	STD8	3.96163					

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 16

#	Sample Name	Se	Si	Sn	Sr	Te	Th
63	STD9			8.46126			
64	STD1-Blank 108444	.0020	.0338	-.0054	.0001	-.0076	-.0071
65	2% HNO3 DILUENT PUMP	.0090	.0394	.0423	.0003	.0071	-.0060
66	"PIPETED" STD1-BLK	.0098	.0251	.0373	.0003	.0071	-.0055
67	MCVA @5X	.5154	3.853	-.0158	.1040	-.0022	.0012
68	STD1-Blank 108444	-.0125	.0100	-.0750	.0000	-.0131	-.0069
69	MCVA 950728H901	2.495	18.91	-.1076	.5175	-.0115	.0430
70	MCVA 950728H901	2.466	18.76	-.0494	.5112	.0012	.0367
71	MCVB 950911H901	.0099	.0406	2.032	.0000	Q1.779	5.066
72	SRM-1643c 103668	Q-.0004	.0043	-.0859	.2647	-.0124	-.0089
73	CCV1 950713H901	1.941	4.891	.0083	2.032	-.0197	.0035
74	SST-ICS-1 950911I101	.0420	-.0034	.1905	.0003	.0191	.6802
75	STD1-Blank 108444	-.0015	-.0188	.0181	.0001	-.0029	-.0076
76	95-007941-N3 @5	.0162	.0467	.1318	.0132	.0140	.0572
77	95-007941-N3 @2	.0452	.1445	.2567	.0301	.0267	.1445
78	95-007941-N1 @10	.0058	.3741	.1457	.0088	.0213	-.0020
79	95-007941-N1 @2	.0478	1.753	.3154	.0383	.0467	.0028
80	95-007941-N1 SPK@2.5	.0633	9.100	.4699	.0156	.0621	.2415
81	95-007941-N2 @10	.0408	.4216	.3062	.0079	.0471	.0122
82	95-007941-N2 @2	.0729	1.963	.4273	.0332	.0717	.0329
83	95-007943-N1 @10	.0479	.2931	.4024	.0094	.0590	.0138
84	95-007943-N1 @2	.0751	1.271	.4903	.0395	.0717	.0624
85	MCVA 950728I901	2.368	Q17.86	.1156	.4775	.0274	.0391
86	MCVA 950728I901	2.508	19.08	-.1246	.5258	-.0175	.0394
87	MCVA 950728I901	2.469	18.67	-.1484	.5139	.0027	.0464
88	SST-ICS-1 950911I101	.0617	.0206	-.0633	.0006	.0398	.6716
89	STD1-Blank 108444	.0073	.0116	.0590	.0003	.0109	.0011
90	SST-ICS-1 950911I101	.0538	.0186	-.1053	.0003	.0263	.6945
91	STD1-Blank 108444	-.0034	-.0065	.0240	.0000	-.0002	.0018
92	95-007944-N1 @10	.0207	.1458	.0899	.0455	.0130	.0064
93	95-007944-N1 @2	.0528	.7211	.2094	.2057	.0402	.0323
94	95-007945-N1 @10	.0212	.2883	.0559	1.593	.0144	.0578
95	95-007945-N1 @2	.0467	1.412	.1049	7.206	.0441	.2742
96	95-007945-N1-PS @5	.0287	10.30	.0822	3.090	.0245	.3587
97	95-007946-N1 @10	.0214	.2530	.0601	2.936	.0197	.1085
98	95-007946-N1 @2	.0639	1.232	.0318	13.48	.0542	.4676
99	95-007947-N1 @10	.0318	.1674	.1213	.1417	.0303	.0816
100	95-007947-N1 @2	.0644	.8129	-.0104	.6590	.0413	.3531
101	MCVA 950728I901	2.546	19.10	-.1748	.5481	-.0046	.0433
102	SST-ICS-1 95-911I101	.0624	-.0054	-.1215	.0008	.0246	.6876
103	STD1-Blank 108444	.0092	-.0062	.0678	.0006	.0059	.0090
104	95-007948-N1 @10	.0266	.2050	.0819	.1800	.0260	.0900
105	95-007948-N1 @2	.0789	.9824	-.0165	.8079	.0630	.4141
106	SRM-2709-N @10X DIL	.0545	43.13	.1486	.0434	.0370	.0463
107	SRM-2709-N @2	.1212	207.1	.0547	.1968	.0675	.1935
108	MCVA 950728I901	2.420	18.17	-.2425	.5344	-.0116	.0404
109	SST-ICS-1 95-911I101	.0627	.0130	-.0929	.0008	.0273	.6821
110	MCVB 950911H901	.0155	.0393	Q1.753	.0007	1.800	5.032
111	SRM-1643c 103668	Q.0074	-.0005	-.0543	Q.2807	-.0123	-.0062
112	CCV1 950713H901	1.959	4.936	-.0140	2.141	-.0215	.0050
113	STD1-Blank 108444	-.0050	-.0207	-.0079	.0007	-.0089	.0035

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 1

#	Sample Name	Ti	Tl	U	V	W	Y
1	SPC-BLK 108444	648.333	349.333	17198.7	978.333	304.667	255
2	SPC-BLK 108444	.0007	.0010	.1549	.0017	-.0045	.0009
3	SPC-STD 950831I101	659.333	373.667	17488.3	994.667	322.333	260
4	SPC-STD 950831I101	.0019	.0396	.4172	.0039	.0082	.0023
5	STD1-Blank	.06466	.03473	1.7185	.0978	.03106	.02553
6	STD2	15.5487					
7	STD3						
8	STD4						
9	STD5				12.714		3.31983
10	STD6			52.8941			
11	STD7						
12	STD8		1.24239				
13	STD9					3.37919	
14	STD1-Blank 108444	-.0001	.0065	.0187	-.0008	-.0086	-.0002
15	MCVA 950728I901	.9961	2.522	.0340	.9930	.0245	-.0001
16	MCVB 950911H901	.0012	.0169	Q8.603	-.0004	Q.4948	.9554
17	SRM-1643c 103668	.0081	Q.0196	.3037	Q.0282	.0006	-.0012
18	CCV1 950713H901	.0003	1.939	.0056	.9611	.0092	-.0002
19	SST-ICS-0 950908I100	.0013	.2185	49.87	.0021	.0531	.0032
20	STD1-Blank 108444	.0001	.0044	.0388	.0002	-.0012	.0002
21	95-007932-A3 @2	.0014	.0133	.0085	-.0006	-.0020	-.0005
22	95-007932-A3	.0020	.0083	-.2183	-.0014	-.0040	-.0010
23	95-007932-A4 @2	k.0026	k2.869	k8.547	k.0051	k2.349	k.0014
24	95-007932-A4 @10	.0005	.6071	1.964	.0006	.5232	.0003
25	95-007932-A4 @50	-.0013	.1176	.1636	-.0024	.1015	-.0012
26	Na @500 PPM	-.0001	.0065	-.0612	-.0010	-.0039	-.000
27	95-007932-A5 @50	-.0004	.0058	.2803	-.0012	-.0027	-.0005
28	95-007932-A5 @10	-.0002	.0075	1.686	-.0014	-.0044	-.0007
29	95-007932-A5	-.0007	.0213	17.56	-.0086	-.0161	-.0034
30	MCVA 950728I901	1.004	2.564	.0273	.9975	.0284	-.0002
31	SST-ICS-0 950908I100	.0010	.2270	50.10	.0012	.0428	.0032
32	STD1-Blank 108444	-.0004	.0007	-.0332	-.0009	-.0018	-.0004
33	95-007932-A1 @50	-.0008	.1151	-.1631	-.0017	.0941	-.0008
34	95-007932-A1 @10	.0005	.6050	.1054	.0006	.5039	.0003
35	95-007932-A1 @5	.0014	1.151	.2685	.0022	.9859	.0011
36	95-007932-A2 @50	.0000	.1236	.0610	-.0001	.1021	-.0001
37	95-007932-A2 @10	.0010	.6022	.2309	.0019	.5000	.0009
38	95-007932-A5 @5	.0018	1.140	.3436	.0028	.9661	.0013
39	95-007935-A1 @50	.0003	.1294	.0758	.0001	1.248	.0001
40	95-007935-A1 @10	.0015	.6189	.3488	.0020	6.208	.0011
41	95-007935-A1 @5	.0013	1.204	.3060	.0017	12.31	.0009
42	STD9 FOR W @50 PPM	.0074	-.1623	-.0539	-.0072	49.48	.0005
43	MCVA 950728I901	.9937	2.553	.0323	.9854	.0257	-.0005
44	SST-ICS-0 950908I100	.0004	.2316	50.98	-.0005	.0466	.0023
45	STD1-Blank 108444	-.0003	.0136	-.0744	-.0011	-.0033	-.0007
46	95-007935-A2 @50	-.0003	.1371	-.0283	-.0008	1.243	-.0003
47	95-007935-A2 @10	.0016	.6182	.4086	.0019	6.176	.0010
48	95-007935-A2 @5	.0023	1.216	.4926	.0017	12.19	.0009
49	MCVA 950728I901	1.001	2.546	.0893	.9918	.0355	-.0000
50	SST-ICS-0 950908I100	.0015	.2320	49.76	.0022	.0516	.0033
51	MCVB 950911H901	.0010	.0243	Q8.407	-.0011	Q.4932	.9560
52	SRM-1643c 103668	.0072	Q.0180	.0048	Q.0263	.0016	-.0026
53	CCV1 950713H901	.0001	2.004	-.0142	.9653	.0056	-.0003

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 18

#	Sample Name	Ti	Tl	U	V	W	Y
54	STD1-Blank 108444	-.0006	.0098	-.0836	-.0009	-.0049	-.0009
55	STD1-Blank	.06283	.03436	1.66643	.09449	.02956	.0247
56	STD2	15.1919					
57	STD3						
58	STD4						
59	STD5				12.3454		3.20323
60	STD6			51.5214			
61	STD7						
62	STD8		1.22783				
63	STD9					3.23706	
64	STD1-Blank 108444	-.0003	-.0013	-.0616	-.0011	.0071	-.0005
65	2% HNO3 DILUENT PUMP	.0006	-.0041	.1722	.0008	.0068	.0008
66	"PIPETED" STD1-BLK	.0005	-.0066	.1838	.0009	.0132	.0005
67	MCVA @5X	.2016	.5055	.0257	.2010	.0145	.0002
68	STD1-Blank 108444	-.0011	-.0144	-.2240	-.0022	.0075	-.0009
69	MCVA 950728H901	1.003	2.515	.0072	.9938	.0335	.0000
70	MCVA 950728H901	.9946	2.516	.1962	.9882	.0295	.0002
71	MCVB 950911H901	.0003	.0050	Q8.494	-.0029	Q.5029	.9724
72	SRM-1643c 103668	.0070	.0105	-.0653	Q.0262	.0035	-.0027
73	CCV1 950713H901	.0004	1.939	.0102	.9600	.0110	.0001
74	SST-ICS-1 950911I101	.0033	.2150	44.54	.0053	.0681	.0051
75	STD1-Blank 108444	-.0000	-.0027	.0428	.0003	.0073	.0003
76	95-007941-N3 @5	.0029	.0103	-.0574	.0030	.0107	.0019
77	95-007941-N3 @2	.0071	.0249	.0390	.0074	.0291	.0047
78	95-007941-N1 @10	.0074	.0374	.5447	.0105	.0200	.0019
79	95-007941-N1 @2	.0295	.1690	1.350	.0376	.0419	.0049
80	95-007941-N1 SPK@2.5	.0170	.1109	17.17	.0247	.0489	.0074
81	95-007941-N2 @10	.0107	.0466	1.158	.0118	.0329	.0045
82	95-007941-N2 @2	.0330	.1665	1.577	.0259	.0391	.0068
83	95-007943-N1 @10	.0100	.0572	1.474	.0123	.0310	.0059
84	95-007943-N1 @2	.0251	.1842	1.702	.0168	.0505	.0079
85	MCVA 950728I901	.9384	2.369	.7705	.9398	.0475	.0025
86	MCVA 950728I901	1.014	2.537	-.1062	1.000	.0262	-.0007
87	MCVA 950728I901	.9899	2.487	.4696	.9806	.0333	.0017
88	SST-ICS-1 950911I101	.0047	.2272	45.74	.0075	.0628	.0067
89	STD1-Blank 108444	.0011	.0005	.3200	.0019	.0095	.0013
90	SST-ICS-1 950911I101	.0036	.2169	47.09	.0060	.0604	.0059
91	STD1-Blank 108444	.0003	-.0030	.0630	.0003	.0004	.0003
92	95-007944-N1 @10	.0035	.0220	.4230	.0041	.0114	.0016
93	95-007944-N1 @2	.0133	.0615	1.236	.0126	.0458	.0048
94	95-007945-N1 @10	.0051	.0082	4.014	.0033	.0053	.0021
95	95-007945-N1 @2	.0212	.0544	17.24	.0098	.0339	.0082
96	95-007945-N1-PS @5	.0107	.0500	26.43	.0070	.0214	.0054
97	95-007946-N1 @10	.0063	.0161	6.757	.0038	.0158	.0032
98	95-007946-N1 @2	.0249	.0562	29.46	.0107	.0332	.0109
99	95-007947-N1 @10	.0059	.0219	5.772	.0059	.0155	.0043
100	95-007947-N1 @2	.0176	.0434	24.55	.0093	.0286	.0105
101	MCVA 950728I901	1.023	2.524	.2112	1.011	.0318	.0006
102	SST-ICS-1 95-911I101	.0033	.2265	46.60	.0053	.0534	.0052
103	STD1-Blank 108444	.0009	.0021	.1934	.0015	.0051	.0008
104	95-007948-N1 @10	.0063	.0156	6.552	.0049	.0177	.0042
105	95-007948-N1 @2	.0223	.0435	27.89	.0114	.0407	.0137
106	SRM-2709-N @10X DIL	.4978	.0512	.6999	.0234	.0318	.0062
107	SRM-2709-N @2	2.294	.2099	.3316	.0851	.0659	.0177

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 1

#	Sample Name	Ti	Tl	U	V	W	Y
108	MCVA 950728I901	.9933	2.416	-.0325	.9805	.0241	-.0003
109	SST-ICS-1 95-911I101	.0040	.2147	45.95	.0063	.0619	.0057
110	MCVB 950911H901	.0010	-.0053	Q8.692	-.0011	Q.5127	.9710
111	SRM-1643c 103668	.0074	.0100	.0074	Q.0270	-.0009	-.0023
112	CCV1 950713H901	.0007	1.928	.0254	.9684	-.0029	-.0000
113	STD1-Blank 108444	.0001	-.0081	-.0592	-.0003	-.0030	-.0002

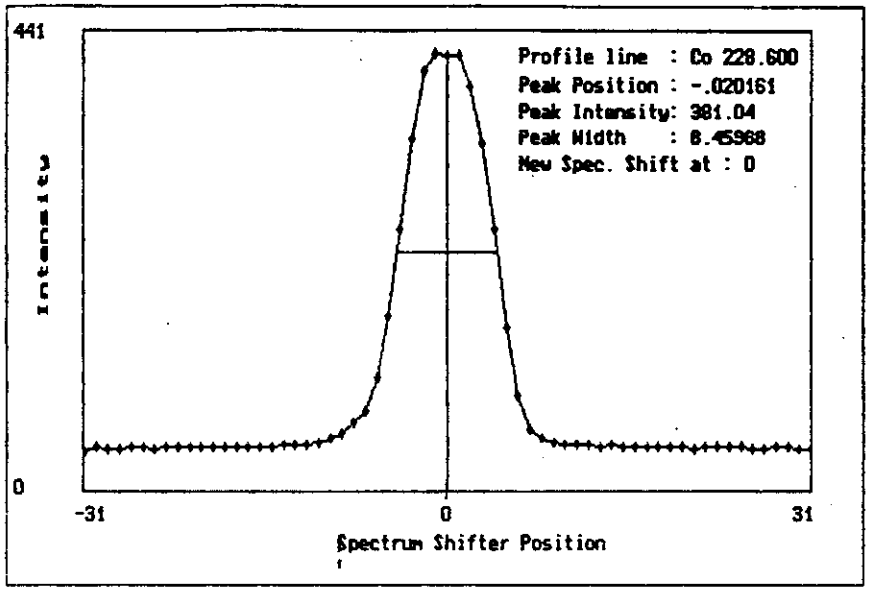
#	Sample Name	Zn	Zr
1	SPC-BLK 108444	333.333	811
2	SPC-BLK 108444	.0002	.0016
3	SPC-STD 950831I101	153010	817.667
4	SPC-STD 950831I101	10.02	.0026
5	STD1-Blank	.03363	.08076
6	STD2	30.0327	26.512
7	STD3		
8	STD4		
9	STD5		
10	STD6		
11	STD7		
12	STD8		
13	STD9		
14	STD1-Blank 108444	.0002	-.0009
15	MCVA 950728I901	1.008	2.041
16	MCVB 950911H901	.0016	-.0069
17	SRM-1643c 103668	Q.0844	.0002
18	CCV1 950713H901	1.018	-.0018
19	SST-ICS-0 950908I100	-.0279	9.983
20	STD1-Blank 108444	.0000	.0004
21	95-007932-A3 @2	.0051	.0009
22	95-007932-A3	.0085	-.0005
23	95-007932-A4 @2	k.2550	k.1988
24	95-007932-A4 @10	.0564	.0421
25	95-007932-A4 @50	.0108	.0062
26	Na @500 PPM	.0063	.0025
27	95-007932-A5 @50	-.0006	.0073
28	95-007932-A5 @10	-.0003	.0434
29	95-007932-A5	-.0021	.4378
30	MCVA 950728I901	1.025	2.055
31	SST-ICS-0 950908I100	-.0305	9.974
32	STD1-Blank 108444	-.0002	.0003
33	95-007932-A1 @50	.0101	-.0002
34	95-007932-A1 @10	.0548	.0015
35	95-007932-A1 @5	.1051	.0035
36	95-007932-A2 @50	.0104	.0003
37	95-007932-A2 @10	.0543	.0021
38	95-007932-A5 @5	.1069	.0036
39	95-007935-A1 @50	.0186	.0001
40	95-007935-A1 @10	.0924	.0024
41	95-007935-A1 @5	.1863	.0026
42	STD9 FOR W @50 PPM	.0020	.0384
43	MCVA 950728I901	1.019	2.038
44	SST-ICS-0 950908I100	-.0274	10.14

#	Sample Name	Zn	Zr
45	STD1-Blank 108444	.0003	-.0003
46	95-007935-A2 @50	.0192	-.0003
47	95-007935-A2 @10	.0924	.0034
48	95-007935-A2 @5	.1884	.0034
49	MCVA 950728I901	1.034	2.050
50	SST-ICS-0 950908I100	-.0286	9.964
51	MCVB 950911H901	.0010	-.0083
52	SRM-1643c 103668	Q.0880	-.0021
53	CCV1 950713H901	1.044	-.0014
54	STD1-Blank 108444	.0001	-.0012
55	STD1-Blank	.03229	.07836
56	STD2	29.9977	25.9249
57	STD3		
58	STD4		
59	STD5		
60	STD6		
61	STD7		
62	STD8		
63	STD9		
64	STD1-Blank 108444	-.0002	-.0008
65	2% HNO3 DILUENT PUMP	-.0003	.0012
66	"PIPETED" STD1-BLK	.0008	.0016
67	MCVA @5X	.2077	.4114
68	STD1-Blank 108444	.0002	-.0021
69	MCVA 950728H901	1.018	2.057
70	MCVA 950728H901	1.018	2.042
71	MCVB 950911H901	.0016	-.0117
72	SRM-1643c 103668	Q.0849	-.0024
73	CCV1 950713H901	1.027	-.0011
74	SST-ICS-1 950911I101	-.0273	9.329
75	STD1-Blank 108444	.0004	.0005
76	95-007941-N3 @5	.0037	9.937
77	95-007941-N3 @2	.0102	22.98
78	95-007941-N1 @10	.0059	.0506
79	95-007941-N1 @2	.0279	.2101
80	95-007941-N1 SPK@2.5	.0097	.4829
81	95-007941-N2 @10	.0046	1.039
82	95-007941-N2 @2	.0236	5.014
83	95-007943-N1 @10	.0084	2.019
84	95-007943-N1 @2	.0366	9.431
85	MCVA 950728I901	.9797	1.978
86	MCVA 950728I901	1.028	2.072
87	MCVA 950728I901	1.007	2.026
88	SST-ICS-1 950911I101	-.0298	9.459
89	STD1-Blank 108444	.0008	.0026
90	SST-ICS-1 950911I101	-.0293	9.750
91	STD1-Blank 108444	-.0004	-.0001
92	95-007944-N1 @10	.0092	.7619
93	95-007944-N1 @2	.0458	3.600
94	95-007945-N1 @10	.0253	1.526
95	95-007945-N1 @2	.1219	6.996
96	95-007945-N1-PS @5	.0461	3.458
97	95-007946-N1 @10	.0164	3.066
98	95-007946-N1 @2	.0806	11.52

Analysis Report Averages Tue 09-12-95 06:47:10 PM page 2

#	Sample Name	Zn	Zr
99	95-007947-N1 @10	.0261	1.592
100	95-007947-N1 @2	.1294	3.993
101	MCVA 950728I901	1.034	2.103
102	SST-ICS-1 95-911I101	-.0299	9.691
103	STD1-Blank 108444	.0011	.0013
104	95-007948-N1 @10	.0345	.8404
105	95-007948-N1 @2	.1667	3.441
106	SRM-2709-N @10X DIL	.0199	5.470
107	SRM-2709-N @2	.0953	25.60
108	MCVA 950728I901	.9952	2.031
109	SST-ICS-1 95-911I101	-.0323	9.522
110	MCVB 950911H901	.0011	-.0079
111	SRM-1643c 103668	0.0862	-.0026
112	CCV1 950713H901	1.035	-.0012
113	STD1-Blank 108444	-.0010	-.0014

95D255A
ICP-325-406-1
9/12/95
DK



Analysis Report Tue 09-12-95 08:54:08 AM page

Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/12/95 08:52:50
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	6568	2085	1663	1069	306	172	1438
SDev	31	7	7	6	2	0	23
%RSD	.4718	.3402	.4094	.5717	.4997	.0000	1.593
#1	6595	2093	1668	1062	307	172	1418
#2	6534	2079	1655	1070	306	172	1433
#3	6574	2084	1665	1074	304	172	1463

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1256	444	6274	1421	470	454	1943
SDev	3	14	16	6	1	5	8
%RSD	.2299	3.129	.2471	.4243	.1228	.9940	.4316
#1	1259	435	6292	1427	471	458	1953
#2	1254	437	6263	1420	470	449	1939
#3	1254	460	6268	1415	470	454	1938

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	337	562	2165	989	416	2374	197
SDev	1	2	7	3	3	1	0
%RSD	.2967	.4112	.3276	.3090	.6360	.0243	.0000
#1	338	563	2173	992	417	2374	197
#2	336	559	2164	986	413	2373	197
#3	337	563	2159	988	418	2374	197

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	804	409	3670	473	1306	13360	15260
SDev	6	6	16	4	1	87	63
%RSD	.7767	1.467	.4312	.7623	.0884	.6477	.4137
#1	809	415	3687	477	1307	13460	15330
#2	797	403	3656	472	1307	13290	15210
#3	806	409	3666	470	1305	13340	15240

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	15180	2605	1539	3959	6846	141	9873
SDev	47	17	5	19	11	1	61
%RSD	.3077	.6529	.3206	.4917	.1646	.4104	.6132
#1	15220	2612	1542	3981	6859	141	9928
#2	15130	2586	1541	3944	6840	140	9808
#3	15190	2618	1533	3952	6839	141	9882

Elem	Th	Ti	Tl	U	V	W	Y
Avge	2355	648	349	17200	978	305	255
SDev	13	4	3	78	3	2	2
%RSD	.5520	.6234	.9202	.4525	.2572	.6833	.6792
#1	2370	653	348	17270	981	307	257
#2	2347	646	347	17110	976	304	254
#3	2348	646	353	17220	978	303	254

Analysis Report

Tue 09-12-95 08:54:08 AM

Elem	Zn	Zr
Avge	333	811
SDev	10	3
%RSD	2.851	.3699
#1	343	814
#2	333	808
#3	324	811

Analysis Report

Tue 09-12-95 08:54:54 AM page

Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/12/95 08:52:50
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	-.0050	-.0098	-.0006	.0003	-.0000	.0030
SDev	.0008	.0025	.0022	.0006	.0002	.0000	.0083
%RSD	36.43	51.06	22.26	110.7	66.49	19.96	271.3
#1	.0028	-.0021	-.0082	-.0013	.0004	-.0000	-.0043
#2	.0013	-.0070	-.0123	-.0004	.0003	-.0000	.0014
#3	.0023	-.0058	-.0090	-.0001	.0001	-.0000	.0120

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0004	.0171	.0004	-.0004	-.0028	.0010
SDev	.0007	.0014	.0027	.0006	.0001	.0018	.0008
%RSD	57.73	336.9	15.74	181.1	17.22	63.42	76.99
#1	.0020	-.0005	.0202	.0010	-.0003	-.0011	.0019
#2	.0010	-.0003	.0154	.0003	-.0005	-.0046	.0007
#3	.0007	.0020	.0157	-.0003	-.0005	-.0027	.0004

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0006	.6901	.0015	.0008	.0047	-.0001
SDev	.0001	.0005	.1166	.0008	.0009	.0022	.0000
%RSD	36.69	83.71	16.89	57.24	113.9	45.54	49.83
#1	.0005	-.0003	.8161	.0024	.0012	.0029	-.0001
#2	.0002	-.0011	.6682	.0008	-.0002	.0071	-.0000
#3	.0004	-.0003	.5860	.0012	.0015	.0043	-.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	-.0129	.0128	.0014	.0026	.0008	.0122
SDev	.0010	.0251	.0043	.0011	.0008	.0071	.0106
%RSD	60.72	194.7	33.98	80.13	30.95	928.5	86.40
#1	-.0008	.0122	.0176	.0027	.0028	.0086	.0240
#2	-.0027	-.0380	.0092	.0011	.0033	-.0053	.0035
#3	-.0013	-.0129	.0116	.0004	.0017	-.0010	.0092

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0109	-.0085	-.0099	.0147	.0521	-.0002	-.0024
SDev	.0039	.0045	.0025	.0039	.0064	.0001	.0052
%RSD	36.09	52.82	25.36	26.38	12.34	24.61	218.9
#1	.0143	-.0069	-.0084	.0192	.0592	-.0002	.0024
#2	.0066	-.0136	-.0084	.0122	.0503	-.0003	-.0079
#3	.0117	-.0051	-.0128	.0128	.0467	-.0002	-.0016

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.0007	.0010	.1549	.0017	-.0045	.0009
SDev	.0037	.0005	.0053	.0737	.0003	.0031	.0005

Analysis Report

Tue 09-12-95 08:54:54 AM

page

%RSD	118.4	65.29	541.0	47.59	17.56	67.82	54.36
#1	.0064	.0013	-.0015	.2151	.0020	-.0011	.0015
#2	.0038	.0005	-.0026	.0727	.0014	-.0053	.0007
#3	-.0009	.0004	.0071	.1769	.0016	-.0071	.0006

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0002	.0016
SDev	.0006	.0005
%RSD	330.6	28.60
#1	.0008	.0019
#2	.0002	.0011
#3	-.0004	.0019

Analysis Report Tue 09-12-95 08:56:46 AM page

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/12/95 08:55:29
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	6729	2133	1730	1117	311	173	1711
SDev	46	10	8	19	2	1	23
%RSD	.6827	.4695	.4338	1.677	.7434	.3331	1.333
#1	6679	2123	1739	1102	308	173	1691
#2	6769	2143	1726	1111	312	174	1736
#3	6740	2134	1726	1138	312	173	1707

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1254	453	6344	1446	486	23840	2199
SDev	6	10	40	8	10	145	9
%RSD	.4674	2.120	.6364	.5548	2.029	.6076	.3938
#1	1247	462	6298	1438	491	24000	2189
#2	1258	443	6372	1454	493	23760	2204
#3	1256	455	6363	1445	475	23750	2204

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	341	625	2193	1004	27460	2515	73990
SDev	2	2	12	4	521	13	291
%RSD	.5079	.3332	.5403	.4342	1.897	.5034	.3930
#1	339	623	2179	999	28060	2501	74260
#2	342	627	2199	1006	27110	2525	74020
#3	342	624	2200	1007	27210	2520	73680

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	847	421	3725	484	1480	139200	15490
SDev	4	2	15	8	14	399	94
%RSD	.4913	.3631	.3955	1.758	.9176	.2870	.6044
#1	852	419	3708	474	1464	139000	15380
#2	846	421	3733	490	1487	139600	15550
#3	844	422	3734	487	1488	138900	15540

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	15400	2716	1581	4049	7017	142	10740
SDev	57	44	8	14	39	1	28
%RSD	.3721	1.639	.5150	.3458	.5611	.8113	.2585
#1	15340	2688	1572	4039	6972	141	10710
#2	15450	2692	1587	4043	7043	143	10740
#3	15410	2767	1585	4065	7037	143	10760

Elem	Th	Ti	Tl	U	V	W	Y
Avge	2389	659	374	17490	995	322	260
SDev	10	4	5	86	4	5	1
%RSD	.3993	.5742	1.236	.4912	.4186	1.399	.3846
#1	2379	655	371	17400	990	327	259
#2	2398	662	379	17570	996	322	260
#3	2390	661	371	17500	998	318	261

Analysis Report Tue 09-12-95 08:56:46 AM page 2

Elem	Zn	Zr
Avge	153000	818
SDev	508	5
%RSD	.3321	.6276
#1	153500	812
#2	153100	819
#3	152500	822

Analysis Report Tue 09-12-95 08:58:44 AM page

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/12/95 08:55:29
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	-.0017	.0137	.0038	.0009	-.0000	-.0022
SDev	.0013	.0043	.0030	.0018	.0003	.0000	.0085
%RSD	19.07	257.6	22.15	46.45	31.71	325.8	384.6
#1	.0052	-.0062	.0172	.0024	.0005	-.0000	-.0101
#2	.0076	.0025	.0118	.0031	.0010	.0000	.0068
#3	.0068	-.0014	.0120	.0058	.0010	-.0000	-.0034

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0011	.0293	.0030	.0020	10.27	-.0004
SDev	.0015	.0009	.0075	.0008	.0015	.06	.0008
%RSD	511.4	86.77	25.64	28.56	77.18	.6215	191.5
#1	-.0021	.0019	.0207	.0022	.0027	10.35	-.0014
#2	.0008	.0001	.0344	.0038	.0030	10.24	-.0001
#3	.0004	.0012	.0329	.0029	.0002	10.23	.0001

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0001	1.139	.0058	9.395	.0265	9.992
SDev	.0003	.0004	.195	.0013	.181	.0043	.039
%RSD	28.54	327.3	17.09	21.50	1.926	16.36	.3942
#1	.0006	-.0002	.9147	.0044	9.603	.0215	10.03
#2	.0011	.0006	1.243	.0063	9.274	.0290	9.997
#3	.0011	.0000	1.260	.0068	9.308	.0289	9.951

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0358	.0278	.0047	-.0011	10.41	.0547
SDev	.0007	.0063	.0040	.0027	.0103	.03	.0188
%RSD	109.3	17.72	14.31	57.20	925.6	.3173	34.38
#1	.0001	.0289	.0232	.0016	-.0130	10.40	.0330
#2	-.0009	.0370	.0298	.0067	.0043	10.45	.0656
#3	-.0011	.0414	.0304	.0058	.0054	10.39	.0655

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0306	.0208	.0110	.0314	.1180	-.0001	.0069
SDev	.0049	.0121	.0040	.0037	.0264	.0001	.0026
%RSD	16.11	58.27	35.89	11.81	22.39	165.4	37.73
#1	.0251	.0134	.0065	.0298	.0875	-.0002	.0042
#2	.0347	.0142	.0137	.0287	.1341	-.0000	.0072
#3	.0318	.0348	.0129	.0356	.1324	-.0000	.0094

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	.0019	.0396	.4172	.0039	.0082	.0023
SDev	.0001	.0004	.0075	.0810	.0006	.0069	.0003

%RSD	2.035	22.03	18.84	19.42	14.85	84.54	12.03
#1	.0043	.0014	.0350	.3328	.0033	.0155	.0021
#2	.0042	.0022	.0482	.4944	.0040	.0075	.0023
#3	.0044	.0021	.0355	.4246	.0044	.0016	.0026

Elem	Zn	Zr
Units	ppm	ppm
Avge	10.02	.0026
SDev	.03	.0009
%RSD	.3328	34.82
#1	10.05	.0016
#2	10.03	.0028
#3	9.985	.0034

Standardization Rot. Tue 09-12-95 09:03:38 AM page 1

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.6560	.2080	.1659	.1054	.0304	.0172	.1420
SDev	.0043	.0005	.0003	.0011	.0002	.0000	.0005
%RSD	.6479	.2420	.1595	1.094	.6579	.0000	.3659
#1	.6602	.2085	.1658	.1063	.0306	.0172	.1414
#2	.6560	.2079	.1657	.1041	.0304	.0172	.1423
#3	.6517	.2075	.1662	.1058	.0302	.0172	.1423

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1253	.0452	.6266	.1414	.0471	.0467	.1936
SDev	.0003	.0008	.0008	.0005	.0006	.0001	.0003
%RSD	.2112	1.770	.1208	.3560	1.296	.3273	.1491
#1	.1254	.0444	.6275	.1419	.0478	.0468	.1938
#2	.1255	.0452	.6261	.1413	.0470	.0465	.1938
#3	.1250	.0460	.6263	.1409	.0466	.0467	.1933

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0336	.0562	.2161	.0986	.0413	.2365	.0199
SDev	.0001	.0002	.0005	.0004	.0003	.0005	.0001
%RSD	.1717	.4107	.2121	.4224	.8388	.1953	.2896
#1	.0337	.0565	.2162	.0989	.0417	.2368	.0199
#2	.0336	.0561	.2165	.0987	.0411	.2360	.0200
#3	.0336	.0561	.2156	.0981	.0411	.2368	.0199

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0802	.0410	.3669	.0471	.1289	1.346	1.523
SDev	.0006	.0001	.0005	.0009	.0018	.007	.003
%RSD	.7309	.2439	.1288	1.904	1.396	.5302	.1694
#1	.0804	.0411	.3664	.0481	.1289	1.346	1.526
#2	.0806	.0409	.3673	.0466	.1307	1.352	1.522
#3	.0795	.0410	.3671	.0465	.1271	1.338	1.521

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.514	.2585	.1546	.3944	.6838	.0140	.9902
SDev	.002	.0019	.0016	.0015	.0023	.0000	.0079
%RSD	.1572	.7466	1.067	.3881	.3355	.0000	.8018
#1	1.516	.2600	.1530	.3962	.6822	.0140	.9994
#2	1.515	.2591	.1546	.3935	.6864	.0140	.9858
#3	1.512	.2563	.1563	.3936	.6827	.0140	.9855

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.2347	.0647	.0347	1.719	.0978	.0311	.0255
SDev	.0016	.0001	.0002	.007	.0001	.0004	.0001
%RSD	.7030	.1786	.5993	.3946	.1023	1.301	.2261
#1	.2361	.0646	.0349	1.723	.0978	.0306	.0256
#2	.2329	.0648	.0348	1.722	.0979	.0313	.0255
#3	.2352	.0646	.0345	1.711	.0977	.0313	.0255

Elem	Zn	Zr
Avge	.0336	.0808
SDev	.0006	.0001

%RSD	1.638	.1891
#1	.0331	.0809
#2	.0336	.0808
#3	.0342	.0806

Standardization Rpt. Tue 09-12-95 09:05:39 AM page

Method: ICP1 Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	8.388	18.08	13.16	4.684	76.86	46.96	12.43
SDev	.035	.04	.02	.022	.14	.08	.04
%RSD	.4227	.2351	.1446	.4779	.1800	.1744	.2846
#1	8.364	18.07	13.16	4.664	76.87	46.93	12.42
#2	8.372	18.04	13.14	4.678	76.72	46.89	12.40
#3	8.429	18.13	13.18	4.708	77.00	47.05	12.47

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	5.959	6.214	61.35	8.601	15.55	30.03	26.51
SDev	.043	.016	.08	.052	.05	.12	.07
%RSD	.7249	.2568	.1347	.6002	.3058	.4051	.2764
#1	5.909	6.210	61.34	8.560	15.53	30.06	26.50
#2	5.981	6.201	61.27	8.583	15.52	29.90	26.45
#3	5.987	6.232	61.44	8.659	15.60	30.14	26.59

Standardization Rpt. Tue 09-12-95 09:09:18 AM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	75.81	51.75	81.10	10.20	3.173	13.99	7.301
SDev	.30	.14	.13	.02	.041	.17	.016
%RSD	.3991	.2658	.1660	.2045	1.297	1.244	.2185
#1	76.14	51.90	81.25	10.20	3.215	14.16	7.319
#2	75.54	51.64	81.06	10.21	3.133	13.81	7.295
#3	75.74	51.70	80.99	10.17	3.171	14.00	7.289

Elem	P
Avge	14.48
SDev	.04
%RSD	.3037
#1	14.52
#2	14.44
#3	14.48

Standardization Rpt. Tue 09-12-95 09:12:57 AM page

Method: ICP1 Standard: STD4

Elem	Dv	Eu	La	Nd	Th
Avge	50.58	11.65	6.400	17.39	12.35
SDev	.08	.03	.015	.05	.02
%RSD	.1511	.2321	.2328	.2600	.1512
#1	50.50	11.62	6.385	17.34	12.33
#2	50.64	11.66	6.400	17.42	12.36
#3	50.62	11.67	6.415	17.42	12.37

Standardization Rpt. Tue 09-12-95 09:16:38 AM page 1

Method: ICP1 Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	27.95	25.75	37.28	12.71	3.320
SDev	.09	.13	.11	.04	.016
%RSD	.3320	.4868	.3081	.3120	.4721
#1	27.85	25.72	37.17	12.68	3.310
#2	27.96	25.65	37.26	12.70	3.312
#3	28.03	25.89	37.40	12.76	3.338

Standardization Rpt. Tue 09-12-95 09:20:15 AM page

Method: ICP1 Standard: STD6

Elem	U
Avge	52.89
SDev	.26
%RSD	.5006
#1	52.74
#2	52.74
#3	53.20

Standardization Rpt. Tue 09-12-95 09:23:52 AM page 1

Method: ICP1 Standard: STD7

Elem	Be	Si	Te
Avge	1.928	78.62	56.60
SDev	.009	.25	.26
%RSD	.4607	.3243	.4615
#1	1.938	78.90	56.90
#2	1.926	78.54	56.47
#3	1.920	78.41	56.42

Standardization Rpt. Tue 09-12-95 09:27:31 AM page

Method: ICP1 Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	30.90	27.76	4.028	1.242
SDev	.15	.12	.022	.004
%RSD	.4810	.4269	.5351	.3566
#1	30.85	27.72	4.017	1.238
#2	31.06	27.89	4.053	1.247
#3	30.77	27.67	4.014	1.242

Standardization Rpt. Tue 09-12-95 09:31:11 AM page 1

Method: ICP1 Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	21.59	51.08	8.678	3.379
SDev	.17	.50	.054	.027
%RSD	.7759	.9809	.6268	.8019
#1	21.78	51.64	8.740	3.410
#2	21.52	50.90	8.653	3.370
#3	21.47	50.68	8.640	3.358

Standardization Report Tue 09-12-95 09:31:52 AM page

Method: ICP1 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	STD8	STD1-Blank	.330697	-.216926	09/12/95 09:29:53
Al	308.215	STD3	STD1-Blank	6.61375	-1.37544	09/12/95 09:29:53
As	193.600	STD5	STD1-Blank	3.59954	-.597164	09/12/95 09:29:53
B	249.600	STD3	STD1-Blank	.968166	-.102045	09/12/95 09:29:53
Ba	493.400	STD2	STD1-Blank	1.19647	-.036373	09/12/95 09:29:53
Be	313.042	STD7	STD1-Blank	.523268	-.009000	09/12/95 09:29:53
Bi	223.061	STD8	STD1-Blank	3.62087	-.514164	09/12/95 09:29:53
Ca	317.900	STD3	STD1-Blank	3.08740	-.386851	09/12/95 09:29:53
Cd	228.800	STD3	STD1-Blank	.985222	-.044532	09/12/95 09:29:53
Ce	418.659	STD5	STD1-Blank	1.98988	-1.24693	09/12/95 09:29:53
Co	228.600	STD2	STD1-Blank	1.11504	-.157629	09/12/95 09:29:53
Cr	205.500	STD2	STD1-Blank	1.52541	-.071897	09/12/95 09:29:53
Cu	324.700	STD2	STD1-Blank	4.31316	-.201281	09/12/95 09:29:53
Dy	353.170	STD4	STD1-Blank	.992254	-.192134	09/12/95 09:29:53
Eu	381.900	STD4	STD1-Blank	1.72149	-.057899	09/12/95 09:29:53
Fe	259.900	STD2	STD1-Blank	2.60391	-.146427	09/12/95 09:29:53
K	766.500	STD3	STD1-Blank	169.107	-36.5441	09/12/95 09:29:53
La	398.852	STD4	STD1-Blank	3.17402	-.312852	09/12/95 09:29:53
Li	670.700	STD3	STD1-Blank	3.58511	-.148065	09/12/95 09:29:53
Mg	279.078	STD2	STD1-Blank	5.35112	-1.26572	09/12/95 09:29:53
Mn	257.600	STD3	STD1-Blank	1.37339	-.027376	09/12/95 09:29:53
Mo	202.000	STD2	STD1-Blank	1.61943	-.129825	09/12/95 09:29:53
Na	588.900	STD2	STD1-Blank	42.2428	-1.73196	09/12/95 09:29:53
Nd	406.106	STD4	STD1-Blank	2.93719	-1.07775	09/12/95 09:29:53
Ni	231.600	STD2	STD1-Blank	3.24284	-.152630	09/12/95 09:29:53
P	214.900	STD3	STD1-Blank	6.96788	-.898160	09/12/95 09:29:
Pb	220.300	STD2	STD1-Blank	.833277	-1.12126	09/12/95 09:29:
Pd	360.959	STD9	STD1-Blank	2.49147	-3.79459	09/12/95 09:29:53
Rh	343.489	STD9	STD1-Blank	1.00884	-1.52778	09/12/95 09:29:53
Sb	206.838	STD5	STD1-Blank	2.70123	-.698177	09/12/95 09:29:53
Se	196.026	STD8	STD1-Blank	5.16347	-.798444	09/12/95 09:29:53
Si	288.100	STD7	STD1-Blank	2.55676	-1.00847	09/12/95 09:29:53
Sn	242.950	STD9	STD1-Blank	7.19001	-4.91629	09/12/95 09:29:53
Sr	421.500	STD2	STD1-Blank	1.16458	-.016304	09/12/95 09:29:53
Te	214.275	STD7	STD1-Blank	.899173	-.890391	09/12/95 09:29:53
Th	283.730	STD4	STD1-Blank	4.12546	-.968382	09/12/95 09:29:53
Ti	334.900	STD2	STD1-Blank	1.29165	-.083527	09/12/95 09:29:53
Tl	190.864	STD8	STD1-Blank	16.5609	-.575214	09/12/95 09:29:53
U	378.280	STD6	STD1-Blank	9.77029	-16.7902	09/12/95 09:29:53
V	292.402	STD5	STD1-Blank	1.58526	-.155039	09/12/95 09:29:53
W	224.875	STD9	STD1-Blank	15.1329	-.470128	09/12/95 09:29:53
Y	371.030	STD5	STD1-Blank	3.03555	-.077508	09/12/95 09:29:53
Zn	213.800	STD2	STD1-Blank	.666687	-.022423	09/12/95 09:29:53
Zr	339.100	STD2	STD1-Blank	1.89170	-.152787	09/12/95 09:29:53

Standardization Report Tue 09-12-95 09:32:17 AM page 1

Method: ICP1 Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	STD8	STD1-Blank	3.02391	.216926	09/12/95 09:29:53
Al	308.215	STD3	STD1-Blank	.151200	1.37544	09/12/95 09:29:53
As	193.600	STD5	STD1-Blank	.277813	.597164	09/12/95 09:29:53
B	249.600	STD3	STD1-Blank	1.03288	.102045	09/12/95 09:29:53
Ba	493.400	STD2	STD1-Blank	.835790	.036373	09/12/95 09:29:53
Be	313.042	STD7	STD1-Blank	1.91107	.009000	09/12/95 09:29:53
Bi	223.061	STD8	STD1-Blank	.276177	.514164	09/12/95 09:29:53
Ca	317.900	STD3	STD1-Blank	.323897	.386851	09/12/95 09:29:53
Cd	228.800	STD3	STD1-Blank	1.01500	.044532	09/12/95 09:29:53
Ce	418.659	STD5	STD1-Blank	.502543	1.24693	09/12/95 09:29:53
Co	228.600	STD2	STD1-Blank	.896832	.157629	09/12/95 09:29:53
Cr	205.500	STD2	STD1-Blank	.655563	.071897	09/12/95 09:29:53
Cu	324.700	STD2	STD1-Blank	.231848	.201281	09/12/95 09:29:53
Dy	353.170	STD4	STD1-Blank	1.00781	.192134	09/12/95 09:29:53
Eu	381.900	STD4	STD1-Blank	.580893	.057899	09/12/95 09:29:53
Fe	259.900	STD2	STD1-Blank	.384037	.146427	09/12/95 09:29:53
K	766.500	STD3	STD1-Blank	.005913	36.5441	09/12/95 09:29:53
La	398.852	STD4	STD1-Blank	.315058	.312852	09/12/95 09:29:53
Li	670.700	STD3	STD1-Blank	.278931	.148065	09/12/95 09:29:53
Mg	279.078	STD2	STD1-Blank	.186877	1.26572	09/12/95 09:29:53
Mn	257.600	STD3	STD1-Blank	.728123	.027376	09/12/95 09:29:53
Mo	202.000	STD2	STD1-Blank	.617500	.129825	09/12/95 09:29:53
Na	588.900	STD2	STD1-Blank	.023673	1.73196	09/12/95 09:29:53
Nd	406.106	STD4	STD1-Blank	.340461	1.07775	09/12/95 09:29:53
Ni	231.600	STD2	STD1-Blank	.308372	.152630	09/12/95 09:29:53
P	214.900	STD3	STD1-Blank	.143516	.898160	09/12/95 09:29:53
Pb	220.300	STD2	STD1-Blank	1.20008	1.12126	09/12/95 09:29:53
Pd	360.959	STD9	STD1-Blank	.401369	3.79459	09/12/95 09:29:53
Rh	343.489	STD9	STD1-Blank	.991239	1.52778	09/12/95 09:29:53
Sb	206.838	STD5	STD1-Blank	.370202	.698177	09/12/95 09:29:53
Se	196.026	STD8	STD1-Blank	.193668	.798444	09/12/95 09:29:53
Si	288.100	STD7	STD1-Blank	.391120	1.00847	09/12/95 09:29:53
Sn	242.950	STD9	STD1-Blank	.139082	4.91629	09/12/95 09:29:53
Sr	421.500	STD2	STD1-Blank	.858680	.016304	09/12/95 09:29:53
Te	214.275	STD7	STD1-Blank	1.11213	.890391	09/12/95 09:29:53
Th	283.730	STD4	STD1-Blank	.242397	.968382	09/12/95 09:29:53
Ti	334.900	STD2	STD1-Blank	.774202	.083527	09/12/95 09:29:53
Tl	190.864	STD8	STD1-Blank	.060383	.575214	09/12/95 09:29:53
U	378.280	STD6	STD1-Blank	.102351	16.7902	09/12/95 09:29:53
V	292.402	STD5	STD1-Blank	.630810	.155039	09/12/95 09:29:53
W	224.875	STD9	STD1-Blank	.066081	.470128	09/12/95 09:29:53
Y	371.030	STD5	STD1-Blank	.329430	.077508	09/12/95 09:29:53
Zn	213.800	STD2	STD1-Blank	1.49995	.022423	09/12/95 09:29:53
Zr	339.100	STD2	STD1-Blank	.528624	.152787	09/12/95 09:29:53

Standardization Readback Report Tue 09-12-95 09:32:42 AM page

Method: ICP1

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	STD1-Blank	.000000	.000000	-.000000
		STD8	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al	308.215	STD1-Blank	.000000	.000000	-.000000
		STD3	500.000	500.000	.000031

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As	193.600	STD1-Blank	.000000	-.000000	.000000
		STD5	100.000	100.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B	249.600	STD1-Blank	.000000	.000000	-.000000
		STD3	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	STD1-Blank	.000000	-.000000	.000000
		STD2	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	STD1-Blank	.000000	-.000000	.000000
		STD7	1.00000	1.00000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	STD1-Blank	.000000	.000000	-.000000
		STD8	100.000	100.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	STD1-Blank	.000000	.000000	-.000000
		STD3	250.000	250.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	STD1-Blank	.000000	-.000000	.000000
		STD3	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	STD1-Blank	.000000	-.000000	.000000
		STD5	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000

Standardization Readback Report Tue 09-12-95 09:32:42 AM page 2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	-.000002

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	STD1-Blank	.000000	.000000	-.000000
		STD4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	STD1-Blank	.000000	.000000	-.000000
		STD4	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	STD1-Blank	.000000	-.000000	.000000
		STD2	200.000	200.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	STD1-Blank	.000000	-.000002	.000002
		STD3	500.000	500.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	STD1-Blank	.000000	.000000	-.000000
		STD4	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	STD1-Blank	.000000	.000000	-.000000
		STD3	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	STD1-Blank	.000000	-.000000	.000000
		STD2	250.000	250.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	STD1-Blank	.000000	-.000000	.000000
		STD3	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	STD1-Blank	.000000	-.000000	.000000
		STD2	250.000	250.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	STD1-Blank	.000000	-.000000	.000000
		STD4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	STD1-Blank	.000000	.000000	-.000000
		STD3	100.000	100.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	STD1-Blank	.000000	-.000000	.000000
		STD2	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	50.0000	-.000004

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	50.0000	.000004

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb	206.838	STD1-Blank	.000000	-.000000	.000000
		STD5	100.000	100.000	-.000008

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se	196.026	STD1-Blank	.000000	-.000000	.000000
		STD8	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si	288.100	STD1-Blank	.000000	-.000000	.000000
		STD7	200.000	200.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn	242.950	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	57.4769	-7.47695

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	STD1-Blank	.000000	-.000000	.000000
		STD2	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te	214.275	STD1-Blank	.000000	.000000	-.000000
		STD7	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th	283.730	STD1-Blank	.000000	.000000	-.000000
		STD4	50.0000	50.0000	.000004

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti	334.900	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl	190.864	STD1-Blank	.000000	.000000	-.000000
		STD8	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U	378.280	STD1-Blank	.000000	-.000000	.000000
		STD6	500.000	500.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	STD1-Blank	.000000	.000000	-.000000
		STD5	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W	224.875	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	50.6669	-.666901

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	STD1-Blank	.000000	.000000	-.000000
		STD5	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	STD1-Blank	.000000	-.000000	.000000
		STD2	50.0000	50.0000	.000000

Analysis Report Tue 09-12-95 09:41:09 AM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 09:39:50
Comment: (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0033	.0075	.0080	.0002	.0000	.0030
SDev	.0002	.0015	.0019	.0011	.0001	.0000	.0033
%RSD	35.36	46.32	24.76	14.05	34.67	51.29	111.2
#1	-.0006	.0034	.0054	.0082	.0002	.0000	.0065
#2	-.0009	.0048	.0089	.0068	.0002	.0000	-.0001
#3	-.0005	.0018	.0083	.0091	.0001	.0000	.0025

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	-.0011	-.0006	.0005	.0018	.0003	-.0009
SDev	.0011	.0014	.0041	.0004	.0008	.0010	.0004
%RSD	176.6	130.1	671.4	92.48	41.02	404.8	43.80
#1	-.0002	-.0027	.0039	.0005	.0015	.0002	-.0009
#2	.0018	-.0001	-.0014	.0000	.0013	.0013	-.0005
#3	.0003	-.0005	-.0043	.0009	.0027	-.0008	-.0012

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0010	-.1184	-.0004	.0012	-.0027	-.0005
SDev	.0002	.0002	.0338	.0003	.0008	.0044	.0002
%RSD	14810.	16.91	28.57	72.67	69.28	163.0	52.40
#1	.0001	-.0008	-.1184	-.0008	.0007	.0023	-.0003
#2	.0001	-.0009	-.0846	-.0003	.0022	-.0047	-.0003
#3	-.0002	-.0012	-.1522	-.0002	.0007	-.0058	-.0007

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0085	-.0018	.0011	.0112	-.0047	.0094
SDev	.0006	.0084	.0018	.0017	.0140	.0092	.0036
%RSD	134.8	99.83	101.3	159.7	125.8	197.0	38.63
#1	-.0001	.0085	-.0003	.0004	-.0019	.0052	.0120
#2	.0012	.0169	-.0012	.0030	.0260	-.0063	.0110
#3	.0004	.0000	-.0038	-.0002	.0093	-.0129	.0053

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0031	-.0017	.1967	-.0184	.0003	.0048
SDev	.0016	.0084	.0067	.0079	.0065	.0001	.0032
%RSD	61.04	275.2	390.4	4.034	35.36	21.92	66.00
#1	.0034	.0042	-.0058	.2050	-.0222	.0004	.0068
#2	.0038	.0109	-.0054	.1960	-.0109	.0003	.0012
#3	.0008	-.0059	.0060	.1891	-.0221	.0002	.0064

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	-.0001	.0065	.0187	-.0008	-.0086	-.0002
SDev	.0026	.0001	.0029	.0272	.0003	.0026	.0002

%RSD	83.50	58.09	45.23	145.9	37.62	30.76	88.98
#1	-.0012	-.0001	.0081	-.0122	-.0006	-.0071	-.0001
#2	-.0020	-.0001	.0083	.0394	-.0012	-.0117	-.0004
#3	-.0061	-.0002	.0031	.0287	-.0007	-.0071	-.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0002	-.0009
SDev	.0004	.0001
%RSD	224.1	13.55
#1	-.0002	-.0008
#2	.0002	-.0010
#3	.0006	-.0010

Analysis Report QC Standard Tue 09-12-95 09:44:21 AM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/12/95 09:43:02
Comment: DRAINABLE LIQUIDS (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4884	24.98	2.595	1.996	.5074	.0947	24.71
SDev	.0031	.21	.019	.025	.0055	.0008	.17
%RSD	.6345	.8228	.7421	1.254	1.088	.8283	.6804
#1	.4886	25.06	2.585	2.010	.5093	.0949	24.76
#2	.4914	25.14	2.617	2.011	.5117	.0954	24.85
#3	.4852	24.75	2.583	1.967	.5011	.0939	24.53
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.09	.5044	-.0270	1.027	1.027	.9978	-.0004
SDev	.13	.0070	.0130	.008	.002	.0080	.0008
%RSD	.5289	1.383	48.31	.7682	.2158	.8072	208.8
#1	25.11	.4989	-.0336	1.027	1.026	.9992	-.0009
#2	25.21	.5123	-.0355	1.035	1.026	1.005	-.0008
#3	24.95	.5022	-.0120	1.020	1.030	.9892	.0005
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	20.44	25.95	.0039	1.940	26.53	.5131
SDev	.0003	.16	.33	.0015	.013	.17	.0044
%RSD	15.80	.7791	1.264	37.67	.6843	.6338	.8664
#1	.0018	20.47	26.11	.0033	1.952	26.55	.5146
#2	.0020	20.58	25.57	.0028	1.943	26.68	.5166
#3	.0024	20.27	26.16	.0055	1.926	26.35	.5081
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.030	24.93	.0084	1.051	.0473	2.619	-.0132
SDev	.004	.18	.0032	.011	.0261	.008	.0246
%RSD	.3502	.7390	37.54	1.080	55.02	.3020	186.7
#1	1.029	25.13	.0085	1.046	.0687	2.615	-.0179
#2	1.034	24.89	.0052	1.064	.0183	2.628	-.0350
#3	1.027	24.77	.0116	1.043	.0550	2.613	.0134
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	2.557	2.508	19.33	-.0757	.5124	-.0014
SDev	.0099	.021	.013	.13	.0276	.0050	.0043
%RSD	9812.	.8118	.5335	.6541	36.42	.9682	309.8
#1	-.0060	2.544	2.509	19.37	-.0955	.5141	.0031
#2	-.0056	2.581	2.520	19.44	-.0875	.5162	-.0055
#3	.0113	2.547	2.494	19.19	-.0442	.5068	-.0018
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0447	.9961	2.522	.0340	.9930	.0245	-.0001
SDev	.0002	.0089	.032	.0922	.0074	.0038	.0003
%RSD	.4027	.8914	1.255	271.6	.7493	15.42	359.6
#1	.0446	.9992	2.517	.0386	.9941	.0210	-.0003
#2	.0445	1.003	2.555	-.0605	.9998	.0285	-.0002
#3	.0449	.9861	2.492	.1237	.9850	.0239	.0003
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.008	2.041
SDev	.003	.019
%RSD	.2671	.9083
#1	1.011	2.044
#2	1.007	2.057
#3	1.006	2.021
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Tue 09-12-95 09:48:12 AM page 1

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/12/95 09:46:53
Comment: DRAINABLE LIQUIDS (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

U,W-VAA-Q.C
PASS
AKS 9/12/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	-.1766	.0196	.0076	.0008	.0003	.0163
SDev	.0018	.0113	.0122	.0010	.0004	.0000	.0040
%RSD	143.8	6.398	61.96	12.79	48.93	12.72	24.52
#1	-.0007	-.1896	.0056	.0066	.0004	.0002	.0117
#2	.0017	-.1712	.0265	.0085	.0010	.0003	.0183
#3	.0027	-.1690	.0268	.0077	.0011	.0003	.0190
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0256	-.0003	1.947	.0040	.0016	.0030	1.929
SDev	.0032	.0014	.022	.0025	.0021	.0011	.037
%RSD	12.43	511.5	1.114	62.24	132.1	36.42	1.935
#1	.0219	-.0001	1.972	.0011	.0003	.0018	1.971
#2	.0275	-.0018	1.937	.0054	.0004	.0040	1.911
#3	.0273	.0010	1.931	.0054	.0041	.0032	1.904
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.920	.0063	.2818	1.925	.0029	.0848	.0001
SDev	.036	.0011	.4542	.024	.0013	.0019	.0004
%RSD	1.869	17.74	161.1	1.259	44.89	2.202	263.2
#1	1.961	.0051	-.2368	1.953	.0014	.0827	-.0003
#2	1.903	.0072	.4735	1.915	.0032	.0863	.0003
#3	1.896	.0067	.6088	1.907	.0040	.0853	.0004
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0245	1.912	.0080	.0059	.0564	2.010
SDev	.0012	.0202	.028	.0020	.0112	.0095	.008
%RSD	40.56	82.27	1.473	24.59	188.4	16.92	.4174
#1	.0016	.0017	1.943	.0063	-.0054	.0455	2.011
#2	.0036	.0317	1.904	.0076	.0063	.0629	2.001
#3	.0037	.0402	1.889	.0102	.0169	.0609	2.018
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000

Analysis Report QC Standard Tue 09-12-95 09:48:12 AM page 2

Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.966	.0173	.0174	.1554	2.051	.0006	1.814
SDev	.023	.0020	.0105	.0081	.025	.0002	.015
%RSD	1.150	11.33	60.39	5.218	1.208	28.51	.8006
#1	1.992	.0164	.0077	.1466	2.022	.0004	1.831
#2	1.958	.0159	.0159	.1572	2.067	.0007	1.804
#3	1.949	.0195	.0286	.1625	2.063	.0008	1.807
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	2.000				2.000		2.000
Range	10.00				10.00		10.00

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.941	.0012	.0169	Q8.603	-.0004	Q.4948	.9554
SDev	.066	.0007	.0089	.009	.0013	.0120	.0127
%RSD	1.344	61.98	52.85	.1022	348.7	2.420	1.329
#1	5.017	.0003	.0216	Q8.594	-.0018	Q.4990	.9700
#2	4.908	.0015	.0226	Q8.605	.0001	Q.4812	.9490
#3	4.897	.0016	.0066	Q8.611	.0006	Q.5040	.9472
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	QC Pass
Value	5.000			10.00		2.000	1.000
Range	10.00			10.00		10.00	10.00

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0016	-.0069
SDev	.0006	.0010
%RSD	35.94	14.83
#1	.0010	-.0078
#2	.0021	-.0058
#3	.0016	-.0071
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Tue 09-12-95 09:52:11 AM page

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/12/95 09:50:51
Comment: DRAINABLE LIQUIDS (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.1120	Q.0914	Q.1155	.0482	.0218	.0293
SDev	.0003	.0018	.0055	.0029	.0000	.0000	.0022
%RSD	15.06	1.582	6.041	2.549	.0032	.1677	7.563
#1	.0024	.1136	Q.0883	Q.1123	.0482	.0218	.0319
#2	.0019	.1101	Q.0978	.1181	.0482	.0218	.0278
#3	Q.0026	.1123	Q.0882	Q.1163	.0482	.0217	.0283
Errors	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass	NOCHECK
Value	.0022	.1146	.0821	.1190	.0496	.0232	
Range	13.60	4.500	1.500	1.200	6.250	9.500	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q35.05	Q.0104	.0096	Q.0258	Q.0204	.0209	-.0001
SDev	.02	.0013	.0046	.0005	.0010	.0005	.0002
%RSD	.0492	12.39	47.15	1.796	5.002	2.457	184.7
#1	Q35.05	.0115	.0067	Q.0261	Q.0200	.0214	.0000
#2	Q35.07	Q.0109	.0073	Q.0260	Q.0216	.0204	.0000
#3	Q35.04	Q.0090	.0149	Q.0252	Q.0198	.0211	-.0003
Errors	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Pass	NOCHECK
Value	36.80	.0122		.0235	.0190	.0223	
Range	3.800	8.200		3.400	3.200	12.60	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	Q.1190	2.227	.0072	Q.0129	9.716	.0344
SDev	.0001	.0006	.068	.0014	.0002	.015	.0003
%RSD	5.821	.5048	3.069	18.61	1.611	.1562	.7720
#1	.0012	Q.1194	2.165	.0061	Q.0126	Q9.723	.0342
#2	.0013	Q.1183	2.215	.0069	Q.0130	9.698	.0347
#3	.0013	Q.1193	2.300	.0087	Q.0130	Q9.726	.0344
Errors	NOCHECK	QC Fail	QC Pass	NOCHECK	QC Fail	QC Pass	QC Pass
Value		.1069	2.300		.0165	9.450	.0351
Range		2.800	10.00		6.100	2.850	6.300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1052	Q11.04	.0140	.0612	.0250	.0351	.0236
SDev	.0011	.04	.0033	.0033	.0033	.0030	.0109
%RSD	1.090	.3339	23.19	5.398	13.21	8.664	46.33
#1	.1057	Q11.06	.0115	.0604	.0228	Q.0329	.0128
#2	.1060	Q11.07	.0177	.0584	.0287	Q.0338	.0233
#3	.1039	Q11.00	.0129	.0649	.0233	Q.0386	.0347
Errors	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	.1043	12.19		.0606		.0353	

Analysis Report QC Standard Tue 09-12-95 09:52:11 AM page 2

Range	1.800	2.950		12.00		2.500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0093	.0057	Q.0202	.0877	.0051	Q.2542	.0067
SDev	.0005	.0064	.0023	.0031	.0078	.0003	.0023
%RSD	5.380	111.8	11.15	3.539	152.7	.1062	33.66
#1	.0093	.0035	Q.0189	.0905	-.0016	Q.2541	.0044
#2	.0098	.0130	Q.0228	.0882	.0137	Q.2546	.0089
#3	.0088	.0008	Q.0189	.0844	.0032	Q.2541	.0069
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value			.0127			.2636	
Range			5.500			1.000	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0058	.0081	Q.0196	.3037	Q.0282	.0006	-.0012
SDev	.0037	.0001	.0031	.0618	.0004	.0106	.0002
%RSD	63.02	1.898	16.00	20.34	1.313	1658.	14.34
#1	-.0044	.0082	Q.0230	.2466	Q.0285	-.0094	-.0011
#2	-.0031	.0079	Q.0191	.2952	Q.0278	-.0003	-.0014
#3	-.0100	.0081	Q.0168	.3693	Q.0283	.0116	-.0012
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK	NOCHECK
Value			.0079		.0314		
Range			63.30		8.900		

Elem	Zn	Zr
Units	ppm	ppm
Avge	Q.0844	.0002
SDev	.0008	.0003
%RSD	.8931	122.2
#1	Q.0836	.0000
#2	Q.0843	.0001
#3	Q.0851	.0005
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Tue 09-12-95 09:56:19 AM page

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/12/95 09:55:00
Comment: (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	1.913	2.013	1.951	.9987	.9769	1.936
SDev	.0006	.003	.017	.010	.0043	.0034	.022
%RSD	92.64	.1578	.8270	.5335	.4324	.3454	1.114
#1	-.0004	1.914	2.028	1.951	1.002	.9795	1.940
#2	-.0012	1.915	1.996	1.961	1.000	.9781	1.956
#3	-.0002	1.909	2.016	1.940	.9938	.9731	1.913

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.943	.9893	.0022	1.036	.5165	2.014	-.0008
SDev	.003	.0053	.0036	.003	.0037	.010	.0009
%RSD	.1712	.5333	161.2	.2851	.7152	.4888	118.3
#1	1.946	.9847	.0017	1.039	.5194	2.015	-.0009
#2	1.941	.9951	-.0011	1.034	.5123	2.024	-.0017
#3	1.940	.9882	.0061	1.035	.5179	2.004	.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	2.016	4.814	.0006	1.943	2.092	1.021
SDev	.0000	.005	.122	.0015	.006	.010	.003
%RSD	4.745	.2452	2.541	239.1	.2863	.4840	.2583
#1	.0004	2.020	4.752	.0004	1.949	2.097	1.023
#2	.0005	2.016	4.735	-.0007	1.944	2.099	1.022
#3	.0004	2.011	4.955	.0023	1.938	2.080	1.018

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.998	8.015	-.0007	2.091	4.734	2.058	.0077
SDev	.009	.026	.0005	.007	.031	.016	.0111
%RSD	.4337	.3200	75.55	.3175	.6645	.7637	143.1
#1	2.005	8.045	-.0008	2.090	4.724	2.065	.0063
#2	2.002	7.998	-.0012	2.099	4.770	2.040	-.0025
#3	1.989	8.003	-.0001	2.086	4.710	2.069	.0194

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0018	1.938	5.045	-.0102	2.021	-.0142
SDev	.0040	.0026	.012	.008	.0208	.007	.0014
%RSD	466.5	144.2	.6042	.1635	202.9	.3652	10.14
#1	-.0030	.0005	1.938	5.055	-.0169	2.026	-.0143
#2	-.0033	.0048	1.950	5.041	-.0268	2.025	-.0127
#3	.0038	.0001	1.927	5.040	.0130	2.013	-.0156

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0067	.0003	1.939	.0056	.9611	.0092	-.0002
SDev	.0104	.0002	.016	.0560	.0025	.0102	.0003

%RSD	156.0	85.17	.8239	995.1	.2598	109.8	139.7
#1	-.0048	.0003	1.958	.0470	.9620	-.0019	-.0005
#2	.0154	.0000	1.934	-.0581	.9629	.0180	-.0002
#3	.0094	.0005	1.927	.0280	.9582	.0117	.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.018	-.0018
SDev	.003	.0010
%RSD	.3025	53.14
#1	1.014	-.0008
#2	1.020	-.0028
#3	1.020	-.0019

Analysis Report Tue 09-12-95 10:02:04 AM page

Method: ICP1 Sample Name: SST-ICS-0 9509081100 Operator: DRS
Run Time: 09/12/95 10:00:45
Comment: (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0074	97.39	.1145	.0038	.0004	.0007	.0562
SDev	.0013	.50	.0053	.0011	.0002	.0000	.0056
%RSD	17.23	.5126	4.618	29.87	43.88	2.547	10.03
#1	-.0075	97.57	.1110	.0033	.0002	.0007	.0519
#2	-.0061	96.83	.1206	.0030	.0006	.0007	.0626
#3	-.0086	97.78	.1119	.0051	.0005	.0007	.0542

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0752	.0087	-.1271	.0062	.0357	-.0069	-.0039
SDev	.0011	.0011	.0054	.0006	.0014	.0007	.0006
%RSD	1.479	12.53	4.247	10.09	3.805	9.633	15.34
#1	.0754	.0086	-.1287	.0069	.0346	-.0076	-.0045
#2	.0763	.0077	-.1211	.0058	.0372	-.0064	-.0033
#3	.0741	.0099	-.1315	.0059	.0353	-.0066	-.0039

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	19.91	.0000	.0045	.0037	.2662	.0014
SDev	.0003	.09	.1172	.0007	.0002	.0159	.0001
%RSD	49.95	.4657	168e6	14.87	5.679	5.984	10.86
#1	.0004	19.94	-.0676	.0038	.0036	.2652	.0015
#2	.0010	19.81	.1353	.0050	.0036	.2827	.0014
#3	.0005	19.99	-.0676	.0048	.0039	.2509	.0012

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0099	.0010	-.0231	51.64	.0235	.1964	-.3452
SDev	.0002	.0175	.0065	.24	.0107	.0037	.0136
%RSD	1.626	1711.	28.26	.4655	45.71	1.892	3.951
#1	.0100	-.0145	-.0287	51.67	.0261	.2005	-.3502
#2	.0101	.0200	-.0160	51.39	.0327	.1956	-.3297
#3	.0098	-.0025	-.0246	51.87	.0117	.1932	-.3556

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0318	.0022	.0241	.0647	.0473	.0002	.0029
SDev	.0035	.0063	.0098	.0085	.0137	.0001	.0040
%RSD	10.87	290.0	40.55	13.09	29.01	28.37	137.7
#1	-.0355	.0024	.0305	.0698	.0315	.0002	-.0016
#2	-.0286	.0084	.0291	.0694	.0549	.0003	.0061
#3	-.0315	-.0042	.0129	.0549	.0555	.0003	.0041

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6596	.0013	.2185	49.87	.0021	.0531	.0032
SDev	.0066	.0004	.0029	.39	.0009	.0069	.0004

%RSD	1.003	28.09	1.336	.7870	41.05	13.06	11.51
#1	.6646	.0014	.2189	49.82	.0023	.0462	.0034
#2	.6621	.0016	.2154	49.50	.0029	.0600	.0035
#3	.6521	.0009	.2212	50.28	.0012	.0531	.0028

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0279	9.983
SDev	.0017	.058
%RSD	5.960	.5815
#1	-.0261	10.01
#2	-.0294	9.916
#3	-.0281	10.02

Analysis Report Tue 09-12-95 10:07:54 AM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 10:06:34
Comment: (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0062	.0105	.0036	.0002	-.0000	.0066
SDev	.0008	.0046	.0068	.0013	.0003	.0000	.0072
%RSD	120.6	74.54	64.16	37.20	137.6	685.9	109.4
#1	.0009	.0099	.0158	.0050	.0004	.0000	.0051
#2	-.0002	.0010	.0029	.0023	-.0001	-.0000	.0002
#3	.0012	.0076	.0129	.0034	.0004	-.0000	.0144

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	-.0009	.0029	.0018	-.0001	-.0008	.0003
SDev	.0021	.0010	.0090	.0008	.0017	.0009	.0009
%RSD	84.39	119.3	304.2	46.07	2708.	106.6	339.7
#1	.0047	-.0020	.0111	.0025	.0019	-.0007	.0011
#2	.0007	-.0003	-.0067	.0009	-.0011	.0000	-.0007
#3	.0020	-.0002	.0044	.0020	-.0010	-.0018	.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0010	-.0169	.0012	.0011	.0097	-.0003
SDev	.0004	.0004	.2325	.0021	.0009	.0080	.0003
%RSD	146.6	40.17	1375.	179.8	88.13	82.47	96.46
#1	.0005	.0010	.1860	.0026	.0014	.0153	-.0002
#2	-.0002	.0006	-.2706	-.0013	.0000	.0005	-.0007
#3	.0004	.0014	.0338	.0022	.0018	.0133	-.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0013	.0038	.0052	.0078	.0011	.0248
SDev	.0012	.0211	.0080	.0022	.0106	.0054	.0204
%RSD	104.6	1583.	210.1	41.66	136.6	511.3	82.25
#1	.0026	.0039	.0087	.0059	.0175	.0024	.0440
#2	.0004	-.0209	-.0054	.0028	-.0036	-.0049	.0035
#3	.0005	.0210	.0081	.0069	.0095	.0057	.0268

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0100	.0052	.0081	-.0006	.0195	.0005	.0071
SDev	.0083	.0034	.0111	.0052	.0188	.0001	.0056
%RSD	82.91	64.71	137.9	898.3	96.47	22.59	79.06
#1	.0145	.0026	.0121	.0014	.0316	.0006	.0135
#2	.0004	.0090	-.0045	-.0064	-.0022	.0004	.0031
#3	.0150	.0040	.0166	.0033	.0291	.0005	.0047

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0001	.0044	.0388	.0002	-.0012	.0002
SDev	.0022	.0004	.0069	.1338	.0007	.0096	.0005

%RSD	16680.	762.4	157.2	345.0	283.8	779.6	297.2
#1	-.0024	.0004	.0120	.1618	.0010	.0076	.0007
#2	.0004	-.0004	-.0014	-.1037	-.0003	-.0115	-.0003
#3	.0019	.0001	.0026	.0583	.0000	.0002	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0000	.0004
SDev	.0006	.0014
%RSD	3064.	347.3
#1	-.0005	.0018
#2	-.0002	-.0010
#3	.0007	.0004

Analysis Report Tue 09-12-95 10:11:13 AM page

Method: ICP1 Sample Name: 95-007932-A3 @2 Operator: DRS
Run Time: 09/12/95 10:09:53
Comment: DRAINABLE LIQUIDS METHOD BLANK @2XDIL(ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0717	.0139	.8091	.0014	-.0000	.0003
SDev	.0004	.0049	.0064	.0057	.0001	.0000	.0037
%RSD	118.8	6.865	46.12	.7045	5.034	196.0	1124.
#1	-.0001	.0771	.0067	.8066	.0013	.0000	.0044
#2	-.0001	.0702	.0188	.8050	.0014	-.0000	-.0030
#3	-.0007	.0676	.0161	.8156	.0013	-.0000	-.0004

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0397	-.0002	-.0038	.0014	.0001	.0026	-.0007
SDev	.0008	.0012	.0061	.0009	.0018	.0014	.0003
%RSD	1.901	617.1	160.0	62.66	1814.	54.13	41.53
#1	.0400	.0011	-.0038	.0024	-.0005	.0033	-.0008
#2	.0404	-.0005	.0023	.0014	-.0013	.0035	-.0004
#3	.0389	-.0012	-.0099	.0006	.0021	.0010	-.0009

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0130	-.2086	-.0009	.0002	.0053	-.0001
SDev	.0002	.0007	.1356	.0011	.0009	.0034	.0004
%RSD	2695.	5.373	65.03	124.8	384.3	65.02	371.8
#1	.0001	.0138	-.2198	-.0011	-.0007	.0079	.0002
#2	.0001	.0129	-.0676	.0003	.0011	.0066	-.0001
#3	-.0002	.0124	-.3382	-.0018	.0004	.0014	-.0005

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.9940	-.0033	.0106	.0116	-.0011	.0053
SDev	.0015	.0136	.0038	.0015	.0114	.0021	.0113
%RSD	146.0	1.368	116.0	14.01	98.18	187.5	215.6
#1	-.0001	.9884	.0010	.0089	.0053	.0008	.0113
#2	.0028	.9841	-.0044	.0114	.0248	-.0008	.0123
#3	.0005	1.010	-.0063	.0114	.0048	-.0034	-.0078

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.0129	.0018	1.012	-.0021	.0004	.0018
SDev	.0042	.0066	.0106	.009	.0040	.0001	.0022
%RSD	202.5	51.08	577.5	.8706	191.9	15.86	122.5
#1	.0060	.0053	-.0071	1.005	-.0025	.0005	-.0004
#2	.0026	.0166	.0134	1.009	.0021	.0005	.0040
#3	-.0023	.0168	-.0008	1.022	-.0059	.0003	.0018

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0044	.0014	.0133	.0085	-.0006	-.0020	-.0005
SDev	.0042	.0003	.0038	.0367	.0004	.0038	.0002

%RSD	95.69	20.55	28.36	432.8	72.66	184.2	34.48
#1	-.0093	.0016	.0110	-.0325	-.0001	.0020	-.0004
#2	-.0020	.0014	.0177	.0384	-.0009	-.0026	-.0004
#3	-.0020	.0011	.0113	.0196	-.0008	-.0055	-.0007

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0051	.0009
SDev	.0012	.0006
%RSD	23.85	59.67
#1	.0061	.0015
#2	.0054	.0009
#3	.0037	.0004

Analysis Report Tue 09-12-95 10:15:00 AM page 1

Method: ICP1 Sample Name: 95-007932-A3 Operator: DRS
Run Time: 09/12/95 10:13:41
Comment: DRAINABLE LIQUIDS METHOD BLANK (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.1267	.0087	1.584	.0019	-.0001	-.0012
SDev	.0010	.0035	.0018	.013	.0001	.0000	.0057
%RSD	83.15	2.745	20.97	.8146	3.589	25.72	473.4
#1	-.0010	.1303	.0085	1.576	.0019	-.0001	.0048
#2	-.0023	.1233	.0107	1.599	.0018	-.0001	-.0067
#3	-.0003	.1266	.0070	1.577	.0019	-.0001	-.0018

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0126	-.0013	-.0106	.0005	.0016	-.0020	-.0026
SDev	.0017	.0007	.0020	.0015	.0006	.0016	.0008
%RSD	13.75	55.46	19.39	323.3	35.57	80.15	28.88
#1	.0127	-.0008	-.0103	.0007	.0023	-.0002	-.0027
#2	.0108	-.0021	-.0127	-.0012	.0012	-.0030	-.0034
#3	.0142	-.0009	-.0087	.0019	.0014	-.0028	-.0018

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0194	-.6821	-.0029	.0001	.0060	-.0003
SDev	.0002	.0005	.1280	.0013	.0013	.0102	.0001
%RSD	29.45	2.476	18.77	43.84	1056.	169.7	42.29
#1	-.0005	.0192	-.5919	-.0023	-.0000	.0176	-.0003
#2	-.0008	.0191	-.8286	-.0044	-.0011	-.0016	-.0005
#3	-.0005	.0200	-.6257	-.0021	.0014	.0020	-.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	1.918	-.0150	.0176	.0059	.0003	-.0267
SDev	.0009	.011	.0067	.0014	.0118	.0037	.0175
%RSD	100.7	.5850	44.53	7.712	198.1	1244.	65.66
#1	.0002	1.927	-.0128	.0161	.0082	-.0002	-.0208
#2	.0019	1.922	-.0225	.0187	.0164	-.0031	-.0463
#3	.0005	1.905	-.0097	.0180	-.0068	.0042	-.0128

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0169	.0099	-.0022	1.995	-.0360	.0004	.0030
SDev	.0046	.0081	.0033	.008	.0198	.0000	.0044
%RSD	27.29	82.10	151.6	.4073	55.04	1.133	147.9
#1	-.0130	.0072	-.0057	1.986	-.0132	.0004	.0039
#2	-.0220	.0034	.0008	2.001	-.0454	.0004	-.0018
#3	-.0157	.0190	-.0016	1.996	-.0493	.0004	.0068

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0020	.0083	-.2183	-.0014	-.0040	-.0010
SDev	.0038	.0002	.0030	.0410	.0006	.0046	.0001

%RSD	232.4	8.139	35.90	18.78	41.81	116.5	15.26
#1	.0057	.0020	.0064	-.2154	-.0013	.0010	-.0009
#2	-.0019	.0018	.0068	-.2607	-.0020	-.0048	-.0011
#3	.0011	.0021	.0118	-.1789	-.0008	-.0081	-.0009

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0085	-.0005
SDev	.0007	.0006
%RSD	8.549	109.6
#1	.0081	-.0009
#2	.0094	-.0009
#3	.0081	.0001

Analysis Report Tue 09-12-95 10:21:03 AM page

Method: ICP1 Sample Name: 95-007932-A4 @2 Operator: DRS
Run Time: 09/12/95 10:19:44
Comment: MATRIX SPIKE @2X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0122	S5289.	k-47.70	k1.747	k.0036	k.0114	k.1827
SDev	.0001	.	.08	.013	.0001	.0001	.0067
%RSD	.6496	.0000	.1681	.7688	3.796	.5460	3.671
#1	k.0121	S5289.	k-47.68	k1.753	k.0035	k.0114	k.1857
#2	k.0122	S5289.	k-47.63	k1.756	k.0037	k.0115	k.1750
#3	k.0121	S5289.	k-47.78	k1.731	k.0037	k.0114	k.1874

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k2.359	k.5727	k.0279	k.3063	k10.79	k.1440	k.0019
SDev	.005	.0024	.0100	.0003	.04	.0008	.0008
%RSD	.2207	.4125	35.99	.1127	.3750	.5435	41.13
#1	k2.357	k.5706	k.0270	k.3066	k10.80	k.1446	k.0016
#2	k2.365	k.5722	k.0184	k.3064	k10.82	k.1443	k.0014
#3	k2.356	k.5753	k.0384	k.3059	k10.74	k.1431	k.0028

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.0027	k4.277	107.0	k.0176	k.0368	k.0546	k-.0386
SDev	.0001	.015	.5	.0011	.0002	.0031	.0001
%RSD	4.820	.3495	.4730	6.160	.5647	5.746	.2585
#1	k.0027	k4.278	107.4	k.0168	k.0370	k.0512	k-.0387
#2	k.0026	k4.292	107.3	k.0173	k.0367	k.0552	k-.0385
#3	k.0029	k4.262	106.5	k.0189	k.0367	k.0573	k-.0387

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k-1.459	4922.	k.0189	k13.21	k2.471	k-3.722	k.0844
SDev	.007	27.	.0047	.04	.125	.035	.0127
%RSD	.4876	.5454	25.06	.2804	5.045	.9436	15.10
#1	k-1.460	4941.	k.0171	k13.22	k2.451	k-3.749	k.0788
#2	k-1.452	4932.	k.0154	k13.24	k2.605	k-3.682	k.0754
#3	k-1.466	4891.	k.0243	k13.17	k2.358	k-3.735	k.0990

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.1034	k-13.55	k-12.44	k7.240	k.7937	k.0093	k-5.873
SDev	.0076	.01	.02	.015	.0112	.0001	.017
%RSD	7.367	.0778	.1793	.2138	1.410	.6641	.2897
#1	k.1015	k-13.54	k-12.41	k7.230	k.7903	k.0093	k-5.889
#2	k.0969	k-13.54	k-12.44	k7.258	k.7847	k.0093	k-5.855
#3	k.1118	k-13.56	k-12.45	k7.233	k.8062	k.0094	k-5.875

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.1021	k.0026	k2.869	k8.547	k.0051	k2.349	k.0014
SDev	.0034	.0004	.026	.070	.0005	.013	.0004

%RSD	3.375	16.11	.8915	.8166	9.318	.5336	30.26
#1	k.1001	k.0023	k2.896	k8.554	k.0050	k2.341	k.0010
#2	k.1061	k.0024	k2.866	k8.475	k.0046	k2.343	k.0014
#3	k.1001	k.0031	k2.845	k8.614	k.0056	k2.364	k.0019

Elem	Zn	Zr
Units	ppm	ppm
Avge	k.2550	k.1988
SDev	.0014	.0009
%RSD	.5588	.4768
#1	k.2534	k.1978
#2	k.2562	k.1997
#3	k.2554	k.1989

Analysis Report

Tue 09-12-95 10:25:32 AM page

Method: ICP1 Sample Name: 95-007932-A4 @10 Operator: DRS
Run Time: 09/12/95 10:24:12
Comment: MATRIX SPIKE @10X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	284.9	.2380	.3768	.0013	.0025	.0408
SDev	.0018	3.0	.0130	.0045	.0002	.0000	.0091
%RSD	66.15	1.044	5.481	1.204	18.68	.6602	22.28
#1	.0008	287.7	.2239	.3815	.0010	.0024	.0303
#2	.0043	281.8	.2497	.3725	.0015	.0025	.0454
#3	.0031	285.3	.2404	.3762	.0013	.0025	.0467

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5924	.0238	.0156	.0690	2.376	.0266	.0006
SDev	.0041	.0015	.0120	.0006	.020	.0015	.0013
%RSD	.6879	6.490	77.07	.9251	.8328	5.662	215.4
#1	.5878	.0224	.0033	.0683	2.390	.0260	-.0007
#2	.5936	.0237	.0274	.0695	2.354	.0284	.0018
#3	.5957	.0255	.0161	.0692	2.386	.0256	.0007

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.9499	23.31	.0048	.0102	.0167	.0117
SDev	.0004	.0057	.20	.0019	.0007	.0058	.0004
%RSD	53.28	.6009	.8375	39.19	7.284	34.63	3.210
#1	.0003	.9533	23.54	.0032	.0096	.0104	.0113
#2	.0010	.9433	23.20	.0069	.0110	.0217	.0120
#3	.0007	.9531	23.20	.0042	.0100	.0181	.0117

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1141	1429.	.0058	2.948	3.718	1.217	.0367
SDev	.0010	20.	.0076	.022	.018	.015	.0290
%RSD	.8654	1.366	132.2	.7439	.4969	1.204	78.88
#1	.1131	1449.	-.0014	2.955	3.697	1.201	.0073
#2	.1151	1410.	.0138	2.923	3.732	1.223	.0653
#3	.1141	1429.	.0049	2.965	3.725	1.228	.0376

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0282	-.0364	-.0138	1.508	.1410	.0024	-.0447
SDev	.0115	.0075	.0090	.006	.0396	.0001	.0087
%RSD	40.96	20.65	64.81	.3899	28.12	2.461	19.41
#1	.0154	-.0451	-.0172	1.513	.1045	.0023	-.0547
#2	.0379	-.0316	-.0037	1.502	.1831	.0024	-.0400
#3	.0312	-.0327	-.0206	1.508	.1353	.0024	-.0394

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0166	.0005	.6071	1.964	.0006	.5232	.0003
SDev	.0037	.0005	.0048	.114	.0013	.0087	.0005

%RSD	21.94	84.14	.7942	5.799	201.7	1.669	156.1
#1	.0203	.0000	.6017	1.843	-.0006	.5150	-.0002
#2	.0130	.0009	.6086	2.069	.0019	.5324	.0009
#3	.0167	.0007	.6110	1.979	.0006	.5221	.0003

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0564	.0421
SDev	.0011	.0009
%RSD	1.924	2.254
#1	.0555	.0410
#2	.0576	.0426
#3	.0560	.0426

Analysis Report

Tue 09-12-95 10:31:10 AM page

Method: ICP1 Sample Name: 95-007932-A4 @50 Operator: DRS
Run Time: 09/12/95 10:29:51
Comment: MATRIX SPIKE @50X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0028	58.98	.0374	.0792	-.0001	.0004	.0062
SDev	.0006	.19	.0045	.0018	.0001	.0000	.0035
%RSD	19.47	.3175	12.10	2.222	84.35	.5780	57.12
#1	-.0022	58.91	.0394	.0795	-.0000	.0004	.0094
#2	-.0033	59.19	.0322	.0772	-.0001	.0004	.0068
#3	-.0029	58.83	.0405	.0807	-.0001	.0004	.0024

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0909	.0047	-.0202	.0130	.4970	-.0003	-.0029
SDev	.0006	.0005	.0023	.0006	.0011	.0004	.0000
%RSD	.6165	9.832	11.37	4.284	.2154	145.3	.7037
#1	.0915	.0052	-.0194	.0132	.4971	-.0002	-.0029
#2	.0908	.0046	-.0184	.0123	.4980	-.0008	-.0029
#3	.0904	.0043	-.0228	.0133	.4958	.0001	-.0029

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.1996	4.425	-.0042	.0001	-.0116	.0019
SDev	.0001	.0001	.052	.0003	.0008	.0036	.0002
%RSD	13.37	.0237	1.168	8.330	651.9	30.67	11.01
#1	-.0007	.1997	4.380	-.0043	.0004	-.0106	.0020
#2	-.0006	.1996	4.461	-.0038	.0007	-.0156	.0021
#3	-.0006	.1996	4.414	-.0044	-.0007	-.0087	.0017

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0218	319.8	-.0165	.6190	.7417	.2315	-.0258
SDev	.0011	1.8	.0012	.0031	.0321	.0039	.0013
%RSD	5.143	.5515	7.058	.5000	4.326	1.700	5.181
#1	.0226	319.2	-.0177	.6174	.7787	.2359	-.0243
#2	.0223	321.8	-.0165	.6226	.7231	.2284	-.0263
#3	.0205	318.4	-.0154	.6171	.7232	.2302	-.0268

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0149	-.0102	-.0182	.2896	-.0531	.0005	-.0284
SDev	.0016	.0034	.0010	.0046	.0121	.0001	.0028
%RSD	10.94	33.28	5.480	1.599	22.81	13.62	9.813
#1	-.0131	-.0139	-.0173	.2860	-.0394	.0005	-.0314
#2	-.0163	-.0097	-.0193	.2948	-.0625	.0006	-.0258
#3	-.0153	-.0071	-.0182	.2879	-.0573	.0004	-.0281

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0013	.1176	.1636	-.0024	.1015	-.0012
SDev	.0053	.0003	.0067	.0316	.0002	.0009	.0002

Analysis Report

Tue 09-12-95 10:31:10 AM

%RSD	4718.	20.47	5.725	19.32	6.668	.8740	15.41
#1	.0003	-.0013	.1215	.1297	-.0024	.1004	-.0010
#2	.0050	-.0010	.1098	.1686	-.0023	.1020	-.0014
#3	-.0056	-.0016	.1214	.1923	-.0026	.1019	-.0011

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0108	.0062
SDev	.0001	.0004
%RSD	1.201	6.350
#1	.0109	.0063
#2	.0109	.0057
#3	.0107	.0065

Analysis Report

Tue 09-12-95 10:35:07 AM page :

Method: ICP1 Sample Name: Na @500 PPM Operator: DRS
Run Time: 09/12/95 10:33:48
Comment: 950622I124 @10X DIL
Mode: CONC Corr. Factor: 1 (ACID DIGEST) K.SILVERS

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0461	.0061	.0868	.0001	-.0000	.0003
SDev	.0011	.0041	.0066	.0014	.0002	.0000	.0040
%RSD	126.9	8.810	107.7	1.648	194.6	58.93	1470.
#1	-.0016	.0445	-.0014	.0881	-.0001	-.0000	-.0043
#2	-.0015	.0430	.0108	.0853	.0001	-.0000	.0027
#3	.0004	.0507	.0088	.0871	.0004	-.0000	.0024

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3083	-.0008	.0262	.0004	.0008	-.0046	-.0006
SDev	.0005	.0005	.0077	.0009	.0016	.0011	.0008
%RSD	.1685	69.01	29.52	259.5	198.0	24.05	130.5
#1	.3087	-.0004	.0179	-.0003	-.0009	-.0058	-.0011
#2	.3077	-.0014	.0275	-.0000	.0022	-.0040	-.0012
#3	.3086	-.0006	.0332	.0015	.0012	-.0039	.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0029	-.2931	-.0004	.0016	.0042	-.0003
SDev	.0004	.0010	.2032	.0017	.0014	.0085	.0003
%RSD	3136.	34.76	69.31	400.5	82.92	205.3	81.90
#1	-.0003	.0017	-.4904	-.0011	.0010	-.0050	-.0007
#2	-.0002	.0036	-.3044	-.0017	.0007	.0057	-.0002
#3	.0004	.0032	-.0846	.0015	.0032	.0118	-.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	~~499.0~~	-.0069	-.0006	.0101	-.0065	-.0021
SDev	.0001	5.8	.0046	.0007	.0070	.0006	.0189
%RSD	19.37	1.169	66.16	112.2	69.60	9.380	908.9
#1	.0007	503.3	-.0119	-.0014	.0178	-.0058	-.0164
#2	.0007	501.2	-.0060	-.0002	.0085	-.0067	-.0091
#3	.0010	492.3	-.0028	-.0002	.0040	-.0070	.0193

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0037	.0194	-.0036	1.154	-.0161	.0042	-.0003
SDev	.0059	.0116	.0103	.004	.0362	.0001	.0076
%RSD	160.6	59.52	289.7	.3493	225.1	2.663	2260.
#1	-.0085	.0117	-.0153	1.155	-.0565	.0042	-.0002
#2	-.0054	.0327	.0004	1.158	-.0049	.0041	-.0080
#3	.0029	.0138	.0042	1.150	.0132	.0043	.0072

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	-.0001	.0085	-.0612	-.0010	-.0039	-.0004
SDev	.0013	.0004	.0077	.1167	.0008	.0018	.0005

Analysis Report Tue 09-12-95 10:35:07 AM page 2

%RSD	69.54	517.1	90.12	190.8	78.99	46.66	113.3
#1	-.0014	-.0003	-.0002	-.1773	-.0013	-.0021	-.0006
#2	-.0034	-.0003	.0113	-.0622	-.0015	-.0038	-.0007
#3	-.0009	.0004	.0145	.0561	-.0001	-.0057	.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0063	.0025
SDev	.0010	.0009
%RSD	15.51	33.93
#1	.0067	.0018
#2	.0070	.0023
#3	.0052	.0035

Analysis Report

Tue 09-12-95 10:41:13 AM page

Method: ICP1 Sample Name: 95-007932-A5 @50 Operator: DRS
Run Time: 09/12/95 10:39:53
Comment: SPIKE CONTROL @50X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0018	.1782	.0015	.0415	-.0000	-.0000	.0002
SDev	.0004	.0053	.0024	.0005	.0001	.0000	.0014
%RSD	20.13	2.976	155.6	1.169	145.8	87.92	612.8
#1	-.0019	.1747	-.0012	.0409	-.0000	-.0001	-.0013
#2	-.0014	.1843	.0027	.0418	-.0000	-.0000	.0013
#3	-.0021	.1755	.0031	.0417	-.0001	-.0000	.0007

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0555	.0039	.0089	.0003	.0280	-.0055	-.0012
SDev	.0001	.0005	.0052	.0006	.0020	.0008	.0004
%RSD	.2028	12.24	58.46	185.1	7.148	15.18	32.06
#1	.0556	.0037	.0127	.0008	.0297	-.0058	-.0010
#2	.0554	.0036	.0110	.0006	.0284	-.0045	-.0010
#3	.0556	.0045	.0030	-.0004	.0258	-.0060	-.0017

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0042	-.0113	-.0015	.0006	.0030	.0014
SDev	.0002	.0008	.0683	.0012	.0013	.0068	.0001
%RSD	100.6	18.34	606.2	80.18	213.3	227.0	6.881
#1	-.0003	.0038	.0000	-.0028	.0007	.0017	.0013
#2	.0000	.0036	.0507	-.0009	.0018	.0104	.0014
#3	-.0003	.0050	-.0846	-.0007	-.0007	-.0031	.0015

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.3514	-.0091	.0973	.0067	.0840	-.0122
SDev	.0002	.0089	.0009	.0011	.0187	.0060	.0037
%RSD	118.2	2.527	9.387	1.180	276.9	7.147	30.40
#1	-.0002	.3415	-.0094	.0985	-.0148	.0908	-.0097
#2	.0000	.3542	-.0081	.0969	.0186	.0818	-.0104
#3	-.0004	.3586	-.0098	.0963	.0164	.0794	-.0164

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0068	.0114	-.0063	.2264	-.0525	.0002	-.0064
SDev	.0033	.0095	.0097	.0027	.0111	.0001	.0034
%RSD	48.65	83.30	153.7	1.202	21.12	77.45	53.56
#1	-.0090	.0184	.0002	.2242	-.0521	.0001	-.0102
#2	-.0030	.0151	-.0016	.2295	-.0638	.0003	-.0055
#3	-.0084	.0006	-.0176	.2256	-.0417	.0001	-.0035

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	-.0004	.0058	.2803	-.0012	-.0027	-.0005
SDev	.0028	.0002	.0050	.0532	.0002	.0121	.0002

%RSD	463.0	42.91	86.46	18.99	14.04	452.1	34.56
#1	-.0033	-.0003	.0001	.3210	-.0011	.0094	-.0003
#2	-.0006	-.0003	.0097	.3000	-.0012	-.0149	-.0006
#3	.0022	-.0006	.0076	.2201	-.0014	-.0026	-.0005

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0006	.0073
SDev	.0006	.0003
%RSD	95.38	3.542
#1	-.0008	.0076
#2	.0000	.0072
#3	-.0011	.0071

Analysis Report Tue 09-12-95 10:44:52 AM page

Method: ICP1 Sample Name: 95-007932-A5 @10 Operator: DRS
Run Time: 09/12/95 10:43:33
Comment: SPIKE CONTROL @10X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	.9133	.0039	.2045	.0000	-.0000	.0073
SDev	.0014	.0081	.0040	.0015	.0003	.0000	.0031
%RSD	79.32	.8832	103.9	.7150	688.7	62.78	42.05
#1	-.0022	.9138	.0080	.2059	-.0000	-.0000	.0044
#2	-.0028	.9211	.0036	.2030	-.0002	-.0000	.0105
#3	-.0002	.9050	-.0000	.2044	.0003	-.0000	.0070

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4436	.0211	-.0019	.0002	.1393	-.0051	-.0022
SDev	.0016	.0020	.0057	.0013	.0006	.0009	.0016
%RSD	.3708	9.452	297.5	723.8	.4459	16.89	71.07
#1	.4439	.0204	-.0027	-.0006	.1391	-.0059	-.0029
#2	.4451	.0233	-.0072	-.0004	.1388	-.0051	-.0033
#3	.4418	.0195	.0041	.0016	.1400	-.0042	-.0004

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0061	1.488	-.0019	-.0009	.0074	.0091
SDev	.0002	.0009	.216	.0023	.0016	.0066	.0002
%RSD	85.30	15.21	14.51	117.8	182.6	90.19	2.058
#1	-.0004	.0052	1.437	-.0034	-.0026	.0100	.0088
#2	-.0004	.0060	1.302	-.0031	-.0008	-.0002	.0091
#3	-.0000	.0071	1.725	.0007	.0007	.0123	.0092

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	1.814	-.0149	.4942	.0095	.4734	-.0303
SDev	.0006	.067	.0069	.0072	.0127	.0096	.0251
%RSD	138.4	3.707	46.33	1.456	133.0	2.034	82.91
#1	.0009	1.855	-.0158	.4949	-.0035	.4650	-.0421
#2	-.0002	1.851	-.0212	.5010	.0104	.4712	-.0474
#3	.0005	1.736	-.0075	.4867	.0218	.4839	-.0015

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0139	.0043	-.0113	1.238	-.0544	.0002	-.0012
SDev	.0079	.0056	.0051	.005	.0349	.0001	.0031
%RSD	57.14	128.8	45.45	.4085	64.07	73.45	252.8
#1	-.0178	.0014	-.0153	1.240	-.0758	.0001	.0008
#2	-.0191	.0008	-.0055	1.242	-.0734	.0001	.0004
#3	-.0048	.0108	-.0132	1.233	-.0142	.0003	-.0049

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0201	-.0002	.0075	1.686	-.0014	-.0044	-.0007
SDev	.0047	.0004	.0073	.084	.0009	.0013	.0005

%RSD	23.52	163.7	96.65	5.010	62.24	28.92	68.40
#1	.0231	-.0003	.0071	1.626	-.0018	-.0058	-.0010
#2	.0146	-.0006	.0004	1.649	-.0021	-.0042	-.0010
#3	.0224	.0002	.0150	1.782	-.0004	-.0032	-.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0003	.0434
SDev	.0005	.0008
%RSD	154.7	1.846
#1	-.0008	.0425
#2	.0001	.0438
#3	-.0002	.0439

Analysis Report

Tue 09-12-95 10:48:28 AM page

Method: ICP1 Sample Name: 95-007932-A5 Operator: DRS
Run Time: 09/12/95 10:47:09
Comment: SPIKE CONTROL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0101	8.746	.0029	1.927	.0005	-.0001	-.0180
SDev	.0005	.030	.0100	.013	.0001	.0000	.0057
%RSD	5.221	.3463	344.6	.6586	24.03	11.16	31.63
#1	-.0107	8.772	-.0076	1.940	.0004	-.0001	-.0140
#2	-.0099	8.713	.0040	1.915	.0005	-.0001	-.0155
#3	-.0097	8.752	.0123	1.926	.0006	-.0001	-.0246

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.236	.2066	-.0630	-.0066	1.314	-.0081	-.0139
SDev	.006	.0039	.0079	.0007	.006	.0009	.0009
%RSD	.1487	1.885	12.51	11.14	.4638	11.34	6.494
#1	4.237	.2110	-.0691	-.0060	1.320	-.0081	-.0148
#2	4.229	.2038	-.0541	-.0074	1.308	-.0072	-.0138
#3	4.241	.2048	-.0658	-.0064	1.313	-.0091	-.0130

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0033	.0195	16.98	-.0151	-.0051	.0654	.0877
SDev	.0002	.0008	.33	.0014	.0004	.0110	.0002
%RSD	7.080	4.142	1.965	9.349	6.977	16.80	.2372
#1	-.0036	.0194	16.83	-.0167	-.0051	.0686	.0879
#2	-.0034	.0204	16.76	-.0148	-.0048	.0745	.0877
#3	-.0031	.0188	17.37	-.0139	-.0055	.0532	.0875

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0062	17.84	-.0715	4.539	-.0312	4.373	-.3072
SDev	.0008	.25	.0056	.019	.0046	.025	.0208
%RSD	12.79	1.397	7.761	.4136	14.84	.5791	6.776
#1	-.0060	17.83	-.0774	4.557	-.0302	4.363	-.3313
#2	-.0056	17.60	-.0708	4.520	-.0362	4.353	-.2961
#3	-.0071	18.10	-.0664	4.539	-.0271	4.401	-.2944

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1052	-.0316	-.0302	11.83	-.2306	-.0002	-.0422
SDev	.0043	.0013	.0052	.03	.0195	.0001	.0023
%RSD	4.071	4.123	17.09	.2818	8.440	25.33	5.519
#1	-.1091	-.0328	-.0283	11.84	-.2531	-.0003	-.0423
#2	-.1059	-.0302	-.0361	11.79	-.2187	-.0003	-.0398
#3	-.1006	-.0318	-.0263	11.85	-.2201	-.0002	-.0445

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1962	-.0007	.0213	17.56	-.0086	-.0161	-.0034
SDev	.0055	.0001	.0022	.10	.0007	.0061	.0002

%RSD	2.803	16.40	10.11	.5817	8.708	37.83	5.647
#1	.1981	-.0008	.0237	17.60	-.0094	-.0095	-.0036
#2	.1900	-.0007	.0195	17.44	-.0081	-.0215	-.0032
#3	.2005	-.0006	.0207	17.63	-.0082	-.0172	-.0033

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0021	.4378
SDev	.0016	.0023
%RSD	74.60	.5214
#1	-.0038	.4397
#2	-.0018	.4353
#3	-.0007	.4385

Analysis Report QC Standard Tue 09-12-95 10:52:45 AM page

Method: ICP1 Sample Name: MCVA 950728I901 Operator: DRS
Run Time: 09/12/95 10:51:25
Comment: DRAINABLE LIQUIDS (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS 9/12/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4911	25.18	2.630	2.004	.5111	.0951	24.82
SDev	.0009	.13	.009	.007	.0020	.0002	.13
%RSD	.1874	.5141	.3567	.3255	.3997	.2081	.5429
#1	.4903	25.10	2.640	1.998	.5105	.0950	24.76
#2	.4910	25.12	2.622	2.003	.5094	.0950	24.72
#3	.4921	25.33	2.627	2.011	.5133	.0953	24.97
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.22	.5009	-.0354	1.034	1.034	.9968	-.0001
SDev	.01	.0024	.0033	.002	.000	.0039	.0002
%RSD	.0499	.4861	9.181	.2098	.0473	.3951	143.9
#1	25.20	.4981	-.0378	1.035	1.035	.9958	.0000
#2	25.22	.5027	-.0317	1.035	1.035	.9935	-.0001
#3	25.23	.5018	-.0368	1.031	1.034	1.001	-.0004
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	20.57	26.72	.0044	1.982	26.69	.5154
SDev	.0001	.03	.62	.0011	.034	.06	.0009
%RSD	6.950	.1314	2.311	26.14	1.724	.2141	.1769
#1	.0020	20.56	26.23	.0042	1.961	26.63	.5144
#2	.0021	20.55	26.52	.0056	1.964	26.70	.5155
#3	.0018	20.61	27.41	.0034	2.021	26.74	.5162
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.036	25.67	.0074	1.066	.0590	2.613	-.0106
SDev	.003	.51	.0040	.008	.0114	.010	.0095
%RSD	.2853	1.979	53.80	.7207	19.38	.3726	89.43
#1	1.033	25.30	.0040	1.057	.0604	2.613	-.0099
#2	1.037	25.46	.0118	1.071	.0470	2.623	-.0015
#3	1.039	26.25	.0064	1.071	.0697	2.603	-.0204
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Tue 09-12-95 10:52:45 AM page 2

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0027	2.567	2.524	19.41	-.0929	.5175	.0006
SDev	.0022	.005	.020	.08	.0067	.0018	.0059
%RSD	82.18	.1885	.7793	.3998	7.249	.3458	995.7
#1	-.0016	2.567	2.534	19.35	-.0928	.5168	-.0017
#2	-.0013	2.571	2.501	19.39	-.0862	.5161	.0073
#3	-.0053	2.562	2.537	19.50	-.0997	.5195	-.0038
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0386	1.004	2.564	.0273	.9975	.0284	-.0002
SDev	.0036	.002	.017	.0760	.0019	.0040	.0006
%RSD	9.357	.2135	.6500	278.1	.1850	14.13	318.1
#1	.0358	1.003	2.563	.0583	.9961	.0329	.0000
#2	.0372	1.002	2.548	.0829	.9967	.0253	.0003
#3	.0427	1.006	2.582	-.0592	.9996	.0270	-.0008
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.025	2.055
SDev	.003	.003
%RSD	.2934	.1477
#1	1.023	2.054
#2	1.028	2.053
#3	1.023	2.059
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Tue 09-12-95 10:58:33 AM page

Method: ICP1 Sample Name: SST-ICS-0 9509081100 Operator: DRS
Run Time: 09/12/95 10:57:13
Comment: SPIKE CONTROL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0082	97.86	.1193	-.0011	.0003	.0007	.0578
SDev	.0014	1.10	.0137	.0003	.0003	.0000	.0041
%RSD	17.38	1.127	11.46	27.74	74.47	4.815	7.060
#1	-.0066	96.64	.1282	-.0014	.0006	.0007	.0564
#2	-.0088	98.16	.1262	-.0012	.0003	.0007	.0546
#3	-.0092	98.78	.1036	-.0008	.0001	.0007	.0624

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0766	.0069	-.1322	.0048	.0352	-.0182	-.0038
SDev	.0019	.0005	.0118	.0014	.0018	.0007	.0012
%RSD	2.410	7.163	8.929	28.16	5.030	3.892	31.82
#1	.0782	.0069	-.1196	.0058	.0369	-.0174	-.0024
#2	.0770	.0064	-.1342	.0054	.0334	-.0185	-.0043
#3	.0746	.0074	-.1430	.0033	.0354	-.0187	-.0047

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	19.95	-.0789	.0039	.0045	.2815	.0011
SDev	.0006	.11	.3050	.0026	.0016	.0064	.0005
%RSD	117.9	.5560	386.5	66.18	36.57	2.278	41.96
#1	.0011	19.82	.2368	.0058	.0064	.2851	.0015
#2	.0004	20.01	-.1015	.0049	.0036	.2854	.0013
#3	-.0000	20.02	-.3720	.0010	.0036	.2741	.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0085	.0120	-.0264	51.94	.0319	.1879	-.3685
SDev	.0010	.0163	.0094	.22	.0068	.0098	.0274
%RSD	12.10	135.1	35.41	.4256	21.33	5.205	7.438
#1	.0095	.0200	-.0160	51.68	.0372	.1986	-.3385
#2	.0084	-.0067	-.0292	52.08	.0242	.1860	-.3747
#3	.0075	.0228	-.0341	52.05	.0344	.1793	-.3923

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0317	.0018	.0224	.0257	.0397	.0001	-.0021
SDev	.0157	.0053	.0112	.0123	.0471	.0001	.0062
%RSD	49.67	295.8	50.08	47.73	118.7	82.43	302.8
#1	-.0148	.0079	.0245	.0373	.0873	.0002	.0023
#2	-.0343	-.0016	.0325	.0270	.0386	.0001	.0007
#3	-.0459	-.0009	.0103	.0129	-.0069	.0000	-.0092

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6770	.0010	.2270	50.10	.0012	.0428	.0032
SDev	.0099	.0007	.0089	.46	.0016	.0072	.0005

%RSD	1.458	71.12	3.926	.9245	128.8	16.89	16.39
#1	.6724	.0017	.2372	49.57	.0029	.0507	.0038
#2	.6884	.0010	.2217	50.31	.0009	.0411	.0031
#3	.6704	.0003	.2219	50.42	-.0002	.0366	.0028

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0305	9.974
SDev	.0010	.070
%RSD	3.372	.7036
#1	-.0313	9.893
#2	-.0294	10.01
#3	-.0309	10.02

Analysis Report Tue 09-12-95 11:02:25 AM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 11:01:05
Comment: SPIKE CONTROL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	.0064	.0052	.0019	.0000	-.0000	.0000
SDev	.0006	.0039	.0052	.0005	.0002	.0000	.0061
%RSD	37.40	61.38	98.55	24.33	18960.	83.53	346500.
#1	-.0019	.0049	.0048	.0017	.0000	-.0000	-.0020
#2	-.0009	.0108	.0106	.0025	.0002	-.0000	.0069
#3	-.0021	.0034	.0003	.0016	-.0002	-.0000	-.0048

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0012	-.0079	.0001	-.0003	-.0039	-.0004
SDev	.0009	.0014	.0042	.0007	.0005	.0009	.0006
%RSD	123.9	118.0	53.72	815.3	159.3	23.19	150.5
#1	.0004	-.0027	-.0077	-.0002	.0003	-.0040	-.0005
#2	.0018	.0002	-.0037	.0009	-.0005	-.0030	.0003
#3	.0000	-.0012	-.0121	-.0005	-.0006	-.0048	-.0009

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0015	-.3269	-.0009	.0006	.0008	-.0005
SDev	.0002	.0003	.1200	.0005	.0006	.0029	.0001
%RSD	209.7	20.45	36.70	60.73	91.38	374.9	15.44
#1	-.0002	.0013	-.3044	-.0011	.0000	-.0018	-.0004
#2	.0001	.0014	-.2198	-.0003	.0011	.0039	-.0006
#3	-.0002	.0019	-.4566	-.0013	.0007	.0002	-.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0056	-.0060	.0148	.0002	-.0048	-.0007
SDev	.0008	.0087	.0017	.0026	.0044	.0053	.0070
%RSD	72.38	156.7	27.93	17.80	2654.	110.7	1048.
#1	.0017	-.0084	-.0045	.0176	-.0048	-.0019	-.0014
#2	.0002	.0042	-.0056	.0124	.0037	-.0016	.0067
#3	.0012	-.0125	-.0078	.0144	.0017	-.0110	-.0073

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	.0119	.0001	-.0235	-.0310	.0003	.0032
SDev	.0071	.0019	.0078	.0023	.0257	.0001	.0050
%RSD	237.2	15.64	9120.	9.755	82.85	22.59	158.9
#1	-.0079	.0126	.0076	-.0249	-.0295	.0002	.0085
#2	.0051	.0098	-.0080	-.0248	-.0061	.0003	.0024
#3	-.0061	.0133	.0006	-.0209	-.0575	.0002	-.0015

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0004	.0007	-.0332	-.0009	-.0018	-.0004
SDev	.0012	.0002	.0092	.0666	.0005	.0063	.0003

%RSD	265.9	48.77	1249.	200.9	56.97	341.9	77.21
#1	-.0004	-.0002	-.0056	-.0451	-.0010	.0038	-.0001
#2	-.0016	-.0004	-.0035	.0386	-.0004	-.0086	-.0004
#3	.0007	-.0005	.0113	-.0930	-.0014	-.0007	-.0006

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0002	.0003
SDev	.0003	.0007
%RSD	146.8	273.0
#1	.0001	.0003
#2	-.0002	.0009
#3	-.0005	-.0005

Analysis Report Tue 09-12-95 11:05:00 AM page 1

Method: ICP1 Sample Name: 95-007932-A1 @50 Operator: DRS
Run Time: 09/12/95 11:03:41
Comment: SEG 2 DRAINABLE LIQUIDS @50X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	57.82	.0432	.0692	-.0002	.0004	.0015
SDev	.0003	.14	.0013	.0026	.0001	.0000	.0064
%RSD	12.34	.2465	3.035	3.817	45.13	6.523	422.3
#1	-.0023	57.99	.0431	.0713	-.0001	.0004	.0090
#2	-.0021	57.75	.0420	.0700	-.0002	.0004	-.0020
#3	-.0018	57.73	.0446	.0662	-.0001	.0004	-.0024

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0280	-.0010	-.0107	.0127	.4563	.0010	-.0014
SDev	.0009	.0017	.0046	.0007	.0057	.0011	.0005
%RSD	3.302	161.6	43.32	5.346	1.248	104.3	36.87
#1	-.0279	.0003	-.0151	.0128	.4554	-.0002	-.0020
#2	-.0290	-.0005	-.0112	.0119	.4511	.0014	-.0012
#3	-.0272	-.0029	-.0058	.0133	.4624	.0018	-.0010

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.1971	4.346	-.0020	.0013	-.0058	.0000
SDev	.0002	.0009	.077	.0011	.0009	.0052	.0001
%RSD	51.89	.4595	1.783	54.44	68.33	88.77	327.1
#1	-.0005	.1970	4.329	-.0032	.0022	-.0052	-.0001
#2	-.0003	.1962	4.431	-.0011	.0004	-.0113	.0000
#3	-.0001	.1980	4.278	-.0017	.0014	-.0010	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0217	322.6	-.0114	.5109	.7303	.1209	-.0071
SDev	.0010	1.9	.0021	.0081	.0154	.0002	.0004
%RSD	4.427	.5744	18.41	1.586	2.101	.1322	5.609
#1	.0211	323.3	-.0137	.5135	.7352	.1209	-.0075
#2	.0212	324.1	-.0098	.5018	.7131	.1210	-.0067
#3	.0228	320.6	-.0105	.5173	.7426	.1207	-.0070

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0052	-.0073	-.0040	.0625	-.0226	.0006	-.0255
SDev	.0045	.0050	.0045	.0037	.0024	.0000	.0072
%RSD	86.07	69.17	113.3	5.910	10.62	.3776	28.12
#1	-.0062	-.0131	-.0050	.0583	-.0218	.0006	-.0303
#2	-.0091	-.0044	-.0079	.0653	-.0253	.0006	-.0289
#3	-.0003	-.0043	.0010	.0639	-.0207	.0006	-.0173

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0107	-.0008	.1151	-.1631	-.0017	.0941	-.0008
SDev	.0014	.0002	.0036	.0250	.0004	.0050	.0003

%RSD	13.43	30.64	3.159	15.31	21.90	5.270	41.29
#1	-.0122	-.0010	.1139	-.1915	-.0018	.0977	-.0012
#2	-.0093	-.0008	.1122	-.1537	-.0021	.0962	-.0006
#3	-.0106	-.0005	.1192	-.1443	-.0014	.0885	-.0006

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0101	-.0002
SDev	.0011	.0002
%RSD	10.61	93.22
#1	.0106	-.0003
#2	.0089	.0000
#3	.0109	-.0003

Analysis Report Tue 09-12-95 11:09:13 AM page 1

Method: ICP1 Sample Name: 95-007932-A1 @10 Operator: DRS
Run Time: 09/12/95 11:07:54
Comment: SEG 2 DRAINABLE LIQUIDS @10X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	283.6	.2428	.3431	.0010	.0024	.0415
SDev	.0005	1.9	.0391	.0015	.0001	.0000	.0076
%RSD	22.38	.6726	16.12	.4450	12.38	.9372	18.32
#1	.0020	284.9	.2023	.3446	.0010	.0024	.0339
#2	.0026	281.4	.2456	.3431	.0011	.0024	.0492
#3	.0017	284.6	.2804	.3415	.0008	.0024	.0415

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.0007	.0072	.0703	2.238	.0282	.0010
SDev	.0020	.0012	.0030	.0011	.004	.0009	.0007
%RSD	56.42	161.1	41.65	1.569	.1777	3.273	71.72
#1	.0023	.0020	.0038	.0691	2.242	.0282	.0003
#2	.0057	.0007	.0096	.0713	2.234	.0291	.0017
#3	.0024	-.0004	.0081	.0706	2.239	.0272	.0010

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.9478	21.25	.0044	.0086	.0065	.0022
SDev	.0002	.0030	.32	.0007	.0016	.0064	.0003
%RSD	26.26	.3125	1.507	15.11	18.18	98.29	12.90
#1	.0006	.9477	21.61	.0045	.0104	.0026	.0020
#2	.0010	.9449	21.02	.0051	.0079	.0139	.0025
#3	.0009	.9508	21.10	.0037	.0075	.0030	.0022

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1126	1424.	.0057	2.477	3.738	.7248	.0387
SDev	.0015	16.	.0029	.007	.020	.0098	.0170
%RSD	1.317	1.122	51.52	.2637	.5430	1.354	43.95
#1	.1109	1438.	.0041	2.470	3.719	.7140	.0276
#2	.1135	1407.	.0091	2.478	3.736	.7332	.0584
#3	.1133	1426.	.0039	2.483	3.759	.7273	.0302

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0288	-.0411	-.0176	.4542	.1584	.0023	-.0453
SDev	.0085	.0028	.0140	.0004	.0324	.0001	.0085
%RSD	29.57	6.843	79.67	.0976	20.47	2.890	18.74
#1	.0200	-.0386	-.0333	.4537	.1428	.0023	-.0543
#2	.0370	-.0405	-.0130	.4544	.1957	.0023	-.0374
#3	.0292	-.0441	-.0064	.4546	.1367	.0022	-.0443

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0005	.6050	.1054	.0006	.5039	.0003
SDev	.0047	.0001	.0117	.0923	.0006	.0024	.0003

%RSD	1674.	30.76	1.934	87.53	105.1	.4872	89.19
#1	.0028	.0003	.5967	.0283	-.0000	.5066	.0002
#2	-.0057	.0005	.5998	.2077	.0012	.5031	.0007
#3	.0020	.0005	.6183	.0803	.0005	.5019	.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0548	.0015
SDev	.0017	.0006
%RSD	3.070	40.73
#1	.0544	.0010
#2	.0567	.0022
#3	.0534	.0014

Analysis Report Tue 09-12-95 11:15:40 AM page

Method: ICP1 Sample Name: 95-007932-A1 @5 Operator: DRS
Run Time: 09/12/95 11:14:21
Comment: SEG 2 DRAINABLE LIQUIDS @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	549.7	.4831	.6464	.0017	.0047	.0759
SDev	.0007	3.1	.0517	.0032	.0002	.0000	.0107
%RSD	11.25	.5628	10.70	.4951	10.40	.6737	14.14
#1	.0066	546.3	.4885	.6479	.0018	.0047	.0684
#2	.0056	552.4	.4290	.6486	.0015	.0047	.0882
#3	.0070	550.4	.5320	.6428	.0019	.0048	.0711

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0360	.0014	.0184	.1326	4.290	.0573	.0030
SDev	.0006	.0009	.0023	.0015	.014	.0007	.0007
%RSD	1.819	68.16	12.33	1.134	.3280	1.272	23.09
#1	.0367	.0024	.0209	.1315	4.274	.0573	.0037
#2	.0359	.0013	.0164	.1320	4.301	.0581	.0024
#3	.0354	.0005	.0180	.1343	4.295	.0566	.0029

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	1.811	40.74	.0099	.0168	.0165	.0053
SDev	.0003	.010	.20	.0009	.0011	.0068	.0003
%RSD	15.17	.5534	.5021	9.618	6.381	41.10	5.716
#1	.0016	1.800	40.59	.0110	.0168	.0177	.0050
#2	.0014	1.817	40.97	.0094	.0158	.0092	.0053
#3	.0019	1.817	40.67	.0093	.0179	.0226	.0056

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2178	2570.	.0197	4.738	7.290	1.426	.0930
SDev	.0030	16.	.0033	.009	.020	.003	.0089
%RSD	1.362	.6408	16.87	.1935	.2752	.2195	9.616
#1	.2163	2553.	.0230	4.730	7.267	1.429	.0985
#2	.2159	2586.	.0164	4.748	7.305	1.423	.0827
#3	.2212	2571.	.0197	4.735	7.297	1.428	.0979

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0594	-.0737	-.0117	.9184	.3090	.0041	-.0721
SDev	.0015	.0180	.0171	.0086	.0137	.0001	.0048
%RSD	2.480	24.40	145.9	.9353	4.436	1.530	6.627
#1	.0608	-.0560	-.0267	.9105	.3229	.0041	-.0725
#2	.0578	-.0920	-.0152	.9172	.3087	.0040	-.0672
#3	.0595	-.0731	.0069	.9275	.2955	.0042	-.0767

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0014	1.151	.2685	.0022	.9859	.0011
SDev	.0047	.0003	.010	.0673	.0001	.0109	.0004

%RSD	2161.	24.95	.8282	25.04	6.432	1.102	37.44
#1	.0034	.0017	1.162	.3417	.0023	.9742	.0015
#2	-.0051	.0010	1.145	.2094	.0020	.9956	.0007
#3	.0023	.0015	1.147	.2545	.0023	.9879	.0012

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1051	.0035
SDev	.0002	.0001
%RSD	.2106	3.152
#1	.1052	.0035
#2	.1051	.0033
#3	.1048	.0035

Analysis Report Tue 09-12-95 11:20:12 AM page

Method: ICP1 Sample Name: 95-007932-A2 @50 Operator: DRS
Run Time: 09/12/95 11:18:53
Comment: SEG 2 DRAINABLE LIQUIDS DUP @50X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	55.47	.0579	.0650	.0003	.0004	.0090
SDev	.0003	.20	.0080	.0018	.0001	.0000	.0063
%RSD	157.1	.3580	13.73	2.830	21.60	6.108	70.45
#1	-.0002	55.68	.0550	.0635	.0002	.0004	.0019
#2	.0004	55.29	.0669	.0644	.0004	.0005	.0141
#3	.0004	55.43	.0518	.0671	.0004	.0004	.0109

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0231	-.0001	.0008	.0151	.4438	.0025	.0009
SDev	.0008	.0006	.0033	.0007	.0004	.0008	.0003
%RSD	3.445	615.9	413.4	4.692	.0879	30.03	28.97
#1	-.0231	-.0000	.0002	.0148	.4442	.0022	.0006
#2	-.0239	-.0007	.0043	.0146	.4439	.0020	.0011
#3	-.0223	.0005	-.0021	.0159	.4434	.0034	.0010

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.1922	4.340	.0019	.0025	.0029	.0001
SDev	.0001	.0014	.035	.0012	.0006	.0034	.0001
%RSD	22.34	.7368	.8110	64.46	24.69	116.0	70.96
#1	.0003	.1938	4.329	.0020	.0022	.0038	.0000
#2	.0004	.1911	4.380	.0031	.0032	.0058	.0002
#3	.0004	.1917	4.312	.0007	.0022	-.0008	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0229	300.9	.0013	.5025	.7253	.1382	.0310
SDev	.0017	2.1	.0022	.0018	.0142	.0040	.0163
%RSD	7.615	.7042	165.5	.3545	1.954	2.856	52.54
#1	.0209	303.1	-.0012	.5014	.7192	.1399	.0122
#2	.0242	298.9	.0021	.5017	.7153	.1337	.0408
#3	.0236	300.6	.0031	.5046	.7415	.1411	.0400

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0090	.0008	-.0050	.0701	.0134	.0008	-.0090
SDev	.0026	.0042	.0096	.0027	.0176	.0001	.0032
%RSD	29.34	524.0	189.8	3.905	131.8	8.448	35.04
#1	.0072	.0057	-.0045	.0695	-.0041	.0007	-.0079
#2	.0120	-.0015	.0043	.0731	.0312	.0008	-.0066
#3	.0077	-.0017	-.0149	.0677	.0130	.0008	-.0126

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0057	-.0000	.1236	.0610	-.0001	.1021	-.0001
SDev	.0050	.0005	.0076	.0266	.0003	.0069	.0000

%RSD	88.76	9473.	6.119	43.66	655.9	6.720	12.71
#1	-.0005	-.0005	.1149	.0335	-.0002	.1017	-.0001
#2	-.0060	.0001	.1283	.0866	.0003	.0955	-.0002
#3	-.0106	.0005	.1277	.0629	-.0002	.1092	-.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0104	.0003
SDev	.0006	.0006
%RSD	6.009	205.5
#1	.0111	-.0004
#2	.0099	.0007
#3	.0102	.0007

Analysis Report Tue 09-12-95 11:23:31 AM page

Method: ICP1 Sample Name: 95-007932-A2 @10 Operator: DRS
Run Time: 09/12/95 11:22:12
Comment: SEG 2 DRAINABLE LIQUIDS DUP @10X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	279.4	.2598	.3233	.0012	.0024	.0439
SDev	.0004	.9	.0125	.0035	.0000	.0000	.0028
%RSD	11.62	.3337	4.827	1.096	.1262	.2924	6.453
#1	.0032	280.5	.2468	.3274	.0012	.0024	.0467
#2	.0037	278.6	.2608	.3214	.0012	.0024	.0440
#3	.0040	279.2	.2718	.3211	.0012	.0024	.0411

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	-.0007	.0142	.0711	2.218	.0281	.0024
SDev	.0005	.0003	.0030	.0005	.009	.0019	.0003
%RSD	12.06	45.44	21.28	.6767	.3995	6.621	10.67
#1	.0034	-.0010	.0114	.0706	2.227	.0261	.0023
#2	.0040	-.0008	.0174	.0716	2.209	.0298	.0027
#3	.0043	-.0004	.0137	.0711	2.218	.0285	.0023

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.9398	20.91	.0069	.0098	.0112	.0024
SDev	.0001	.0015	.13	.0017	.0004	.0060	.0001
%RSD	8.014	.1637	.6176	24.29	4.233	53.82	5.889
#1	.0012	.9407	21.05	.0051	.0100	.0107	.0023
#2	.0014	.9380	20.80	.0084	.0100	.0054	.0026
#3	.0012	.9406	20.88	.0071	.0093	.0174	.0024

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1132	1398.	.0120	2.451	3.695	.7296	.0630
SDev	.0015	7.	.0061	.008	.055	.0096	.0127
%RSD	1.327	.5058	51.13	.3340	1.478	1.310	20.16
#1	.1115	1406.	.0063	2.458	3.755	.7189	.0490
#2	.1143	1393.	.0112	2.442	3.681	.7325	.0664
#3	.1137	1396.	.0185	2.452	3.649	.7373	.0737

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0402	-.0224	-.0122	.4451	.1532	.0023	-.0339
SDev	.0047	.0145	.0086	.0005	.0080	.0001	.0034
%RSD	11.58	64.76	70.63	.1206	5.200	2.810	9.961
#1	.0349	-.0351	-.0169	.4446	.1443	.0023	-.0376
#2	.0420	-.0253	-.0023	.4457	.1556	.0024	-.0333
#3	.0437	-.0066	-.0176	.4452	.1596	.0023	-.0309

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0035	.0010	.6022	.2309	.0019	.5000	.0009
SDev	.0034	.0003	.0197	.0497	.0007	.0108	.0001

%RSD	97.40	25.97	3.266	21.52	38.34	2.152	16.65
#1	.0004	.0007	.5941	.1738	.0014	.4880	.0007
#2	-.0050	.0012	.6246	.2553	.0027	.5029	.0010
#3	-.0058	.0012	.5878	.2638	.0015	.5089	.0009

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0543	.0021
SDev	.0010	.0004
%RSD	1.823	20.05
#1	.0553	.0016
#2	.0544	.0023
#3	.0533	.0023

Analysis Report Tue 09-12-95 11:27:38 AM page

Method: ICP1 Sample Name: 95-007932-A~~2~~ 2 DAS 9/11/95 @5 Operator: DRS
Run Time: 09/12/95 11:26:19
Comment: SEG 2 DRAINABLE LIQUIDS DUP @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	542.4	.5074	.6228	.0020	.0047	.0776
SDev	.0006	2.3	.0244	.0032	.0001	.0000	.0043
%RSD	8.560	.4216	4.811	.5051	5.827	.7608	5.510
#1	.0061	545.0	.4798	.6241	.0020	.0047	.0729
#2	.0066	541.5	.5263	.6251	.0019	.0047	.0812
#3	.0072	540.7	.5159	.6192	.0021	.0047	.0788

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0430	.0021	.0246	.1329	4.243	.0580	.0035
SDev	.0014	.0006	.0060	.0006	.011	.0010	.0001
%RSD	3.237	28.45	24.37	.4308	.2693	1.816	3.880
#1	.0427	.0026	.0181	.1329	4.256	.0574	.0034
#2	.0418	.0014	.0258	.1323	4.238	.0574	.0037
#3	.0445	.0024	.0300	.1334	4.235	.0592	.0035

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	1.797	39.51	.0109	.0174	.0212	.0053
SDev	.0002	.004	.06	.0017	.0002	.0016	.0003
%RSD	8.775	.2295	.1503	15.22	1.182	7.369	6.250
#1	.0018	1.802	39.57	.0105	.0172	.0223	.0049
#2	.0018	1.794	39.45	.0095	.0176	.0194	.0056
#3	.0021	1.796	39.52	.0127	.0176	.0218	.0054

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2179	2529.	.0223	4.686	7.221	1.436	.1004
SDev	.0003	10.	.0021	.018	.028	.009	.0008
%RSD	.1417	.3905	9.525	.3931	.3929	.6432	.8342
#1	.2177	2541.	.0218	4.703	7.190	1.427	.0995
#2	.2177	2525.	.0205	4.667	7.246	1.437	.1006
#3	.2182	2522.	.0247	4.688	7.226	1.445	.1011

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0649	-.0537	-.0143	.8924	.3185	.0041	-.0629
SDev	.0022	.0045	.0013	.0072	.0291	.0000	.0032
%RSD	3.397	8.351	8.988	.8047	9.134	.1341	5.078
#1	.0653	-.0569	-.0157	.8841	.2856	.0041	-.0659
#2	.0669	-.0557	-.0139	.8966	.3290	.0041	-.0596
#3	.0626	-.0486	-.0133	.8964	.3409	.0041	-.0631

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	.0018	1.140	.3436	.0028	.9661	.0013
SDev	.0047	.0002	.011	.0634	.0005	.0061	.0003

Analysis Report

Tue 09-12-95 11:27:38 AM

%RSD	282.8	12.38	.9997	18.46	16.99	.6313	25.35
#1	-.0043	.0017	1.138	.3023	.0027	.9697	.0009
#2	-.0044	.0016	1.130	.3118	.0024	.9590	.0015
#3	.0037	.0020	1.152	.4166	.0033	.9695	.0014

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1069	.0036
SDev	.0019	.0005
%RSD	1.778	13.20
#1	.1080	.0034
#2	.1047	.0042
#3	.1080	.0033

Analysis Report Tue 09-12-95 11:32:09 AM page

Method: ICP1 Sample Name: 95-007935-A1 @50 Operator: DRS
Run Time: 09/12/95 11:30:50
Comment: SEG 3 DRAINABLE LIQUIDS @50X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	60.48	.0629	.0744	.0005	.0005	.0118
SDev	.0008	.34	.0104	.0005	.0002	.0001	.0028
%RSD	66.42	.5629	16.53	.6161	49.69	12.67	23.53
#1	-.0019	60.63	.0612	.0749	.0005	.0004	.0125
#2	-.0003	60.09	.0741	.0742	.0007	.0005	.0141
#3	-.0016	60.72	.0535	.0740	.0002	.0005	.0087

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0185	-.0013	.0053	.0148	.4857	.0125	.0011
SDev	.0009	.0005	.0039	.0005	.0042	.0022	.0005
%RSD	5.096	41.24	74.09	3.380	.8572	17.81	42.10
#1	-.0185	-.0013	.0028	.0149	.4843	.0102	.0008
#2	-.0176	-.0008	.0099	.0142	.4825	.0146	.0017
#3	-.0195	-.0019	.0033	.0152	.4904	.0126	.0010

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.1619	4.459	.0027	.0029	.0092	.0003
SDev	.0002	.0007	.179	.0016	.0009	.0062	.0005
%RSD	48.15	.4552	4.020	57.92	33.05	67.30	137.7
#1	.0002	.1611	4.431	.0016	.0036	.0077	.0003
#2	.0007	.1620	4.650	.0045	.0032	.0161	.0008
#3	.0005	.1626	4.295	.0021	.0018	.0039	-.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0254	296.5	.0053	.3959	.7246	.1585	.0297
SDev	.0013	2.2	.0050	.0033	.0223	.0074	.0189
%RSD	5.002	.7552	94.58	.8280	3.080	4.642	63.72
#1	.0247	298.1	.0027	.3997	.7203	.1537	.0264
#2	.0269	293.9	.0110	.3941	.7048	.1670	.0500
#3	.0247	297.5	.0021	.3939	.7488	.1548	.0126

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0168	.0109	.0065	.1533	.0482	.0031	-.0088
SDev	.0071	.0078	.0096	.0024	.0139	.0001	.0045
%RSD	42.39	71.70	147.0	1.537	28.73	2.206	51.44
#1	.0118	.0092	-.0032	.1511	.0324	.0030	-.0087
#2	.0249	.0194	.0161	.1530	.0584	.0031	-.0043
#3	.0137	.0040	.0067	.1557	.0539	.0031	-.0134

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0003	.1294	.0758	.0001	1.248	.0002
SDev	.0039	.0004	.0075	.1013	.0006	.015	.0006

%RSD	12600.	140.5	5.769	133.7	509.6	1.234	375.7
#1	-.0042	-.0000	.1211	.0781	-.0000	1.259	-.0004
#2	.0006	.0007	.1356	.1760	.0007	1.230	.0007
#3	.0036	.0002	.1315	-.0266	-.0004	1.253	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0186	.0001
SDev	.0006	.0007
%RSD	3.427	701.8
#1	.0186	.0003
#2	.0180	.0007
#3	.0193	-.0007

Analysis Report Tue 09-12-95 11:36:15 AM page

Method: ICP1 Sample Name: 95-007935-A1 @10 Operator: DRS
Run Time: 09/12/95 11:34:55
Comment: SEG 3 DRAINABLE LIQUIDS @10X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0051	299.5	.2712	.3552	.0014	.0026	.0430
SDev	.0001	1.8	.0174	.0038	.0002	.0000	.0097
%RSD	1.737	.6124	6.414	1.064	16.76	.3417	22.65
#1	-.0051	298.5	.2913	.3509	.0017	.0026	.0390
#2	-.0052	301.6	.2618	.3563	.0012	.0026	.0358
#3	-.0051	298.4	.2606	.3582	.0014	.0026	.0541

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0255	-.0021	.0215	.0705	2.351	.0772	.0036
SDev	.0016	.0009	.0038	.0005	.008	.0006	.0006
%RSD	6.284	44.29	17.68	.6470	.3591	.7652	15.22
#1	.0260	-.0030	.0255	.0710	2.348	.0768	.0040
#2	.0237	-.0022	.0180	.0701	2.361	.0769	.0030
#3	.0267	-.0011	.0209	.0705	2.345	.0778	.0039

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.7766	22.24	.0088	.0079	.0333	.0029
SDev	.0003	.0037	.09	.0016	.0009	.0073	.0002
%RSD	18.01	.4708	.4024	18.54	12.03	22.05	6.485
#1	.0016	.7739	22.14	.0091	.0075	.0328	.0031
#2	.0012	.7808	22.31	.0070	.0072	.0262	.0028
#3	.0016	.7751	22.27	.0103	.0090	.0409	.0028

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1215	1387.	.0189	1.907	3.614	.7963	.0856
SDev	.0019	10.	.0046	.007	.038	.0064	.0130
%RSD	1.584	.7099	24.29	.3597	1.052	.8056	15.20
#1	.1220	1380.	.0218	1.903	3.631	.8034	.0898
#2	.1231	1398.	.0136	1.914	3.641	.7947	.0710
#3	.1193	1382.	.0211	1.902	3.571	.7909	.0960

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0478	-.0267	-.0098	.8600	.1576	.0138	-.0332
SDev	.0061	.0215	.0177	.0063	.0393	.0001	.0069
%RSD	12.83	80.51	180.4	.7367	24.92	.5217	20.68
#1	.0508	-.0057	-.0022	.8597	.1664	.0137	-.0333
#2	.0407	-.0487	.0028	.8665	.1147	.0138	-.0399
#3	.0518	-.0257	-.0300	.8539	.1918	.0137	-.0262

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0015	.6189	.3488	.0020	6.208	.0011
SDev	.0020	.0005	.0081	.0634	.0007	.015	.0001

%RSD	148.3	31.73	1.317	18.18	35.14	.2362	13.14
#1	-.0004	.0016	.6096	.3382	.0021	6.195	.0012
#2	.0035	.0010	.6248	.2914	.0013	6.224	.0009
#3	.0008	.0019	.6222	.4169	.0027	6.205	.0012

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0924	.0024
SDev	.0006	.0006
%RSD	.6648	26.47
#1	.0929	.0027
#2	.0925	.0017
#3	.0917	.0029

Analysis Report Tue 09-12-95 11:39:52 AM page 1

Method: ICP1 Sample Name: 95-007935-A1 @5 Operator: DRS
Run Time: 09/12/95 11:38:32
Comment: SEG 3 DRAINABLE LIQUIDS @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0146	603.9	.4878	.7089	.0021	.0051	.0773
SDev	.0017	7.6	.0405	.0077	.0002	.0000	.0049
%RSD	11.64	1.253	8.308	1.082	9.599	.7744	6.325
#1	-.0159	610.6	.4727	.7162	.0020	.0052	.0768
#2	-.0153	605.5	.4571	.7095	.0020	.0051	.0726
#3	-.0127	595.7	.5338	.7009	.0024	.0051	.0824

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0852	-.0001	.0162	.1339	4.633	.1572	.0024
SDev	.0016	.0008	.0074	.0014	.035	.0020	.0009
%RSD	1.907	1482.	45.57	1.062	.7578	1.266	35.18
#1	.0838	.0002	.0113	.1341	4.668	.1573	.0016
#2	.0848	-.0010	.0127	.1324	4.634	.1591	.0024
#3	.0869	.0006	.0248	.1353	4.598	.1551	.0033

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	1.520	43.40	.0094	.0119	.0281	.0056
SDev	.0004	.013	.20	.0014	.0009	.0051	.0002
%RSD	22.55	.8222	.4499	14.40	7.573	18.04	2.835
#1	.0014	1.532	43.51	.0084	.0118	.0300	.0055
#2	.0017	1.522	43.51	.0088	.0129	.0223	.0056
#3	.0022	1.507	43.17	.0109	.0111	.0319	.0058

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2320	2603.	.0151	3.764	7.298	1.530	.0807
SDev	.0022	30.	.0057	.033	.072	.009	.0197
%RSD	.9412	1.166	37.86	.8787	.9934	.5847	24.38
#1	.2342	2629.	.0110	3.792	7.307	1.522	.0614
#2	.2298	2611.	.0127	3.772	7.366	1.527	.0801
#3	.2318	2570.	.0217	3.727	7.222	1.540	.1007

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0557	-.0898	-.0570	1.756	.2101	.0265	-.0838
SDev	.0116	.0114	.0144	.003	.0415	.0003	.0100
%RSD	20.75	12.68	25.22	.1887	19.76	1.120	11.93
#1	.0460	-.0958	-.0518	1.760	.1804	.0268	-.0859
#2	.0527	-.0968	-.0732	1.756	.1922	.0265	-.0926
#3	.0685	-.0766	-.0459	1.753	.2575	.0262	-.0729

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	.0013	1.204	.3060	.0017	12.31	.0009
SDev	.0041	.0005	.017	.0785	.0009	.15	.0005

%RSD	142.2	36.31	1.415	25.64	51.02	1.205	53.35
#1	.0033	.0008	1.221	.2160	.0008	12.43	.0007
#2	-.0014	.0014	1.204	.3417	.0019	12.36	.0006
#3	.0067	.0018	1.187	.3602	.0025	12.14	.0015

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1863	.0026
SDev	.0024	.0006
%RSD	1.293	22.03
#1	.1882	.0021
#2	.1871	.0025
#3	.1836	.0033

Analysis Report Tue 09-12-95 11:44:20 AM page

Method: ICP1 Sample Name: STD9 FOR W @50 PPM Operator: DRS
Run Time: 09/12/95 11:43:00
Comment: SEG 3 DRAINABLE LIQUIDS @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0576	1.231	.1083	4.591	.0063	.0001	.0033
SDev	.0008	.005	.0018	.013	.0001	.0001	.0037
%RSD	1.367	.3848	1.696	.2862	1.105	36.31	112.0
#1	-.0584	1.235	.1065	4.602	.0062	.0001	-.0010
#2	-.0574	1.233	.1101	4.593	.0063	.0001	.0057
#3	-.0569	1.226	.1082	4.576	.0062	.0002	.0053

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0313	-.0008	-.0105	.0058	.0009	-.0001	.0008
SDev	.0006	.0008	.0044	.0001	.0019	.0012	.0003
%RSD	2.049	94.25	42.16	1.357	205.5	1643.	33.30
#1	.0309	-.0015	-.0128	.0057	-.0005	-.0015	.0006
#2	.0311	-.0010	-.0133	.0057	.0002	.0007	.0011
#3	.0321	.0000	-.0054	.0058	.0031	.0006	.0007

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0337	-.3044	-.0004	.0011	-.0928	-.0003
SDev	.0001	.0006	.0737	.0011	.0013	.0075	.0001
%RSD	34.86	1.667	24.22	251.1	119.3	8.027	18.72
#1	.0002	.0332	-.3889	-.0015	.0014	-.1009	-.0003
#2	.0003	.0343	-.2537	-.0005	.0022	-.0914	-.0003
#3	.0003	.0336	-.2706	.0007	-.0004	-.0862	-.0004

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	3.462	-.0037	.0125	-.1840	-.0083	50.07
SDev	.0007	.043	.0025	.0009	.0019	.0057	.14
%RSD	23.47	1.233	66.08	7.387	1.028	68.30	.2822
#1	.0021	3.435	-.0065	.0131	-.1818	-.0062	50.20
#2	.0033	3.511	-.0020	.0131	-.1851	-.0147	50.08
#3	.0034	3.440	-.0026	.0115	-.1850	-.0040	49.92

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.40	-.0314	-.0089	48.53	49.85	.0014	.0242
SDev	.16	.0025	.0060	.10	.12	.0001	.0050
%RSD	.3153	8.114	66.99	.2097	.2415	4.918	20.84
#1	50.56	-.0314	-.0124	48.58	49.95	.0013	.0195
#2	50.39	-.0289	-.0123	48.59	49.88	.0014	.0295
#3	50.24	-.0339	-.0020	48.41	49.71	.0014	.0237

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0288	.0074	-.1623	-.0539	-.0072	49.48	.0005
SDev	.0045	.0003	.0172	.0213	.0002	.18	.0003

Analysis Report Tue 09-12-95 11:44:20 AM page 2

%RSD	15.59	3.742	10.61	39.58	2.969	.3565	55.21
#1	.0261	.0071	-.1814	-.0566	-.0074	49.63	.0002
#2	.0340	.0076	-.1480	-.0738	-.0071	49.53	.0005
#3	.0264	.0075	-.1575	-.0314	-.0069	49.29	.0008

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0020	.0384
SDev	.0008	.0005
%RSD	38.42	1.232
#1	.0013	.0389
#2	.0018	.0379
#3	.0028	.0385

Analysis Report QC Standard Tue 09-12-95 11:48:29 AM page 1

Method: ICP1 Sample Name: MCVA 950728I901 Operator: DRS
Run Time: 09/12/95 11:47:10
Comment: DRAINABLE LIQUIDS (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 9/12

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4855	24.85	2.594	1.996	.5055	.0939	24.60
SDev	.0014	.10	.013	.008	.0019	.0002	.12
%RSD	.2779	.3930	.4955	.4052	.3828	.2193	.4831
#1	.4866	24.96	2.606	2.005	.5076	.0941	24.74
#2	.4840	24.78	2.580	1.989	.5038	.0937	24.52
#3	.4858	24.82	2.595	1.996	.5052	.0939	24.55
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.96	.4939	-.0349	1.024	1.016	.9870	-.0002
SDev	.06	.0032	.0011	.003	.007	.0026	.0003
%RSD	.2289	.6438	3.237	.2613	.6562	.2670	134.9
#1	24.99	.4921	-.0361	1.025	1.021	.9900	-.0005
#2	24.89	.4976	-.0348	1.021	1.019	.9859	-.0001
#3	24.99	.4921	-.0338	1.025	1.009	.9850	-.0000
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	20.34	25.95	.0042	1.954	26.36	.5110
SDev	.0002	.05	.26	.0003	.029	.07	.0007
%RSD	9.618	.2672	.9975	8.446	1.467	.2579	.1321
#1	.0018	20.39	26.25	.0045	1.986	26.44	.5115
#2	.0018	20.28	25.86	.0039	1.948	26.33	.5102
#3	.0021	20.34	25.76	.0041	1.929	26.33	.5113
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.028	25.29	.0044	1.060	.0618	2.586	-.0117
SDev	.003	.31	.0022	.004	.0106	.022	.0012
%RSD	.2464	1.209	51.02	.3843	17.07	.8518	10.08
#1	1.029	25.63	.0018	1.061	.0605	2.572	-.0125
#2	1.025	25.17	.0056	1.056	.0519	2.575	-.0104
#3	1.029	25.06	.0058	1.064	.0729	2.612	-.0123
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Tue 09-12-95 11:48:29 AM page 2

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	2.535	2.483	19.78	-.0947	.5122	-.0070
SDev	.0020	.017	.004	.09	.0259	.0017	.0065
%RSD	729.2	.6884	.1473	.4456	27.38	.3242	92.30
#1	-.0006	2.524	2.481	19.88	-.1238	.5141	-.0142
#2	-.0021	2.525	2.487	19.74	-.0861	.5111	-.0050
#3	.0018	2.555	2.481	19.72	-.0741	.5114	-.0018
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0399	.9937	2.553	.0323	.9854	.0257	-.0005
SDev	.0016	.0024	.004	.0456	.0021	.0079	.0002
%RSD	4.051	.2416	.1503	141.2	.2133	30.79	33.50
#1	.0391	.9964	2.549	-.0196	.9876	.0227	-.0005
#2	.0417	.9919	2.554	.0507	.9834	.0198	-.0006
#3	.0388	.9929	2.556	.0659	.9851	.0347	-.0003
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.019	2.038
SDev	.009	.003
%RSD	.8863	.1691
#1	1.026	2.041
#2	1.009	2.034
#3	1.022	2.038
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Tue 09-12-95 11:53:02 AM page

Method: ICP1 Sample Name: SST-ICS-0 950908I100 Operator: DRS
Run Time: 09/12/95 11:51:42
Comment: SEG 3 DRAINABLE LIQUIDS @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0111	99.60	.1148	.0032	.0001	.0006	.0582
SDev	.0002	.26	.0017	.0020	.0001	.0000	.0042
%RSD	2.028	.2584	1.485	60.51	63.46	4.446	7.119
#1	-.0112	99.38	.1161	.0055	.0002	.0007	.0535
#2	-.0108	99.88	.1129	.0019	.0001	.0006	.0603
#3	-.0113	99.53	.1155	.0023	.0001	.0006	.0610

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0752	.0071	-.1639	.0030	.0370	-.0166	-.0056
SDev	.0003	.0026	.0062	.0006	.0012	.0021	.0002
%RSD	.3664	36.02	3.783	20.05	3.344	12.58	3.736
#1	.0754	.0056	-.1603	.0025	.0384	-.0149	-.0055
#2	.0753	.0101	-.1711	.0028	.0362	-.0159	-.0058
#3	.0749	.0056	-.1604	.0037	.0364	-.0189	-.0054

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	20.18	-.4848	-.0003	.0029	.2757	.0010
SDev	.0002	.04	.0426	.0014	.0012	.0079	.0001
%RSD	81.27	.1864	8.779	482.0	43.52	2.881	5.296
#1	-.0004	20.15	-.4397	.0006	.0036	.2675	.0009
#2	-.0003	20.22	-.5242	-.0018	.0036	.2833	.0010
#3	-.0000	20.18	-.4904	.0004	.0014	.2762	.0010

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0081	-.0137	-.0376	52.57	.0178	.1767	-.4273
SDev	.0008	.0090	.0015	.06	.0188	.0072	.0074
%RSD	10.54	65.69	4.028	.1074	105.4	4.090	1.733
#1	.0090	-.0036	-.0359	52.51	.0048	.1784	-.4259
#2	.0080	-.0210	-.0379	52.62	.0393	.1828	-.4353
#3	.0073	-.0164	-.0389	52.57	.0093	.1687	-.4207

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0498	-.0047	.0243	.1465	-.0399	-.0000	-.0153
SDev	.0013	.0055	.0035	.0067	.0227	.0000	.0046
%RSD	2.656	117.9	14.51	4.547	56.75	27.38	30.18
#1	-.0492	-.0018	.0210	.1519	-.0185	-.0000	-.0204
#2	-.0488	-.0110	.0237	.1484	-.0376	-.0000	-.0140
#3	-.0513	-.0012	.0280	.1390	-.0637	-.0000	-.0114

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7025	.0004	.2316	50.98	-.0005	.0466	.0023
SDev	.0079	.0001	.0022	.12	.0004	.0110	.0001

%RSD	1.123	26.58	.9433	.2329	76.72	23.66	5.179
#1	.7001	.0003	.2341	50.89	-.0004	.0437	.0022
#2	.7114	.0005	.2307	51.12	-.0002	.0373	.0024
#3	.6962	.0004	.2299	50.95	-.0010	.0588	.0022

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0274	10.14
SDev	.0011	.02
%RSD	3.928	.2353
#1	-.0267	10.13
#2	-.0269	10.17
#3	-.0286	10.14

Analysis Report Tue 09-12-95 11:56:54 AM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 11:55:35
Comment: SEG 3 DRAINABLE LIQUIDS @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	.0071	.0077	.0052	.0000	-.0000	.0003
SDev	.0010	.0033	.0004	.0014	.0001	.0000	.0013
%RSD	61.62	47.02	4.678	27.75	4439.	30.77	415.3
#1	-.0022	.0076	.0076	.0064	.0000	-.0000	.0007
#2	-.0022	.0035	.0073	.0036	-.0001	-.0000	.0014
#3	-.0005	.0101	.0080	.0055	.0001	-.0001	-.0011

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	-.0005	-.0104	.0006	-.0001	-.0018	-.0006
SDev	.0022	.0012	.0057	.0013	.0006	.0007	.0009
%RSD	136.2	252.3	54.45	230.2	428.7	36.49	145.8
#1	.0014	-.0017	-.0120	-.0007	-.0000	-.0025	-.0008
#2	-.0005	-.0002	-.0151	.0005	-.0008	-.0016	-.0015
#3	.0039	.0005	-.0041	.0019	.0004	-.0012	.0004

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0004	-.5355	-.0015	.0005	-.0023	-.0006
SDev	.0002	.0007	.1727	.0016	.0004	.0070	.0002
%RSD	139.6	184.6	32.26	107.9	86.66	306.4	43.27
#1	-.0003	.0012	-.6088	-.0024	.0007	-.0031	-.0006
#2	-.0003	-.0002	-.6595	-.0024	.0007	-.0088	-.0008
#3	.0001	.0001	-.3382	.0004	-.0000	.0051	-.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	-.0027	-.0088	.0082	.0003	-.0097	-.0028
SDev	.0008	.0105	.0061	.0011	.0123	.0030	.0179
%RSD	58.45	393.5	69.47	13.62	4180.	30.89	641.3
#1	.0017	-.0124	-.0126	.0080	.0142	-.0106	-.0081
#2	.0004	-.0040	-.0120	.0073	-.0091	-.0122	-.0175
#3	.0018	.0084	-.0017	.0095	-.0042	-.0064	.0172

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0056	.0066	-.0031	.0350	-.0448	.0002	-.0035
SDev	.0091	.0058	.0118	.0026	.0291	.0001	.0018
%RSD	161.9	88.73	385.1	7.446	65.05	45.23	49.99
#1	-.0110	.0025	-.0061	.0377	-.0275	.0001	-.0031
#2	-.0108	.0040	-.0131	.0325	-.0784	.0002	-.0054
#3	.0049	.0133	.0100	.0347	-.0284	.0003	-.0020

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	-.0003	.0136	-.0744	-.0011	-.0033	-.0007
SDev	.0048	.0002	.0021	.0966	.0006	.0071	.0006

%RSD	210.3	60.91	15.59	130.0	53.95	216.1	85.21
#1	.0029	-.0004	.0112	-.1374	-.0011	.0025	-.0006
#2	-.0031	-.0005	.0152	-.1226	-.0017	-.0112	-.0012
#3	-.0065	-.0001	.0144	.0369	-.0005	-.0011	-.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0003	-.0003
SDev	.0001	.0008
%RSD	31.02	307.6
#1	.0003	-.0008
#2	.0002	-.0007
#3	.0004	.0007

Analysis Report

Tue 09-12-95 11:58:47 AM page

Method: ICP1 Sample Name: 95-007935-A2 @50 Operator: DRS
Run Time: 09/12/95 11:57:28
Comment: SEG 3 DRAINABLE LIQUIDS DUP @50X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0032	61.65	.0434	.0776	.0004	.0004	.0123
SDev	.0006	.44	.0069	.0024	.0002	.0000	.0068
%RSD	19.84	.7092	15.96	3.083	41.23	5.163	55.14
#1	-.0026	61.22	.0441	.0749	.0006	.0005	.0152
#2	-.0039	62.09	.0362	.0789	.0002	.0004	.0045
#3	-.0032	61.63	.0500	.0791	.0005	.0004	.0171

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0241	-.0006	-.0074	.0143	.4801	.0135	-.0004
SDev	.0011	.0004	.0052	.0004	.0023	.0007	.0005
%RSD	4.753	70.32	70.44	2.698	.4862	5.112	145.6
#1	-.0242	-.0010	-.0064	.0144	.4793	.0142	.0002
#2	-.0251	-.0004	-.0131	.0139	.4784	.0128	-.0006
#3	-.0228	-.0003	-.0028	.0147	.4828	.0135	-.0007

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.1750	4.538	.0003	.0017	.0017	.0004
SDev	.0002	.0013	.096	.0003	.0009	.0051	.0002
%RSD	282.7	.7291	2.119	113.9	53.73	301.5	53.25
#1	.0001	.1747	4.566	.0007	.0025	.0061	.0006
#2	-.0002	.1739	4.431	.0000	.0007	-.0039	.0002
#3	.0003	.1764	4.617	.0002	.0018	.0030	.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0243	311.9	-.0052	.4102	.7260	.1407	.0053
SDev	.0004	3.8	.0042	.0028	.0064	.0114	.0097
%RSD	1.522	1.222	80.59	.6734	.8796	8.110	183.5
#1	.0240	308.5	-.0017	.4082	.7319	.1413	.0071
#2	.0247	316.0	-.0099	.4092	.7192	.1290	-.0052
#3	.0243	311.2	-.0041	.4134	.7268	.1517	.0139

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	-.0079	.0026	.2189	-.0388	.0081	-.0192
SDev	.0054	.0061	.0139	.0066	.0140	.0001	.0100
%RSD	282.7	77.31	537.8	3.031	36.13	.8955	52.44
#1	.0071	-.0010	.0037	.2126	-.0410	.0080	-.0126
#2	-.0037	-.0124	-.0118	.2183	-.0516	.0081	-.0307
#3	.0024	-.0102	.0159	.2258	-.0238	.0080	-.0141

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	-.0003	.1371	-.0283	-.0008	1.243	-.0003
SDev	.0049	.0004	.0043	.0567	.0008	.009	.0003

%RSD	219.5	142.4	3.121	200.7	90.97	.7575	114.4
#1	.0039	.0001	.1406	.0269	.0000	1.237	-.0001
#2	-.0033	-.0003	.1383	-.0864	-.0014	1.254	-.0006
#3	.0060	-.0007	.1323	-.0253	-.0012	1.238	-.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0192	-.0003
SDev	.0013	.0005
%RSD	6.772	138.3
#1	.0207	.0002
#2	.0182	-.0005
#3	.0187	-.0007

Analysis Report Tue 09-12-95 12:02:40 PM page

Method: ICP1 Sample Name: 95-007935-A2 @10 Operator: DRS
Run Time: 09/12/95 12:01:21
Comment: SEG 3 DRAINABLE LIQUIDS DUP @10X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0053	299.4	.2597	.3566	.0025	.0026	.0353
SDev	.0003	1.1	.0178	.0027	.0001	.0001	.0084
%RSD	5.086	.3721	6.847	.7542	2.787	2.047	23.76
#1	-.0056	299.8	.2652	.3563	.0025	.0025	.0418
#2	-.0053	298.2	.2399	.3541	.0025	.0026	.0382
#3	-.0051	300.3	.2742	.3594	.0024	.0026	.0258

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0224	.0003	.0193	.0709	2.328	.0794	.0033
SDev	.0005	.0026	.0031	.0010	.015	.0003	.0003
%RSD	2.181	839.1	16.27	1.355	.6249	.4218	10.50
#1	.0225	-.0026	.0224	.0718	2.335	.0796	.0029
#2	.0218	.0019	.0193	.0699	2.311	.0791	.0034
#3	.0228	.0016	.0161	.0711	2.337	.0797	.0035

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.8304	22.49	.0089	.0113	.0248	.0037
SDev	.0000	.0025	.27	.0010	.0010	.0044	.0003
%RSD	1.090	.3034	1.199	11.06	9.122	17.61	8.441
#1	.0014	.8317	22.31	.0097	.0107	.0283	.0034
#2	.0014	.8274	22.80	.0092	.0125	.0263	.0040
#3	.0015	.8319	22.36	.0078	.0107	.0199	.0039

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1189	1392.	.0189	1.946	3.655	.7774	.0830
SDev	.0008	3.	.0032	.011	.017	.0013	.0071
%RSD	.6674	.1989	16.91	.5863	.4690	.1718	8.566
#1	.1197	1391.	.0221	1.950	3.653	.7784	.0896
#2	.1189	1390.	.0189	1.933	3.640	.7759	.0839
#3	.1181	1395.	.0157	1.955	3.674	.7780	.0755

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0450	-.0401	-.0084	.9511	.1330	.0381	-.0349
SDev	.0022	.0044	.0135	.0111	.0222	.0002	.0019
%RSD	4.964	11.03	159.9	1.169	16.72	.4712	5.542
#1	.0424	-.0451	.0070	.9413	.1273	.0381	-.0330
#2	.0461	-.0384	-.0179	.9489	.1576	.0379	-.0348
#3	.0465	-.0368	-.0144	.9632	.1142	.0383	-.0369

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0016	.6182	.4086	.0019	6.176	.0010
SDev	.0038	.0001	.0015	.0278	.0003	.039	.0002

%RSD	128.7	9.042	.2429	6.796	15.42	.6302	18.39
#1	-.0011	.0017	.6196	.3984	.0016	6.160	.0012
#2	.0065	.0014	.6185	.4401	.0022	6.148	.0008
#3	.0035	.0016	.6166	.3875	.0021	6.220	.0009

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0924	.0034
SDev	.0011	.0003
%RSD	1.152	8.313
#1	.0935	.0031
#2	.0914	.0036
#3	.0923	.0033

Analysis Report Tue 09-12-95 12:06:36 PM page :

Method: ICP1 Sample Name: 95-007935-A2 @5 Operator: DRS
Run Time: 09/12/95 12:05:17
Comment: SEG 3 DRAINABLE LIQUIDS DUP @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0140	600.9	.5046	.7123	.0033	.0051	.0753
SDev	.0016	4.8	.0300	.0055	.0002	.0000	.0130
%RSD	11.27	.7957	5.943	.7675	6.184	.7787	17.28
#1	-.0158	606.0	.4780	.7173	.0032	.0051	.0610
#2	-.0134	600.3	.4987	.7130	.0032	.0051	.0785
#3	-.0128	596.5	.5371	.7065	.0036	.0051	.0864

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0724	.0000	.0217	.1341	4.608	.1574	.0032
SDev	.0010	.0006	.0080	.0015	.024	.0009	.0007
%RSD	1.327	4125.	37.10	1.126	.5119	.5685	23.00
#1	.0716	.0001	.0138	.1324	4.634	.1580	.0027
#2	.0721	.0006	.0214	.1347	4.603	.1578	.0029
#3	.0735	-.0006	.0298	.1352	4.588	.1564	.0040

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	1.628	43.37	.0109	.0178	.0268	.0072
SDev	.0003	.006	.28	.0018	.0014	.0069	.0001
%RSD	14.85	.3728	.6540	16.27	7.636	25.77	1.422
#1	.0016	1.635	43.70	.0092	.0193	.0219	.0071
#2	.0016	1.626	43.19	.0107	.0168	.0347	.0073
#3	.0021	1.624	43.22	.0127	.0172	.0239	.0072

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2321	2594.	.0193	3.835	7.357	1.519	.0908
SDev	.0012	20.	.0060	.011	.019	.016	.0207
%RSD	.5022	.7554	30.98	.2839	.2530	1.070	22.75
#1	.2314	2614.	.0130	3.843	7.345	1.502	.0704
#2	.2335	2591.	.0200	3.840	7.379	1.534	.0902
#3	.2316	2575.	.0249	3.823	7.348	1.520	.1117

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0604	-.0932	-.0427	1.872	.2258	.0742	-.0820
SDev	.0081	.0137	.0175	.017	.0311	.0004	.0149
%RSD	13.35	14.72	40.85	.8875	13.75	.5570	18.18
#1	.0525	-.1080	-.0620	1.854	.2389	.0746	-.0932
#2	.0600	-.0809	-.0382	1.875	.1904	.0742	-.0877
#3	.0687	-.0906	-.0280	1.887	.2482	.0738	-.0650

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0059	.0023	1.216	.4926	.0017	12.19	.0009
SDev	.0051	.0003	.014	.0648	.0008	.10	.0003

%RSD	86.51	12.79	1.134	13.16	47.09	.8373	34.23
#1	.0113	.0020	1.203	.4305	.0009	12.31	.0006
#2	.0053	.0023	1.216	.4875	.0017	12.15	.0011
#3	.0011	.0026	1.230	.5599	.0025	12.12	.0011

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1884	.0034
SDev	.0041	.0010
%RSD	2.176	29.34
#1	.1923	.0023
#2	.1888	.0036
#3	.1841	.0042

Analysis Report QC Standard Tue 09-12-95 12:10:47 PM page

Method: ICP1 Sample Name: MCVA 950728I901 Operator: DRS
Run Time: 09/12/95 12:09:28
Comment: DRAINABLE LIQUIDS (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 9/11

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4884	24.92	2.615	2.005	.5083	.0946	24.66
SDev	.0022	.21	.012	.014	.0054	.0007	.18
%RSD	.4449	.8351	.4736	.7169	1.056	.7640	.7394
#1	.4903	25.12	2.628	2.016	.5132	.0953	24.84
#2	.4888	24.94	2.604	2.010	.5090	.0948	24.67
#3	.4860	24.70	2.613	1.989	.5026	.0939	24.47
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.19	.4945	-.0325	1.035	1.031	.9896	.0004
SDev	.15	.0063	.0047	.006	.009	.0085	.0007
%RSD	.5771	1.275	14.61	.6022	.8608	.8607	194.1
#1	25.32	.5012	-.0374	1.040	1.037	.9972	-.0002
#2	25.22	.4934	-.0323	1.035	1.035	.9913	.0001
#3	25.03	.4867	-.0279	1.028	1.020	.9804	.0012
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	20.51	25.39	.0052	1.924	26.54	.5146
SDev	.0003	.14	.24	.0008	.028	.19	.0034
%RSD	13.55	.6976	.9566	14.44	1.445	.7254	.6563
#1	.0018	20.63	25.67	.0045	1.953	26.73	.5173
#2	.0021	20.54	25.30	.0053	1.922	26.55	.5158
#3	.0024	20.35	25.21	.0060	1.898	26.34	.5108
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.037	24.96	.0059	1.062	.0733	2.613	-.0066
SDev	.004	.33	.0074	.008	.0130	.011	.0147
%RSD	.3800	1.336	125.5	.7718	17.72	.4310	221.9
#1	1.041	25.30	-.0021	1.070	.0600	2.619	-.0176
#2	1.037	24.95	.0074	1.060	.0860	2.619	-.0123
#3	1.033	24.63	.0125	1.054	.0739	2.600	.0101
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	2.564	2.526	19.43	-.0793	.5155	.0029
SDev	.0065	.010	.018	.11	.0311	.0049	.0036
%RSD	183.5	.4085	.7051	.5695	39.22	.9536	122.2
#1	-.0034	2.573	2.543	19.52	-.1145	.5202	-.0008
#2	.0045	2.566	2.529	19.45	-.0677	.5160	.0033
#3	.0094	2.553	2.507	19.30	-.0556	.5104	.0064
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0400	1.001	2.546	.0893	.9918	.0355	-.0000
SDev	.0019	.007	.011	.0883	.0067	.0057	.0003
%RSD	4.854	.7471	.4197	98.96	.6795	16.03	1663.
#1	.0413	1.008	2.548	-.0008	.9982	.0315	-.0003
#2	.0378	1.002	2.556	.0928	.9923	.0420	-.0000
#3	.0409	.9933	2.535	.1758	.9848	.0329	.0002
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.034	2.050
SDev	.002	.017
%RSD	.2016	.8297
#1	1.036	2.065
#2	1.034	2.055
#3	1.032	2.032
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Tue 09-12-95 12:15:10 PM page 1

Method: ICP1 Sample Name: SST-ICS-0 9509081100 Operator: DRS
Run Time: 09/12/95 12:13:51
Comment: SEG 3 DRAINABLE LIQUIDS DUP @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0082	96.98	.1334	.0019	.0007	.0007	.0642
SDev	.0005	.49	.0106	.0024	.0001	.0000	.0061
%RSD	5.550	.5002	7.953	122.0	10.12	2.898	9.516
#1	-.0087	97.25	.1437	.0019	.0007	.0007	.0624
#2	-.0079	97.28	.1225	-.0004	.0007	.0007	.0592
#3	-.0080	96.42	.1340	.0043	.0008	.0007	.0710

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0788	.0066	-.1391	.0058	.0367	-.0154	-.0021
SDev	.0009	.0007	.0062	.0001	.0017	.0009	.0003
%RSD	1.148	11.17	4.430	1.347	4.602	5.611	14.08
#1	.0777	.0060	-.1401	.0059	.0348	-.0148	-.0023
#2	.0792	.0075	-.1447	.0058	.0378	-.0164	-.0023
#3	.0794	.0065	-.1325	.0057	.0376	-.0152	-.0018

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	19.89	.0000	.0049	.0062	.3016	.0014
SDev	.0002	.07	.1056	.0000	.0009	.0050	.0004
%RSD	23.63	.3689	155e6	.5091	14.59	1.654	32.58
#1	.0007	19.86	-.0338	.0049	.0071	.2994	.0014
#2	.0006	19.98	-.0846	.0049	.0061	.2981	.0009
#3	.0010	19.84	.1184	.0049	.0054	.3074	.0018

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0106	.0434	-.0177	52.01	.0264	.1944	-.3813
SDev	.0011	.0199	.0050	.17	.0112	.0053	.0029
%RSD	10.40	45.90	28.24	.3238	42.25	2.752	.7593
#1	.0098	.0321	-.0206	51.92	.0393	.1909	-.3787
#2	.0102	.0317	-.0207	52.20	.0198	.1917	-.3810
#3	.0119	.0664	-.0119	51.90	.0202	.2005	-.3844

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0195	.0121	.0182	.0642	.0641	.0002	.0055
SDev	.0079	.0069	.0050	.0020	.0064	.0000	.0066
%RSD	40.42	56.55	27.62	3.126	10.03	11.57	119.3
#1	-.0254	.0047	.0150	.0654	.0588	.0002	.0044
#2	-.0226	.0181	.0240	.0619	.0622	.0002	-.0005
#3	-.0105	.0135	.0157	.0653	.0712	.0002	.0125

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7076	.0015	.2320	49.76	.0022	.0516	.0033
SDev	.0069	.0003	.0099	.26	.0005	.0063	.0002

%RSD	.9704	17.95	4.251	.5212	21.12	12.26	7.354
#1	.7012	.0012	.2317	49.84	.0020	.0552	.0031
#2	.7065	.0016	.2420	49.97	.0019	.0443	.0033
#3	.7149	.0018	.2222	49.47	.0028	.0554	.0035

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0286	9.964
SDev	.0018	.047
%RSD	6.353	.4759
#1	-.0273	9.949
#2	-.0307	10.02
#3	-.0279	9.927

Analysis Report QC Standard Tue 09-12-95 12:18:59 PM page

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/12/95 12:17:39
Comment: DRAINABLE LIQUIDS (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DKB 9/12

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	-.1534	.0303	.0022	.0005	.0002	-.0029
SDev	.0005	.0018	.0038	.0009	.0001	.0000	.0057
%RSD	25.65	1.148	12.57	41.78	13.43	12.29	194.6
#1	.0023	-.1524	.0269	.0026	.0006	.0003	.0033
#2	.0016	-.1555	.0297	.0029	.0005	.0002	-.0041
#3	.0015	-.1524	.0344	.0011	.0005	.0002	-.0079
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0230	.0009	1.979	.0036	.0012	-.0109	1.958
SDev	.0005	.0012	.004	.0003	.0011	.0010	.004
%RSD	2.089	140.9	.1805	9.621	92.25	9.553	.1848
#1	.0235	.0008	1.978	.0039	.0010	-.0118	1.955
#2	.0229	.0021	1.983	.0038	.0002	-.0097	1.962
#3	.0226	-.0003	1.976	.0032	.0024	-.0112	1.957
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.947	.0071	-.0958	1.959	.0029	.0919	.0004
SDev	.003	.0002	.0517	.005	.0012	.0080	.0001
%RSD	.1340	2.470	53.91	.2743	43.12	8.687	19.12
#1	1.945	.0072	-.1522	1.953	.0036	.0873	.0003
#2	1.950	.0069	-.0507	1.964	.0014	.0873	.0004
#3	1.947	.0072	-.0846	1.961	.0036	.1011	.0003
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0260	1.940	.0303	-.0077	.0488	2.087
SDev	.0010	.0129	.006	.0038	.0143	.0064	.006
%RSD	63.03	49.72	.3183	12.40	187.1	13.12	.2716
#1	.0021	.0401	1.933	.0346	.0088	.0455	2.082
#2	.0005	.0231	1.945	.0284	-.0174	.0562	2.086
#3	.0024	.0147	1.942	.0278	-.0143	.0447	2.093
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000

Analysis Report QC Standard Tue 09-12-95 12:18:59 PM page 2

Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.986	.0199	.0186	.0576	2.026	.0006	1.818
SDev	.004	.0088	.0132	.0033	.023	.0000	.012
%RSD	.1870	44.46	71.25	5.659	1.151	.2775	.6842
#1	1.985	.0124	.0083	.0581	2.019	.0006	1.805
#2	1.990	.0177	.0139	.0607	2.052	.0006	1.829
#3	1.982	.0296	.0335	.0542	2.007	.0006	1.822
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	2.000				2.000		2.000
Range	10.00				10.00		10.00

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.004	.0010	.0243	Q8.407	-.0011	Q.4932	.9560
SDev	.015	.0003	.0079	.017	.0002	.0040	.0016
%RSD	.2907	29.92	32.43	.1964	14.03	.8186	.1730
#1	5.004	.0009	.0273	Q8.412	-.0012	Q.4886	.9544
#2	5.018	.0007	.0154	Q8.421	-.0013	Q.4946	.9577
#3	4.989	.0013	.0303	Q8.389	-.0009	Q.4963	.9559
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	QC Pass
Value	5.000			10.00		2.000	1.000
Range	10.00			10.00		10.00	10.00

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0010	-.0083
SDev	.0010	.0006
%RSD	104.6	6.997
#1	.0001	-.0080
#2	.0008	-.0090
#3	.0020	-.0079
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Tue 09-12-95 12:23:05 PM page 1

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/12/95 12:21:46
Comment: DRAINABLE LIQUIDS (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0015	Q.1056	Q.0931	Q.1163	.0492	.0221	.0128
SDev	.0008	.0025	.0029	.0024	.0003	.0001	.0009
%RSD	54.17	2.340	3.088	2.094	.5670	.4063	7.181
#1	Q-.0018	Q.1028	Q.0962	Q.1136	.0494	.0221	.0126
#2	Q-.0021	Q.1071	Q.0906	.1184	.0494	.0222	.0138
#3	Q-.0006	Q.1070	Q.0925	Q.1168	.0489	.0220	.0119
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	NOCHECK
Value	.0022	.1146	.0821	.1190	.0496	.0232	
Range	13.60	4.500	1.500	1.200	6.250	9.500	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	35.72	.0112	-.0142	Q.0252	Q.0220	Q.0150	-.0019
SDev	.14	.0010	.0058	.0004	.0008	.0009	.0010
%RSD	.3907	8.974	40.91	1.484	3.838	5.756	54.88
#1	35.67	.0119	-.0155	Q.0249	Q.0229	Q.0152	-.0021
#2	35.87	.0117	-.0193	Q.0250	Q.0212	Q.0140	-.0027
#3	35.61	Q.0101	-.0079	Q.0256	Q.0221	Q.0157	-.0007
Errors	QC Pass	QC Pass	NOCHECK	QC Fail	QC Fail	QC Fail	NOCHECK
Value	36.80	.0122		.0235	.0190	.0223	
Range	3.800	8.200		3.400	3.200	12.60	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	Q.1190	Q1.640	.0030	Q.0130	Q9.920	.0349
SDev	.0002	.0001	.138	.0016	.0010	.050	.0003
%RSD	52.85	.1195	8.438	51.31	8.103	.5037	.8753
#1	.0005	Q.1191	Q1.674	.0022	Q.0136	Q9.917	.0352
#2	.0002	Q.1189	Q1.488	.0021	Q.0118	Q9.971	.0348
#3	.0006	Q.1191	Q1.759	.0049	Q.0136	Q9.871	.0346
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Pass
Value		.1069	2.300		.0165	9.450	.0351
Range		2.800	10.00		6.100	2.850	6.300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1071	11.99	-.0044	.0673	.0063	Q.0231	-.0296
SDev	.0003	.33	.0056	.0039	.0146	.0056	.0139
%RSD	.2566	2.789	126.4	5.807	229.3	24.35	46.81
#1	Q.1068	12.21	-.0029	.0653	-.0105	Q.0268	-.0284
#2	Q.1073	12.15	-.0107	.0647	.0148	Q.0166	-.0441
#3	Q.1073	Q11.60	.0003	Q.0718	.0147	Q.0259	-.0164
Errors	QC Fail	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK
Value	.1043	12.19		.0606		.0353	

Range	1.800	2.950		12.00		2.500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0165	-.0043	Q.0237	.0077	-.0890	.2650	-.0059
SDev	.0084	.0086	.0003	.0029	.0165	.0022	.0091
%RSD	50.94	202.9	1.133	38.12	18.56	.8442	154.7
#1	-.0186	-.0011	Q.0239	.0080	-.0901	.2653	-.0078
#2	-.0236	-.0140	Q.0239	.0047	-.1049	Q.2670	.0040
#3	-.0072	.0024	Q.0234	.0105	-.0719	.2626	-.0138
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value			.0127			.2636	
Range			5.500			1.000	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0041	.0072	Q.0180	.0048	Q.0263	.0016	-.0026
SDev	.0044	.0003	.0032	.0816	.0006	.0087	.0003
%RSD	106.1	3.657	17.77	1716.	2.122	548.2	11.75
#1	-.0067	.0073	Q.0185	-.0220	Q.0260	-.0084	-.0028
#2	-.0067	.0069	Q.0145	-.0601	Q.0259	.0068	-.0028
#3	.0009	.0075	Q.0209	.0963	Q.0269	.0063	-.0022
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK	NOCHECK
Value			.0079		.0314		
Range			63.30		8.900		

Elem	Zn	Zr
Units	ppm	ppm
Avge	Q.0880	-.0021
SDev	.0017	.0004
%RSD	1.912	19.69
#1	Q.0873	-.0020
#2	Q.0869	-.0025
#3	Q.0900	-.0017
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Tue 09-12-95 12:26:42 PM page

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/12/95 12:25:23
Comment: SEG 3 DRAINABLE LIQUIDS DUP @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	1.922	2.055	1.966	1.004	.9774	1.943
SDev	.0004	.016	.013	.023	.012	.0094	.026
%RSD	77.15	.8088	.6155	1.152	1.240	.9653	1.338
#1	-.0004	1.919	2.052	1.962	1.005	.9768	1.923
#2	-.0001	1.908	2.044	1.946	.9916	.9682	1.934
#3	-.0009	1.939	2.069	1.990	1.016	.9871	1.972

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.958	.9877	-.0034	1.046	.5169	2.012	-.0000
SDev	.010	.0041	.0079	.005	.0081	.022	.0014
%RSD	.4996	.4127	229.9	.4945	1.562	1.098	18460.
#1	1.955	.9867	-.0057	1.046	.5191	2.012	-.0000
#2	1.950	.9842	.0053	1.040	.5079	1.991	.0014
#3	1.969	.9921	-.0099	1.050	.5236	2.035	-.0014

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	2.031	4.673	.0011	1.964	2.099	1.029
SDev	.0003	.015	.093	.0019	.041	.013	.007
%RSD	71.58	.7415	1.993	169.2	2.098	.6027	.6880
#1	.0003	2.029	4.667	.0014	1.982	2.096	1.028
#2	.0008	2.017	4.769	.0028	1.917	2.088	1.022
#3	.0002	2.047	4.583	-.0009	1.993	2.113	1.036

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.015	8.136	-.0035	2.119	4.755	2.072	.0104
SDev	.014	.131	.0070	.010	.072	.007	.0185
%RSD	.6997	1.614	202.3	.4669	1.522	.3294	178.1
#1	2.013	8.197	-.0043	2.111	4.738	2.073	.0069
#2	2.002	7.986	.0039	2.115	4.693	2.065	.0304
#3	2.030	8.226	-.0101	2.130	4.835	2.078	-.0061

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0091	2.002	5.018	-.0147	2.045	-.0148
SDev	.0097	.0061	.005	.038	.0081	.025	.0025
%RSD	379.1	67.09	.2698	.7663	54.94	1.219	16.77
#1	.0000	.0048	2.007	5.017	-.0160	2.046	-.0175
#2	.0133	.0161	1.997	4.980	-.0061	2.020	-.0144
#3	-.0056	.0064	2.003	5.057	-.0221	2.070	-.0126

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	.0001	2.004	-.0142	.9653	.0056	-.0003
SDev	.0020	.0007	.017	.1035	.0084	.0029	.0003

%RSD	54.11	888.3	.8626	730.0	.8657	51.27	95.09
#1	.0040	-.0001	1.999	-.0236	.9642	.0027	-.0005
#2	.0016	.0008	1.990	.0937	.9575	.0084	.0000
#3	.0056	-.0005	2.023	-.1126	.9741	.0058	-.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.044	-.0014
SDev	.010	.0007
%RSD	.9709	51.77
#1	1.047	-.0016
#2	1.033	-.0006
#3	1.053	-.0021

Analysis Report

Tue 09-12-95 12:30:22 PM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 12:29:03
Comment: SEG 3 DRAINABLE LIQUIDS DUP @5X DIL (ACID DIGEST) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	.0019	.0094	.0026	.0001	.0000	.0091
SDev	.0011	.0063	.0065	.0012	.0001	.0000	.0034
%RSD	81.53	341.4	69.48	45.28	83.33	98.88	37.32
#1	-.0024	-.0054	.0048	.0027	.0000	.0000	.0056
#2	-.0002	.0047	.0169	.0038	.0001	.0001	.0093
#3	-.0013	.0062	.0066	.0014	.0001	.0000	.0124

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	-.0019	-.0089	.0011	.0008	-.0008	-.0005
SDev	.0014	.0002	.0055	.0009	.0007	.0009	.0004
%RSD	45.10	11.34	61.51	80.46	91.97	120.7	85.27
#1	.0015	-.0017	-.0151	.0001	.0010	-.0013	-.0008
#2	.0041	-.0018	-.0072	.0018	-.0000	-.0012	-.0000
#3	.0040	-.0021	-.0045	.0015	.0013	.0003	-.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0014	-.4904	-.0007	.0005	.0017	-.0003
SDev	.0002	.0004	.1184	.0007	.0011	.0043	.0001
%RSD	324.6	30.25	24.14	96.61	228.4	252.0	24.26
#1	-.0002	-.0018	-.6257	-.0016	-.0007	-.0025	-.0004
#2	-.0002	-.0010	-.4059	-.0003	.0014	.0015	-.0003
#3	.0002	-.0016	-.4397	-.0004	.0007	.0060	-.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	-.0083	-.0086	.0033	.0013	-.0087	.0028
SDev	.0010	.0152	.0057	.0012	.0128	.0035	.0082
%RSD	52.98	183.3	66.12	37.85	1005.	40.68	294.1
#1	.0009	-.0252	-.0152	.0024	-.0128	-.0108	-.0066
#2	.0017	-.0040	-.0053	.0047	.0122	-.0046	.0072
#3	.0028	.0043	-.0053	.0027	.0044	-.0106	.0078

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0077	-.0025	-.0282	-.0280	.0006	-.0003
SDev	.0052	.0115	.0127	.0050	.0278	.0001	.0064
%RSD	1351.	148.4	499.9	17.88	99.31	12.23	1848.
#1	-.0061	.0052	.0104	-.0330	-.0595	.0005	-.0036
#2	.0040	.0203	-.0149	-.0229	-.0070	.0006	.0071
#3	.0010	-.0023	-.0031	-.0288	-.0174	.0006	-.0045

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	-.0006	.0098	-.0836	-.0009	-.0049	-.0009
SDev	.0072	.0005	.0114	.0290	.0007	.0008	.0002

%RSD	554.1	80.81	116.7	34.62	70.51	16.72	21.88
#1	-.0057	-.0011	.0032	-.0715	-.0016	-.0052	-.0009
#2	-.0052	-.0001	.0032	-.1167	-.0003	-.0039	-.0006
#3	.0070	-.0006	.0230	-.0627	-.0009	-.0054	-.0010

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0001	-.0012
SDev	.0006	.0005
%RSD	427.5	43.85
#1	-.0006	-.0015
#2	.0006	-.0006
#3	.0004	-.0015

Standardization Rpt. Tue 09-12-95 01:53:08 PM page

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.6334	.2033	.1619	.1018	.0298	.0167	.1378
SDev	.0032	.0001	.0021	.0015	.0001	.0001	.0027
%RSD	.5123	.0492	1.290	1.474	.5132	.3464	1.949
#1	.6343	.2034	.1609	.1003	.0298	.0166	.1362
#2	.6298	.2032	.1643	.1019	.0296	.0167	.1363
#3	.6361	.2033	.1605	.1033	.0299	.0167	.1409

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1229	.0438	.6070	.1375	.0460	.0448	.1889
SDev	.0004	.0014	.0015	.0002	.0006	.0003	.0007
%RSD	.3289	3.139	.2473	.1514	1.198	.6824	.3830
#1	.1228	.0423	.6069	.1374	.0466	.0451	.1884
#2	.1225	.0450	.6055	.1377	.0456	.0447	.1885
#3	.1233	.0441	.6085	.1373	.0457	.0445	.1897

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0328	.0542	.2097	.0964	.0407	.2297	.0190
SDev	.0001	.0001	.0007	.0002	.0003	.0006	.0001
%RSD	.1758	.2817	.3127	.2395	.8511	.2551	.5263
#1	.0328	.0541	.2096	.0963	.0409	.2290	.0189
#2	.0328	.0542	.2091	.0963	.0403	.2299	.0190
#3	.0329	.0544	.2104	.0967	.0409	.2301	.0191

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0782	.0402	.3556	.0462	.1251	1.293	1.485
SDev	.0005	.0002	.0016	.0009	.0020	.004	.007
%RSD	.6565	.4975	.4604	1.941	1.610	.3453	.4695
#1	.0776	.0400	.3560	.0457	.1272	1.291	1.483
#2	.0786	.0402	.3538	.0456	.1232	1.290	1.478
#3	.0783	.0404	.3570	.0472	.1248	1.298	1.492

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.474	.2523	.1488	.3657	.6572	.0139	.9594
SDev	.006	.0016	.0009	.0016	.0018	.0001	.0028
%RSD	.4191	.6320	.6099	.4420	.2666	.4144	.2905
#1	1.474	.2531	.1496	.3648	.6554	.0139	.9602
#2	1.469	.2534	.1489	.3648	.6573	.0139	.9563
#3	1.481	.2505	.1478	.3676	.6589	.0140	.9617

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.2281	.0628	.0344	1.666	.0945	.0296	.0247
SDev	.0011	.0001	.0003	.009	.0004	.0004	.0001
%RSD	.4941	.1838	.8890	.5288	.3815	1.280	.4049
#1	.2274	.0627	.0347	1.666	.0944	.0300	.0246
#2	.2275	.0629	.0341	1.658	.0942	.0293	.0247
#3	.2294	.0629	.0343	1.676	.0949	.0294	.0248

Elem	Zn	Zr
Avge	.0323	.0784
SDev	.0009	.0003

Standardization Rpt. Tue 09-12-95 01:53:08 PM page 2

%RSD	2.953	.4102
#1	.0317	.0780
#2	.0334	.0785
#3	.0318	.0786

Standardization Rpt. Tue 09-12-95 01:54:52 PM page 1

Method: ICP1 Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	8.206	17.63	12.68	4.546	74.70	45.60	12.14
SDev	.018	.02	.01	.011	.08	.05	.02
%RSD	.2133	.1095	.0575	.2524	.1010	.0994	.1647
#1	8.200	17.62	12.67	4.537	74.74	45.60	12.12
#2	8.191	17.61	12.67	4.541	74.61	45.55	12.12
#3	8.225	17.65	12.68	4.559	74.74	45.64	12.16

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	5.755	6.088	59.29	8.602	15.19	30.00	25.92
SDev	.025	.009	.04	.031	.02	.04	.03
%RSD	.4370	.1406	.0697	.3587	.1429	.1404	.0976
#1	5.729	6.093	59.28	8.580	15.19	29.99	25.92
#2	5.757	6.078	59.25	8.588	15.17	29.96	25.90
#3	5.780	6.092	59.33	8.637	15.21	30.04	25.95

Standardization Rpt. Tue 09-12-95 01:58:57 PM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	75.23	51.14	79.43	9.977	3.003	13.56	7.171
SDev	.25	.14	.20	.050	.014	.07	.020
%RSD	.3303	.2701	.2560	.5001	.4515	.5012	.2759
#1	75.51	51.30	79.61	10.03	3.019	13.64	7.192
#2	75.14	51.09	79.48	9.946	2.994	13.51	7.169
#3	75.04	51.03	79.21	9.950	2.997	13.54	7.153

Elem	P
Avge	13.99
SDev	.02
%RSD	.1609
#1	14.02
#2	13.97
#3	14.00

Standardization Rpt. Tue 09-12-95 02:02:49 PM page 1

Method: ICP1 Standard: STD4

Elem	Dy	Eu	La	Nd	Th
Avge	49.67	11.45	6.312	17.12	12.03
SDev	.28	.06	.028	.08	.05
%RSD	.5658	.4884	.4372	.4797	.4140
#1	49.96	11.50	6.337	17.20	12.07
#2	49.39	11.39	6.283	17.04	11.97
#3	49.65	11.46	6.317	17.13	12.04

Standardization Rpt. Tue 09-12-95 02:06:28 PM page 1

Method: ICP1 Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	27.54	25.39	36.56	12.35	3.203
SDev	.07	.10	.08	.04	.015
%RSD	.2552	.4007	.2180	.3484	.4702
#1	27.61	25.51	36.65	12.39	3.220
#2	27.47	25.35	36.51	12.32	3.196
#3	27.54	25.32	36.52	12.32	3.193

Standardization Rpt. Tue 09-12-95 02:09:53 PM page

Method: ICP1 Standard: STD6

Elem	U
Avge	51.52
SDev	.22
%RSD	.4357
#1	51.71
#2	51.27
#3	51.58

Standardization Rpt. Tue 09-12-95 02:13:52 PM page 1

Method: ICP1 Standard: STD7

Elem	Be	Si	Te
Avge	1.878	78.48	56.08
SDev	.008	.27	.18
%RSD	.4066	.3389	.3130
#1	1.869	78.18	55.89
#2	1.881	78.56	56.15
#3	1.883	78.70	56.22

Standardization Rpt. Tue 09-12-95 02:17:33 PM page .

Method: ICP1 Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	30.53	27.34	3.962	1.228
SDev	.05	.03	.006	.001
%RSD	.1718	.1158	.1519	.1170
#1	30.59	27.37	3.965	1.226
#2	30.50	27.31	3.955	1.228
#3	30.50	27.33	3.966	1.229

Standardization Rpt. Tue 09-12-95 02:21:27 PM page 1

Method: ICP1 Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	21.02	50.06	8.461	3.237
SDev	.10	.26	.032	.021
%RSD	.4626	.5136	.3834	.6437
#1	20.91	49.76	8.424	3.213
#2	21.07	50.17	8.475	3.247
#3	21.08	50.24	8.484	3.251

Standardization Report Tue 09-12-95 02:21:40 PM page 1

Method: ICP1 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	STD8	STD1-Blank	.334490	-.211866	09/12/95 02:20:09
Al	308.215	STD3	STD1-Blank	6.66407	-1.35481	09/12/95 02:20:09
As	193.600	STD5	STD1-Blank	3.65271	-.591374	09/12/95 02:20:09
B	249.600	STD3	STD1-Blank	.979631	-.099759	09/12/95 02:20:09
Ba	493.400	STD2	STD1-Blank	1.22313	-.036408	09/12/95 02:20:09
Be	313.042	STD7	STD1-Blank	.537317	-.008955	09/12/95 02:20:09
Bi	223.061	STD8	STD1-Blank	3.67656	-.506630	09/12/95 02:20:09
Ca	317.900	STD3	STD1-Blank	3.15214	-.387292	09/12/95 02:20:09
Cd	228.800	STD3	STD1-Blank	1.00674	-.044095	09/12/95 02:20:09
Ce	418.659	STD5	STD1-Blank	2.01736	-1.22447	09/12/95 02:20:09
Co	228.600	STD2	STD1-Blank	1.14353	-.157198	09/12/95 02:20:09
Cr	205.500	STD2	STD1-Blank	1.58351	-.072789	09/12/95 02:20:09
Cu	324.700	STD2	STD1-Blank	4.44365	-.198928	09/12/95 02:20:09
Dy	353.170	STD4	STD1-Blank	1.01053	-.190856	09/12/95 02:20:09
Eu	381.900	STD4	STD1-Blank	1.75158	-.057510	09/12/95 02:20:09
Fe	259.900	STD2	STD1-Blank	2.67949	-.145318	09/12/95 02:20:09
K	766.500	STD3	STD1-Blank	178.989	-37.5340	09/12/95 02:20:09
La	398.852	STD4	STD1-Blank	3.21750	-.310275	09/12/95 02:20:09
Li	670.700	STD3	STD1-Blank	3.69810	-.150513	09/12/95 02:20:09
Mg	279.078	STD2	STD1-Blank	5.51051	-1.26558	09/12/95 02:20:09
Mn	257.600	STD3	STD1-Blank	1.39816	-.026565	09/12/95 02:20:09
Mo	202.000	STD2	STD1-Blank	1.65879	-.129662	09/12/95 02:20:09
Na	588.900	STD2	STD1-Blank	43.7427	-1.75846	09/12/95 02:20:09
Nd	406.106	STD4	STD1-Blank	2.98191	-1.06037	09/12/95 02:20:09
Ni	231.600	STD2	STD1-Blank	3.31045	-.152833	09/12/95 02:20:09
P	214.900	STD3	STD1-Blank	7.21057	-.901802	09/12/95 02:20:
Pb	220.300	STD2	STD1-Blank	.862154	-1.11477	09/12/95 02:20:0
Pd	360.959	STD9	STD1-Blank	2.55960	-3.79981	09/12/95 02:20:09
Rh	343.489	STD9	STD1-Blank	1.02916	-1.51739	09/12/95 02:20:09
Sb	206.838	STD5	STD1-Blank	2.75449	-.695050	09/12/95 02:20:09
Se	196.026	STD6	STD1-Blank	5.24540	-.780340	09/12/95 02:20:09
Si	288.100	STD7	STD1-Blank	2.56031	-.936390	09/12/95 02:20:09
Sn	242.950	STD9	STD1-Blank	7.36500	-4.84028	09/12/95 02:20:09
Sr	421.500	STD2	STD1-Blank	1.16446	-.016225	09/12/95 02:20:09
Te	214.275	STD7	STD1-Blank	.907028	-.870203	09/12/95 02:20:09
Th	283.730	STD4	STD1-Blank	4.23798	-.966684	09/12/95 02:20:09
Ti	334.900	STD2	STD1-Blank	1.32196	-.083063	09/12/95 02:20:09
Tl	190.864	STD8	STD1-Blank	16.7579	-.575913	09/12/95 02:20:09
U	378.280	STD6	STD1-Blank	10.0291	-16.7128	09/12/95 02:20:09
V	292.402	STD5	STD1-Blank	1.63253	-.154274	09/12/95 02:20:09
W	224.875	STD9	STD1-Blank	15.7964	-.467046	09/12/95 02:20:09
Y	371.030	STD5	STD1-Blank	3.14611	-.077709	09/12/95 02:20:09
Zn	213.800	STD2	STD1-Blank	.667437	-.021558	09/12/95 02:20:09
Zr	339.100	STD2	STD1-Blank	1.93450	-.151600	09/12/95 02:20:09

Standardization Report Tue 09-12-95 02:22:07 PM page 1

Method: ICP1 Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	STD8	STD1-Blank	2.98963	.211866	09/12/95 02:20:09
Al	308.215	STD3	STD1-Blank	.150058	1.35481	09/12/95 02:20:09
As	193.600	STD5	STD1-Blank	.273769	.591374	09/12/95 02:20:09
B	249.600	STD3	STD1-Blank	1.02079	.099759	09/12/95 02:20:09
Ba	493.400	STD2	STD1-Blank	.817577	.036408	09/12/95 02:20:09
Be	313.042	STD7	STD1-Blank	1.86110	.008955	09/12/95 02:20:09
Bi	223.061	STD8	STD1-Blank	.271993	.506630	09/12/95 02:20:09
Ca	317.900	STD3	STD1-Blank	.317245	.387292	09/12/95 02:20:09
Cd	228.800	STD3	STD1-Blank	.993303	.044095	09/12/95 02:20:09
Ce	418.659	STD5	STD1-Blank	.495698	1.22447	09/12/95 02:20:09
Co	228.600	STD2	STD1-Blank	.874483	.157198	09/12/95 02:20:09
Cr	205.500	STD2	STD1-Blank	.631508	.072789	09/12/95 02:20:09
Cu	324.700	STD2	STD1-Blank	.225040	.198928	09/12/95 02:20:09
Dy	353.170	STD4	STD1-Blank	.989577	.190856	09/12/95 02:20:09
Eu	381.900	STD4	STD1-Blank	.570913	.057510	09/12/95 02:20:09
Fe	259.900	STD2	STD1-Blank	.373206	.145318	09/12/95 02:20:09
K	766.500	STD3	STD1-Blank	.005587	37.5340	09/12/95 02:20:09
La	398.852	STD4	STD1-Blank	.310800	.310275	09/12/95 02:20:09
Li	670.700	STD3	STD1-Blank	.270409	.150513	09/12/95 02:20:09
Mg	279.078	STD2	STD1-Blank	.181471	1.26558	09/12/95 02:20:09
Mn	257.600	STD3	STD1-Blank	.715223	.026565	09/12/95 02:20:09
Mo	202.000	STD2	STD1-Blank	.602848	.129662	09/12/95 02:20:09
Na	588.900	STD2	STD1-Blank	.022861	1.75846	09/12/95 02:20:09
Nd	406.106	STD4	STD1-Blank	.335355	1.06037	09/12/95 02:20:09
Ni	231.600	STD2	STD1-Blank	.302073	.152833	09/12/95 02:20:09
P	214.900	STD3	STD1-Blank	.138685	.901802	09/12/95 02:20:09
Pb	220.300	STD2	STD1-Blank	1.15989	1.11477	09/12/95 02:20:09
Pd	360.959	STD9	STD1-Blank	.390687	3.79981	09/12/95 02:20:09
Rh	343.489	STD9	STD1-Blank	.971670	1.51739	09/12/95 02:20:09
Sb	206.838	STD5	STD1-Blank	.363044	.695050	09/12/95 02:20:09
Se	196.026	STD8	STD1-Blank	.190643	.780340	09/12/95 02:20:09
Si	288.100	STD7	STD1-Blank	.390578	.936390	09/12/95 02:20:09
Sn	242.950	STD9	STD1-Blank	.135777	4.84028	09/12/95 02:20:09
Sr	421.500	STD2	STD1-Blank	.858770	.016225	09/12/95 02:20:09
Te	214.275	STD7	STD1-Blank	1.10250	.870203	09/12/95 02:20:09
Th	283.730	STD4	STD1-Blank	.235961	.966684	09/12/95 02:20:09
Ti	334.900	STD2	STD1-Blank	.756455	.083063	09/12/95 02:20:09
Tl	190.864	STD8	STD1-Blank	.059673	.575913	09/12/95 02:20:09
U	378.280	STD6	STD1-Blank	.099710	16.7128	09/12/95 02:20:09
V	292.402	STD5	STD1-Blank	.612547	.154274	09/12/95 02:20:09
W	224.875	STD9	STD1-Blank	.063306	.467046	09/12/95 02:20:09
Y	371.030	STD5	STD1-Blank	.317853	.077709	09/12/95 02:20:09
Zn	213.800	STD2	STD1-Blank	1.49827	.021558	09/12/95 02:20:09
Zr	339.100	STD2	STD1-Blank	.516930	.151600	09/12/95 02:20:09

Standardization Readback Report Tue 09-12-95 02:22:45 PM page 1

Method: ICP1

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	STD1-Blank	.000000	.000000	-.000000
		STD8	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al	308.215	STD1-Blank	.000000	-.000000	.000000
		STD3	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As	193.600	STD1-Blank	.000000	.000000	-.000000
		STD5	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B	249.600	STD1-Blank	.000000	.000000	-.000000
		STD3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	STD1-Blank	.000000	-.000000	.000000
		STD2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	STD1-Blank	.000000	-.000000	.000000
		STD7	1.00000	1.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	STD1-Blank	.000000	.000000	-.000000
		STD8	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	STD1-Blank	.000000	.000000	-.000000
		STD3	250.000	250.000	-.000015
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	STD1-Blank	.000000	.000000	-.000000
		STD3	10.0000	10.00000	.000001
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	STD1-Blank	.000000	-.000000	.000000
		STD5	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Standardization Readback Report Tue 09-12-95 02:22:45 PM page 2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	STD1-Blank	.000000	-.000000	.000000
		STD4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	STD1-Blank	.000000	.000000	-.000000
		STD4	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	STD1-Blank	.000000	-.000000	.000000
		STD2	200.000	200.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	STD1-Blank	.000000	.000002	-.000002
		STD3	500.000	500.000	-.000031

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	STD1-Blank	.000000	.000000	-.000000
		STD4	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	STD1-Blank	.000000	-.000000	.000000
		STD3	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	STD1-Blank	.000000	-.000000	.000000
		STD2	250.000	250.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	STD1-Blank	.000000	.000000	-.000000
		STD3	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Standardization Readback Report Tue 09-12-95 02:22:45 PM page

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	STD1-Blank	.000000	.000000	-.000000
		STD2	250.000	250.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	STD1-Blank	.000000	-.000000	.000000
		STD4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	STD1-Blank	.000000	.000000	-.000000
		STD3	100.000	100.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	STD1-Blank	.000000	-.000000	.000000
		STD2	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	STD1-Blank	.000000	-.000000	.000000
		STD9	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb	206.838	STD1-Blank	.000000	-.000000	.000000
		STD5	100.000	100.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se	196.026	STD1-Blank	.000000	-.000000	.000000
		STD8	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si	288.100	STD1-Blank	.000000	-.000000	.000000
		STD7	200.000	200.000	.000015

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn	242.950	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	57.4769	-7.47695

Standardization Readback Report Tue 09-12-95 02:22:45 PM page 4

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	STD1-Blank	.000000	.000000	-.000000
		STD2	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te	214.275	STD1-Blank	.000000	.000000	-.000000
		STD7	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th	283.730	STD1-Blank	.000000	.000000	-.000000
		STD4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti	334.900	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl	190.864	STD1-Blank	.000000	.000000	-.000000
		STD8	20.0000	20.0000	-.000002

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U	378.280	STD1-Blank	.000000	.000001	-.000001
		STD6	500.000	500.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	STD1-Blank	.000000	-.000000	.000000
		STD5	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W	224.875	STD1-Blank	.000000	-.000000	.000000
		STD9	50.0000	50.6669	-.666901

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	STD1-Blank	.000000	.000000	-.000000
		STD5	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	STD1-Blank	.000000	.000000	-.000000
		STD2	50.0000	50.0000	.000000

Analysis Report Tue 09-12-95 02:36:54 PM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 14:35:34
Comment: (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0033	-.0001	.0045	-.0001	.0000	-.0008
SDev	.0003	.0026	.0122	.0015	.0001	.0000	.0030
%RSD	32.13	76.42	11100.	32.41	151.8	183.9	382.6
#1	-.0010	-.0060	-.0129	.0047	-.0002	-.0000	-.0034
#2	-.0005	-.0032	.0115	.0029	.0000	.0000	-.0014
#3	-.0009	-.0009	.0010	.0058	-.0001	.0000	.0025

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0001	-.0018	.0000	-.0013	.0047	-.0010
SDev	.0009	.0008	.0041	.0007	.0009	.0004	.0008
%RSD	180.7	1372.	224.9	2318.	65.08	8.208	86.73
#1	-.0009	-.0009	-.0048	-.0003	-.0023	.0047	-.0019
#2	.0006	-.0001	-.0035	-.0004	-.0007	.0043	-.0006
#3	-.0012	.0008	.0028	.0008	-.0009	.0050	-.0004

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0007	-.1909	-.0012	.0004	-.0017	-.0000
SDev	.0001	.0009	.1192	.0002	.0004	.0030	.0002
%RSD	67.68	120.6	62.42	18.21	100.1	181.5	669.1
#1	-.0003	-.0014	-.3222	-.0013	.0007	-.0050	-.0002
#2	-.0002	.0002	-.0895	-.0010	.0004	-.0008	.0000
#3	-.0001	-.0009	-.1611	-.0014	-.0000	.0008	.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0276	-.0039	-.0013	.0091	-.0034	-.0100
SDev	.0010	.0090	.0021	.0021	.0015	.0051	.0122
%RSD	241.7	32.63	52.98	161.4	16.67	150.4	122.6
#1	-.0015	-.0304	-.0063	-.0025	.0106	-.0091	-.0240
#2	.0004	-.0349	-.0034	.0011	.0076	.0008	-.0018
#3	-.0001	-.0175	-.0022	-.0025	.0090	-.0020	-.0041

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0093	.0024	.0020	.0338	-.0054	.0001	-.0076
SDev	.0058	.0041	.0070	.0006	.0152	.0001	.0081
%RSD	62.51	168.0	345.2	1.822	282.0	50.32	106.7
#1	-.0158	-.0019	-.0036	.0338	-.0207	.0001	-.0146
#2	-.0079	.0030	-.0002	.0344	-.0051	.0001	-.0096
#3	-.0044	.0061	.0099	.0331	.0096	.0002	.0013

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0071	-.0003	-.0013	-.0616	-.0011	.0071	-.0005
SDev	.0032	.0002	.0076	.0974	.0005	.0103	.0003

%RSD	45.39	61.59	566.5	158.1	42.18	145.1	63.82
#1	-.0102	-.0006	-.0061	-.1699	-.0017	.0057	-.0008
#2	-.0038	-.0001	.0075	-.0340	-.0007	-.0025	-.0003
#3	-.0073	-.0003	-.0054	.0190	-.0010	.0180	-.0003

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0002	-.0008
SDev	.0012	.0005
%RSD	685.4	65.56
#1	.0004	-.0014
#2	-.0015	-.0006
#3	.0006	-.0004

Analysis Report Tue 09-12-95 02:39:04 PM page 1

Method: ICP1 Sample Name: 2% HNO3 DILUENT PUMP Operator: DRS
Run Time: 09/12/95 14:37:45
Comment: (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0054	.0061	.0075	.0003	.0001	.0069
SDev	.0002	.0015	.0058	.0011	.0001	.0000	.0077
%RSD	12.18	28.10	96.51	14.79	21.78	45.14	111.6
#1	.0020	.0052	-.0007	.0076	.0003	.0001	.0107
#2	.0020	.0070	.0101	.0063	.0004	.0000	-.0020
#3	.0016	.0040	.0088	.0085	.0003	.0001	.0121

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0360	.0007	.0125	.0015	.0006	.0049	.0012
SDev	.0005	.0012	.0051	.0003	.0013	.0004	.0003
%RSD	1.319	167.9	40.72	16.68	195.4	9.031	25.41
#1	-.0357	.0011	.0097	.0014	.0006	.0046	.0009
#2	-.0365	-.0006	.0095	.0013	.0019	.0054	.0015
#3	-.0357	.0016	.0184	.0018	-.0006	.0046	.0013

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0059	.3878	.0028	.0016	.0116	.0004
SDev	.0002	.0008	.0450	.0004	.0013	.0019	.0001
%RSD	30.82	13.10	11.61	13.87	80.96	16.39	38.97
#1	.0004	.0050	.3401	.0032	.0004	.0097	.0002
#2	.0005	.0066	.4296	.0024	.0015	.0115	.0003
#3	.0007	.0061	.3938	.0028	.0030	.0135	.0005

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0144	.0124	.0011	.0145	.0172	.0365
SDev	.0012	.0177	.0024	.0005	.0110	.0055	.0101
%RSD	221.2	122.8	19.10	46.21	76.10	31.73	27.73
#1	-.0008	.0173	.0097	.0017	.0154	.0218	.0263
#2	.0013	.0304	.0138	.0007	.0030	.0187	.0465
#3	.0011	-.0046	.0137	.0010	.0250	.0112	.0366

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0143	.0077	.0090	.0394	.0423	.0003	.0071
SDev	.0019	.0083	.0047	.0046	.0041	.0001	.0080
%RSD	13.18	107.0	51.88	11.62	9.741	20.83	112.8
#1	.0129	-.0007	.0070	.0356	.0392	.0004	-.0020
#2	.0137	.0082	.0057	.0383	.0470	.0003	.0132
#3	.0165	.0158	.0143	.0445	.0406	.0003	.0100

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0060	.0006	-.0041	.1722	.0008	.0068	.0008
SDev	.0035	.0001	.0076	.0333	.0003	.0060	.0003

%RSD	58.08	10.64	186.5	19.37	34.68	87.50	35.50
#1	-.0038	.0005	-.0087	.1447	.0011	.0111	.0005
#2	-.0099	.0006	.0047	.2093	.0005	.0094	.0011
#3	-.0042	.0006	-.0082	.1625	.0009	-.0000	.0008

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0003	.0012
SDev	.0003	.0004
%RSD	83.57	32.94
#1	-.0006	.0008
#2	-.0005	.0016
#3	-.0000	.0012

Analysis Report Tue 09-12-95 02:41:48 PM page 1

Method: ICP1 Sample Name: "PIPETED" STD1-BLK Operator: DRS
Run Time: 09/12/95 14:40:28
Comment: (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0052	.0070	.0054	.0004	.0000	.0042
SDev	.0002	.0013	.0110	.0016	.0001	.0000	.0101
%RSD	13.20	25.36	156.8	30.49	31.72	8.517	240.4
#1	.0013	.0068	.0115	.0066	.0005	.0000	-.0049
#2	.0016	.0048	-.0055	.0061	.0005	.0000	.0025
#3	.0016	.0042	.0150	.0035	.0003	.0001	.0150

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	-.0012	.0098	.0019	-.0006	.0063	.0014
SDev	.0003	.0005	.0031	.0008	.0010	.0001	.0003
%RSD	3.289	38.36	31.10	44.29	177.6	1.315	18.37
#1	.0101	-.0009	.0128	.0021	-.0002	.0062	.0015
#2	.0106	-.0010	.0099	.0026	.0002	.0063	.0016
#3	.0099	-.0018	.0067	.0010	-.0017	.0064	.0011

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0013	.2923	.0019	.0011	.0098	.0003
SDev	.0002	.0007	.0919	.0002	.0006	.0075	.0003
%RSD	43.40	51.69	31.42	9.294	58.02	76.66	110.9
#1	.0003	.0012	.2685	.0020	.0015	.0046	.0003
#2	.0007	.0021	.3936	.0018	.0004	.0183	-.0001
#3	.0004	.0007	.2148	.0021	.0015	.0064	.0005

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0157	.0115	.0021	.0395	.0114	.0381
SDev	.0002	.0197	.0002	.0024	.0100	.0095	.0022
%RSD	21.30	125.5	1.484	113.8	25.39	83.70	5.817
#1	.0006	.0346	.0117	-.0007	.0281	.0004	.0380
#2	.0010	.0172	.0116	.0033	.0472	.0170	.0403
#3	.0008	-.0047	.0113	.0037	.0432	.0167	.0359

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0101	.0108	.0098	.0251	.0373	.0003	.0071
SDev	.0018	.0015	.0040	.0011	.0047	.0001	.0018
%RSD	17.99	14.02	40.99	4.376	12.56	19.46	24.88
#1	.0111	.0091	.0062	.0262	.0338	.0004	.0053
#2	.0112	.0119	.0090	.0250	.0356	.0003	.0073
#3	.0080	.0113	.0141	.0240	.0427	.0003	.0088

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0055	.0005	-.0066	.1838	.0009	.0132	.0005
SDev	.0053	.0001	.0029	.0307	.0005	.0087	.0000

%RSD	95.82	17.15	43.41	16.70	51.10	66.01	3.611
#1	-.0057	.0004	-.0089	.2192	.0010	.0126	.0005
#2	-.0002	.0006	-.0034	.1658	.0014	.0048	.0005
#3	-.0107	.0005	-.0076	.1663	.0004	.0222	.0005

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0008	.0016
SDev	.0002	.0002
%RSD	20.01	11.12
#1	.0007	.0018
#2	.0008	.0017
#3	.0010	.0015

Analysis Report Tue 09-12-95 02:45:09 PM page

Method: ICP1 Sample Name: MCVA @5X Operator: DRS
Run Time: 09/12/95 14:43:49
Comment: MCVA @5X DIL (Ca CONTAMINATIO CHECK)(Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0982	5.015	.5176	.4049	.1032	.0190	4.985
SDev	.0002	.052	.0094	.0047	.0011	.0001	.045
%RSD	.2150	1.037	1.806	1.167	1.105	.4825	.9098
#1	.0981	4.957	.5129	.4004	.1019	.0189	4.944
#2	.0984	5.030	.5283	.4045	.1035	.0191	4.978
#3	.0980	5.057	.5114	.4098	.1041	.0190	5.034

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.017	.0983	-.0063	.2098	.2084	.2057	-.0005
SDev	.019	.0004	.0101	.0009	.0026	.0016	.0014
%RSD	.3796	.4383	160.1	.4120	1.228	.8043	285.4
#1	4.996	.0978	.0024	.2105	.2097	.2040	.0011
#2	5.034	.0984	-.0040	.2099	.2055	.2058	-.0011
#3	5.020	.0986	-.0174	.2088	.2101	.2073	-.0015

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	4.177	5.495	.0004	.4029	5.447	.1029
SDev	.0003	.025	.082	.0022	.0126	.048	.0006
%RSD	62.81	.5891	1.493	577.4	3.131	.8872	.5849
#1	.0007	4.149	5.584	.0025	.3897	5.396	.1022
#2	.0005	4.191	5.423	.0005	.4041	5.452	.1033
#3	.0002	4.192	5.477	-.0019	.4148	5.492	.1033

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2086	5.257	.0029	.2129	.0380	.5344	.0013
SDev	.0015	.228	.0094	.0024	.0085	.0015	.0195
%RSD	.7435	4.331	323.4	1.111	22.36	.2884	1452.
#1	.2078	5.027	.0136	.2105	.0394	.5332	.0203
#2	.2103	5.263	-.0005	.2129	.0456	.5361	.0024
#3	.2075	5.482	-.0043	.2152	.0288	.5339	-.0187

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.4949	.5154	3.853	-.0158	.1040	-.0022
SDev	.0080	.0095	.0135	.027	.0163	.0010	.0037
%RSD	1767.	1.916	2.615	.7127	103.4	.9383	167.7
#1	.0080	.4840	.5308	3.822	.0003	.1029	.0013
#2	-.0015	.5007	.5060	3.863	-.0153	.1043	-.0060
#3	-.0079	.5001	.5093	3.875	-.0324	.1048	-.0019

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.2016	.5055	.0257	.2010	.0145	.0002
SDev	.0039	.0010	.0098	.1129	.0002	.0097	.0005

Analysis Report

Tue 09-12-95 02:45:09 PM

%RSD	337.2	.5196	1.937	439.1	.1142	66.68	217.6
#1	.0056	.2003	.4957	.1492	.2009	.0253	.0008
#2	-.0008	.2021	.5053	.0001	.2008	.0066	-.0001
#3	-.0014	.2022	.5153	-.0722	.2013	.0116	-.0000

Elem	Zn	Zr
Units	ppm	ppm
Avge	.2077	.4114
SDev	.0010	.0025
%RSD	.4983	.5983
#1	.2070	.4086
#2	.2071	.4131
#3	.2089	.4126

Analysis Report

Tue 09-12-95 02:48:13 PM

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 14:46:53
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0026	-.0100	-.0081	.0030	-.0004	.0000	-.0042
SDev	.0005	.0040	.0007	.0010	.0001	.0000	.0015
%RSD	20.40	39.90	9.234	33.83	38.73	147.7	34.98
#1	-.0025	-.0133	-.0087	.0039	-.0004	.0000	-.0028
#2	-.0021	-.0055	-.0082	.0019	-.0002	.0000	-.0041
#3	-.0031	-.0111	-.0073	.0033	-.0004	.0000	-.0057

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0028	.0001	-.0144	-.0014	-.0012	.0019	-.0024
SDev	.0012	.0013	.0033	.0005	.0009	.0004	.0006
%RSD	43.20	983.5	23.18	35.13	72.66	23.10	25.80
#1	-.0041	-.0004	-.0176	-.0018	-.0005	.0014	-.0028
#2	-.0016	.0016	-.0109	-.0015	-.0021	.0019	-.0017
#3	-.0028	-.0008	-.0147	-.0008	-.0008	.0022	-.0028

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	-.0013	-.5191	-.0043	-.0020	-.0063	-.0002
SDev	.0001	.0003	.1860	.0012	.0006	.0004	.0002
%RSD	23.33	24.41	35.84	27.93	28.68	6.445	121.5
#1	-.0008	-.0016	-.6265	-.0040	-.0018	-.0067	-.0003
#2	-.0005	-.0009	-.3043	-.0033	-.0015	-.0059	.0000
#3	-.0006	-.0013	-.6265	-.0056	-.0026	-.0065	-.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	-.0419	-.0154	-.0012	-.0068	-.0105	-.0439
SDev	.0018	.0263	.0030	.0013	.0095	.0082	.0067
%RSD	211.8	62.72	19.26	108.9	140.0	78.07	15.29
#1	-.0027	-.0696	-.0165	-.0027	-.0031	-.0178	-.0503
#2	.0009	-.0172	-.0120	-.0005	.0003	-.0016	-.0369
#3	-.0008	-.0389	-.0177	-.0004	-.0176	-.0121	-.0444

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0202	-.0045	-.0125	.0100	-.0750	.0000	-.0131
SDev	.0053	.0036	.0029	.0047	.0250	.0001	.0048
%RSD	26.42	80.86	23.15	46.89	33.35	299.8	36.63
#1	-.0248	-.0047	-.0102	.0053	-.0831	-.0000	-.0180
#2	-.0144	-.0080	-.0157	.0147	-.0470	.0001	-.0084
#3	-.0214	-.0008	-.0115	.0099	-.0950	-.0000	-.0130

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0069	-.0011	-.0144	-.2240	-.0022	.0075	-.0009
SDev	.0040	.0004	.0067	.0700	.0006	.0125	.0002

%RSD	57.19	32.66	46.63	31.23	29.13	165.5	17.93
#1	-.0098	-.0013	-.0215	-.2674	-.0028	.0171	-.0011
#2	-.0086	-.0007	-.0081	-.1433	-.0015	.0121	-.0008
#3	-.0024	-.0014	-.0136	-.2613	-.0022	-.0066	-.0008

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0002	-.0021
SDev	.0007	.0005
%RSD	370.4	23.60
#1	-.0006	-.0019
#2	.0003	-.0017
#3	.0008	-.0026

Analysis Report QC Standard Tue 09-12-95 02:51:09 PM page

Method: ICP1 Sample Name: MCVA 950728H901 Operator: DRS
Run Time: 09/12/95 14:49:50
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

FAIL-K DLG 9/11

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4875	25.04	2.563	1.983	.5141	.0935	24.53
SDev	.0020	.18	.013	.013	.0040	.0004	.15
%RSD	.4109	.7351	.4898	.6367	.7787	.4232	.6085
#1	.4891	25.15	2.567	1.986	.5170	.0937	24.66
#2	.4881	25.14	2.573	1.995	.5158	.0936	24.56
#3	.4853	24.83	2.549	1.970	.5095	.0930	24.36
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.80	.4914	-.0420	1.026	1.028	1.014	-.0007
SDev	.07	.0024	.0069	.002	.001	.005	.0008
%RSD	.2632	.4839	16.43	.2140	.1249	.5182	111.7
#1	24.84	.4898	-.0467	1.027	1.028	1.017	-.0015
#2	24.84	.4942	-.0453	1.027	1.030	1.017	-.0009
#3	24.72	.4904	-.0341	1.023	1.027	1.008	.0002
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	20.47	Q27.79	.0033	2.030	26.69	.5097
SDev	.0003	.08	.41	.0011	.033	.14	.0027
%RSD	18.23	.4096	1.478	33.16	1.648	.5411	.5293
#1	.0015	20.53	Q27.98	.0021	2.052	26.79	.5117
#2	.0017	20.51	Q28.07	.0037	2.048	26.76	.5108
#3	.0021	20.38	27.31	.0042	1.992	26.53	.5066
Errors	NOCHECK	QC Pass	QC Fail	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.032	26.47	.0074	1.051	.0595	2.625	-.0232
SDev	.002	.48	.0061	.008	.0043	.008	.0130
%RSD	.2103	1.831	83.11	.8037	7.190	.3199	55.97
#1	1.032	26.76	.0026	1.055	.0548	2.616	-.0299
#2	1.034	26.74	.0052	1.058	.0605	2.633	-.0314
#3	1.029	25.91	.0143	1.042	.0631	2.627	-.0082
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0062	2.552	2.495	18.91	-.1076	.5175	-.0115
SDev	.0060	.021	.014	.09	.0236	.0038	.0057
%RSD	96.30	.8310	.5712	.4794	21.91	.7421	49.79
#1	-.0113	2.535	2.510	18.97	-.1336	.5202	-.0140
#2	-.0077	2.576	2.493	18.96	-.1016	.5192	-.0156
#3	.0004	2.546	2.482	18.81	-.0876	.5131	-.0049
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0430	1.003	2.515	.0072	.9938	.0335	.0000
SDev	.0030	.006	.018	.0546	.0042	.0018	.0004
%RSD	7.016	.5713	.7014	754.2	.4209	5.403	1674.
#1	.0398	1.007	2.535	-.0292	.9970	.0314	-.0004
#2	.0432	1.006	2.503	-.0190	.9954	.0345	-.0001
#3	.0458	.9965	2.506	.0700	.9891	.0345	.0005
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.018	2.057
SDev	.004	.013
%RSD	.3570	.6224
#1	1.017	2.066
#2	1.015	2.063
#3	1.022	2.043
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Tue 09-12-95 02:59:56 PM page 1

Method: ICP1 Sample Name: MCVA 950728H901 Operator: DRS
Run Time: 09/12/95 14:58:37
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DLY 9/12/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4846	24.53	2.548	1.969	.5078	.0927	24.35
SDev	.0037	.25	.018	.019	.0047	.0006	.21
%RSD	.7619	1.005	.6936	.9815	.9210	.6149	.8461
#1	.4814	24.37	2.528	1.961	.5047	.0924	24.22
#2	.4886	24.81	2.559	1.991	.5132	.0934	24.59
#3	.4839	24.41	2.558	1.955	.5055	.0924	24.25
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.67	.4973	-.0269	1.026	1.026	1.005	.0010
SDev	.12	.0044	.0069	.004	.005	.010	.0009
%RSD	.4846	.8769	25.68	.4152	.4508	1.009	85.02
#1	24.60	.4990	-.0217	1.024	1.024	.9965	.0021
#2	24.80	.5006	-.0347	1.031	1.032	1.016	.0005
#3	24.59	.4924	-.0242	1.022	1.023	1.002	.0006
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	20.35	26.21	.0061	1.920	26.52	.5062
SDev	.0004	.12	.53	.0011	.039	.20	.0027
%RSD	17.47	.5990	2.040	18.72	2.030	.7604	.5288
#1	.0027	20.27	25.94	.0074	1.894	26.42	.5053
#2	.0019	20.49	26.83	.0059	1.965	26.75	.5092
#3	.0024	20.29	25.87	.0051	1.901	26.39	.5041
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.028	25.57	.0137	1.053	.0583	2.627	-.0004
SDev	.009	.49	.0051	.006	.0248	.013	.0129
%RSD	.8969	1.928	37.67	.5371	42.55	.4977	2986.
#1	1.022	25.23	.0158	1.054	.0449	2.634	.0106
#2	1.039	26.13	.0078	1.059	.0431	2.636	-.0147
#3	1.024	25.34	.0173	1.047	.0869	2.612	.0028
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	2.541	2.466	18.76	-.0494	.5112	.0012
SDev	.0076	.012	.047	.15	.0115	.0047	.0045
%RSD	74.78	.4541	1.887	.7894	23.30	.9207	380.0
#1	.0184	2.529	2.467	18.66	-.0404	.5079	.0031
#2	.0033	2.542	2.513	18.93	-.0454	.5166	-.0040
#3	.0089	2.552	2.420	18.69	-.0624	.5091	.0044
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0367	.9946	2.516	.1962	.9882	.0295	.0002
SDev	.0035	.0082	.018	.1009	.0060	.0095	.0002
%RSD	9.472	.8226	.7125	51.44	.6040	32.33	67.10
#1	.0374	.9888	2.504	.3128	.9843	.0231	.0003
#2	.0329	1.004	2.536	.1406	.9951	.0405	.0001
#3	.0397	.9911	2.507	.1354	.9853	.0249	.0004
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.018	2.042
SDev	.007	.015
%RSD	.7124	.7221
#1	1.010	2.032
#2	1.025	2.059
#3	1.019	2.035
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Tue 09-12-95 03:03:47 PM page 1

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/12/95 15:02:27
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Te, U, W all have [illegible] 9/14/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.1934	-.0100	.0096	-.0001	.0002	-.0045
SDev	.0012	.0092	.0083	.0020	.0001	.0000	.0062
%RSD	125.8	4.754	83.31	20.89	193.5	6.546	137.3
#1	.0004	-.1845	-.0018	.0089	.0001	.0002	-.0017
#2	-.0021	-.1930	-.0185	.0119	-.0002	.0002	-.0002
#3	-.0012	-.2029	-.0098	.0081	-.0002	.0003	-.0116
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0116	.0004	1.968	.0008	.0013	-.0051	2.004
SDev	.0018	.0011	.017	.0008	.0007	.0016	.020
%RSD	15.29	277.3	.8549	102.0	55.42	31.10	1.009
#1	.0134	.0016	1.960	.0017	.0005	-.0040	1.986
#2	.0099	-.0006	1.957	.0004	.0016	-.0044	2.001
#3	.0114	.0002	1.987	.0003	.0018	-.0070	2.026
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.991	.0033	-.2557	2.004	.0006	.0750	.0004
SDev	.019	.0006	.1563	.016	.0008	.0137	.0001
%RSD	.9712	18.31	61.11	.8130	134.4	18.23	41.04
#1	1.974	.0040	-.0756	1.990	.0011	.0901	.0004
#2	1.987	.0030	-.3371	1.999	.0011	.0713	.0004
#3	2.012	.0029	-.3545	2.022	-.0003	.0635	.0002
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	-.0072	1.963	.0044	-.0103	.0400	2.144
SDev	.0013	.0168	.017	.0005	.0128	.0064	.018
%RSD	88.20	232.5	.8691	11.86	124.4	15.92	.8250
#1	-.0003	.0119	1.951	.0039	-.0246	.0432	2.156
#2	-.0028	-.0143	1.955	.0049	-.0000	.0327	2.124
#3	-.0012	-.0193	1.983	.0044	-.0062	.0442	2.152
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000

Analysis Report QC Standard Tue 09-12-95 03:03:47 PM page 2

Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.024	.0007	.0099	.0406	2.032	.0000	Q1.779
SDev	.009	.0108	.0069	.0008	.040	.0001	.019
%RSD	.4406	1533.	69.94	1.843	1.974	533.1	1.059
#1	2.015	.0128	.0097	.0415	2.064	.0001	Q1.766
#2	2.026	-.0083	.0030	.0405	1.987	.0001	Q1.770
#3	2.032	-.0024	.0168	.0400	2.046	-.0001	1.800
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Fail
Value	2.000				2.000		2.000
Range	10.00				10.00		10.00

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.066	.0003	.0050	Q8.494	-.0029	Q.5029	.9724
SDev	.053	.0005	.0078	.126	.0011	.0125	.0082
%RSD	1.051	161.9	155.4	1.486	37.49	2.478	.8403
#1	5.022	.0008	.0035	Q8.469	-.0017	Q.4909	.9660
#2	5.051	.0002	-.0019	Q8.382	-.0038	Q.5021	.9695
#3	5.125	-.0001	.0135	Q8.631	-.0030	Q.5158	.9816
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	QC Pass
Value	5.000			10.00		2.000	1.000
Range	10.00			10.00		10.00	10.00

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0016	-.0117
SDev	.0004	.0006
%RSD	27.77	5.423
#1	.0013	-.0121
#2	.0021	-.0110
#3	.0014	-.0121
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Tue 09-12-95 03:07:48 PM page

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/12/95 15:06:29
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0020	Q.0921	Q.0723	Q.1167	.0495	.0217	.0061
SDev	.0008	.0074	.0079	.0020	.0003	.0001	.0021
%RSD	40.15	8.072	10.97	1.711	.6569	.5261	34.20
#1	Q-.0013	Q.1001	.0810	Q.1146	.0492	.0216	.0072
#2	Q-.0019	Q.0906	Q.0704	.1186	.0493	.0217	.0075
#3	Q-.0029	Q.0855	Q.0654	Q.1169	.0498	.0218	.0037
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	NOCHECK
Value	.0022	.1146	.0821	.1190	.0496	.0232	
Range	13.60	4.500	1.500	1.200	6.250	9.500	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q34.85	Q.0135	-.0142	Q.0202	.0186	Q.0156	-.0032
SDev	.14	.0007	.0050	.0009	.0005	.0010	.0006
%RSD	.3984	4.924	35.12	4.689	2.566	6.667	18.47
#1	Q34.69	.0127	-.0109	Q.0198	.0192	Q.0151	-.0026
#2	Q34.91	Q.0140	-.0117	Q.0213	.0185	Q.0168	-.0033
#3	Q34.95	Q.0136	-.0199	Q.0195	Q.0182	Q.0149	-.0038
Errors	QC Fail	QC Fail	NOCHECK	QC Fail	QC Pass	QC Fail	NOCHECK
Value	36.80	.0122		.0235	.0190	.0223	
Range	3.800	8.200		3.400	3.200	12.60	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	Q.1168	Q1.953	.0010	Q.0110	Q9.940	.0346
SDev	.0003	.0008	.126	.0008	.0011	.031	.0003
%RSD	526.1	.6720	6.459	81.43	10.41	.3111	.9562
#1	.0002	Q.1165	Q2.034	.0019	Q.0102	Q9.906	.0342
#2	.0002	Q.1177	Q2.017	.0006	Q.0124	Q9.947	.0347
#3	-.0003	Q.1163	Q1.807	.0005	Q.0105	Q9.966	.0348
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Pass
Value		.1069	2.300		.0165	9.450	.0351
Range		2.800	10.00		6.100	2.850	6.300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1025	Q13.06	-.0089	.0563	.0066	Q.0215	-.0588
SDev	.0013	.11	.0036	.0024	.0029	.0109	.0130
%RSD	1.247	.8772	40.86	4.341	43.19	50.90	22.03
#1	Q.1018	Q12.96	-.0098	.0536	.0096	Q.0237	-.0528
#2	Q.1018	Q13.03	-.0049	.0582	.0039	Q.0311	-.0499
#3	.1040	Q13.19	-.0120	.0573	.0064	Q.0096	-.0737
Errors	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK
Value	.1043	12.19		.0606		.0353	

Analysis Report QC Standard Tue 09-12-95 03:07:48 PM page 2

Range	1.800	2.950		12.00		2.500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0239	-.0065	Q-.0004	.0043	-.0859	.2647	-.0124
SDev	.0070	.0043	.0115	.0019	.0250	.0020	.0069
%RSD	29.13	66.01	2799.	43.36	29.07	.7603	55.42
#1	-.0172	-.0040	Q-.0083	.0051	-.0751	.2629	-.0088
#2	-.0235	-.0115	.0128	.0056	-.0682	.2643	-.0081
#3	-.0311	-.0040	Q-.0057	.0022	-.1145	Q.2669	-.0204
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value			.0127			.2636	
Range			5.500			1.000	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0089	.0070	.0105	-.0653	Q.0262	.0035	-.0027
SDev	.0009	.0001	.0030	.0618	.0008	.0073	.0003
%RSD	10.23	2.175	28.23	94.68	3.076	210.8	10.87
#1	-.0082	.0071	.0084	-.0498	Q.0263	.0117	-.0024
#2	-.0085	.0072	Q.0139	-.0127	Q.0270	.0007	-.0028
#3	-.0099	.0069	.0092	-.1334	Q.0254	-.0021	-.0030
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK	NOCHECK
Value			.0079		.0314		
Range			63.30		8.900		

Elem	Zn	Zr
Units	ppm	ppm
Avge	Q.0849	-.0024
SDev	.0010	.0009
%RSD	1.199	40.10
#1	Q.0847	-.0017
#2	Q.0860	-.0019
#3	Q.0840	-.0035
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Tue 09-12-95 03:12:16 PM page

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/12/95 15:10:57
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	1.885	1.988	1.923	1.007	.9548	1.899
SDev	.0003	.016	.003	.015	.007	.0064	.015
%RSD	46.00	.8521	.1585	.7830	.6486	.6661	.8058
#1	-.0003	1.874	1.989	1.910	1.004	.9511	1.917
#2	-.0008	1.878	1.985	1.918	1.003	.9511	1.892
#3	-.0006	1.903	1.991	1.939	1.015	.9621	1.889

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.903	.9803	.0031	1.034	.5141	2.048	-.0003
SDev	.011	.0052	.0021	.005	.0043	.015	.0002
%RSD	.5847	.5349	66.49	.5204	.8465	.7207	61.06
#1	1.897	.9787	.0007	1.031	.5094	2.039	-.0001
#2	1.895	.9760	.0045	1.030	.5151	2.040	-.0004
#3	1.916	.9862	.0040	1.040	.5179	2.065	-.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	2.006	5.295	-.0009	2.025	2.087	1.006
SDev	.0000	.012	.122	.0009	.010	.012	.007
%RSD	13.91	.6171	2.305	108.4	.5150	.5684	.7042
#1	.0002	2.002	5.242	-.0017	2.013	2.078	1.002
#2	.0002	1.997	5.434	.0001	2.029	2.081	1.002
#3	.0002	2.020	5.207	-.0010	2.033	2.100	1.014

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.997	8.750	-.0026	2.090	4.751	2.057	-.0046
SDev	.009	.075	.0005	.014	.016	.010	.0017
%RSD	.4404	.8610	18.45	.6655	.3405	.5042	36.46
#1	1.989	8.664	-.0021	2.077	4.768	2.050	-.0028
#2	1.995	8.804	-.0025	2.087	4.736	2.052	-.0049
#3	2.006	8.782	-.0031	2.104	4.750	2.069	-.0062

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	-.0042	1.941	4.891	.0083	2.032	-.0197
SDev	.0011	.0101	.022	.027	.0094	.013	.0109
%RSD	33.08	238.9	1.136	.5518	113.0	.6621	55.28
#1	.0045	.0057	1.953	4.873	.0129	2.024	-.0234
#2	.0031	-.0144	1.915	4.878	.0146	2.025	-.0074
#3	.0023	-.0040	1.954	4.922	-.0025	2.048	-.0281

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.0004	1.939	.0102	.9600	.0110	.0001
SDev	.0033	.0002	.019	.0656	.0051	.0042	.0003

%RSD	96.44	46.69	.9650	645.8	.5341	38.00	305.1
#1	.0071	.0002	1.942	.0079	.9567	.0157	.0001
#2	.0005	.0005	1.919	.0768	.9574	.0094	.0004
#3	.0028	.0004	1.956	-.0543	.9659	.0079	-.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.027	-.0011
SDev	.006	.0003
%RSD	.6311	22.83
#1	1.023	-.0012
#2	1.023	-.0008
#3	1.034	-.0013

Analysis Report

Tue 09-12-95 03:20:01 PM page

Method: ICP1 Sample Name: SST-ICS-1 9509~~11~~ 09 DH am I101 Operator: DRS
Run Time: 09/12/95 15:18:41
Comment:
Mode: CONC Corr. Factor: 1

SLUDGE (Na2O2 FUSION) K.SILVERS

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0054	89.85	.1300	.0026	.0006	.0008	.0601
SDev	.0011	1.31	.0079	.0011	.0002	.0000	.0061
%RSD	20.79	1.461	6.044	43.01	31.21	5.877	10.22
#1	-.0058	90.22	.1354	.0015	.0006	.0007	.0579
#2	-.0042	88.39	.1336	.0038	.0009	.0008	.0671
#3	-.0064	90.93	.1210	.0025	.0005	.0007	.0554

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0433	.0103	-.0917	.0078	.0379	-.0143	.0007
SDev	.0011	.0016	.0131	.0016	.0013	.0026	.0011
%RSD	2.477	15.95	14.24	20.08	3.286	18.08	155.0
#1	.0421	.0122	-.0974	.0069	.0369	-.0169	.0003
#2	.0440	.0097	-.0767	.0096	.0375	-.0117	.0020
#3	.0439	.0091	-.1009	.0069	.0393	-.0145	-.0001

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	17.89	.4591	.0098	.0115	.2921	.0021
SDev	.0004	.18	.2480	.0024	.0009	.0087	.0003
%RSD	21.26	.9827	54.02	25.06	8.264	2.972	11.87
#1	.0016	17.94	.3429	.0103	.0119	.2868	.0018
#2	.0024	17.70	.7439	.0119	.0122	.3021	.0022
#3	.0018	18.04	.2906	.0071	.0104	.2873	.0023

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	3639.	.0044	46.46	.1017	.2197	-.3125
SDev	.0022	49.	.0098	.42	.0212	.0112	.0268
%RSD	21.60	1.346	223.4	.9039	20.83	5.088	8.561
#1	.0093	3653.	-.0005	46.59	.0775	.2166	-.3200
#2	.0127	3585.	.0157	45.99	.1168	.2322	-.2829
#3	.0086	3680.	-.0020	46.80	.1108	.2105	-.3348

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0106	.0260	.0420	-.0034	.1905	.0003	.0191
SDev	.0104	.0053	.0074	.0078	.0144	.0001	.0100
%RSD	97.52	20.18	17.72	229.0	7.586	40.78	52.25
#1	.0084	.0245	.0337	-.0101	.1806	.0002	.0198
#2	.0220	.0319	.0480	.0052	.2071	.0004	.0286
#3	.0016	.0218	.0443	-.0053	.1838	.0002	.0088

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6802	.0033	.2150	44.54	.0053	.0681	.0051
SDev	.0070	.0006	.0152	.49	.0014	.0060	.0005

Analysis Report Tue 09-12-95 03:20:01 PM page 2

%RSD	1.024	17.09	7.072	1.100	26.89	8.812	10.35
#1	.6790	.0032	.2318	44.76	.0045	.0615	.0045
#2	.6739	.0039	.2021	43.97	.0069	.0733	.0056
#3	.6877	.0028	.2111	44.87	.0045	.0694	.0051

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0273	9.329
SDev	.0025	.114
%RSD	9.007	1.220
#1	-.0298	9.368
#2	-.0249	9.201
#3	-.0272	9.418

Analysis Report Tue 09-12-95 03:25:20 PM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 15:24:00
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0041	-.0048	-.0005	-.0001	.0000	.0036
SDev	.0003	.0031	.0057	.0014	.0001	.0000	.0065
%RSD	73.43	74.09	118.0	287.8	85.95	2.626	181.4
#1	.0005	-.0006	-.0052	-.0018	-.0000	.0000	.0049
#2	.0001	-.0062	.0011	.0010	-.0000	.0000	.0093
#3	.0007	-.0055	-.0102	-.0006	-.0002	.0000	-.0035

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0032	.0011	.0220	-.0004	-.0019	-.0031	-.0000
SDev	.0007	.0014	.0040	.0004	.0010	.0010	.0004
%RSD	20.47	128.6	17.93	93.90	53.80	33.65	1970.
#1	-.0025	.0028	.0181	-.0006	-.0030	-.0025	.0002
#2	-.0037	.0002	.0219	.0000	-.0013	-.0025	.0002
#3	-.0034	.0004	.0260	-.0006	-.0013	-.0043	-.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0012	.0232	-.0002	.0006	-.0096	.0001
SDev	.0001	.0005	.0439	.0002	.0004	.0029	.0001
%RSD	46.76	43.47	188.7	101.3	69.59	30.69	102.3
#1	.0003	-.0007	.0639	-.0003	.0004	-.0103	.0001
#2	.0002	-.0012	.0291	.0000	.0011	-.0121	.0001
#3	.0002	-.0018	-.0232	-.0003	.0004	-.0064	-.0000

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	.1079	.0002	.0021	.0003	.0001	.0013
SDev	.0007	.0091	.0005	.0014	.0275	.0018	.0076
%RSD	42.67	8.459	222.6	66.53	9042.	1596.	574.8
#1	-.0011	.1181	.0001	.0036	-.0144	.0022	.0075
#2	-.0014	.1006	-.0002	.0010	-.0167	-.0008	.0036
#3	-.0024	.1050	.0007	.0016	.0320	-.0010	-.0071

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0017	-.0015	-.0188	.0181	.0001	-.0029
SDev	.0020	.0056	.0072	.0012	.0191	.0000	.0043
%RSD	92.22	333.0	462.9	6.399	105.6	.5646	145.9
#1	.0041	-.0027	-.0098	-.0191	.0305	.0001	.0002
#2	.0025	.0080	.0033	-.0198	-.0039	.0001	-.0078
#3	.0000	-.0002	.0019	-.0174	.0276	.0001	-.0012

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0076	-.0000	-.0027	.0428	.0003	.0073	.0003
SDev	.0033	.0000	.0119	.0046	.0002	.0051	.0002

%RSD	43.29	8.428	439.3	10.82	55.17	69.82	67.59
#1	-.0069	-.0000	-.0154	.0422	.0004	.0051	.0005
#2	-.0111	-.0000	-.0008	.0477	.0005	.0131	.0002
#3	-.0047	-.0000	.0081	.0385	.0001	.0036	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0004	.0005
SDev	.0006	.0001
%RSD	139.3	25.59
#1	.0011	.0005
#2	.0002	.0006
#3	.0000	.0004

Analysis Report Tue 09-12-95 03:27:31 PM page

Method: ICP1 Sample Name: 95-007941-N3 @5 Operator: DRS
Run Time: 09/12/95 15:26:11
Comment: METHOD BLANK @5X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0077	.0365	.0058	.1309	.0024	.0002	.0100
SDev	.0014	.0049	.0099	.0026	.0003	.0000	.0100
%RSD	18.52	13.43	171.8	1.990	12.51	18.08	99.27
#1	-.0086	.0324	.0167	.1327	.0024	.0002	.0086
#2	-.0084	.0351	.0033	.1279	.0022	.0001	.0207
#3	-.0060	.0419	-.0027	.1320	.0028	.0002	.0009

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8145	.0014	-.1310	.0032	.0096	.0022	.0049
SDev	.0054	.0007	.0094	.0017	.0028	.0003	.0010
%RSD	.6651	49.58	7.156	52.24	29.20	11.43	20.35
#1	.8180	.0011	-.1321	.0027	.0063	.0021	.0045
#2	.8172	.0009	-.1398	.0019	.0109	.0020	.0042
#3	.8082	.0021	-.1212	.0051	.0114	.0025	.0061

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0640	.5986	.0059	.0065	.0274	.0019
SDev	.0003	.0005	.2166	.0014	.0008	.0045	.0002
%RSD	16.97	.7569	36.18	24.35	12.71	16.47	10.16
#1	.0016	.0644	.4649	.0053	.0061	.0255	.0017
#2	.0017	.0641	.4824	.0049	.0061	.0242	.0019
#3	.0022	.0634	.8485	.0076	.0075	.0325	.0021

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	2171.	.0221	.0976	.0271	.0291	.0062
SDev	.0003	19.	.0055	.0015	.0061	.0049	.0237
%RSD	9.561	.8543	25.00	1.561	22.55	16.94	383.7
#1	.0034	2181.	.0182	.0963	.0250	.0256	-.0149
#2	.0034	2181.	.0198	.0993	.0339	.0270	.0017
#3	.0040	2149.	.0285	.0972	.0223	.0348	.0318

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0185	.0159	.0162	.0467	.1318	.0132	.0140
SDev	.0030	.0101	.0072	.0039	.0214	.0002	.0035
%RSD	16.43	63.37	44.25	8.318	16.24	1.414	25.38
#1	.0190	.0181	.0083	.0423	.1186	.0134	.0108
#2	.0152	.0049	.0180	.0491	.1202	.0131	.0133
#3	.0213	.0247	.0224	.0489	.1564	.0130	.0178

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0572	.0029	.0103	-.0574	.0030	.0108	.0019
SDev	.0048	.0004	.0054	.1048	.0007	.0092	.0004

Analysis Report Tue 09-12-95 03:27:31 PM page 2

%RSD	8.411	15.44	52.87	182.5	24.16	85.98	22.95
#1	.0591	.0027	.0118	-.1369	.0025	.0056	.0019
#2	.0608	.0025	.0042	-.0968	.0027	.0214	.0015
#3	.0517	.0034	.0147	.0614	.0039	.0052	.0024

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0037	9.937
SDev	.0006	.092
%RSD	15.26	.9262
#1	.0043	9.989
#2	.0032	9.992
#3	.0035	9.831

Analysis Report Tue 09-12-95 03:31:45 PM page 1

Method: ICP1 Sample Name: 95-007941-N3 @2 Operator: DRS
Run Time: 09/12/95 15:30:25
Comment: METHOD BLANK @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0166	.0900	.0215	.3049	.0061	.0004	.0353
SDev	.0014	.0035	.0082	.0023	.0003	.0000	.0026
%RSD	8.271	3.854	37.99	.7654	4.582	7.680	7.287
#1	-.0151	.0925	.0268	.3027	.0064	.0004	.0351
#2	-.0178	.0860	.0121	.3045	.0059	.0004	.0328
#3	-.0168	.0915	.0256	.3074	.0059	.0004	.0379

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.950	.0039	-.3126	.0087	.0257	.0119	.0126
SDev	.005	.0007	.0097	.0003	.0025	.0020	.0006
%RSD	.2600	17.73	3.101	3.885	9.816	17.08	4.757
#1	1.945	.0043	-.3028	.0090	.0263	.0134	.0133
#2	1.955	.0043	-.3126	.0083	.0229	.0128	.0122
#3	1.951	.0031	-.3222	.0089	.0279	.0096	.0124

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	.1427	1.761	.0153	.0146	.0604	.0045
SDev	.0003	.0003	.192	.0010	.0019	.0051	.0001
%RSD	6.916	.2016	10.91	6.353	13.05	8.412	2.576
#1	.0050	.1426	1.982	.0164	.0168	.0600	.0046
#2	.0044	.1425	1.633	.0149	.0132	.0556	.0044
#3	.0046	.1430	1.668	.0146	.0139	.0657	.0044

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0071	4186.	.0641	.2299	.0762	.0623	.0238
SDev	.0003	53.	.0064	.0036	.0011	.0052	.0176
%RSD	3.987	1.273	9.926	1.585	1.426	8.374	73.69
#1	.0072	4125.	.0715	.2326	.0774	.0683	.0434
#2	.0068	4220.	.0606	.2314	.0758	.0594	.0093
#3	.0073	4214.	.0603	.2258	.0753	.0591	.0189

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0504	.0398	.0452	.1445	.2567	.0301	.0267
SDev	.0063	.0020	.0057	.0028	.0162	.0001	.0047
%RSD	12.47	5.034	12.57	1.948	6.325	.4765	17.42
#1	.0576	.0398	.0409	.1476	.2735	.0300	.0290
#2	.0460	.0418	.0430	.1420	.2556	.0302	.0214
#3	.0476	.0378	.0516	.1440	.2411	.0302	.0299

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1445	.0071	.0249	.0390	.0074	.0291	.0047
SDev	.0036	.0005	.0023	.1270	.0009	.0052	.0001

Analysis Report

Tue 09-12-95 03:31:45 PM

%RSD	2.482	7.612	9.261	325.3	12.76	17.86	2.678
#1	.1467	.0077	.0233	.1525	.0085	.0351	.0048
#2	.1404	.0069	.0240	.0627	.0068	.0260	.0048
#3	.1465	.0066	.0276	-.0981	.0069	.0261	.0046

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0102	22.98
SDev	.0007	.15
%RSD	7.013	.6575
#1	.0094	22.81
#2	.0105	23.09
#3	.0108	23.05

Analysis Report Tue 09-12-95 03:36:42 PM page 1

Method: ICP1 Sample Name: 95-007941-N1 @10 Operator: DRS
Run Time: 09/12/95 15:35:23
Comment: SEGMENT 1 @10X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	15.30	.0244	.1030	.0028	.0001	.0081
SDev	.0005	.08	.0018	.0026	.0001	.0000	.0022
%RSD	10.02	.5478	7.400	2.495	2.442	8.801	26.82
#1	.0047	15.36	.0229	.1002	.0029	.0002	.0090
#2	.0057	15.34	.0239	.1035	.0028	.0002	.0098
#3	.0053	15.21	.0264	.1053	.0029	.0001	.0057

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4168	.0013	.0375	.0045	.0195	.0110	.0050
SDev	.0011	.0002	.0041	.0010	.0016	.0013	.0005
%RSD	.2700	16.50	10.82	21.84	8.214	11.98	10.51
#1	.4156	.0014	.0338	.0034	.0211	.0110	.0048
#2	.4178	.0010	.0369	.0052	.0195	.0097	.0047
#3	.4169	.0013	.0419	.0049	.0179	.0123	.0057

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.1575	1.075	.0085	.0099	.0330	.0037
SDev	.0001	.0010	.136	.0024	.0014	.0035	.0002
%RSD	7.806	.6241	12.67	28.68	13.76	10.54	4.848
#1	.0015	.1572	1.005	.0061	.0093	.0368	.0039
#2	.0017	.1586	.9880	.0084	.0115	.0299	.0036
#3	.0018	.1567	1.232	.0109	.0090	.0324	.0036

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	1133.	.0310	.0701	.5635	.0441	.0876
SDev	.0004	9.	.0049	.0009	.0092	.0028	.0147
%RSD	9.684	.8036	15.83	1.303	1.630	6.279	16.75
#1	.0043	1140.	.0258	.0711	.5626	.0411	.0727
#2	.0037	1135.	.0316	.0698	.5548	.0447	.0881
#3	.0037	1123.	.0356	.0694	.5731	.0466	.1020

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0438	.0162	.0058	.3741	.1457	.0088	.0213
SDev	.0040	.0037	.0116	.0037	.0292	.0001	.0018
%RSD	9.104	22.63	200.9	.9811	20.02	.8705	8.339
#1	.0408	.0147	.0185	.3703	.1531	.0089	.0232
#2	.0423	.0204	-.0040	.3744	.1136	.0089	.0207
#3	.0483	.0136	.0027	.3777	.1705	.0088	.0198

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.0074	.0374	.5447	.0105	.0200	.0019
SDev	.0039	.0001	.0016	.1110	.0005	.0032	.0003

Analysis Report

Tue 09-12-95 03:36:42 PM

%RSD	197.0	1.871	4.363	20.37	4.437	15.90	15.51
#1	-.0000	.0075	.0364	.4859	.0103	.0212	.0018
#2	.0005	.0074	.0366	.4755	.0101	.0164	.0018
#3	-.0065	.0073	.0393	.6728	.0110	.0224	.0023

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0059	.0506
SDev	.0013	.0042
%RSD	22.65	8.362
#1	.0044	.0470
#2	.0061	.0495
#3	.0070	.0553

Analysis Report Tue 09-12-95 03:41:12 PM page

Method: ICP1 Sample Name: 95-007941-N1 @2 Operator: DRS
Run Time: 09/12/95 15:39:53
Comment: SEGMENT 1 @2X DILL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0118	69.08	.1105	.4589	.0102	.0004	.0397
SDev	.0007	.42	.0019	.0044	.0001	.0000	.0034
%RSD	5.852	.6144	1.765	.9565	.6999	4.600	8.447
#1	.0110	69.28	.1124	.4619	.0102	.0004	.0432
#2	.0123	68.59	.1107	.4538	.0102	.0005	.0365
#3	.0121	69.36	.1085	.4608	.0103	.0004	.0394

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.031	.0049	.0983	.0132	.0842	.0596	.0122
SDev	.011	.0014	.0059	.0008	.0026	.0005	.0004
%RSD	.5435	28.11	6.036	6.347	3.069	.8243	3.035
#1	2.033	.0059	.0918	.0127	.0813	.0601	.0119
#2	2.020	.0033	.1035	.0142	.0848	.0591	.0126
#3	2.041	.0056	.0996	.0128	.0864	.0595	.0122

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.6802	2.976	.0241	.0342	.1232	.0158
SDev	.0002	.0046	.070	.0009	.0017	.0061	.0002
%RSD	4.678	.6792	2.344	3.721	4.971	4.928	1.309
#1	.0037	.6812	2.906	.0231	.0329	.1233	.0157
#2	.0040	.6752	3.045	.0246	.0336	.1171	.0158
#3	.0040	.6843	2.976	.0246	.0362	.1292	.0161

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0161	3963.	.0824	.3127	2.528	.1533	.2165
SDev	.0007	11.	.0027	.0020	.035	.0034	.0126
%RSD	4.529	.2716	3.269	.6530	1.401	2.191	5.835
#1	.0153	3970.	.0822	.3117	2.531	.1536	.2029
#2	.0168	3951.	.0852	.3113	2.491	.1498	.2279
#3	.0163	3968.	.0799	.3150	2.561	.1565	.2187

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1010	.0473	.0479	1.753	.3154	.0383	.0467
SDev	.0033	.0102	.0082	.015	.0143	.0002	.0049
%RSD	3.231	21.59	17.13	.8807	4.540	.5518	10.52
#1	.1000	.0438	.0386	1.754	.2989	.0384	.0410
#2	.1046	.0589	.0506	1.737	.3228	.0380	.0495
#3	.0983	.0393	.0543	1.768	.3245	.0384	.0495

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	.0295	.1690	1.350	.0376	.0419	.0049
SDev	.0047	.0002	.0067	.111	.0001	.0092	.0003

Analysis Report

Tue 09-12-95 03:41:12 PM

page

%RSD	171.5	.7415	3.970	8.237	.2668	21.82	5.625
#1	.0033	.0297	.1613	1.269	.0375	.0316	.0049
#2	-.0022	.0295	.1736	1.476	.0377	.0454	.0051
#3	.0072	.0293	.1721	1.303	.0376	.0489	.0046

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0279	.2101
SDev	.0011	.0054
%RSD	3.966	2.596
#1	.0268	.2071
#2	.0290	.2069
#3	.0280	.2164

Analysis Report Tue 09-12-95 03:47:15 PM page

Method: ICP1 Sample Name: 95-007941-N1 ~~SPK@2.5~~ P.SCS 9/12/95 Operator: DRS
Run Time: 09/12/95 15:45:55
Comment: SEGMENT 1 POST DIGEST SPIKE ~~@2.5~~ 5x DIL 9/12/95 DIL(Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0168	34.23	.0884	.1783	.0065	.0007	.0493
SDev	.0005	.22	.0091	.0024	.0001	.0000	.0079
%RSD	3.118	.6388	10.34	1.371	1.072	1.654	16.03
#1	.0172	33.98	.0828	.1809	.0065	.0007	.0489
#2	.0162	34.32	.0835	.1780	.0066	.0007	.0415
#3	.0170	34.39	.0989	.1760	.0065	.0007	.0573

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.902	.2187	.1187	.0159	1.293	.0248	.0144
SDev	.033	.0032	.0019	.0011	.013	.0005	.0003
%RSD	.6759	1.484	1.647	6.736	1.020	2.160	2.262
#1	4.865	.2150	.1206	.0169	1.280	.0251	.0146
#2	4.912	.2202	.1167	.0147	1.295	.0242	.0140
#3	4.928	.2210	.1187	.0161	1.306	.0250	.0146

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	.2788	18.78	.0305	.0230	.2067	.0901
SDev	.0001	.0022	.11	.0005	.0002	.0099	.0007
%RSD	2.976	.7855	.5671	1.641	.9030	4.809	.7404
#1	.0048	.2763	18.67	.0307	.0229	.2167	.0893
#2	.0050	.2805	18.81	.0299	.0232	.2067	.0902
#3	.0051	.2795	18.88	.0308	.0229	.1968	.0906

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0107	1853.	.0972	4.430	1.019	4.587	.1621
SDev	.0010	10.	.0071	.038	.011	.046	.0087
%RSD	9.540	.5465	7.289	.8670	1.122	.9930	5.364
#1	.0103	1841.	.1036	4.386	1.027	4.535	.1722
#2	.0119	1858.	.0896	4.444	1.006	4.617	.1572
#3	.0100	1859.	.0984	4.459	1.023	4.610	.1570

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1250	.0451	.0633	9.100	.4699	.0156	.0621
SDev	.0030	.0118	.0052	.063	.0067	.0001	.0045
%RSD	2.366	26.13	8.291	.6950	1.423	.6936	7.203
#1	.1263	.0315	.0616	9.027	.4774	.0155	.0647
#2	.1216	.0512	.0591	9.129	.4646	.0156	.0570
#3	.1271	.0525	.0691	9.143	.4676	.0158	.0647

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2415	.0170	.1109	17.17	.0247	.0489	.0074
SDev	.0112	.0002	.0077	.12	.0003	.0146	.0005

%RSD	4.629	1.409	6.990	.7228	1.256	29.80	6.773
#1	.2431	.0172	.1021	17.03	.0247	.0390	.0076
#2	.2296	.0168	.1167	17.26	.0244	.0420	.0068
#3	.2517	.0172	.1138	17.23	.0250	.0657	.0078

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0097	.4829
SDev	.0010	.0046
%RSD	10.46	.9561
#1	.0086	.4776
#2	.0099	.4864
#3	.0106	.4846

Analysis Report Tue 09-12-95 03:52:58 PM page

Method: ICP1 Sample Name: 95-007941-N2 @10 Operator: DRS
Run Time: 09/12/95 15:51:39
Comment: SEGMENT 1 DUP @10X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	13.75	.0373	.1086	.0043	.0003	.0343
SDev	.0006	.11	.0032	.0027	.0001	.0000	.0067
%RSD	5.706	.8281	8.507	2.493	3.239	3.564	19.65
#1	.0096	13.63	.0406	.1085	.0044	.0003	.0360
#2	.0102	13.77	.0342	.1059	.0042	.0003	.0400
#3	.0108	13.86	.0372	.1113	.0042	.0003	.0269

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3780	.0027	.0654	.0098	.0199	.0065	.0118
SDev	.0023	.0004	.0047	.0008	.0023	.0008	.0004
%RSD	.6112	15.59	7.115	8.624	11.60	12.60	3.624
#1	.3756	.0030	.0699	.0107	.0173	.0074	.0123
#2	.3782	.0030	.0658	.0096	.0218	.0059	.0116
#3	.3802	.0023	.0606	.0091	.0205	.0061	.0115

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	.1542	2.551	.0203	.0152	.0584	.0038
SDev	.0001	.0004	.113	.0011	.0006	.0008	.0002
%RSD	1.428	.2395	4.446	5.559	3.623	1.286	4.735
#1	.0035	.1537	2.662	.0214	.0147	.0581	.0037
#2	.0036	.1545	2.557	.0204	.0158	.0579	.0037
#3	.0036	.1543	2.435	.0192	.0151	.0593	.0040

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0073	1015.	.0711	.0775	.0925	.0822	.1964
SDev	.0004	7.	.0068	.0007	.0143	.0029	.0098
%RSD	6.010	.6419	9.565	.9378	15.51	3.595	4.982
#1	.0072	1009.	.0785	.0767	.1064	.0790	.2077
#2	.0077	1014.	.0651	.0781	.0778	.0848	.1911
#3	.0068	1022.	.0699	.0778	.0933	.0827	.1904

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0971	.0427	.0408	.4216	.3062	.0079	.0471
SDev	.0016	.0060	.0030	.0023	.0100	.0001	.0126
%RSD	1.656	14.00	7.314	.5447	3.249	.7506	26.83
#1	.0984	.0476	.0409	.4223	.3141	.0080	.0611
#2	.0976	.0443	.0378	.4234	.2950	.0079	.0436
#3	.0953	.0361	.0438	.4190	.3094	.0079	.0365

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0122	.0107	.0467	1.158	.0118	.0329	.0045
SDev	.0032	.0001	.0073	.088	.0004	.0066	.0001

Analysis Report

Tue 09-12-95 03:52:58 PM

%RSD	26.51	1.427	15.66	7.630	3.558	20.01	3.357
#1	.0094	.0107	.0441	1.255	.0121	.0349	.0045
#2	.0157	.0105	.0549	1.139	.0120	.0256	.0046
#3	.0115	.0108	.0409	1.081	.0113	.0383	.0043

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0046	1.039
SDev	.0005	.008
%RSD	11.87	.7923
#1	.0050	1.034
#2	.0048	1.035
#3	.0040	1.049

Analysis Report

Tue 09-12-95 04:00:48 PM page .

Method: ICP1 Sample Name: 95-007941-N2 @2 Operator: DRS
Run Time: 09/12/95 15:59:28
Comment: SEGMENT 1 DUP @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	64.05	.1212	.4910	.0109	.0005	.0524
SDev	.0011	.78	.0107	.0039	.0002	.0000	.0031
%RSD	10.08	1.213	8.870	.8014	1.913	1.621	5.934
#1	.0101	64.58	.1336	.4924	.0108	.0005	.0493
#2	.0123	63.16	.1143	.4865	.0112	.0005	.0555
#3	.0113	64.41	.1157	.4940	.0108	.0005	.0522

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.881	.0046	.0468	.0163	.0801	.0203	.0175
SDev	.013	.0010	.0071	.0010	.0029	.0004	.0012
%RSD	.6947	20.82	15.19	6.148	3.663	2.245	6.958
#1	1.889	.0047	.0395	.0159	.0818	.0198	.0161
#2	1.866	.0055	.0537	.0175	.0817	.0202	.0185
#3	1.889	.0036	.0472	.0156	.0767	.0207	.0178

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0058	.6675	3.894	.0303	.0379	.1481	.0136
SDev	.0003	.0067	.213	.0014	.0004	.0059	.0003
%RSD	5.275	.9988	5.472	4.457	1.096	3.998	2.082
#1	.0055	.6721	3.708	.0292	.0376	.1415	.0137
#2	.0061	.6598	4.126	.0318	.0376	.1501	.0138
#3	.0058	.6705	3.847	.0299	.0383	.1529	.0133

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0179	3829.	.1100	.3190	.3381	.1632	.2761
SDev	.0006	28.	.0054	.0040	.0069	.0086	.0173
%RSD	3.231	.7305	4.886	1.241	2.053	5.297	6.258
#1	.0181	3849.	.1049	.3166	.3324	.1545	.2586
#2	.0183	3797.	.1156	.3168	.3458	.1717	.2931
#3	.0172	3841.	.1094	.3236	.3362	.1633	.2765

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1352	.0525	.0729	1.963	.4273	.0332	.0717
SDev	.0090	.0053	.0031	.015	.0132	.0003	.0022
%RSD	6.675	10.10	4.307	.7429	3.098	.9546	3.092
#1	.1283	.0503	.0757	1.969	.4138	.0334	.0697
#2	.1454	.0586	.0695	1.946	.4402	.0329	.0741
#3	.1319	.0487	.0734	1.973	.4279	.0335	.0713

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0329	.0330	.1665	1.577	.0259	.0391	.0068
SDev	.0008	.0004	.0052	.104	.0004	.0099	.0004

%RSD	2.406	1.231	3.146	6.618	1.393	25.36	6.358
#1	.0327	.0326	.1610	1.523	.0255	.0278	.0064
#2	.0338	.0329	.1715	1.697	.0262	.0462	.0073
#3	.0323	.0334	.1669	1.510	.0260	.0435	.0067

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0236	5.014
SDev	.0011	.046
%RSD	4.822	.9146
#1	.0231	5.034
#2	.0228	4.962
#3	.0249	5.047

Analysis Report Tue 09-12-95 04:05:36 PM page 1

Method: ICP1 Sample Name: 95-007943-N1 @10 Operator: DRS
Run Time: 09/12/95 16:04:16
Comment: QTR SEG 2D @10X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0127	14.48	.0398	.0394	.0055	.0004	.0374
SDev	.0004	.05	.0060	.0017	.0002	.0000	.0029
%RSD	2.830	.3425	15.01	4.344	3.824	6.723	7.610
#1	.0123	14.53	.0462	.0414	.0053	.0004	.0396
#2	.0131	14.44	.0388	.0384	.0057	.0004	.0342
#3	.0127	14.47	.0344	.0385	.0057	.0004	.0384

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4089	.0043	.0797	.0131	.0440	.0102	.0158
SDev	.0004	.0004	.0012	.0006	.0011	.0009	.0003
%RSD	.0949	9.076	1.506	4.620	2.548	9.257	1.855
#1	.4092	.0042	.0791	.0124	.0430	.0112	.0155
#2	.4090	.0047	.0789	.0136	.0438	.0100	.0160
#3	.4084	.0039	.0810	.0132	.0452	.0094	.0160

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	.1416	3.487	.0265	.0228	.0717	.0042
SDev	.0001	.0003	.126	.0014	.0008	.0041	.0001
%RSD	2.130	.2107	3.617	5.474	3.294	5.758	1.868
#1	.0046	.1420	3.342	.0248	.0219	.0670	.0042
#2	.0048	.1415	3.551	.0275	.0230	.0735	.0041
#3	.0048	.1414	3.568	.0271	.0234	.0747	.0041

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0094	989.1	.0947	.1343	.1175	.1041	.2657
SDev	.0014	3.6	.0025	.0043	.0045	.0085	.0133
%RSD	14.46	.3630	2.674	3.168	3.803	8.174	5.001
#1	.0098	992.9	.0925	.1374	.1184	.0976	.2504
#2	.0079	985.7	.0942	.1294	.1214	.1137	.2737
#3	.0105	988.8	.0975	.1360	.1126	.1009	.2731

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1224	.0510	.0479	.2931	.4024	.0094	.0590
SDev	.0037	.0096	.0109	.0036	.0093	.0001	.0048
%RSD	3.000	18.82	22.73	1.213	2.309	.6901	8.079
#1	.1183	.0514	.0427	.2905	.4078	.0094	.0645
#2	.1236	.0412	.0604	.2971	.3917	.0094	.0563
#3	.1253	.0603	.0406	.2916	.4078	.0095	.0562

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0138	.0100	.0572	1.474	.0123	.0310	.0059
SDev	.0028	.0002	.0014	.034	.0004	.0072	.0005

Analysis Report

Tue 09-12-95 04:05:36 PM

%RSD	20.16	2.268	2.490	2.318	3.138	23.27	8.128
#1	.0109	.0101	.0588	1.486	.0119	.0326	.0054
#2	.0165	.0102	.0561	1.435	.0123	.0231	.0060
#3	.0139	.0098	.0569	1.500	.0127	.0372	.0063

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0084	2.019
SDev	.0004	.006
%RSD	4.677	.2946
#1	.0082	2.021
#2	.0088	2.012
#3	.0081	2.023

Analysis Report Tue 09-12-95 04:11:40 PM page 1

Method: ICP1 Sample Name: 95-007943-N1 @2 Operator: DRS
Run Time: 09/12/95 16:10:21
Comment: QTR SEG 2D @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0089	68.68	.1264	.1656	.0151	.0007	.0679
SDev	.0008	.29	.0029	.0017	.0001	.0000	.0074
%RSD	8.487	.4219	2.256	1.036	.8254	1.365	10.85
#1	.0084	68.97	.1263	.1676	.0152	.0007	.0638
#2	.0098	68.39	.1236	.1643	.0149	.0007	.0764
#3	.0086	68.68	.1293	.1650	.0151	.0007	.0635

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.984	.0064	-.0100	.0217	.1985	.0226	.0206
SDev	.006	.0009	.0040	.0003	.0052	.0009	.0007
%RSD	.2848	13.59	40.61	1.511	2.637	4.067	3.245
#1	1.989	.0061	-.0135	.0213	.2026	.0217	.0199
#2	1.978	.0073	-.0055	.0219	.1926	.0236	.0212
#3	1.985	.0056	-.0108	.0218	.2002	.0226	.0207

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	.6137	4.981	.0339	.0674	.1440	.0143
SDev	.0002	.0014	.076	.0011	.0009	.0014	.0001
%RSD	2.555	.2306	1.526	3.165	1.346	.9999	.7181
#1	.0064	.6151	4.894	.0327	.0675	.1443	.0144
#2	.0067	.6123	5.033	.0347	.0665	.1453	.0142
#3	.0067	.6135	5.016	.0343	.0683	.1425	.0142

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0214	3820.	.1222	.6003	.2627	.1992	.2931
SDev	.0009	11.	.0005	.0025	.0106	.0014	.0076
%RSD	4.059	.2912	.4393	.4219	4.022	.6811	2.584
#1	.0211	3831.	.1217	.6028	.2719	.1988	.2873
#2	.0224	3809.	.1227	.6004	.2512	.2007	.2902
#3	.0207	3819.	.1222	.5977	.2651	.1981	.3017

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1455	.0659	.0751	1.271	.4903	.0395	.0717
SDev	.0066	.0066	.0048	.004	.0070	.0002	.0026
%RSD	4.572	10.02	6.387	.2907	1.434	.4623	3.636
#1	.1385	.0730	.0755	1.273	.4822	.0396	.0689
#2	.1518	.0647	.0797	1.267	.4953	.0393	.0723
#3	.1463	.0599	.0701	1.273	.4933	.0395	.0740

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0624	.0251	.1842	1.702	.0168	.0505	.0079
SDev	.0059	.0004	.0050	.092	.0004	.0064	.0003

Tue 09-12-95 04:11:40 PM

%RSD	9.400	1.674	2.738	5.376	2.322	12.67	4.188
#1	.0615	.0248	.1900	1.599	.0163	.0497	.0078
#2	.0687	.0249	.1816	1.734	.0169	.0446	.0077
#3	.0571	.0256	.1809	1.774	.0171	.0573	.0083

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0366	9.431
SDev	.0008	.034
%RSD	2.230	.3609
#1	.0360	9.457
#2	.0375	9.392
#3	.0362	9.443

Analysis Report QC Standard Tue 09-12-95 04:17:04 PM page 1

Method: ICP1 Sample Name: MCVA 950728I901 Operator: DRS
Run Time: 09/12/95 16:15:45
Comment:
Mode: CONC Corr. Factor: 1 SLUDGE (Na2O2 FUSION) K.SILVERS

Fail Beti, S. AKS 9/12/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4630	23.03	2.448	1.835	.4719	Q.0879	23.06
SDev	.0074	.54	.043	.048	.0123	.0020	.45
%RSD	1.592	2.341	1.761	2.593	2.603	2.281	1.946
#1	.4551	Q22.44	2.402	Q1.781	.4585	Q.0857	22.59
#2	.4642	23.15	2.453	1.851	.4746	Q.0882	23.12
#3	.4697	23.50	2.488	1.872	.4826	Q.0897	23.48
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	23.72	.4755	.0153	.9869	.9846	.9354	.0069
SDev	.40	.0084	.0170	.0169	.0202	.0233	.0018
%RSD	1.693	1.773	111.0	1.716	2.051	2.486	25.49
#1	23.29	.4661	.0340	.9687	.9647	.9092	.0089
#2	23.80	.4781	.0111	.9896	.9840	.9433	.0063
#3	24.08	.4823	.0008	1.002	1.005	.9537	.0056
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	19.35	24.89	.0154	Q1.744	25.23	.4816
SDev	.0004	.40	.07	.0033	.047	.52	.0097
%RSD	11.34	2.051	.2802	21.44	2.670	2.081	2.025
#1	.0044	18.92	24.82	.0192	Q1.693	24.66	.4711
#2	.0038	19.42	24.89	.0139	Q1.756	25.34	.4834
#3	.0035	19.71	24.96	.0131	Q1.784	25.69	.4903
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Fail	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9796	23.60	.0499	1.012	.1161	2.564	.1025
SDev	.0234	.57	.0110	.018	.0291	.026	.0356
%RSD	2.385	2.421	22.14	1.823	25.05	1.009	34.77
#1	.9533	22.95	.0623	.9962	.1476	2.535	.1413
#2	.9876	23.79	.0459	1.007	.1103	2.572	.0948
#3	.9979	24.05	.0413	1.032	.0904	2.584	.0713
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Tue 09-12-95 04:17:04 PM page 2

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0582	2.435	2.368	Q17.86	.1156	.4775	.0274
SDev	.0139	.060	.040	.35	.0671	.0122	.0080
%RSD	23.88	2.452	1.669	1.974	58.05	2.561	29.20
#1	.0730	2.375	2.336	Q17.47	.1796	.4643	.0337
#2	.0565	2.435	2.356	Q17.94	.1215	.4797	.0301
#3	.0453	2.495	2.412	18.16	.0457	.4884	.0184
Errors	NOCHECK	QC Pass	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0391	.9384	2.369	.7705	.9398	.0475	.0025
SDev	.0017	.0221	.049	.1651	.0192	.0034	.0006
%RSD	4.245	2.358	2.058	21.43	2.049	7.078	23.27
#1	.0405	.9144	2.313	.9521	.9190	.0486	.0031
#2	.0373	.9427	2.387	.7301	.9434	.0501	.0023
#3	.0396	.9581	2.406	.6293	.9570	.0437	.0020
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	.9797	1.978
SDev	.0197	.023
%RSD	2.007	1.177
#1	.9573	1.953
#2	.9876	1.984
#3	.9941	1.998
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Tue 09-12-95 04:20:50 PM page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/12/95 16:19:31
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Fail K

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4901	25.25	2.566	1.991	.5209	.0940	24.72
SDev	.0067	.44	.032	.037	.0109	.0015	.38
%RSD	1.372	1.724	1.260	1.856	2.089	1.644	1.552
#1	.4844	24.87	2.543	1.956	.5114	.0927	24.41
#2	.4885	25.17	2.552	1.986	.5187	.0935	24.60
#3	.4975	25.73	2.603	2.030	.5328	.0957	25.15
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.81	.4996	-.0436	1.034	1.036	1.029	-.0017
SDev	.27	.0057	.0134	.014	.017	.019	.0019
%RSD	1.097	1.137	30.71	1.382	1.644	1.895	109.6
#1	24.61	.4946	-.0340	1.026	1.026	1.012	.0001
#2	24.71	.4984	-.0380	1.026	1.026	1.024	-.0016
#3	25.12	.5058	-.0590	1.050	1.056	1.050	-.0036
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	20.59	Q29.12	.0024	2.105	26.93	.5113
SDev	.0006	.31	.39	.0030	.048	.38	.0076
%RSD	46.93	1.484	1.324	126.0	2.264	1.403	1.481
#1	.0019	20.35	Q28.76	.0053	2.053	26.63	.5049
#2	.0013	20.48	Q29.53	.0025	2.114	26.82	.5092
#3	.0007	20.94	Q29.08	-.0007	2.147	27.35	.5196
Errors	NOCHECK	QC Pass	QC Fail	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.036	Q28.27	-.0026	1.060	.0477	2.622	-.0531
SDev	.014	.49	.0101	.012	.0219	.027	.0310
%RSD	1.369	1.719	390.7	1.127	45.79	1.044	58.43
#1	1.026	Q27.73	.0067	1.056	.0312	2.618	-.0270
#2	1.031	Q28.40	-.0011	1.051	.0395	2.598	-.0449
#3	1.052	Q28.67	-.0134	1.074	.0725	2.652	-.0874
Errors	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Tue 09-12-95 04:20:50 PM page 2

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0172	2.568	2.508	19.08	-.1246	.5258	-.0175
SDev	.0119	.044	.049	.26	.0520	.0108	.0125
%RSD	69.55	1.727	1.946	1.357	41.71	2.056	71.42
#1	-.0061	2.528	2.476	18.86	-.0882	.5166	-.0071
#2	-.0156	2.560	2.484	19.01	-.1015	.5231	-.0140
#3	-.0298	2.616	2.564	19.36	-.1841	.5377	-.0313
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0394	1.014	2.537	-.1062	1.000	.0262	-.0007
SDev	.0022	.018	.033	.2002	.015	.0075	.0008
%RSD	5.520	1.746	1.291	188.6	1.513	28.53	114.5
#1	.0419	1.000	2.500	.0661	.9881	.0346	.0001
#2	.0383	1.008	2.563	-.0588	.9959	.0236	-.0008
#3	.0380	1.034	2.548	-.3258	1.017	.0204	-.0016
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.028	2.072
SDev	.013	.039
%RSD	1.216	1.890
#1	1.020	2.041
#2	1.021	2.058
#3	1.042	2.116
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Tue 09-12-95 04:40:44 PM page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/12/95 16:39:25
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS 9/14

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4842	24.07	2.535	1.937	.5086	.0918	24.15
SDev	.0016	.06	.021	.006	.0017	.0005	.10
%RSD	.3285	.2522	.8350	.3260	.3368	.5811	.4327
#1	.4832	24.05	2.514	1.934	.5074	.0914	24.07
#2	.4834	24.03	2.534	1.933	.5079	.0916	24.11
#3	.4860	24.14	2.556	1.945	.5106	.0924	24.27
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.29	.4877	-.0106	1.012	1.007	1.009	.0035
SDev	.14	.0046	.0017	.006	.004	.005	.0003
%RSD	.5906	.9536	16.07	.5801	.3651	.5331	8.012
#1	24.18	.4871	-.0125	1.008	1.008	1.005	.0032
#2	24.24	.4834	-.0091	1.009	1.003	1.006	.0038
#3	24.45	.4926	-.0103	1.018	1.010	1.015	.0036
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	20.12	27.26	.0111	1.906	26.27	.4979
SDev	.0000	.12	.34	.0006	.016	.13	.0037
%RSD	.4484	.5758	1.235	5.271	.8499	.4853	.7507
#1	.0032	20.03	27.39	.0106	1.917	26.19	.4948
#2	.0031	20.07	Q27.50	.0117	1.913	26.21	.4967
#3	.0032	20.25	26.87	.0110	1.887	26.42	.5020
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.017	27.41	.0338	1.041	.0704	2.591	.0448
SDev	.006	.33	.0029	.001	.0122	.016	.0026
%RSD	.6247	1.191	8.546	.0963	17.35	.6199	5.800
#1	1.010	Q27.62	.0305	1.040	.0624	2.591	.0456
#2	1.016	Q27.58	.0349	1.042	.0642	2.575	.0419
#3	1.023	27.04	.0360	1.041	.0844	2.607	.0469
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0324	2.530	2.469	18.67	-.1484	.5139	.0027
SDev	.0033	.017	.017	.06	.0037	.0017	.0048
%RSD	10.20	.6806	.6975	.3404	2.486	.3286	176.7
#1	.0315	2.519	2.451	18.63	-.1490	.5130	.0017
#2	.0296	2.522	2.470	18.65	-.1518	.5128	-.0015
#3	.0360	2.550	2.485	18.75	-.1445	.5158	.0079
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0464	.9899	2.487	.4696	.9806	.0333	.0017
SDev	.0049	.0042	.014	.0464	.0047	.0055	.0000
%RSD	10.62	.4236	.5610	9.877	.4752	16.40	.8471
#1	.0407	.9873	2.477	.4914	.9766	.0277	.0017
#2	.0492	.9877	2.503	.5011	.9795	.0386	.0016
#3	.0493	.9948	2.481	.4163	.9857	.0337	.0017
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.007	2.026
SDev	.007	.009
%RSD	.7166	.4603
#1	1.010	2.020
#2	.9987	2.022
#3	1.012	2.037
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report

Tue 09-12-95 04:45:26 PM page

Method: ICP1 Sample Name: SST-ICS-1 9509~~11~~1101 Operator: DRS
Run Time: 09/12/95 16:44:06
Comment: QTR SEG 2D @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	89.11	.1833	.0154	.0014	.0007	.0705
SDev	.0022	1.06	.0146	.0024	.0003	.0000	.0099
%RSD	74.03	1.195	7.960	15.39	22.52	3.073	14.09
#1	-.0053	90.20	.1703	.0147	.0011	.0007	.0591
#2	-.0009	88.08	.1804	.0134	.0018	.0008	.0763
#3	-.0027	89.04	.1991	.0180	.0014	.0007	.0762

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0546	.0111	-.1090	.0113	.0390	-.0072	.0040
SDev	.0018	.0013	.0142	.0014	.0014	.0011	.0017
%RSD	3.366	11.89	13.03	12.04	3.559	14.79	42.01
#1	.0526	.0111	-.1225	.0098	.0401	-.0070	.0022
#2	.0562	.0123	-.0942	.0125	.0375	-.0063	.0055
#3	.0549	.0097	-.1102	.0117	.0395	-.0084	.0042

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	18.16	1.112	.0136	.0150	.3196	.0027
SDev	.0005	.12	.267	.0018	.0005	.0042	.0005
%RSD	19.34	.6571	24.03	13.02	3.412	1.325	18.23
#1	.0020	18.24	.8151	.0119	.0149	.3149	.0022
#2	.0030	18.02	1.333	.0154	.0155	.3233	.0030
#3	.0027	18.21	1.188	.0135	.0145	.3205	.0031

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0149	3676.	.0294	47.09	.0934	.2453	-.2512
SDev	.0007	46.	.0107	.25	.0143	.0163	.0259
%RSD	4.780	1.260	36.53	.5249	15.30	6.629	10.33
#1	.0142	3729.	.0185	47.22	.0784	.2288	-.2748
#2	.0156	3640.	.0400	46.80	.1068	.2613	-.2234
#3	.0149	3661.	.0297	47.25	.0950	.2458	-.2554

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0366	.0386	.0617	.0206	-.0633	.0006	.0398
SDev	.0168	.0099	.0073	.0101	.0302	.0001	.0056
%RSD	45.84	25.60	11.85	49.17	47.66	17.48	14.17
#1	.0180	.0297	.0533	.0093	-.0981	.0005	.0333
#2	.0507	.0492	.0662	.0288	-.0447	.0007	.0436
#3	.0411	.0368	.0657	.0238	-.0471	.0006	.0424

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6716	.0047	.2272	45.74	.0075	.0628	.0067
SDev	.0085	.0007	.0105	.47	.0012	.0039	.0008

Analysis Report

Tue 09-12-95 04:45:26 PM

%RSD	1.262	14.72	4.625	1.035	16.33	6.132	12.71
#1	.6768	.0040	.2177	46.22	.0062	.0605	.0057
#2	.6618	.0054	.2254	45.28	.0085	.0673	.0071
#3	.6762	.0048	.2384	45.73	.0080	.0607	.0072

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0298	9.459
SDev	.0018	.087
%RSD	5.896	.9176
#1	-.0298	9.531
#2	-.0316	9.363
#3	-.0281	9.484

Analysis Report Tue 09-12-95 04:49:56 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 16:48:37
Comment: QTR SEG 2D @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	.0152	-.0008	.0082	.0006	.0001	.0064
SDev	.0001	.0021	.0009	.0016	.0000	.0000	.0059
%RSD	5.106	13.60	112.0	20.10	.1380	3.831	92.03
#1	.0024	.0133	-.0010	.0099	.0006	.0001	.0060
#2	.0025	.0174	.0002	.0082	.0006	.0001	.0125
#3	.0027	.0151	-.0016	.0066	.0006	.0001	.0007

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	.0013	.0170	.0022	-.0008	.0024	.0033
SDev	.0008	.0009	.0020	.0008	.0007	.0008	.0001
%RSD	18.58	67.78	11.68	34.93	89.26	35.67	2.582
#1	.0036	.0005	.0188	.0015	-.0010	.0033	.0032
#2	.0050	.0023	.0148	.0031	-.0000	.0018	.0033
#3	.0037	.0011	.0173	.0022	-.0014	.0019	.0034

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0010	.5722	.0046	.0029	.0104	.0004
SDev	.0002	.0000	.0561	.0009	.0010	.0032	.0001
%RSD	19.64	4.079	9.804	18.86	35.33	30.45	21.23
#1	.0007	.0011	.5398	.0036	.0018	.0140	.0005
#2	.0010	.0010	.6370	.0051	.0038	.0080	.0004
#3	.0008	.0010	.5398	.0052	.0031	.0092	.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.1715	.0196	.0045	.0193	.0179	.0570
SDev	.0015	.0141	.0023	.0004	.0008	.0045	.0026
%RSD	139.3	8.209	11.62	8.224	4.279	25.13	4.590
#1	.0008	.1817	.0175	.0041	.0202	.0228	.0590
#2	-.0002	.1772	.0221	.0047	.0191	.0169	.0578
#3	.0028	.1554	.0194	.0047	.0185	.0139	.0540

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0268	-.0021	.0073	.0116	.0590	.0003	.0109
SDev	.0024	.0039	.0117	.0013	.0130	.0000	.0002
%RSD	9.084	188.3	159.9	11.02	22.09	.7893	1.632
#1	.0257	.0001	.0182	.0126	.0542	.0003	.0111
#2	.0297	.0003	.0086	.0121	.0490	.0003	.0108
#3	.0252	-.0067	-.0050	.0102	.0737	.0003	.0109

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0011	.0005	.3200	.0019	.0095	.0013
SDev	.0061	.0001	.0027	.0269	.0003	.0039	.0002

%RSD	536.9	8.080	504.5	8.406	15.13	40.79	13.81
#1	.0026	.0011	-.0009	.2889	.0016	.0054	.0012
#2	.0063	.0011	.0037	.3352	.0022	.0131	.0015
#3	-.0055	.0010	-.0012	.3359	.0019	.0100	.0012

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0008	.0026
SDev	.0006	.0002
%RSD	77.48	6.366
#1	.0006	.0028
#2	.0003	.0025
#3	.0014	.0027

Analysis Report Tue 09-12-95 04:55:14 PM page 1

Method: ICP1 Sample Name: SST-ICS-1 9509~~11~~ 0908 4/12 II101 Operator: DRS
Run Time: 09/12/95 16:53:54
Comment: QTR SEG 2D @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0060	91.82	.1641	.0074	.0010	.0007	.0629
SDev	.0008	.40	.0118	.0022	.0001	.0000	.0008
%RSD	13.26	.4327	7.193	30.09	12.90	3.968	1.348
#1	-.0057	91.62	.1775	.0096	.0010	.0007	.0623
#2	-.0070	92.28	.1595	.0075	.0008	.0007	.0625
#3	-.0055	91.57	.1552	.0051	.0011	.0008	.0639

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0486	.0102	-.1264	.0102	.0410	-.0136	.0017
SDev	.0012	.0006	.0102	.0009	.0015	.0002	.0008
%RSD	2.446	5.405	8.100	8.785	3.678	1.262	47.98
#1	.0495	.0098	-.1230	.0097	.0406	-.0136	.0022
#2	.0473	.0108	-.1379	.0096	.0397	-.0138	.0008
#3	.0491	.0100	-.1183	.0112	.0426	-.0135	.0022

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	18.66	.7234	.0110	.0133	.3191	.0022
SDev	.0002	.03	.0799	.0023	.0005	.0120	.0002
%RSD	10.42	.1777	11.04	20.78	3.847	3.766	9.473
#1	.0021	18.64	.6856	.0121	.0138	.3165	.0022
#2	.0019	18.70	.6694	.0083	.0128	.3086	.0020
#3	.0023	18.64	.8151	.0125	.0132	.3322	.0024

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0143	3751.	.0150	48.44	.1088	.2427	-.2964
SDev	.0011	19.	.0050	.04	.0070	.0031	.0105
%RSD	7.642	.5117	33.02	.0871	6.411	1.256	3.546
#1	.0133	3740.	.0135	48.42	.1039	.2393	-.2964
#2	.0142	3773.	.0111	48.49	.1168	.2437	-.3070
#3	.0155	3739.	.0206	48.41	.1057	.2452	-.2860

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0222	.0374	.0538	.0186	-.1053	.0003	.0263
SDev	.0058	.0046	.0155	.0057	.0183	.0001	.0107
%RSD	26.28	12.19	28.75	30.56	17.41	23.83	40.64
#1	.0232	.0392	.0631	.0178	-.1223	.0003	.0211
#2	.0159	.0322	.0359	.0134	-.1078	.0003	.0192
#3	.0274	.0407	.0623	.0247	-.0859	.0004	.0386

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6945	.0036	.2169	47.09	.0060	.0604	.0059
SDev	.0040	.0002	.0097	.16	.0005	.0023	.0004

%RSD	.5825	4.572	4.495	.3396	8.909	3.836	7.407
#1	.6904	.0038	.2281	47.03	.0060	.0610	.0062
#2	.6985	.0034	.2109	47.27	.0055	.0624	.0054
#3	.6945	.0035	.2115	46.97	.0066	.0579	.0062

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0293	9.750
SDev	.0018	.032
%RSD	6.068	.3265
#1	-.0301	9.744
#2	-.0273	9.784
#3	-.0306	9.721

Analysis Report Tue 09-12-95 05:06:21 PM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 17:05:02
Comment: QTR SEG 2D @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0306	.0007	.0247	-.0000	.0000	-.0036
SDev	.0006	.0015	.0034	.0026	.0002	.0000	.0019
%RSD	128.0	4.915	457.9	10.35	436.8	110.5	52.94
#1	.0006	.0300	.0001	.0268	.0001	.0000	-.0035
#2	.0009	.0323	-.0023	.0256	-.0000	-.0000	-.0017
#3	-.0002	.0295	.0044	.0219	-.0002	.0000	-.0055

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0164	.0015	.0015	.0009	-.0005	.0009	.0005
SDev	.0016	.0005	.0039	.0007	.0007	.0004	.0005
%RSD	10.05	31.43	268.8	84.62	134.5	46.88	95.51
#1	.0175	.0009	-.0019	.0005	.0002	.0009	.0003
#2	.0173	.0016	.0058	.0017	-.0011	.0004	.0011
#3	.0145	.0018	.0004	.0004	-.0006	.0012	.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0008	.0818	.0005	.0043	-.0023	.0009
SDev	.0002	.0008	.1750	.0008	.0014	.0017	.0004
%RSD	281.6	101.7	213.9	175.3	31.91	74.15	50.62
#1	-.0001	-.0015	.0437	-.0001	.0041	-.0031	.0011
#2	.0003	.0001	.2728	.0014	.0058	-.0034	.0011
#3	.0000	-.0010	-.0709	.0001	.0030	-.0003	.0004

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	-.1358	.0044	-.0008	.0184	.0059	.0040
SDev	.0007	.0066	.0039	.0019	.0193	.0054	.0067
%RSD	38.90	4.832	87.28	236.9	105.2	91.53	165.9
#1	.0021	-.1430	.0027	-.0015	.0025	-.0003	-.0027
#2	.0010	-.1301	.0089	.0014	.0399	.0097	.0107
#3	.0024	-.1343	.0018	-.0022	.0127	.0083	.0042

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	-.0033	-.0034	-.0065	.0240	-.0000	-.0002
SDev	.0079	.0065	.0016	.0025	.0092	.0001	.0028
%RSD	400.7	195.8	47.72	37.97	38.47	1136.	1433.
#1	.0030	-.0107	-.0017	-.0084	.0248	.0000	-.0012
#2	.0093	.0009	-.0037	-.0037	.0327	.0000	-.0023
#3	-.0064	-.0000	-.0049	-.0074	.0144	-.0001	.0030

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0003	-.0030	.0630	.0003	.0004	.0003
SDev	.0013	.0001	.0051	.0894	.0006	.0040	.0001

%RSD	74.23	58.71	171.3	141.9	185.2	1033.	47.52
#1	.0020	.0004	-.0057	-.0127	.0000	.0020	.0002
#2	.0029	.0003	-.0061	.1616	.0011	.0032	.0004
#3	.0003	.0001	.0029	.0401	-.0001	-.0041	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0004	-.0001
SDev	.0004	.0007
%RSD	83.73	1214.
#1	-.0006	-.0006
#2	-.0006	.0007
#3	-.0000	-.0003

Analysis Report Tue 09-12-95 05:08:23 PM page 1

Method: ICP1 Sample Name: 95-007944-N1 @10 Operator: DRS
Run Time: 09/12/95 17:07:04
Comment: QTR SEG 3A @10X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	3.648	.0219	.1076	.0027	.0001	.0090
SDev	.0003	.026	.0061	.0017	.0001	.0001	.0029
%RSD	13.26	.7053	27.91	1.593	4.538	75.79	32.01
#1	.0029	3.623	.0278	.1086	.0028	.0001	.0057
#2	.0023	3.647	.0156	.1086	.0027	.0001	.0102
#3	.0023	3.675	.0225	.1056	.0025	.0000	.0111

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4451	.0018	.0100	.0043	.0213	.0050	.0037
SDev	.0020	.0006	.0019	.0003	.0003	.0008	.0007
%RSD	.4554	33.53	19.28	7.120	1.328	15.11	18.52
#1	.4447	.0011	.0080	.0047	.0209	.0044	.0045
#2	.4433	.0018	.0118	.0041	.0214	.0058	.0033
#3	.4473	.0023	.0104	.0042	.0214	.0047	.0033

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.1841	.8948	.0070	.0103	.0261	.0027
SDev	.0003	.0008	.0982	.0014	.0002	.0044	.0002
%RSD	23.09	.4222	10.98	20.78	1.887	16.97	6.194
#1	.0014	.1832	.9931	.0074	.0101	.0236	.0028
#2	.0014	.1844	.8948	.0081	.0105	.0236	.0025
#3	.0009	.1847	.7966	.0053	.0105	.0313	.0028

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0054	1186.	.0277	.1196	.0766	.0425	.0651
SDev	.0018	6.	.0042	.0022	.0099	.0075	.0072
%RSD	32.75	.5384	15.27	1.862	12.91	17.60	11.04
#1	.0039	1179.	.0325	.1170	.0789	.0488	.0733
#2	.0050	1189.	.0246	.1207	.0658	.0445	.0615
#3	.0074	1191.	.0259	.1211	.0851	.0342	.0603

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0303	.0116	.0207	.1458	.0899	.0455	.0130
SDev	.0066	.0063	.0043	.0027	.0123	.0003	.0033
%RSD	21.93	54.93	20.56	1.867	13.71	.6557	25.39
#1	.0308	.0185	.0159	.1485	.0893	.0452	.0160
#2	.0366	.0100	.0238	.1460	.0779	.0454	.0095
#3	.0234	.0061	.0225	.1431	.1025	.0458	.0135

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	.0035	.0220	.4230	.0041	.0114	.0016
SDev	.0089	.0003	.0037	.0535	.0001	.0102	.0003

Analysis Report Tue 09-12-95 05:08:23 PM page 2

%RSD	138.9	6.973	16.97	12.66	2.962	90.06	17.73
#1	-.0032	.0036	.0260	.4712	.0041	.0180	.0019
#2	.0080	.0037	.0211	.4325	.0042	.0165	.0016
#3	.0145	.0033	.0187	.3654	.0040	-.0004	.0013

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0092	.7619
SDev	.0003	.0062
%RSD	3.018	.8107
#1	.0095	.7576
#2	.0091	.7591
#3	.0091	.7690

Analysis Report Tue 09-12-95 05:12:08 PM page 1

Method: ICP1 Sample Name: 95-007944-N1 @2 Operator: DRS
Run Time: 09/12/95 17:10:48
Comment: QTR SEG 3A @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0059	17.07	.0525	.4215	.0111	.0003	.0385
SDev	.0013	.21	.0053	.0083	.0001	.0000	.0029
%RSD	22.86	1.247	10.01	1.959	1.092	5.071	7.541
#1	.0073	16.83	.0573	.4127	.0111	.0003	.0418
#2	.0046	17.25	.0532	.4290	.0109	.0003	.0376
#3	.0057	17.12	.0469	.4228	.0112	.0003	.0362

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.162	.0035	.0185	.0143	.1024	.0212	.0104
SDev	.015	.0007	.0124	.0012	.0016	.0012	.0014
%RSD	.6706	18.99	67.03	8.189	1.591	5.820	13.07
#1	2.146	.0043	.0310	.0149	.1006	.0226	.0118
#2	2.170	.0033	.0061	.0130	.1038	.0206	.0091
#3	2.172	.0030	.0184	.0151	.1027	.0203	.0104

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.8280	2.575	.0200	.0319	.0794	.0102
SDev	.0001	.0084	.191	.0017	.0002	.0032	.0003
%RSD	4.340	1.009	7.421	8.418	.6101	3.987	2.595
#1	.0036	.8184	2.745	.0218	.0320	.0799	.0101
#2	.0034	.8340	2.368	.0184	.0316	.0760	.0105
#3	.0034	.8314	2.614	.0198	.0320	.0823	.0101

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0176	4330.	.0846	.5550	.3251	.1178	.1500
SDev	.0017	65.	.0059	.0053	.0202	.0025	.0182
%RSD	9.584	1.510	7.003	.9548	6.224	2.159	12.17
#1	.0188	4257.	.0894	.5505	.3037	.1199	.1699
#2	.0157	4385.	.0780	.5536	.3439	.1150	.1340
#3	.0184	4347.	.0863	.5609	.3276	.1184	.1461

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0771	.0393	.0528	.7211	.2094	.2057	.0402
SDev	.0094	.0042	.0141	.0006	.0122	.0026	.0079
%RSD	12.18	10.78	26.83	.0873	5.827	1.257	19.55
#1	.0870	.0442	.0691	.7204	.2208	.2028	.0464
#2	.0684	.0376	.0437	.7214	.1965	.2077	.0314
#3	.0758	.0362	.0455	.7215	.2110	.2066	.0430

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0323	.0133	.0615	1.236	.0126	.0458	.0048
SDev	.0019	.0002	.0016	.126	.0008	.0045	.0006

%RSD	5.807	1.442	2.635	10.18	6.255	9.747	12.15
#1	.0329	.0134	.0630	1.366	.0134	.0423	.0053
#2	.0337	.0130	.0598	1.115	.0118	.0508	.0042
#3	.0302	.0134	.0615	1.227	.0126	.0443	.0050

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0458	3.600
SDev	.0001	.041
%RSD	.2644	1.127
#1	.0460	3.553
#2	.0458	3.628
#3	.0457	3.618

Analysis Report Tue 09-12-95 05:16:37 PM page 1

Method: ICP1 Sample Name: 95-007945-N1 @10 Operator: DRS
Run Time: 09/12/95 17:15:17
Comment: QTR SEG 4A @10X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	1.717	.0200	.0493	.0333	.0001	.1482
SDev	.0004	.005	.0033	.0010	.0003	.0000	.0043
%RSD	24.56	.3134	16.68	1.979	.9684	2.402	2.893
#1	.0018	1.712	.0174	.0494	.0329	.0001	.1471
#2	.0020	1.718	.0238	.0483	.0334	.0001	.1530
#3	.0012	1.722	.0188	.0502	.0335	.0001	.1446

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.753	.0018	.0032	.0056	.0689	.0042	.0031
SDev	.010	.0006	.0065	.0001	.0013	.0004	.0006
%RSD	.5497	35.75	201.8	2.064	1.844	9.878	20.56
#1	1.742	.0020	.0107	.0057	.0702	.0046	.0035
#2	1.760	.0022	-.0003	.0056	.0690	.0042	.0034
#3	1.757	.0010	-.0007	.0055	.0676	.0038	.0024

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	2.292	.7366	.0110	.0049	.1728	.0343
SDev	.0002	.014	.1184	.0013	.0012	.0025	.0005
%RSD	12.50	.6109	16.08	11.45	25.08	1.456	1.454
#1	.0013	2.276	.8130	.0112	.0045	.1745	.0337
#2	.0015	2.301	.7966	.0121	.0062	.1699	.0344
#3	.0011	2.299	.6002	.0097	.0039	.1739	.0347

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	1201.	.0248	1.673	.0740	.1422	.0227
SDev	.0004	6.	.0020	.011	.0117	.0036	.0043
%RSD	7.858	.4603	8.098	.6844	15.81	2.524	19.18
#1	.0060	1199.	.0257	1.661	.0677	.1414	.0232
#2	.0054	1197.	.0262	1.677	.0668	.1461	.0268
#3	.0052	1207.	.0225	1.682	.0875	.1391	.0181

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0241	.0120	.0212	.2883	.0559	1.593	.0144
SDev	.0040	.0076	.0095	.0010	.0155	.010	.0020
%RSD	16.63	63.67	44.90	.3530	27.74	.6078	13.93
#1	.0269	.0175	.0137	.2872	.0543	1.582	.0150
#2	.0258	.0152	.0319	.2892	.0721	1.595	.0160
#3	.0195	.0033	.0179	.2884	.0412	1.601	.0122

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0578	.0051	.0082	4.014	.0033	.0053	.0021
SDev	.0046	.0001	.0052	.020	.0002	.0058	.0002

%RSD	7.967	2.737	63.15	.4942	6.665	110.1	8.092
#1	.0622	.0052	.0111	4.009	.0034	.0027	.0020
#2	.0530	.0052	.0022	4.036	.0035	.0120	.0023
#3	.0583	.0050	.0112	3.998	.0031	.0012	.0020

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0253	1.526
SDev	.0004	.010
%RSD	1.706	.6375
#1	.0252	1.515
#2	.0249	1.533
#3	.0257	1.531

Analysis Report Tue 09-12-95 05:20:21 PM page

Method: ICP1 Sample Name: 95-007945-N1 @2 Operator: DRS
Run Time: 09/12/95 17:19:02
Comment: QTR SEG 4A @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	8.033	.0646	.2099	.1477	.0005	.7154
SDev	.0014	.133	.0077	.0024	.0022	.0000	.0147
%RSD	59.78	1.655	11.92	1.135	1.502	4.820	2.061
#1	.0040	7.886	.0725	.2095	.1453	.0005	.7034
#2	.0013	8.145	.0572	.2124	.1497	.0006	.7319
#3	.0019	8.068	.0640	.2077	.1482	.0005	.7109

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.318	.0052	-.0301	.0212	.3214	.0188	.0083
SDev	.102	.0023	.0113	.0011	.0006	.0009	.0014
%RSD	1.221	43.18	37.57	5.113	.1740	4.767	17.21
#1	8.205	.0027	-.0174	.0224	.3208	.0190	.0099
#2	8.401	.0069	-.0337	.0208	.3219	.0178	.0071
#3	8.349	.0062	-.0391	.0203	.3215	.0195	.0080

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	10.46	2.504	.0415	.0177	.7679	.1558
SDev	.0005	.15	.295	.0015	.0014	.0071	.0017
%RSD	12.38	1.400	11.77	3.702	7.700	.9300	1.063
#1	.0047	10.30	2.843	.0432	.0177	.7615	.1539
#2	.0039	10.58	2.303	.0404	.0163	.7756	.1571
#3	.0037	10.50	2.368	.0408	.0190	.7665	.1564

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0145	4407.	.0754	7.615	.3242	.5990	.0050
SDev	.0008	95.	.0081	.090	.0077	.0077	.0269
%RSD	5.312	2.158	10.74	1.185	2.371	1.281	537.1
#1	.0154	4302.	.0847	7.519	.3325	.5988	.0341
#2	.0140	4488.	.0703	7.698	.3173	.6068	-.0190
#3	.0141	4432.	.0712	7.629	.3229	.5915	-.0000

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0623	.0255	.0467	1.412	.1049	7.206	.0441
SDev	.0134	.0073	.0102	.015	.0353	.135	.0017
%RSD	21.52	28.64	21.84	1.065	33.66	1.867	3.856
#1	.0771	.0322	.0582	1.396	.1401	7.054	.0457
#2	.0509	.0177	.0432	1.426	.0695	7.310	.0423
#3	.0588	.0267	.0387	1.413	.1050	7.255	.0442

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2742	.0212	.0544	17.24	.0098	.0339	.0082
SDev	.0064	.0003	.0033	.20	.0009	.0071	.0007

%RSD	2.322	1.344	6.144	1.136	9.587	20.91	8.967
#1	.2764	.0215	.0506	17.02	.0109	.0271	.0089
#2	.2792	.0211	.0562	17.34	.0092	.0412	.0075
#3	.2671	.0209	.0565	17.37	.0092	.0333	.0081

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1219	6.996
SDev	.0031	.116
%RSD	2.549	1.658
#1	.1198	6.865
#2	.1255	7.087
#3	.1205	7.035

Analysis Report Tue 09-12-95 05:24:03 PM page 1

Method: ICP1 Sample Name: 95-007945-N1-PS @5 Operator: DRS
Run Time: 09/12/95 17:22:43
Comment: QTR SEG 4A POST DIGEST SPIKE @5X DIL(Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	12.31	.0524	.0890	.0638	.0005	.3068
SDev	.0009	.08	.0150	.0017	.0004	.0000	.0112
%RSD	27.41	.6620	28.60	1.944	.6069	4.285	3.656
#1	.0038	12.24	.0400	.0909	.0633	.0005	.2965
#2	.0022	12.40	.0481	.0877	.0640	.0005	.3051
#3	.0035	12.30	.0690	.0883	.0639	.0005	.3187

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.070	.2404	-.0005	.0127	1.572	.0012	.0036
SDev	.035	.0028	.0066	.0006	.009	.0006	.0006
%RSD	.4339	1.156	1404.	4.326	.5768	48.66	17.69
#1	8.036	.2381	.0062	.0126	1.576	.0019	.0039
#2	8.106	.2435	-.0070	.0123	1.578	.0011	.0029
#3	8.068	.2396	-.0006	.0133	1.561	.0007	.0040

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	4.413	18.50	.0230	.0113	.4445	.1601
SDev	.0001	.020	.11	.0003	.0000	.0076	.0003
%RSD	2.400	.4583	.5688	1.240	.0307	1.709	.1639
#1	.0024	4.393	18.43	.0227	.0113	.4358	.1599
#2	.0023	4.433	18.62	.0232	.0113	.4488	.1600
#3	.0024	4.413	18.46	.0231	.0113	.4490	.1604

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	2195.	.0445	8.121	.1790	5.262	-.0947
SDev	.0005	18.	.0020	.032	.0129	.029	.0093
%RSD	6.037	.8322	4.412	.3928	7.229	.5458	9.805
#1	.0088	2180.	.0468	8.097	.1642	5.238	-.0841
#2	.0080	2215.	.0432	8.157	.1881	5.294	-.1013
#3	.0090	2191.	.0435	8.108	.1847	5.256	-.0987

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0345	.0123	.0287	10.30	.0822	3.090	.0245
SDev	.0060	.0063	.0059	.05	.0206	.020	.0035
%RSD	17.31	50.88	20.52	.4758	25.09	.6554	14.43
#1	.0410	.0106	.0253	10.26	.1060	3.070	.0278
#2	.0293	.0192	.0252	10.35	.0699	3.110	.0208
#3	.0331	.0071	.0354	10.28	.0706	3.090	.0251

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3587	.0107	.0500	26.43	.0070	.0214	.0054
SDev	.0020	.0001	.0016	.17	.0007	.0038	.0003

%RSD	.5547	.9918	3.208	.6383	9.515	17.96	4.662
#1	.3591	.0106	.0482	26.28	.0075	.0173	.0057
#2	.3565	.0106	.0507	26.61	.0062	.0249	.0052
#3	.3605	.0108	.0512	26.38	.0072	.0220	.0053

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0461	3.458
SDev	.0002	.025
%RSD	.3846	.7208
#1	.0463	3.432
#2	.0462	3.482
#3	.0459	3.461

Analysis Report Tue 09-12-95 05:27:50 PM page 1

Method: ICP1 Sample Name: 95-007946-N1 @10 Operator: DRS
Run Time: 09/12/95 17:26:30
Comment: QTR SEG 4B @10X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	1.280	.0273	.0547	.0668	.0002	.3293
SDev	.0014	.009	.0114	.0021	.0004	.0000	.0036
%RSD	174.5	.6646	41.96	3.779	.6276	17.22	1.100
#1	-.0004	1.289	.0147	.0527	.0670	.0001	.3324
#2	.0005	1.279	.0300	.0546	.0670	.0002	.3253
#3	.0023	1.272	.0371	.0568	.0663	.0002	.3303

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.753	.0021	-.0169	.0067	.0559	.0042	.0039
SDev	.008	.0007	.0099	.0011	.0012	.0006	.0014
%RSD	.4462	32.94	58.74	16.22	2.198	14.30	35.76
#1	1.757	.0023	-.0251	.0059	.0545	.0039	.0024
#2	1.758	.0013	-.0197	.0063	.0562	.0038	.0040
#3	1.744	.0027	-.0059	.0080	.0569	.0049	.0052

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	3.203	.9767	.0096	.0061	.1799	.0387
SDev	.0003	.023	.1661	.0018	.0011	.0117	.0002
%RSD	22.10	.7103	17.01	18.88	17.79	6.482	.5745
#1	.0013	3.221	.8294	.0079	.0049	.1792	.0389
#2	.0015	3.212	.9439	.0094	.0066	.1686	.0388
#3	.0020	3.178	1.157	.0115	.0069	.1919	.0385

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	1140.	.0320	1.963	.6150	.1266	.0069
SDev	.0011	12.	.0080	.008	.0175	.0115	.0216
%RSD	21.27	1.095	25.06	.3949	2.854	9.044	312.6
#1	.0040	1147.	.0262	1.969	.5964	.1194	-.0132
#2	.0054	1146.	.0287	1.965	.6313	.1206	.0041
#3	.0061	1125.	.0412	1.954	.6174	.1398	.0297

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0253	.0083	.0214	.2530	.0601	2.936	.0197
SDev	.0138	.0041	.0076	.0049	.0139	.030	.0008
%RSD	54.35	49.12	35.26	1.938	23.12	1.006	4.052
#1	.0153	.0064	.0128	.2480	.0568	2.958	.0192
#2	.0197	.0055	.0268	.2531	.0481	2.949	.0194
#3	.0410	.0130	.0247	.2578	.0753	2.903	.0207

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1085	.0063	.0161	6.757	.0038	.0158	.0032
SDev	.0037	.0008	.0016	.049	.0009	.0030	.0007

%RSD	3.438	13.24	9.944	.7281	24.48	19.16	23.45
#1	.1086	.0058	.0146	6.764	.0030	.0134	.0027
#2	.1047	.0059	.0178	6.802	.0036	.0148	.0027
#3	.1121	.0073	.0159	6.704	.0048	.0192	.0040

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0164	3.066
SDev	.0006	.029
%RSD	3.882	.9372
#1	.0162	3.084
#2	.0172	3.081
#3	.0159	3.033

Analysis Report Tue 09-12-95 05:31:51 PM page 1

Method: ICP1 Sample Name: 95-007946-N1 @2 Operator: DRS
Run Time: 09/12/95 17:30:32
Comment: QTR SEG 4B @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0026	6.027	.0579	.2331	.2993	.0007	1.520
SDev	.0012	.055	.0069	.0003	.0027	.0000	.014
%RSD	45.58	.9123	11.97	.1216	.9015	6.581	.9529
#1	-.0039	6.091	.0570	.2327	.3025	.0006	1.532
#2	-.0015	5.997	.0514	.2333	.2979	.0007	1.504
#3	-.0024	5.994	.0651	.2331	.2977	.0007	1.524

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.324	.0060	-.0898	.0204	.2578	.0169	.0072
SDev	.047	.0011	.0121	.0009	.0024	.0020	.0013
%RSD	.5610	17.56	13.44	4.506	.9301	11.74	17.44
#1	8.377	.0073	-.1036	.0196	.2557	.0148	.0058
#2	8.308	.0053	-.0811	.0201	.2604	.0187	.0079
#3	8.289	.0055	-.0847	.0214	.2573	.0172	.0080

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	14.65	2.641	.0307	.0172	.7854	.1768
SDev	.0001	.11	.183	.0019	.0007	.0148	.0012
%RSD	3.043	.7699	6.911	6.268	4.096	1.880	.6651
#1	.0044	14.78	2.434	.0285	.0167	.7771	.1782
#2	.0047	14.60	2.712	.0322	.0180	.8025	.1764
#3	.0047	14.58	2.777	.0315	.0170	.7767	.1759

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0140	4246.	.0864	9.015	2.068	.5357	-.1047
SDev	.0015	62.	.0073	.063	.031	.0027	.0233
%RSD	10.98	1.449	8.384	.7042	1.485	.5070	22.25
#1	.0128	4317.	.0782	9.088	2.089	.5351	-.1315
#2	.0134	4212.	.0919	8.974	2.082	.5386	-.0933
#3	.0157	4209.	.0892	8.984	2.033	.5333	-.0893

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0465	.0323	.0639	1.232	.0318	13.48	.0542
SDev	.0072	.0064	.0064	.005	.0408	.12	.0059
%RSD	15.56	19.84	10.08	.3691	128.7	.8890	10.92
#1	.0398	.0251	.0579	1.236	-.0148	13.62	.0485
#2	.0542	.0375	.0707	1.231	.0482	13.41	.0537
#3	.0455	.0341	.0632	1.227	.0618	13.41	.0603

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4676	.0249	.0562	29.46	.0108	.0332	.0109
SDev	.0055	.0003	.0051	.17	.0009	.0036	.0005

Analysis Report Tue 09-12-95 05:31:51 PM page 2

%RSD	1.182	1.325	9.094	.5660	8.550	10.87	4.227
#1	.4739	.0246	.0503	29.65	.0097	.0352	.0104
#2	.4651	.0252	.0594	29.34	.0113	.0290	.0112
#3	.4637	.0249	.0589	29.40	.0113	.0353	.0112

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0806	11.52
SDev	.0007	.11
%RSD	.8480	.9856
#1	.0809	11.65
#2	.0810	11.46
#3	.0798	11.45

Analysis Report Tue 09-12-95 05:36:00 PM page

Method: ICP1 Sample Name: 95-007947-N1 @10 Operator: DRS
Run Time: 09/12/95 17:34:40
Comment: QTR SEG 4C @10X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	.8162	.0251	.0302	.0124	.0002	.1128
SDev	.0009	.0027	.0018	.0009	.0003	.0000	.0017
%RSD	15.89	.3322	7.203	2.867	2.057	2.605	1.513
#1	.0045	.8130	.0269	.0292	.0123	.0002	.1145
#2	.0059	.8178	.0233	.0307	.0122	.0002	.1129
#3	.0061	.8177	.0251	.0308	.0127	.0002	.1111

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.245	.0022	.0294	.0076	.0115	.0101	.0066
SDev	.007	.0004	.0032	.0006	.0004	.0001	.0003
%RSD	.3117	18.14	10.84	7.814	3.475	.7966	5.304
#1	2.248	.0020	.0274	.0072	.0115	.0102	.0064
#2	2.237	.0020	.0331	.0083	.0112	.0100	.0063
#3	2.250	.0027	.0278	.0074	.0120	.0100	.0070

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	3.889	1.479	.0152	.0079	.1612	.0410
SDev	.0002	.011	.074	.0010	.0009	.0030	.0002
%RSD	10.30	.2922	4.992	6.343	11.40	1.857	.5356
#1	.0022	3.895	1.402	.0141	.0069	.1622	.0412
#2	.0023	3.876	1.550	.0159	.0085	.1635	.0408
#3	.0027	3.897	1.484	.0156	.0082	.1578	.0410

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	1106.	.0505	.7509	.4575	.1627	.0786
SDev	.0008	5.	.0068	.0055	.0107	.0043	.0124
%RSD	8.885	.4963	13.55	.7295	2.329	2.623	15.80
#1	.0093	1112.	.0430	.7504	.4642	.1612	.0643
#2	.0086	1102.	.0563	.7457	.4452	.1675	.0844
#3	.0078	1103.	.0521	.7567	.4631	.1594	.0871

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0498	.0222	.0318	.1674	.1213	.1417	.0303
SDev	.0048	.0065	.0094	.0041	.0228	.0006	.0036
%RSD	9.659	29.33	29.65	2.455	18.81	.4550	11.85
#1	.0447	.0279	.0216	.1667	.0950	.1423	.0266
#2	.0543	.0236	.0403	.1718	.1352	.1410	.0305
#3	.0504	.0151	.0335	.1637	.1337	.1417	.0338

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0816	.0059	.0219	5.772	.0059	.0155	.0043
SDev	.0124	.0005	.0088	.041	.0003	.0069	.0002

%RSD	15.16	7.951	40.11	.7136	5.301	44.53	3.965
#1	.0929	.0054	.0123	5.725	.0055	.0203	.0042
#2	.0834	.0063	.0240	5.788	.0059	.0185	.0045
#3	.0684	.0061	.0296	5.803	.0061	.0076	.0042

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0261	1.592
SDev	.0013	.003
%RSD	4.960	.1933
#1	.0250	1.590
#2	.0275	1.596
#3	.0259	1.591

Analysis Report Tue 09-12-95 05:40:48 PM page 1

Method: ICP1 Sample Name: 95-007947-N1 @2 Operator: DRS
Run Time: 09/12/95 17:39:28
Comment: QTR SEG 4C @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0057	3.886	.0598	.1331	.0519	.0005	.4879
SDev	.0005	.013	.0023	.0019	.0001	.0000	.0043
%RSD	8.924	.3460	3.845	1.453	.1334	5.125	.8911
#1	.0056	3.897	.0584	.1344	.0520	.0005	.4888
#2	.0052	3.871	.0625	.1309	.0518	.0005	.4832
#3	.0062	3.890	.0585	.1339	.0518	.0005	.4918

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.79	.0049	.0229	.0175	.0509	.0345	.0051
SDev	.02	.0027	.0018	.0002	.0017	.0007	.0007
%RSD	.2062	54.90	7.883	1.361	3.373	2.128	13.27
#1	10.82	.0040	.0219	.0173	.0521	.0339	.0044
#2	10.77	.0028	.0219	.0176	.0517	.0343	.0051
#3	10.79	.0079	.0250	.0177	.0490	.0353	.0057

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	18.20	2.379	.0300	.0166	.6692	.1912
SDev	.0001	.05	.096	.0017	.0008	.0064	.0011
%RSD	2.358	.2843	4.032	5.573	4.725	.9552	.5614
#1	.0040	18.26	2.270	.0284	.0157	.6658	.1924
#2	.0040	18.16	2.417	.0297	.0171	.6652	.1904
#3	.0042	18.20	2.450	.0317	.0171	.6766	.1907

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0201	4276.	.0908	3.509	.8392	.5983	-.0334
SDev	.0009	25.	.0010	.012	.0094	.0033	.0074
%RSD	4.406	.5907	1.117	.3471	1.120	.5449	22.09
#1	.0207	4301.	.0897	3.522	.8380	.5976	-.0410
#2	.0191	4250.	.0908	3.498	.8305	.5954	-.0263
#3	.0206	4276.	.0918	3.507	.8491	.6018	-.0328

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0464	.0294	.0644	.8129	-.0105	.6590	.0413
SDev	.0027	.0085	.0095	.0018	.0191	.0025	.0052
%RSD	5.726	28.78	14.80	.2267	183.0	.3768	12.54
#1	.0450	.0233	.0587	.8149	-.0315	.6618	.0400
#2	.0447	.0391	.0591	.8113	-.0058	.6571	.0471
#3	.0495	.0258	.0754	.8126	.0060	.6582	.0370

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3531	.0176	.0434	24.55	.0093	.0286	.0105
SDev	.0063	.0004	.0057	.08	.0003	.0111	.0001

%RSD	1.774	2.111	13.03	.3259	3.717	38.85	1.325
#1	.3468	.0173	.0485	24.62	.0089	.0255	.0106
#2	.3593	.0174	.0373	24.46	.0096	.0194	.0104
#3	.3531	.0180	.0444	24.57	.0093	.0410	.0106

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1294	3.993
SDev	.0004	.009
%RSD	.3476	.2217
#1	.1289	4.002
#2	.1298	3.985
#3	.1296	3.991

Analysis Report QC Standard Tue 09-12-95 05:46:18 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/12/95 17:44:59
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DLB 9/12/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4936	24.55	2.627	1.966	.5223	.0953	24.84
SDev	.0030	.21	.005	.017	.0053	.0007	.17
%RSD	.6053	.8714	.1986	.8894	1.023	.7245	.7040
#1	.4943	24.61	2.626	1.971	.5237	.0956	24.88
#2	.4962	24.73	2.622	1.981	.5268	.0957	24.98
#3	.4903	24.31	2.632	1.947	.5164	.0945	24.64
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.91	.4946	-.0325	1.043	1.039	1.027	.0016
SDev	.11	.0046	.0090	.005	.011	.010	.0009
%RSD	.4447	.9230	27.68	.5120	1.065	1.021	58.87
#1	24.96	.4943	-.0344	1.044	1.036	1.027	.0014
#2	24.99	.4993	-.0404	1.047	1.052	1.038	.0008
#3	24.79	.4902	-.0227	1.037	1.030	1.017	.0026
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	20.78	24.19	.0058	1.826	27.03	.5117
SDev	.0004	.13	.12	.0008	.024	.15	.0033
%RSD	16.46	.6371	.5078	14.57	1.332	.5593	.6427
#1	.0022	20.83	24.07	.0056	1.830	27.07	.5134
#2	.0019	20.88	24.32	.0051	1.848	27.15	.5137
#3	.0027	20.63	24.19	.0068	Q1.800	26.86	.5079
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.046	25.64	.0169	1.076	.0566	2.644	-.0087
SDev	.005	.29	.0079	.005	.0168	.010	.0220
%RSD	.4989	1.126	46.65	.4965	29.70	.3936	251.2
#1	1.048	25.63	.0160	1.080	.0759	2.633	-.0127
#2	1.050	25.93	.0095	1.077	.0486	2.654	-.0285
#3	1.040	25.35	.0253	1.070	.0452	2.647	.0149
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	2.585	2.546	19.10	-.1748	.5481	-.0046
SDev	.0105	.017	.009	.12	.0499	.0052	.0036
%RSD	167.6	.6447	.3718	.6537	28.56	.9491	77.73
#1	.0038	2.567	2.535	19.14	-.2066	.5495	-.0051
#2	-.0028	2.590	2.552	19.21	-.2005	Q.5524	-.0078
#3	.0177	2.599	2.551	18.96	-.1172	.5423	-.0008
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0433	1.023	2.524	.2112	1.011	.0318	.0006
SDev	.0031	.008	.017	.1186	.006	.0063	.0005
%RSD	7.225	.8016	.6744	56.17	.5666	19.80	79.47
#1	.0401	1.026	2.521	.2130	1.013	.0390	.0003
#2	.0464	1.030	2.542	.0917	1.016	.0282	.0004
#3	.0434	1.014	2.509	.3290	1.005	.0280	.0012
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.034	2.103
SDev	.004	.018
%RSD	.3613	.8652
#1	1.030	2.112
#2	1.038	2.115
#3	1.033	2.082
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

WHC-SD-WM-DP-145, REV. 1

Analysis Report Tue 09-12-95 05:53:37 PM page 1

Method: ICP1 Sample Name: SST-ICS-1 95-9~~11~~1101 Operator: DRS
Run Time: 09/12/95 17:52:17
Comment: QTR SEG 4C @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0060	91.24	.1788	.0002	.0007	.0007	.0656
SDev	.0011	.64	.0103	.0014	.0002	.0000	.0110
%RSD	18.34	.7045	5.733	664.5	29.08	3.652	16.82
#1	-.0057	90.99	.1752	.0018	.0008	.0007	.0783
#2	-.0072	91.98	.1709	-.0006	.0005	.0007	.0579
#3	-.0051	90.77	.1904	-.0006	.0007	.0007	.0607

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0467	.0091	-.1297	.0106	.0404	-.0139	.0012
SDev	.0014	.0003	.0073	.0001	.0022	.0013	.0009
%RSD	2.936	3.888	5.612	1.129	5.346	9.031	75.64
#1	.0465	.0089	-.1315	.0106	.0384	-.0127	.0019
#2	.0455	.0095	-.1358	.0107	.0427	-.0152	.0002
#3	.0482	.0088	-.1216	.0105	.0402	-.0139	.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	18.55	.5456	.0090	.0128	.3141	.0021
SDev	.0003	.10	.1229	.0005	.0014	.0082	.0004
%RSD	16.39	.5143	22.52	5.995	10.74	2.622	18.20
#1	.0019	18.53	.6657	.0089	.0142	.3124	.0026
#2	.0014	18.65	.4201	.0086	.0115	.3069	.0018
#3	.0019	18.47	.5511	.0096	.0125	.3231	.0020

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0151	3733.	.0098	48.20	.0922	.2407	-.3180
SDev	.0022	23.	.0059	.16	.0061	.0061	.0127
%RSD	14.62	.6233	60.34	.3388	6.571	2.553	4.004
#1	.0155	3722.	.0132	48.24	.0956	.2468	-.3104
#2	.0127	3760.	.0030	48.35	.0852	.2407	-.3327
#3	.0171	3717.	.0133	48.03	.0957	.2345	-.3108

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0124	.0207	.0624	-.0054	-.1215	.0008	.0247
SDev	.0053	.0043	.0094	.0030	.0352	.0001	.0101
%RSD	42.20	20.91	15.02	56.56	28.95	11.42	41.08
#1	.0148	.0257	.0619	-.0068	-.0877	.0008	.0347
#2	.0064	.0182	.0533	-.0075	-.1579	.0007	.0145
#3	.0161	.0182	.0720	-.0019	-.1189	.0008	.0248

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6876	.0033	.2265	46.60	.0053	.0534	.0052
SDev	.0093	.0006	.0070	.28	.0011	.0057	.0004

%RSD	1.358	17.50	3.080	.6095	20.23	10.61	8.801
#1	.6967	.0039	.2289	46.45	.0063	.0530	.0057
#2	.6880	.0028	.2319	46.93	.0042	.0479	.0048
#3	.6781	.0033	.2186	46.42	.0056	.0592	.0050

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0299	9.691
SDev	.0013	.065
%RSD	4.246	.6663
#1	-.0310	9.662
#2	-.0302	9.765
#3	-.0285	9.646

Analysis Report Tue 09-12-95 05:57:57 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 17:56:38
Comment: QTR SEG 4C @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0102	.0030	.0002	.0002	.0000	-.0006
SDev	.0003	.0060	.0014	.0010	.0000	.0000	.0043
%RSD	11.36	58.23	47.01	464.9	.5997	289.5	739.3
#1	.0026	.0104	.0046	-.0009	.0002	-.0000	-.0033
#2	.0023	.0161	.0023	.0011	.0002	.0000	.0044
#3	.0029	.0042	.0021	.0005	.0002	-.0000	-.0028

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0034	.0022	.0101	.0025	-.0010	.0027	.0023
SDev	.0010	.0018	.0014	.0005	.0018	.0008	.0002
%RSD	29.05	83.44	13.53	20.39	175.7	29.70	10.47
#1	.0039	.0006	.0107	.0019	.0003	.0034	.0023
#2	.0041	.0018	.0111	.0027	-.0003	.0029	.0025
#3	.0023	.0041	.0086	.0029	-.0030	.0018	.0020

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0019	.4365	.0026	.0029	.0081	.0004
SDev	.0002	.0007	.1022	.0007	.0005	.0026	.0003
%RSD	25.50	38.41	23.42	27.97	17.62	31.99	84.01
#1	.0008	.0027	.4692	.0029	.0034	.0101	.0004
#2	.0008	.0019	.5184	.0032	.0030	.0090	.0007
#3	.0005	.0012	.3219	.0018	.0024	.0052	.0000

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0901	.0109	.0032	.0099	.0146	.0281
SDev	.0005	.0448	.0010	.0023	.0105	.0074	.0086
%RSD	20.15	49.74	9.570	72.41	106.5	50.80	30.51
#1	.0024	.1017	.0101	.0053	.0098	.0130	.0341
#2	.0028	.1280	.0121	.0036	-.0006	.0226	.0319
#3	.0019	.0406	.0105	.0007	.0204	.0081	.0183

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0145	.0006	.0092	-.0062	.0678	.0006	.0059
SDev	.0018	.0052	.0103	.0022	.0104	.0001	.0041
%RSD	12.17	892.6	112.6	35.81	15.38	18.72	70.02
#1	.0148	.0062	.0171	-.0044	.0652	.0007	.0084
#2	.0161	-.0041	.0128	-.0056	.0793	.0006	.0082
#3	.0126	-.0004	-.0025	-.0087	.0590	.0005	.0011

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0090	.0009	.0021	.1934	.0015	.0051	.0008
SDev	.0019	.0001	.0041	.0549	.0004	.0070	.0003

%RSD	21.03	11.79	196.0	28.41	25.87	136.0	40.60
#1	.0099	.0010	-.0013	.2148	.0018	.0046	.0010
#2	.0069	.0010	.0067	.2345	.0017	.0123	.0010
#3	.0103	.0008	.0009	.1310	.0011	-.0016	.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0011	.0013
SDev	.0005	.0002
%RSD	45.07	13.19
#1	.0009	.0013
#2	.0017	.0015
#3	.0008	.0012

Analysis Report Tue 09-12-95 06:00:11 PM page 1

Method: ICP1 Sample Name: 95-007948-N1 @10 Operator: DRS
Run Time: 09/12/95 17:58:51
Comment: QTR SEG 4D @10X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0048	.9648	.0325	.0485	.0147	.0001	.1277
SDev	.0014	.0050	.0124	.0022	.0001	.0001	.0080
%RSD	28.08	.5195	38.25	4.621	.4872	39.72	6.284
#1	.0052	.9596	.0458	.0511	.0146	.0001	.1241
#2	.0059	.9695	.0306	.0471	.0147	.0002	.1368
#3	.0033	.9655	.0211	.0474	.0147	.0001	.1220

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.329	.0027	.0263	.0075	.0140	.0145	.0049
SDev	.007	.0015	.0061	.0013	.0005	.0011	.0012
%RSD	.5266	55.67	23.07	17.48	3.377	7.349	25.07
#1	1.321	.0013	.0308	.0084	.0140	.0137	.0057
#2	1.330	.0026	.0287	.0081	.0135	.0157	.0056
#3	1.335	.0043	.0194	.0060	.0145	.0142	.0035

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	5.075	1.211	.0134	.0074	.1824	.0601
SDev	.0003	.045	.248	.0014	.0011	.0073	.0002
%RSD	17.85	.8966	20.51	10.82	14.71	3.989	.2779
#1	.0022	5.028	1.435	.0139	.0066	.1823	.0599
#2	.0021	5.078	1.255	.0144	.0086	.1897	.0602
#3	.0015	5.118	.9439	.0117	.0070	.1752	.0602

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0058	1088.	.0428	.8640	.2167	.3626	.0503
SDev	.0004	13.	.0072	.0025	.0062	.0024	.0244
%RSD	7.160	1.234	16.82	.2842	2.875	.6609	48.57
#1	.0059	1077.	.0482	.8612	.2174	.3630	.0736
#2	.0054	1085.	.0455	.8649	.2101	.3648	.0522
#3	.0062	1103.	.0346	.8659	.2225	.3601	.0249

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0391	.0249	.0266	.2050	.0819	.1801	.0260
SDev	.0056	.0009	.0137	.0023	.0279	.0021	.0067
%RSD	14.34	3.795	51.60	1.121	34.14	1.136	25.98
#1	.0444	.0253	.0352	.2074	.1101	.1781	.0243
#2	.0396	.0255	.0108	.2046	.0813	.1799	.0334
#3	.0332	.0238	.0339	.2029	.0542	.1822	.0203

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0900	.0063	.0156	6.552	.0049	.0177	.0042
SDev	.0028	.0008	.0083	.060	.0007	.0032	.0005

Analysis Report QC Standard Tue 09-12-95 06:30:43 PM page 2

Range	1.800	2.950		12.00		2.500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0202	-.0072	Q.0074	-.0005	-.0543	Q.2807	-.0123
SDev	.0096	.0050	.0108	.0053	.0192	.0019	.0011
%RSD	47.77	68.84	145.1	1151.	35.35	.6595	9.017
#1	-.0282	-.0081	Q.0157	-.0046	-.0761	Q.2823	-.0130
#2	-.0228	-.0117	Q-.0048	-.0023	-.0467	Q.2811	-.0129
#3	-.0095	-.0019	Q.0114	.0055	-.0401	Q.2787	-.0110
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value			.0127			.2636	
Range			5.500			1.000	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0062	.0074	.0100	.0074	Q.0270	-.0009	-.0023
SDev	.0052	.0003	.0040	.1002	.0005	.0091	.0003
%RSD	83.61	4.629	40.60	1347.	1.941	980.8	13.43
#1	-.0114	.0073	.0055	-.0396	Q.0269	-.0101	-.0024
#2	-.0063	.0072	Q.0134	-.0606	Q.0265	-.0008	-.0024
#3	-.0010	.0078	.0110	.1225	Q.0276	.0081	-.0019
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK	NOCHECK
Value			.0079		.0314		
Range			63.30		8.900		

Elem	Zn	Zr
Units	ppm	ppm
Avge	Q.0862	-.0026
SDev	.0019	.0002
%RSD	2.243	6.967
#1	Q.0851	-.0024
#2	Q.0885	-.0028
#3	Q.0852	-.0025
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Tue 09-12-95 06:34:24 PM page

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/12/95 18:33:05
Comment: SOIL STD @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	1.881	2.012	1.900	1.026	.9633	1.928
SDev	.0013	.015	.019	.023	.013	.0098	.023
%RSD	1477.	.8071	.9492	1.215	1.276	1.013	1.217
#1	.0015	1.863	1.999	1.876	1.012	.9535	1.913
#2	-.0003	1.886	2.003	1.903	1.028	.9635	1.916
#3	-.0010	1.892	2.034	1.922	1.038	.9730	1.955

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.899	.9696	.0012	1.037	.5174	2.073	.0002
SDev	.011	.0041	.0108	.007	.0006	.029	.0007
%RSD	.5970	.4198	907.2	.6589	.1201	1.412	405.1
#1	1.889	.9651	.0125	1.032	.5181	2.040	.0008
#2	1.895	.9728	.0001	1.034	.5171	2.083	.0003
#3	1.911	.9710	-.0090	1.045	.5169	2.096	-.0006

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	2.017	5.205	.0010	1.954	2.122	1.004
SDev	.0002	.018	.200	.0017	.028	.021	.008
%RSD	77.13	.9100	3.843	172.2	1.430	.9781	.8319
#1	.0005	1.998	5.380	.0029	1.922	2.105	.9948
#2	.0002	2.019	5.249	-.0004	1.975	2.116	1.005
#3	.0001	2.035	4.987	.0005	1.966	2.145	1.011

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.006	8.714	.0026	2.095	4.744	2.066	-.0038
SDev	.014	.106	.0079	.017	.059	.008	.0150
%RSD	.7095	1.215	310.1	.8289	1.248	.3796	391.0
#1	1.992	8.594	.0112	2.079	4.677	2.063	.0125
#2	2.005	8.796	.0008	2.093	4.766	2.060	-.0070
#3	2.020	8.752	-.0044	2.113	4.789	2.075	-.0170

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0087	1.959	4.936	-.0140	2.141	-.0215
SDev	.0077	.0123	.036	.046	.0443	.026	.0053
%RSD	1975.	141.0	1.857	.9235	315.4	1.212	24.71
#1	.0078	-.0025	1.922	4.885	.0366	2.115	-.0174
#2	-.0015	-.0008	1.962	4.951	-.0332	2.143	-.0196
#3	-.0075	-.0229	1.994	4.972	-.0455	2.166	-.0275

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	.0007	1.928	.0254	.9684	-.0029	-.0000
SDev	.0072	.0003	.010	.0876	.0083	.0061	.0001

%RSD	142.8	40.06	.5135	344.2	.8581	213.2	548.3
#1	.0132	.0010	1.919	.1074	.9598	-.0098	.0000
#2	.0002	.0006	1.927	.0358	.9689	.0013	.0001
#3	.0016	.0005	1.938	-.0669	.9764	-.0001	-.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.035	-.0012
SDev	.009	.0006
%RSD	.9001	49.13
#1	1.028	-.0006
#2	1.032	-.0013
#3	1.046	-.0017

Analysis Report Tue 09-12-95 06:37:25 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/12/95 18:36:05
Comment: SOIL STD @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	-.0002	.0028	-.0038	.0000	.0001	-.0022
SDev	.0002	.0035	.0043	.0010	.0001	.0000	.0095
%RSD	25.59	1603.	153.5	26.54	169.1	2.276	431.5
#1	-.0010	.0038	.0037	-.0033	.0001	.0001	.0014
#2	-.0010	-.0027	-.0019	-.0031	.0000	.0001	.0050
#3	-.0006	-.0018	.0065	-.0049	.0000	.0001	-.0130

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0049	.0003	-.0034	.0002	-.0018	.0004	.0001
SDev	.0006	.0014	.0016	.0006	.0017	.0009	.0003
%RSD	11.40	507.9	46.64	251.5	90.54	204.8	227.0
#1	-.0055	-.0012	-.0021	.0005	-.0020	.0002	-.0001
#2	-.0043	.0017	-.0052	-.0004	-.0034	.0014	.0004
#3	-.0050	.0004	-.0029	.0006	-.0001	-.0003	.0000

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0008	-.0764	-.0002	.0005	-.0018	.0003
SDev	.0002	.0001	.0526	.0010	.0010	.0023	.0001
%RSD	138.2	17.84	68.89	522.0	228.4	129.2	52.09
#1	-.0002	-.0009	-.1364	-.0009	.0014	-.0036	.0001
#2	.0001	-.0006	-.0382	.0010	-.0007	-.0025	.0004
#3	-.0003	-.0009	-.0546	-.0006	.0007	.0008	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	-.1720	-.0042	-.0015	-.0030	-.0005	-.0179
SDev	.0015	.0025	.0027	.0027	.0036	.0035	.0035
%RSD	68.63	1.460	64.51	178.4	121.6	721.6	19.31
#1	.0005	-.1734	-.0071	-.0038	.0010	.0005	-.0216
#2	.0033	-.1691	-.0019	-.0022	-.0037	.0025	-.0175
#3	.0028	-.1735	-.0034	.0015	-.0062	-.0044	-.0147

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0027	-.0077	-.0050	-.0207	-.0079	.0007	-.0089
SDev	.0011	.0029	.0100	.0014	.0260	.0001	.0044
%RSD	39.42	37.76	200.0	6.827	328.6	9.965	49.25
#1	-.0040	-.0106	-.0049	-.0222	-.0377	.0006	-.0116
#2	-.0022	-.0077	.0049	-.0194	.0099	.0007	-.0039
#3	-.0021	-.0048	-.0151	-.0206	.0041	.0006	-.0114

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.0001	-.0081	-.0592	-.0003	-.0030	-.0002
SDev	.0041	.0002	.0065	.0174	.0001	.0078	.0002

Analysis Report

Tue 09-12-95 06:37:25 PM

%RSD	114.7	220.2	80.08	29.37	17.27	263.4	98.80
#1	-.0010	.0001	-.0150	-.0793	-.0004	-.0102	-.0004
#2	.0070	-.0001	-.0020	-.0500	-.0003	-.0040	-.0001
#3	.0046	.0003	-.0075	-.0484	-.0003	.0053	-.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0010	-.0014
SDev	.0006	.0002
%RSD	58.18	17.03
#1	-.0003	-.0013
#2	-.0014	-.0013
#3	-.0012	-.0017

Analysis Report Tue 09-12-95 06:00:11 PM page

%RSD	3.131	11.89	52.87	.9162	14.02	18.06	11.60
#1	.0868	.0066	.0213	6.595	.0053	.0145	.0043
#2	.0920	.0068	.0195	6.483	.0054	.0209	.0047
#3	.0912	.0054	.0061	6.577	.0041	.0179	.0037

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0345	.8404
SDev	.0001	.0080
%RSD	.2543	.9468
#1	.0346	.8314
#2	.0344	.8435
#3	.0344	.8464

Analysis Report Tue 09-12-95 06:04:03 PM page 1

Method: ICP1 Sample Name: 95-007948-N1 @2 Operator: DRS
Run Time: 09/12/95 18:02:44
Comment: QTR SEG 4D @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0076	4.496	.0634	.2188	.0631	.0005	.5919
SDev	.0011	.056	.0053	.0049	.0006	.0000	.0009
%RSD	14.17	1.251	8.309	2.254	.9981	2.610	.1602
#1	.0079	4.481	.0585	.2138	.0627	.0005	.5919
#2	.0084	4.448	.0689	.2190	.0627	.0005	.5909
#3	.0063	4.558	.0627	.2237	.0638	.0005	.5928

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.306	.0069	.0600	.0202	.0601	.0575	.0060
SDev	.053	.0013	.0109	.0005	.0024	.0006	.0014
%RSD	.8401	18.43	18.17	2.421	4.018	.9905	23.02
#1	6.287	.0082	.0674	.0199	.0604	.0571	.0065
#2	6.265	.0066	.0651	.0207	.0576	.0573	.0071
#3	6.366	.0058	.0475	.0199	.0624	.0582	.0045

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	23.11	2.630	.0357	.0173	.7562	.2743
SDev	.0001	.23	.205	.0012	.0011	.0018	.0018
%RSD	2.670	.9858	7.799	3.371	6.316	.2381	.6474
#1	.0048	23.03	2.646	.0350	.0165	.7578	.2738
#2	.0047	22.94	2.826	.0370	.0185	.7543	.2729
#3	.0046	23.37	2.417	.0350	.0168	.7567	.2763

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0154	4041.	.1095	3.968	.7910	1.572	-.0275
SDev	.0003	43.	.0069	.045	.0256	.006	.0208
%RSD	2.304	1.074	6.297	1.130	3.231	.3529	75.85
#1	.0151	4038.	.1121	3.988	.7931	1.568	-.0281
#2	.0158	3999.	.1148	3.917	.7644	1.570	-.0063
#3	.0153	4086.	.1017	4.000	.8154	1.579	-.0480

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0555	.0310	.0789	.9824	-.0165	.8079	.0630
SDev	.0078	.0024	.0158	.0050	.0192	.0100	.0054
%RSD	13.99	7.772	20.08	.5079	116.2	1.243	8.544
#1	.0572	.0290	.0843	.9775	-.0064	.8041	.0645
#2	.0623	.0337	.0913	.9821	-.0044	.8004	.0675
#3	.0471	.0303	.0611	.9875	-.0386	.8193	.0570

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4141	.0223	.0435	27.89	.0114	.0407	.0137
SDev	.0038	.0004	.0047	.18	.0014	.0047	.0006

%RSD	.9276	1.678	10.77	.6493	11.80	11.54	4.636
#1	.4150	.0227	.0442	27.82	.0124	.0397	.0140
#2	.4100	.0223	.0477	27.76	.0119	.0366	.0141
#3	.4175	.0219	.0385	28.10	.0099	.0458	.0129

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1667	3.441
SDev	.0015	.044
%RSD	.8809	1.274
#1	.1682	3.420
#2	.1653	3.412
#3	.1667	3.492

Analysis Report Tue 09-12-95 06:09:52 PM page 1

Method: ICP1 Sample Name: SRM-2709-N @10X DIL Operator: DRS
Run Time: 09/12/95 18:08:32
Comment: SOIL STD @10X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	10.53	.0495	.0362	.1388	.0011	.0288
SDev	.0009	.04	.0051	.0024	.0007	.0000	.0064
%RSD	41.57	.3779	10.24	6.520	.5297	.5956	22.27
#1	.0016	10.57	.0551	.0380	.1395	.0011	.0218
#2	.0017	10.54	.0453	.0335	.1388	.0011	.0301
#3	.0032	10.49	.0479	.0371	.1380	.0011	.0345

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.228	.0032	-.0228	.0116	.0369	.0139	.0101
SDev	.007	.0018	.0092	.0012	.0007	.0008	.0009
%RSD	.2215	57.52	40.36	10.00	1.920	5.993	8.861
#1	3.236	.0024	-.0311	.0105	.0377	.0133	.0099
#2	3.224	.0019	-.0245	.0116	.0364	.0136	.0093
#3	3.224	.0053	-.0129	.0128	.0366	.0149	.0110

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	5.352	4.158	.0182	.0158	2.425	.0839
SDev	.0002	.019	.157	.0012	.0005	.017	.0008
%RSD	7.122	.3514	3.783	6.599	3.278	.6868	.9550
#1	.0032	5.371	3.989	.0170	.0163	2.443	.0848
#2	.0033	5.352	4.185	.0182	.0153	2.421	.0836
#3	.0036	5.333	4.300	.0194	.0156	2.410	.0832

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0095	1111.	.0597	.0861	.1437	.2768	.1200
SDev	.0001	6.	.0052	.0030	.0155	.0007	.0156
%RSD	.9357	.5791	8.717	3.525	10.81	.2473	12.97
#1	.0094	1117.	.0538	.0826	.1486	.2760	.1031
#2	.0095	1111.	.0620	.0878	.1263	.2771	.1231
#3	.0096	1104.	.0634	.0878	.1563	.2773	.1338

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0669	.0292	.0545	43.13	.1486	.0434	.0370
SDev	.0059	.0119	.0059	.17	.0086	.0001	.0022
%RSD	8.768	40.85	10.89	.3940	5.824	.2789	5.846
#1	.0618	.0301	.0605	43.31	.1402	.0435	.0374
#2	.0655	.0168	.0486	43.11	.1481	.0434	.0390
#3	.0733	.0406	.0544	42.97	.1575	.0433	.0347

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0463	.4978	.0512	.6999	.0234	.0318	.0062
SDev	.0052	.0025	.0048	.0477	.0005	.0111	.0004

%RSD	11.24	.4937	9.296	6.810	2.219	34.99	7.321
#1	.0523	.5006	.0458	.6471	.0228	.0190	.0058
#2	.0440	.4970	.0548	.7130	.0234	.0375	.0061
#3	.0427	.4959	.0530	.7397	.0239	.0389	.0067

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0199	5.470
SDev	.0003	.023
%RSD	1.237	.4281
#1	.0198	5.490
#2	.0197	5.475
#3	.0201	5.444

Analysis Report Tue 09-12-95 06:13:46 PM page 1

Method: ICP1 Sample Name: SRM-2709-N @2 Operator: DRS
Run Time: 09/12/95 18:12:26
Comment: SOIL STD @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0168	50.30	.1433	.1672	.6347	.0046	.0719
SDev	.0018	.78	.0081	.0025	.0098	.0000	.0037
%RSD	10.59	1.549	5.641	1.503	1.549	.4049	5.087
#1	-.0152	49.72	.1519	.1648	.6271	.0046	.0702
#2	-.0187	51.19	.1359	.1698	.6458	.0046	.0695
#3	-.0165	50.00	.1420	.1670	.6313	.0046	.0761

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.22	.0069	-.3170	.0259	.1595	.0478	.0174
SDev	.14	.0008	.0142	.0012	.0007	.0008	.0012
%RSD	.9118	11.30	4.491	4.783	.4407	1.634	6.934
#1	15.12	.0074	-.3083	.0253	.1603	.0477	.0179
#2	15.37	.0072	-.3334	.0250	.1589	.0471	.0161
#3	15.16	.0060	-.3091	.0273	.1593	.0487	.0184

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0077	24.52	13.99	.0378	.0441	10.96	.3863
SDev	.0004	.28	.09	.0023	.0017	.11	.0044
%RSD	5.081	1.123	.6191	6.051	3.848	.9776	1.152
#1	.0080	24.31	14.06	.0397	.0453	10.88	.3828
#2	.0072	24.83	13.89	.0353	.0422	11.08	.3913
#3	.0078	24.41	14.02	.0385	.0449	10.91	.3848

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0241	4174.	.0978	.3668	.5249	1.098	.0761
SDev	.0018	77.	.0078	.0039	.0199	.002	.0255
%RSD	7.253	1.850	7.987	1.053	3.801	.1541	33.56
#1	.0254	4110.	.1024	.3702	.5454	1.096	.0915
#2	.0221	4260.	.0888	.3676	.5236	1.098	.0466
#3	.0248	4152.	.1023	.3626	.5056	1.099	.0901

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0683	.1020	.1212	207.1	.0547	.1968	.0675
SDev	.0109	.0100	.0109	2.5	.0231	.0031	.0060
%RSD	15.97	9.782	8.977	1.203	42.10	1.562	8.835
#1	.0758	.0958	.1275	205.3	.0743	.1946	.0736
#2	.0558	.0967	.1087	210.0	.0293	.2003	.0618
#3	.0735	.1135	.1275	206.1	.0607	.1955	.0670

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1935	2.294	.2099	.3316	.0851	.0659	.0177
SDev	.0004	.030	.0019	.1317	.0003	.0115	.0004

Analysis Report Tue 09-12-95 06:13:46 PM page

%RSD	.2268	1.324	.9128	39.72	.3131	17.45	2.129
#1	.1940	2.273	.2092	.4324	.0848	.0791	.0179
#2	.1934	2.329	.2121	.1826	.0854	.0580	.0173
#3	.1932	2.280	.2085	.3798	.0852	.0605	.0179

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0953	25.60
SDev	.0009	.36
%RSD	.9671	1.421
#1	.0955	25.34
#2	.0943	26.01
#3	.0961	25.44

Analysis Report QC Standard Tue 09-12-95 06:18:20 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/12/95 18:17:01
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 9/17

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4751	23.91	2.523	1.915	.5116	.0920	23.96
SDev	.0015	.02	.009	.003	.0014	.0004	.05
%RSD	.3231	.1044	.3386	.1344	.2718	.4135	.2183
#1	.4758	23.93	2.533	1.916	.5132	.0925	24.00
#2	.4761	23.88	2.518	1.917	.5107	.0919	23.97
#3	.4733	23.92	2.519	1.912	.5110	.0917	23.90
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	23.95	.4708	-.0429	1.008	1.006	1.004	-.0012
SDev	.06	.0017	.0094	.003	.002	.004	.0005
%RSD	.2544	.3525	22.00	.2735	.2285	.3514	37.77
#1	24.01	.4698	-.0483	1.011	1.004	1.008	-.0016
#2	23.95	.4727	-.0483	1.008	1.009	1.001	-.0013
#3	23.89	.4699	-.0320	1.005	1.006	1.003	-.0007
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	20.09	24.85	.0040	1.861	26.15	.4947
SDev	.0002	.06	.63	.0011	.018	.04	.0014
%RSD	11.71	.3218	2.554	28.24	.9507	.1705	.2827
#1	.0013	20.16	24.40	.0028	1.848	26.20	.4962
#2	.0016	20.07	24.58	.0040	1.854	26.13	.4945
#3	.0016	20.03	25.58	.0051	1.881	26.13	.4934
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.016	26.19	.0019	1.037	.0458	2.534	-.0450
SDev	.006	.36	.0021	.002	.0161	.004	.0010
%RSD	.5699	1.372	113.2	.2064	35.12	.1654	2.229
#1	1.012	25.93	-.0002	1.040	.0561	2.537	-.0456
#2	1.023	26.04	.0041	1.036	.0539	2.537	-.0456
#3	1.014	26.60	.0018	1.036	.0272	2.530	-.0439
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Tue 09-12-95 06:18:20 PM page 2

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0117	2.486	2.420	18.17	-.2425	.5344	-.0116
SDev	.0035	.019	.013	.04	.0132	.0014	.0022
%RSD	30.03	.7468	.5546	.2219	5.465	.2589	18.96
#1	-.0155	2.473	2.436	18.22	-.2573	.5360	-.0140
#2	-.0085	2.507	2.413	18.15	-.2318	.5337	-.0113
#3	-.0112	2.478	2.411	18.14	-.2384	.5336	-.0096
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0404	.9933	2.416	-.0325	.9805	.0241	-.0003
SDev	.0031	.0030	.009	.0519	.0029	.0038	.0005
%RSD	7.597	.3059	.3716	159.7	.2902	15.72	163.0
#1	.0395	.9967	2.416	-.0899	.9836	.0237	.0002
#2	.0438	.9919	2.424	.0112	.9800	.0281	-.0004
#3	.0378	.9911	2.406	-.0189	.9780	.0206	-.0007
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	.9952	2.031
SDev	.0029	.009
%RSD	.2967	.4232
#1	.9920	2.040
#2	.9978	2.028
#3	.9957	2.023
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

WHC-SD-WM-DP-145, REV. 1

Analysis Report Tue 09-12-95 06:22:08 PM page 1

Method: ICP1 Sample Name: SST-ICS-1 ~~95-911101~~ 950908 I101 Operator: DRS
Run Time: 09/12/95 18:20:49
Comment: SOIL STD @2X DIL SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0050	89.95	.1776	-.0003	.0010	.0007	.0596
SDev	.0016	1.01	.0030	.0021	.0003	.0001	.0050
%RSD	32.73	1.120	1.696	630.4	31.50	8.677	8.444
#1	-.0038	89.65	.1797	.0021	.0010	.0007	.0601
#2	-.0044	89.12	.1742	-.0016	.0013	.0008	.0644
#3	-.0069	91.07	.1789	-.0015	.0007	.0007	.0544

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0481	.0099	-.1214	.0111	.0417	-.0105	.0025
SDev	.0019	.0009	.0117	.0010	.0009	.0019	.0015
%RSD	3.949	8.798	9.631	9.024	2.202	18.09	60.83
#1	.0492	.0098	-.1170	.0115	.0418	-.0095	.0027
#2	.0492	.0108	-.1125	.0118	.0407	-.0092	.0040
#3	.0459	.0090	-.1346	.0099	.0425	-.0126	.0009

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	18.27	.7693	.0120	.0129	.3162	.0021
SDev	.0005	.13	.1840	.0022	.0009	.0077	.0004
%RSD	22.98	.7203	23.91	18.23	6.954	2.444	17.37
#1	.0022	18.21	.8130	.0113	.0135	.3248	.0019
#2	.0025	18.17	.9276	.0145	.0132	.3097	.0025
#3	.0016	18.42	.5675	.0102	.0118	.3141	.0019

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0157	3700.	.0152	47.56	.1086	.2409	-.3014
SDev	.0006	38.	.0084	.26	.0153	.0093	.0229
%RSD	4.161	1.025	55.52	.5381	14.08	3.867	7.596
#1	.0164	3693.	.0140	47.43	.0957	.2411	-.3000
#2	.0152	3666.	.0242	47.39	.1045	.2501	-.2792
#3	.0154	3741.	.0074	47.85	.1255	.2315	-.3249

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0188	.0340	.0627	.0130	-.0929	.0008	.0273
SDev	.0091	.0080	.0125	.0052	.0363	.0001	.0123
%RSD	48.32	23.62	19.98	40.40	39.10	12.30	45.02
#1	.0211	.0378	.0679	.0122	-.0974	.0009	.0282
#2	.0266	.0394	.0717	.0185	-.0546	.0009	.0392
#3	.0088	.0247	.0484	.0081	-.1268	.0007	.0146

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6821	.0040	.2147	45.95	.0063	.0619	.0057
SDev	.0065	.0008	.0016	.45	.0013	.0083	.0007

%RSD	.9560	19.74	.7257	.9752	21.05	13.41	11.99
#1	.6863	.0045	.2132	45.76	.0065	.0537	.0057
#2	.6854	.0046	.2163	45.63	.0075	.0616	.0064
#3	.6746	.0031	.2147	46.47	.0049	.0703	.0050

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0323	9.522
SDev	.0014	.081
%RSD	4.389	.8549
#1	-.0307	9.501
#2	-.0328	9.454
#3	-.0334	9.612

Analysis Report QC Standard Tue 09-12-95 06:26:42 PM page 1

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/12/95 18:25:22
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	-.1825	-.0002	-.0041	.0005	.0003	-.0065
SDev	.0013	.0090	.0075	.0011	.0002	.0001	.0062
%RSD	90.44	4.942	4323.	27.48	35.96	18.91	95.54
#1	.0001	-.1920	-.0088	-.0045	.0004	.0002	-.0137
#2	.0014	-.1816	.0034	-.0028	.0005	.0003	-.0022
#3	.0027	-.1740	.0049	-.0049	.0007	.0003	-.0037
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	.0009	2.003	.0038	.0012	-.0067	2.014
SDev	.0015	.0008	.004	.0009	.0006	.0020	.018
%RSD	13.47	91.93	.2204	22.39	48.40	29.02	.8876
#1	.0101	.0000	2.007	.0030	.0007	-.0090	2.031
#2	.0108	.0010	2.003	.0038	.0018	-.0057	2.016
#3	.0130	.0016	1.998	.0047	.0011	-.0056	1.995
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.995	.0059	.2728	1.991	.0019	.0916	.0007
SDev	.017	.0008	.2051	.011	.0016	.0043	.0002
%RSD	.8303	13.95	75.18	.5673	83.82	4.657	26.54
#1	2.010	.0056	.0600	2.002	.0007	.0870	.0005
#2	1.996	.0053	.2892	1.991	.0013	.0925	.0008
#3	1.977	.0069	.4692	1.979	.0037	.0954	.0008
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0420	2.001	.0064	.0018	.0563	Q2.261
SDev	.0010	.0318	.011	.0004	.0024	.0115	.016
%RSD	134.8	75.87	.5437	5.691	135.8	20.42	.7044
#1	-.0000	.0214	2.012	.0061	-.0006	.0443	Q2.254
#2	.0004	.0259	1.998	.0068	.0017	.0572	Q2.279
#3	.0019	.0786	1.991	.0062	.0042	.0673	Q2.250
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail
Value			2.000				2.000

Analysis Report QC Standard Tue 09-12-95 06:26:42 PM page

Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.048	.0003	.0155	.0393	Q1.753	.0007	1.800
SDev	.001	.0060	.0013	.0049	.040	.0001	.008
%RSD	.0679	2311.	8.164	12.37	2.257	17.66	.4518
#1	2.049	-.0043	.0162	.0379	Q1.712	.0006	1.807
#2	2.048	.0070	.0162	.0352	Q1.756	.0007	1.802
#3	2.047	-.0019	.0140	.0447	Q1.791	.0008	Q1.792
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Pass
Value	2.000				2.000		2.000
Range	10.00				10.00		10.00

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.032	.0010	-.0053	Q8.692	-.0011	Q.5127	.9710
SDev	.030	.0007	.0004	.068	.0012	.0072	.0070
%RSD	.6017	67.13	7.470	.7861	103.6	1.398	.7194
#1	5.066	.0002	-.0058	Q8.720	-.0023	Q.5205	.9771
#2	5.023	.0013	-.0051	Q8.743	-.0011	Q.5064	.9727
#3	5.008	.0014	-.0051	Q8.615	.0000	Q.5112	.9634
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	QC Pass
Value	5.000			10.00		2.000	1.000
Range	10.00			10.00		10.00	10.00

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0011	-.0079
SDev	.0004	.0012
%RSD	33.19	15.19
#1	.0015	-.0090
#2	.0010	-.0066
#3	.0008	-.0081
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Tue 09-12-95 06:30:43 PM page 1

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/12/95 18:29:24
Comment: SLUDGE (Na2O2 FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0014	Q.0963	Q.0879	Q.1081	.0510	.0221	.0045
SDev	.0008	.0003	.0038	.0025	.0004	.0001	.0115
%RSD	56.36	.2656	4.301	2.277	.6988	.3377	256.9
#1	Q-.0021	Q.0960	Q.0867	Q.1106	.0512	.0222	-.0088
#2	Q-.0015	Q.0964	Q.0922	Q.1081	.0512	.0222	.0119
#3	Q-.0006	Q.0965	Q.0849	Q.1057	.0506	.0220	.0103
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	NOCHECK
Value	.0022	.1146	.0821	.1190	.0496	.0232	
Range	13.60	4.500	1.500	1.200	6.250	9.500	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q35.00	Q.0100	-.0180	.0227	Q.0197	Q.0192	-.0023
SDev	.07	.0002	.0072	.0009	.0017	.0007	.0009
%RSD	.2052	2.276	40.19	3.777	8.577	3.852	39.24
#1	Q35.09	Q.0099	-.0232	.0228	Q.0212	.0196	-.0029
#2	Q34.97	Q.0098	-.0211	Q.0219	Q.0179	Q.0183	-.0028
#3	Q34.96	Q.0102	-.0097	.0236	Q.0201	.0196	-.0013
Errors	QC Fail	QC Fail	NOCHECK	QC Pass	QC Fail	QC Fail	NOCHECK
Value	36.80	.0122		.0235	.0190	.0223	
Range	3.800	8.200		3.400	3.200	12.60	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	Q.1196	Q1.888	.0042	Q.0111	Q10.09	.0349
SDev	.0003	.0006	.115	.0016	.0005	.06	.0002
%RSD	60.51	.5282	6.090	39.04	4.560	.6188	.6443
#1	.0003	Q.1193	Q1.779	.0026	Q.0116	Q10.14	.0346
#2	.0003	Q.1204	Q1.877	.0041	Q.0110	Q10.11	.0351
#3	.0007	Q.1193	Q2.008	.0059	Q.0106	Q10.02	.0350
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Pass
Value		.1069	2.300		.0165	9.450	.0351
Range		2.800	10.00		6.100	2.850	6.300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1052	Q12.77	-.0042	.0570	.0201	Q.0275	-.0492
SDev	.0006	.26	.0042	.0007	.0102	.0048	.0112
%RSD	.6033	2.009	98.48	1.303	50.47	17.48	22.84
#1	.1048	Q12.92	-.0077	.0575	.0144	Q.0298	-.0532
#2	.1048	Q12.92	-.0055	.0561	.0142	Q.0220	-.0578
#3	.1059	12.47	.0004	.0574	.0319	Q.0307	-.0365
Errors	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK
Value	.1043	12.19		.0606		.0353	

THIS PAGE INTENTIONALLY
LEFT BLANK.

WHC-SD-WM-DP-145, REV. 1

KOH AND Na_2O_2 FUSION SPIKE RERUNS

3-825

THIS PAGE INTENTIONALLY
LEFT BLANK.

DATE TO QC: 09/20/95

DATA QUALITY REVIEW

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

Analyte - ICP - KOH & Na2O2 Spike Re-runs

Data Package/Report - BY-108 Core 99

Project No. - 21372

ACL Numbers - 95-07941-N1 95-07941-H1T

PNL ACL Quality Representative

9/22/95
Date

Project: TWRS
Procedure: PNL-AL0-211

ICP ANALYSIS REPORT -- KOH/Ni Fusions
Core '99
Post Spike Reruns (Special)

File: m091995b
Analyzed: 09/19/95

			Seg 1	Seg 1		Blank	Blank Spk	
		Sam Log#:	95-07941-	95-07941-		95-07941-	95-07941-	
		Split#:	H1T-Smp	H1T-Smp-PS		HCB-Smp	HCB-Smp-PS	
		ICP Dil:	5.00	5.00		5.00	5.00	
		Dil Fctr:	4975.1	4975.1		4975.1	4975.1	
		Run Time:	13:46	13:50		13:39	13:43	
Est. IDL ug/mL	Post Spk Conc ug/mL	Analyte	Sample ug/g	Net PSpk ug/mL	Post Spk Recovery	Sample ug/g	Net PSpk ug/mL	Post Spk Recovery
0.015	0.50	Ag	ND	(0.62)	123.0%	ND	(0.60)	120.3%
0.060	75.00	Al	144,823	68.17	90.9%	(1,119)	69.05	92.1%
0.080	2.50	As	ND	(2.83)	113.2%	ND	(2.69)	107.7%
0.020	2.00	B	(442)	1.87	93.7%	(405)	1.84	92.0%
0.010	0.50	Ba	ND	(0.50)	99.7%	ND	(0.47)	94.3%
0.005	0.10	Be	ND	(0.09)	92.1%	ND	(0.09)	89.3%
0.100	25.00	Bi	ND	24.11	96.4%	ND	23.23	92.9%
0.050	50.00	Ca	(749)	48.43	96.9%	(363)	46.80	93.6%
0.015	1.75	Cd	ND	1.74	99.5%	ND	1.73	98.7%
0.100		Ce	ND	ND		ND	ND	
0.010	1.00	Co	(68)	1.00	100.1%	(55)	0.98	98.4%
0.020	8.50	Cr	(139)	8.37	98.4%	ND	8.18	96.3%
0.010	1.00	Cu	ND	0.98	97.9%	ND	0.92	92.3%
0.050		Dy	ND	ND		ND	ND	
0.100		Eu	ND	ND		ND	ND	
0.020	20.00	Fe	1,606	19.61	98.1%	(674)	19.13	95.7%
2.000	125.00	K	n/a	n/a	n/a	n/a	n/a	n/a
0.050		La	ND	ND		ND	ND	
0.030	2.00	Li	ND	1.87	93.3%	ND	1.82	91.1%
0.100	25.00	Mg	(571)	26.81	107.3%	ND	26.53	106.1%
0.005	1.00	Mn	329	0.98	98.1%	(204)	0.96	95.6%
0.030	1.00	Mo	ND	(1.01)	101.1%	ND	(1.01)	101.1%
0.080	106.85	Na	107,789	94.87	88.8%	4,976	95.32	89.2%
0.050		Nd	ND	ND		ND	(0.27)	
0.030	26.00	Ni	n/a	n/a	n/a	n/a	n/a	n/a
0.100		P	24,798	(0.29)		ND	ND	
0.060	27.50	Pb	(448)	28.33	103.0%	(346)	27.68	100.7%
0.300		Pd	ND	ND		ND	ND	
0.300		Rh	ND	ND		ND	ND	
0.050	2.50	Sb	(259)	2.66	106.4%	ND	2.73	109.4%
0.100	2.50	Se	ND	(2.58)	103.1%	ND	(2.57)	102.7%
0.500	70.00	Si	(7,343)	66.81	95.4%	ND	67.10	95.9%
1.000		Sn	ND	ND		ND	ND	
0.005	0.50	Sr	(31)	0.48	95.3%	ND	0.47	94.2%
0.500		Te	ND	ND		ND	ND	
0.800		Th	ND	ND		ND	ND	
0.005	1.00	Ti	390	0.96	95.6%	(246)	0.94	93.7%
0.500	2.50	Tl	ND	(2.93)	117.0%	ND	(2.61)	104.3%
2.000	100.00	U	ND	(91.13)	91.1%	ND	(88.99)	89.0%
0.010	1.00	V	(69)	0.95	95.2%	ND	0.96	96.1%
0.500		W	ND	ND		ND	ND	
0.010		Y	ND	ND		ND	ND	
0.020	1.00	Zn	(109)	1.00	100.2%	ND	1.03	103.2%
0.010	4.50	Zr	(185)	4.31	95.8%	(150)	4.18	92.8%

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

7) Data, including calibration/QC, archived File ICP-325-405-1/95D262a

Analyzed Date: 09/19/95
Project: TWRS
Procedure: PNL-ALO-211
ICP Data Name: 95D262a

File: m091995b
Reported: 09/20/95
Data Page 1 of 2

Sample Log#		95-07941-H1T-Smp	95-07941-H1T-Smp-PS	95-07941-HCB-Smp	95-07941-HCB-Smp-PS
Prep Type		Fusion	Fusion	Fusion	Fusion
Sample Wt-g		0.1005	0.1005	0.1005	0.1005
Makeup Vol-mL		100.0	100.0	100.0	100.0
Dil: Smpl-mL					
Dil: Vol-mL					
Prep Factor		995.02	995.02	995.02	995.02
Spike ID		>>>> 1:1	950830H901 &	MVCA 950728I901	<<<<
Spike PreDil'n			1.0		1.0
ICP Dilution		5.00	5.00	5.00	5.00
Dil Fctr		4975.1	4975.1	4975.1	4975.1
Run Time		13:46	13:50	13:39	13:43
ug/g	Ag	41.4	612.0	42.4	598.5
	Al	144822.8	212654.3	1119.4	69826.0
	As	178.2	2814.8	184.5	2679.7
	B	442.1	2306.1	405.0	2236.8
	Ba	28.6	496.0	13.9	468.9
	Be	1.0	91.7	0.6	88.9
	Bi	414.6	23986.7	163.7	23114.9
	Ca	748.7	48933.3	362.9	46928.1
	Cd	25.0	1732.9	21.7	1719.5
	Ce	206.2	242.8	210.0	283.4
	Co	67.8	1063.4	54.9	1034.3
	Cr	138.6	8464.8	47.0	8143.0
	Cu	15.9	973.8	-24.5	918.5
	Dy	35.3	28.5	28.7	27.3
	Eu	8.9	13.2	8.5	15.2
	Fe	1606.2	21123.0	673.7	19713.3
	K	10924029.8	10790500.6	10881220.1	10754794.1
	La	62.3	107.4	62.7	115.3
	Li	120.6	1857.6	131.8	1813.7
	Mg	571.0	27250.5	254.5	26397.5
	Mn	328.8	1304.8	203.5	1154.8
	Mo	28.0	1005.8	37.6	1006.1
	Na	107789.2	202191.7	4975.7	99821.4
	Nd	194.3	246.9	181.6	265.3
	Ni	105603.8	129058.3	23908.0	48862.8
	P	24797.7	24510.6	225.4	423.7
	Pb	448.2	28640.3	346.4	27892.0
	Pd	690.6	575.2	615.0	657.4
	Rh	336.6	453.4	350.3	484.6
	Sb	259.4	2905.5	190.6	2720.3
	Se	74.1	2565.0	195.3	2554.8
	Si	7343.3	73823.5	2106.2	66764.9
	Sn	1515.8	2910.0	1287.4	2901.6
	Sr	30.8	505.2	7.9	468.6
	Te	209.3	302.5	232.7	300.2
	Th	59.3	1623.3	61.7	1562.0
	Ti	390.2	1341.3	245.8	1178.6
	Tl	447.4	2911.3	154.9	2594.5
	U	2909.7	90678.9	2392.0	88550.5
	V	69.4	1016.9	27.1	956.0
	W	150.5	206.7	135.7	148.5
	Y	10.0	20.0	9.2	22.2
	Zn	108.7	1105.5	48.8	1027.2
ug/g	Zr	184.8	4475.6	149.5	4304.0

Template: TC-NA202

ICP RAW DATA -- IEC Corrected

File: m091995b
Reported: 09/20/95

Raw Data
Data Page 2 of 2

Analyzed: 09/19/95
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: D SANDERS

Reviewer: 9/20/95

Sample ID:		95-07941-	95-07941-	95-07941-	95-07941-
Split ID:		H1T-Smp	H1T-Smp-PS	HCB-Smp	HCB-Smp-PS
Run Time:		13:46	13:50	13:39	13:43
(ug/mL)	Ag	0.0083	0.1230	0.0085	0.1203
	Al	29.1094	42.7435	0.2250	14.0350
	As	0.0358	0.5658	0.0371	0.5386
	B	0.0889	0.4635	0.0814	0.4496
	Ba	0.0058	0.0997	0.0028	0.0942
	Be	0.0002	0.0184	0.0001	0.0179
	Bi	0.0833	4.8213	0.0329	4.6461
	Ca	0.1505	9.8356	0.0730	9.4325
	Cd	0.0050	0.3483	0.0044	0.3456
	Ce	0.0415	0.0488	0.0422	0.0570
	Co	0.0136	0.2137	0.0110	0.2079
	Cr	0.0279	1.7014	0.0095	1.6367
	Cu	0.0032	0.1957	-0.0049	0.1846
	Dy	0.0071	0.0057	0.0058	0.0055
	Eu	0.0018	0.0027	0.0017	0.0031
	Fe	0.3229	4.2457	0.1354	3.9624
	K	2195.7300	2168.8906	2187.1252	2161.7136
	La	0.0125	0.0216	0.0126	0.0232
	Li	0.0243	0.3734	0.0265	0.3645
	Mg	0.1148	5.4774	0.0512	5.3059
	Mn	0.0661	0.2623	0.0409	0.2321
	Mo	0.0056	0.2022	0.0076	0.2022
	Na	21.6656	40.6405	1.0001	20.0641
	Nd	0.0391	0.0496	0.0365	0.0533
	Ni	21.2264	25.9407	4.8055	9.8214
	P	4.9843	4.9266	0.0453	0.0852
	Pb	0.0901	5.7567	0.0696	5.6063
	Pd	0.1388	0.1156	0.1236	0.1321
	Rh	0.0677	0.0911	0.0704	0.0974
	Sb	0.0521	0.5840	0.0383	0.5468
	Se	0.0149	0.5156	0.0393	0.5135
	Si	1.4760	14.8385	0.4233	13.4197
	Sn	0.3047	0.5849	0.2588	0.5832
	Sr	0.0062	0.1015	0.0016	0.0942
	Te	0.0421	0.0608	0.0468	0.0604
	Th	0.0119	0.3263	0.0124	0.3140
	Ti	0.0784	0.2696	0.0494	0.2369
	Tl	0.0899	0.5852	0.0311	0.5215
	U	0.5848	18.2265	0.4808	17.7987
	V	0.0139	0.2044	0.0054	0.1921
	W	0.0303	0.0416	0.0273	0.0298
	Y	0.0020	0.0040	0.0018	0.0045
	Zn	0.0219	0.2222	0.0098	0.2065
(ug/mL)	Zr	0.0372	0.8996	0.0301	0.8651

Project: TWRS
Procedure: PNL-ALO-211

ICP ANALYSIS REPORT -- Na2O2/Zr Fusions

File: m091995a
Analyzed: 09/19/95

Core 99
Post Spike Reruns (Special)

			Seg 1	Seg 1		Blank	Blank Spk	
		Sam Log#:	95-07941-	95-07941-		95-07941-	95-07941-	
		Split#:	N1-Smp	N1-Smp-PS		N3-Blk	N3-Blk-PS	
		ICP Dil:	5.00	5.00		5.00	5.00	
		Dil Fctr:	3779.3	3779.3		3779.3	3779.3	
		Run Time:	14:16	14:20		14:08	14:12	
Est. IDL ug/mL	Post Spk Conc ug/mL	Analyte	Sample ug/g	Net PSpk ug/mL	Post Spk Recovery	Sample ug/g	Net PSpk ug/mL	Post Spk Recovery
0.015	0.50	Ag	ND	(0.61)	121.1%	(64)	(0.58)	115.5%
0.060	75.00	Al	122,327	64.48	86.0%	(321)	71.44	95.3%
0.080	2.50	As	ND	(2.80)	111.8%	ND	(2.81)	112.3%
0.020	2.00	B	836	1.85	92.4%	(516)	1.90	95.1%
0.010	0.50	Ba	ND	(0.48)	96.6%	ND	(0.48)	96.4%
0.005	0.10	Be	ND	(0.09)	90.2%	ND	(0.09)	90.3%
0.100	25.00	Bi	ND	23.74	95.0%	ND	24.30	97.2%
0.050	50.00	Ca	4,222	47.04	94.1%	7,612	43.51	87.0%
0.015	1.75	Cd	ND	1.72	98.0%	ND	1.78	101.5%
0.100		Ce	ND	ND		ND	ND	
0.010	1.00	Co	ND	1.03	102.9%	ND	1.05	105.0%
0.020	8.50	Cr	(150)	8.19	96.3%	ND	8.39	98.6%
0.010	1.00	Cu	(130)	0.96	95.6%	(60)	0.98	97.9%
0.050		Dy	ND	ND		ND	ND	
0.100		Eu	ND	ND		ND	ND	
0.020	20.00	Fe	1,209	19.18	95.9%	(262)	19.53	97.7%
2.000	125.00	K	ND	122.60	98.1%	ND	125.64	100.5%
0.050		La	ND	ND		ND	ND	
0.030	2.00	Li	ND	1.79	89.3%	ND	1.77	88.7%
0.100	25.00	Mg	ND	26.85	107.4%	ND	27.31	109.2%
0.005	1.00	Mn	(30)	0.96	96.2%	ND	0.99	99.2%
0.030	1.00	Mo	ND	(1.00)	100.1%	ND	(1.01)	101.0%
0.080	106.85	Na	n/a	n/a	n/a	n/a	n/a	n/a
0.050		Nd	ND	(0.30)		(208)	(0.07)	
0.030	26.00	Ni	(575)	25.60	98.5%	(410)	25.97	99.9%
0.100		P	4,074	0.11		ND	ND	
0.060	27.50	Pb	(273)	28.01	101.8%	ND	28.78	104.7%
0.300		Pd	ND	ND		ND	ND	
0.300		Rh	ND	ND		ND	ND	
0.050	2.50	Sb	ND	2.79	111.6%	ND	2.78	111.4%
0.100	2.50	Se	ND	(2.50)	99.9%	ND	(2.62)	105.0%
0.500	70.00	Si	(3,046)	66.27	94.7%	ND	68.12	97.3%
1.000		Sn	ND	ND		ND	ND	
0.005	0.50	Sr	(69)	0.46	92.7%	(54)	0.47	93.5%
0.500		Te	ND	ND		ND	ND	
0.800		Th	ND	ND		ND	ND	
0.005	1.00	Ti	(53)	0.94	94.3%	ND	0.98	98.2%
0.500	2.50	Tl	ND	(2.88)	115.3%	ND	(2.64)	105.6%
2.000	100.00	U	ND	(88.92)	88.9%	ND	(87.75)	87.8%
0.010	1.00	V	(66)	0.94	93.5%	ND	0.98	98.1%
0.500		W	ND	ND		ND	ND	
0.010		Y	ND	ND		ND	ND	
0.020	1.00	Zn	ND	1.10	110.0%	(89)	0.97	97.1%
0.010	4.50	Zr	n/a	n/a	n/a	n/a	n/a	n/a

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

7) Data, including calibration/QC, archived File ICP-325-405-1/95D262a

Analyzed Date: 09/19/95
Project: TWRS
Procedure: PNL-ALO-211
ICP Data Name: 95D262a

File: m091995a
Reported: 09/20/95
Data Page 1 of 2

Sample Log#		95-07941-N1-Smp	95-07941-N1-Smp-PS	95-07941-N3-Blk	95-07941-N3-Blk-PS
Prep Type		Fusion	Fusion	Fusion	Fusion
Sample Wt-g		0.1323	0.1323	0.1323	0.1323
Makeup Vol-mL		100.0	100.0	100.0	100.0
Dil: Smpl-mL					
Dil: Vol-mL					
Prep Factor		755.86	755.86	755.86	755.86
Spike ID		>>>> 1:1 950830H901 & MVCA 950728I901 <<<<			
Spike PreDil'n			1.0		1.0
ICP Dilution		5.00	5.00	5.00	5.00
Dil Fctr		3779.3	3779.3	3779.3	3779.3
Run Time		14:16	14:20	14:08	14:12
ug/g	Ag	30.4	457.8	64.0	500.5
	Al	122326.9	171067.7	320.8	54318.8
	As	80.7	2113.1	70.4	2122.8
	B	836.4	2233.1	515.8	1953.7
	Ba	18.6	365.0	13.6	364.4
	Be	0.6	68.2	0.3	68.3
	Bi	105.0	17943.4	135.2	18370.6
	Ca	4222.3	39780.7	7612.4	40503.3
	Cd	5.6	1296.6	1.4	1342.3
	Ce	189.3	247.2	-353.3	-251.9
	Co	32.2	778.2	30.7	793.5
	Cr	149.7	6337.7	41.7	6337.9
	Cu	130.1	852.8	59.6	799.6
	Dy	23.8	24.0	36.4	33.4
	Eu	8.1	12.6	13.1	17.2
	Fe	1209.5	15708.5	261.8	15024.8
	K	5693.1	92669.9	6587.3	94965.1
	La	53.2	93.3	62.5	95.6
	Li	68.2	1350.5	36.4	1341.5
	Mg	308.0	20292.6	269.6	20643.1
	Mn	29.7	757.0	10.7	750.1
	Mo	19.4	756.4	27.4	763.5
	Na	8258355.6	8020094.3	8048331.9	8002944.4
	Nd	165.6	227.6	207.6	258.7
	Ni	575.4	19923.4	410.0	20036.4
	P	4073.7	4157.5	88.3	212.6
	Pb	273.4	21444.0	217.7	21757.2
	Pd	552.3	509.2	668.7	583.4
	Rh	224.4	336.1	257.7	361.1
	Sb	150.6	2108.7	144.8	2104.6
	Se	33.4	1888.2	131.6	1983.6
	Si	3046.2	53134.2	408.5	51491.5
	Sn	806.8	2040.3	1178.2	2292.3
	Sr	68.7	418.9	54.2	407.4
	Te	103.5	154.3	189.6	205.5
	Th	34.6	1185.6	93.5	1269.8
	Ti	53.3	766.2	18.2	742.4
	Tl	302.2	2179.3	125.4	1995.7
	U	2209.1	67209.1	828.2	66326.9
	V	65.9	772.6	24.9	741.3
	W	58.3	91.5	67.6	128.9
	Y	7.7	17.4	13.0	21.1
	Zn	60.8	831.7	89.3	823.1
ug/g	Zr	331.9	3550.8	37926.0	40696.5

Template: TC-NA202 ICP RAW DATA -- IEC Corrected File: m091995a
Reported: 09/20/95

Raw Data
Data Page 2 of 2

Analyzed: 09/19/95
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: D SANDERS Reviewer: MW Th 9/21/95

Sample ID:		95-07941-N1-Smp	95-07941-N1-Smp-PS	95-07941-N3-Blk	95-07941-N3-Blk-PS
Split ID:					
Run Time:		14:16	14:20	14:08	14:12
(ug/mL)	Ag	0.0081	0.1211	0.0169	0.1324
	Al	32.3677	45.2645	0.0849	14.3727
	As	0.0214	0.5591	0.0186	0.5617
	B	0.2213	0.5909	0.1365	0.5169
	Ba	0.0049	0.0966	0.0036	0.0964
	Be	0.0002	0.0181	0.0001	0.0181
	Bi	0.0278	4.7478	0.0358	4.8609
	Ca	1.1172	10.5260	2.0142	10.7172
	Cd	0.0015	0.3431	0.0004	0.3552
	Ce	0.0501	0.0654	-0.0935	-0.0667
	Co	0.0085	0.2059	0.0081	0.2100
	Cr	0.0396	1.6769	0.0110	1.6770
	Cu	0.0344	0.2256	0.0158	0.2116
	Dy	0.0063	0.0064	0.0096	0.0088
	Eu	0.0021	0.0033	0.0035	0.0046
	Fe	0.3200	4.1565	0.0693	3.9756
	K	1.5064	24.5205	1.7430	25.1278
	La	0.0141	0.0247	0.0165	0.0253
	Li	0.0180	0.3573	0.0096	0.3550
	Mg	0.0815	5.3694	0.0713	5.4622
	Mn	0.0079	0.2003	0.0028	0.1985
	Mo	0.0051	0.2001	0.0072	0.2020
	Na	2185.1609	2122.1169	2129.5886	2117.5791
	Nd	0.0438	0.0602	0.0549	0.0685
	Ni	0.1523	5.2717	0.1085	5.3016
	P	1.0779	1.1001	0.0234	0.0563
	Pb	0.0723	5.6741	0.0576	5.7570
	Pd	0.1462	0.1347	0.1769	0.1544
	Rh	0.0594	0.0889	0.0682	0.0956
	Sb	0.0399	0.5579	0.0383	0.5569
	Se	0.0088	0.4996	0.0348	0.5249
	Si	0.8060	14.0593	0.1081	13.6247
	Sn	0.2135	0.5399	0.3118	0.6066
	Sr	0.0182	0.1108	0.0143	0.1078
	Te	0.0274	0.0408	0.0502	0.0544
	Th	0.0092	0.3137	0.0247	0.3360
	Ti	0.0141	0.2027	0.0048	0.1965
	Tl	0.0800	0.5766	0.0332	0.5281
	U	0.5845	17.7835	0.2192	17.5501
	V	0.0174	0.2044	0.0066	0.1961
	W	0.0154	0.0242	0.0179	0.0341
	Y	0.0020	0.0046	0.0034	0.0056
	Zn	0.0161	0.2201	0.0236	0.2178
(ug/mL)	Zr	0.0878	0.9395	10.0352	10.7683

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

								MCVA 950728I901	A 950728	A 950728	A 950728
								95D262A	95D262A	95D262A	95D262A
								9/19/95	9/19/95	9/19/95	9/19/95
Statistical Summary for 'MCVA 950728I901'								13:23	13:54	13:57	14:24
(MCVA)								CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	361	406	451	496
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag	0.500	4	0.475	0.005	1	-0.025	-4.9	0.471	0.472	0.478	0.482
Al	25.000	4	24.858	0.328	1	-0.142	-0.6	24.767	24.540	24.810	25.317
As	2.500	4	2.536	0.034	1	0.036	1.4	2.520	2.507	2.533	2.565
B	2.000	4	1.976	0.028	1	-0.024	-1.2	1.971	1.944	1.975	2.013
Ba	0.500	4	0.517	0.008	2	0.017	3.4	0.519	0.508	0.514	0.526
Be	0.100	4	0.091	0.001	1	-0.009	-8.6	0.092	0.090	0.091	0.092
Bi	25.000	4	23.943	0.282	1	-1.057	-4.2	23.829	23.671	23.940	24.332
Ca	25.000	4	24.678	0.205	1	-0.322	-1.3	24.552	24.477	24.752	24.932
Cd	0.500	4	0.490	0.003	1	-0.010	-1.9	0.486	0.490	0.492	0.493
Ce		4	-0.037	0.012	-33			-0.051	-0.022	-0.032	-0.041
Co	1.000	4	1.020	0.009	1	0.020	2.0	1.015	1.011	1.023	1.032
Cr	1.000	4	1.020	0.010	1	0.020	2.0	1.022	1.007	1.022	1.031
Cu	1.000	4	1.000	0.013	1	0.000	0.0	1.003	0.985	0.997	1.016
Dy		4	0.000	0.002	-568			-0.002	0.001	0.001	-0.001
Eu		4	0.002	0.000	26			0.001	0.002	0.002	0.002
Fe	20.000	4	20.309	0.202	1	0.309	1.5	20.304	20.075	20.291	20.568
K	25.000	4	26.863	0.334	1	1.863	7.5	26.405	27.123	26.823	27.099
La		4	0.008	0.003	32			0.005	0.010	0.010	0.007
Li	2.000	4	2.085	0.043	2	0.085	4.3	2.085	2.053	2.057	2.146
Mg	25.000	4	26.250	0.254	1	1.250	5.0	26.133	26.004	26.268	26.594
Mn	0.500	4	0.506	0.005	1	0.006	1.2	0.506	0.500	0.505	0.512
Mo	1.000	4	1.035	0.010	1	0.035	3.5	1.035	1.022	1.035	1.047
Na	25.000	4	26.667	0.605	2	1.667	6.7	26.445	26.329	26.323	27.571
Nd		4	0.008	0.011	139			-0.003	0.017	0.017	0.000
Ni	1.000	4	1.045	0.010	1	0.045	4.5	1.036	1.037	1.051	1.056
P		4	0.030	0.021	70			0.000	0.036	0.049	0.034
Pb	2.500	4	2.556	0.023	1	0.056	2.2	2.523	2.555	2.571	2.574
Pd		4	-0.011	0.035	-312			-0.048	0.024	0.012	-0.032
Rh		4	-0.001	0.016	-1468			-0.017	0.013	0.013	-0.013
Sb	2.500	4	2.549	0.031	1	0.049	2.0	2.533	2.515	2.564	2.585
Se	2.500	4	2.403	0.026	1	-0.097	-3.9	2.394	2.371	2.415	2.431
Si	20.000	4	18.162	0.202	1	-1.838	-9.2	18.089	17.965	18.153	18.442
Sn		4	0.204	0.046	23			0.152	0.241	0.244	0.178
Sr	0.500	4	0.523	0.008	1	0.023	4.6	0.525	0.514	0.520	0.533
Te		4	0.002	0.010	420			-0.002	0.010	0.011	-0.009
Th		4	0.041	0.003	9			0.043	0.038	0.044	0.038
Ti	1.000	4	1.010	0.012	1	0.010	1.0	1.010	0.996	1.007	1.026
Tl		4	2.439	0.029	1			2.419	2.412	2.449	2.476
U		4	-0.028	0.161	-569			-0.197	0.119	0.099	-0.134
V	1.000	4	0.984	0.010	1	-0.016	-1.6	0.983	0.973	0.983	0.997
W		4	0.024	0.004	18			0.021	0.022	0.030	0.022
Y		4	0.000	0.001	-298			-0.001	0.000	0.000	-0.001
Zn	1.000	4	0.998	0.013	1	-0.002	-0.2	0.987	0.990	0.999	1.015
Zr	2.000	4	2.066	0.023	1	0.066	3.3	2.069	2.038	2.061	2.094
TIME		4	#######	0.000	0			10000.000	########	########	########

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

								MCVB 950911H901	B 950911	B 950911H901
								95D262A	95D262A	95D262A
								9/19/95	9/19/95	9/19/95
Statistical Summary for 'MCVB 950911H901'								13:27	14:01	14:28
(MCVB)								CONC	CONC	CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	541	586	631
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		3	0.020	0.003	14			0.017	0.022	0.021
Al		3	0.056	0.023	40			0.030	0.067	0.071
As		3	0.059	0.014	24			0.044	0.073	0.059
B		3	0.004	0.001	13			0.004	0.005	0.004
Ba		3	0.001	0.000	85			0.000	0.001	0.001
Be		3	0.000	0.000	180			0.000	0.000	0.000
Bi		3	0.016	0.004	25			0.012	0.019	0.017
Ca		3	0.010	0.005	46			0.005	0.013	0.012
Cd		3	0.001	0.001	128			0.000	0.001	0.001
Ce	2.000	3	2.055	0.016	1	0.055	2.7	2.038	2.071	2.056
Co		3	0.005	0.002	37			0.003	0.006	0.006
Cr		3	0.002	0.001	30			0.002	0.001	0.002
Cu		3	-0.001	0.001	-129			-0.003	0.000	-0.001
Dy	2.000	3	2.035	0.010	1	0.035	1.8	2.044	2.039	2.024
Eu	2.000	3	2.021	0.010	0	0.021	1.0	2.026	2.027	2.009
Fe		3	0.007	0.002	32			0.005	0.009	0.007
K		3	0.405	0.304	75			0.055	0.607	0.552
La	2.000	3	2.024	0.008	0	0.024	1.2	2.019	2.034	2.019
Li		3	0.003	0.002	56			0.001	0.003	0.004
Mg		3	0.180	0.017	9			0.161	0.192	0.187
Mn		3	0.001	0.000	16			0.001	0.001	0.001
Mo		3	0.002	0.002	74			0.000	0.003	0.003
Na		3	0.077	0.041	53			0.032	0.086	0.113
Nd	2.000	3	2.028	0.011	1	0.028	1.4	2.020	2.040	2.023
Ni		3	0.006	0.002	25			0.005	0.006	0.008
P		3	-0.006	0.017	-299			-0.024	0.006	0.002
Pb		3	0.075	0.009	12			0.065	0.083	0.077
Pd	2.000	3	3.135	0.036	1	1.135	56.8	3.094	3.155	3.158
Rh	2.000	3	2.105	0.030	1	0.105	5.3	2.073	2.132	2.111
Sb		3	0.024	0.004	17			0.019	0.025	0.027
Se		3	0.011	0.009	82			0.001	0.014	0.018
Si		3	0.138	0.010	8			0.147	0.141	0.126
Sn	2.000	3	2.298	0.105	5	0.298	14.9	2.181	2.383	2.331
Sr		3	0.001	0.000	23			0.001	0.001	0.001
Te	2.000	3	1.854	0.022	1	-0.146	-7.3	1.836	1.879	1.848
Th	5.000	3	5.230	0.036	1	0.230	4.6	5.211	5.272	5.207
Ti		3	0.002	0.001	36			0.001	0.003	0.002
Tl		3	0.021	0.003	13			0.018	0.022	0.023
U	10.000	3	8.506	0.089	1	-1.494	-14.9	8.463	8.609	8.446
V		3	0.000	0.001	-380			-0.002	0.001	0.000
W	2.000	3	0.524	0.009	2	-1.476	-73.8	0.514	0.532	0.525
Y	1.000	3	1.003	0.007	1	0.003	0.3	1.005	1.009	0.996
Zn		3	0.002	0.000	24			0.002	0.002	0.001
Zr		3	0.010	0.003	27			0.013	0.009	0.008
TIME		3	########	0.000	0			10000.000	########	########

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

								STD1-Blank 108444	1-Blank 10	1-Blank 10	1-Blank 10
								95D262A	95D262A	95D262A	95D262A
								9/19/95	9/19/95	9/19/95	9/19/95
Statistical Summary for 'STD1-Blank 108444'								11:16	13:16	13:35	14:39
(STD1-Blank)								CONC	CONC	CONC	CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	946	991	1036	1081
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		4	0.000	0.001	-486			0.002	-0.001	-0.001	-0.001
Al		4	0.001	0.006	903			0.007	-0.006	0.003	-0.002
As		4	-0.001	0.011	-875			0.016	-0.005	-0.007	-0.009
B		4	0.004	0.004	103			0.009	0.005	0.001	0.001
Ba		4	0.000	0.000	-265			0.000	0.000	0.000	0.000
Be		4	0.000	0.000	177			0.000	0.000	0.000	0.000
Bi		4	-0.006	0.006	-101			0.001	-0.013	-0.004	-0.006
Ca		4	0.004	0.002	55			0.003	0.002	0.004	0.007
Cd		4	0.000	0.001	1335			0.002	-0.001	-0.001	0.000
Ce		4	-0.003	0.010	-386			0.008	-0.016	0.001	-0.003
Co		4	0.001	0.001	77			0.002	0.001	0.001	0.001
Cr		4	0.000	0.001	-207			0.001	-0.001	0.000	-0.001
Cu		4	0.002	0.001	35			0.004	0.002	0.002	0.002
Dy		4	0.000	0.001	1407			0.001	-0.001	0.000	0.000
Eu		4	0.000	0.000	185			0.001	0.000	0.000	0.000
Fe		4	0.000	0.001	-205			0.000	-0.001	0.000	0.000
K		4	-0.115	0.315	-273			0.264	-0.292	0.008	-0.442
La		4	0.000	0.001	372			0.002	-0.001	0.000	0.000
Li		4	0.000	0.001	432			0.002	-0.001	-0.001	0.001
Mg		4	0.007	0.005	67			0.012	0.002	0.011	0.005
Mn		4	0.000	0.000	-559			-0.001	0.000	0.000	0.000
Mo		4	0.001	0.001	63			0.001	0.001	0.001	0.002
Na		4	0.051	0.101	198			0.023	-0.014	-0.005	0.202
Nd		4	0.000	0.008	5857			0.010	-0.008	0.000	-0.002
Ni		4	0.002	0.002	83			0.005	0.000	0.003	0.003
P		4	-0.001	0.020	-1837			0.007	-0.020	0.024	-0.015
Pb		4	-0.002	0.011	-568			0.014	-0.011	-0.003	-0.008
Pd		4	0.022	0.018	80			0.048	0.010	0.017	0.013
Rh		4	-0.001	0.008	-1343			0.011	-0.006	-0.001	-0.007
Sb		4	0.003	0.006	202			-0.004	-0.001	0.009	0.007
Se		4	-0.001	0.007	-1074			0.004	-0.001	0.004	-0.010
Si		4	0.086	0.096	112			0.216	0.100	0.032	-0.002
Sn		4	0.016	0.038	246			0.053	-0.003	0.042	-0.029
Sr		4	0.000	0.000	13			0.000	0.000	0.000	0.000
Te		4	0.004	0.008	212			0.013	-0.001	0.007	-0.005
Th		4	0.002	0.002	120			0.003	0.001	0.003	-0.001
Ti		4	0.000	0.000	2012			0.001	0.000	0.000	0.000
Tl		4	0.007	0.002	23			0.010	0.006	0.006	0.007
U		4	-0.027	0.089	-336			0.094	-0.096	-0.011	-0.093
V		4	0.000	0.001	-193			0.001	-0.001	0.000	-0.001
W		4	0.003	0.005	161			0.007	-0.001	-0.001	0.006
Y		4	0.000	0.000	-142			0.000	0.000	-0.001	0.000
Zn		4	0.000	0.001	-230			-0.001	-0.001	0.000	0.000
Zr		4	-0.001	0.001	-105			0.000	-0.001	0.000	-0.001
TIME		4	#######	0.000	0			10000.000	########	########	########

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

								SST-ICS-1 950908I10	S-1 950908I101		
								95D262A	95D262A		
								9/19/95	9/19/95		
Statistical Summary for 'SST-ICS-1 950908I101'								14:04	14:35		
(Interference Check Std for Na fusion)								CONC	CONC		
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	766	811		
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)		
Ag		2	0.063	0.000	1			0.063	0.063		
Al	100	2	93.834	0.967	1	-6.166	-6.2	93.150	94.518		
As		2	0.092	0.010	10			0.099	0.086		
B		2	0.012	0.002	14			0.011	0.013		
Ba		2	0.001	0.000	24			0.002	0.001		
Be		2	0.000	0.000	31			0.000	0.000		
Bi		2	0.126	0.003	2			0.124	0.128		
Ca		2	0.042	0.001	3			0.043	0.041		
Cd		2	0.014	0.002	14			0.015	0.013		
Ce		2	-0.041	0.009	-21			-0.034	-0.047		
Co		2	0.011	0.000	4			0.011	0.011		
Cr		2	0.028	0.000	2			0.028	0.028		
Cu		2	0.016	0.002	14			0.018	0.015		
Dy		2	0.007	0.001	8			0.007	0.007		
Eu		2	0.004	0.001	13			0.005	0.004		
Fe	20	2	18.367	0.143	1	-1.633	-8.2	18.265	18.468		
K		2	1.345	0.061	5			1.388	1.301		
La		2	0.027	0.000	0			0.027	0.027		
Li		2	0.016	0.001	4			0.017	0.016		
Mg		2	0.623	0.002	0			0.621	0.624		
Mn		2	0.004	0.000	5			0.004	0.004		
Mo		2	0.005	0.001	11			0.005	0.005		
Na	5000	2	3825.721	41.948	1	-1174.3	-23.5	3796.059	3855.382		
Nd		2	0.052	0.004	7			0.054	0.049		
Ni	50	2	48.562	0.461	1	-1.438	-2.9	48.236	48.888		
P		2	0.013	0.005	43			0.017	0.009		
Pb		2	0.275	0.012	4			0.284	0.266		
Pd		2	0.082	0.019	24			0.096	0.069		
Rh		2	0.129	0.006	4			0.133	0.125		
Sb		2	0.088	0.003	3			0.090	0.086		
Se		2	0.033	0.005	16			0.030	0.037		
Si		2	0.247	0.012	5			0.256	0.239		
Sn		2	1.032	0.035	3			1.057	1.006		
Sr		2	0.001	0.000	8			0.001	0.001		
Te		2	0.060	0.011	17			0.068	0.053		
Th		2	0.776	0.006	1			0.772	0.780		
Ti		2	0.007	0.000	4			0.007	0.007		
Tl		2	0.226	0.004	2			0.223	0.228		
U	50	2	41.471	0.343	1	-8.529	-17.1	41.228	41.714		
V		2	0.013	0.001	5			0.013	0.012		
W		2	0.056	0.000	0			0.056	0.056		
Y		2	0.008	0.000	2			0.008	0.007		
Zn		2	0.011	0.000	1			0.011	0.011		
Zr	10	2	9.268	0.077	1	-0.732	-7.3	9.214	9.323		
TIME		2	#######	0.000	0			10000.000	########		

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

								SST-ICS-2 950908I10	S-2 950908I102		
								95D262A	95D262A		
								9/19/95	9/19/95		
Statistical Summary for 'SST-ICS-2 950908I102'								13:31	14:31		
(Interference Check Std for KOH fusion)								CONC	CONC		
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	856	901		
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)		
Ag		2	0.068	0.001	1			0.069	0.068		
Al	100	2	96.699	2.076	2	-3.301	-3.3	95.231	98.167		
As		2	0.097	0.010	11			0.090	0.104		
B		2	0.014	0.001	5			0.014	0.013		
Ba		2	0.002	0.000	1			0.002	0.002		
Be		2	0.000	0.000	9			0.000	0.000		
Bi		2	0.135	0.004	3			0.138	0.132		
Ca		2	0.051	0.001	2			0.050	0.051		
Cd		2	0.015	0.000	2			0.015	0.015		
Ce		2	-0.043	0.005	-11			-0.040	-0.047		
Co		2	0.013	0.001	4			0.013	0.014		
Cr		2	0.030	0.002	8			0.029	0.032		
Cu		2	-0.025	0.003	-10			-0.023	-0.027		
Dy		2	0.008	0.000	2			0.008	0.008		
Eu		2	0.005	0.000	2			0.005	0.005		
Fe	20	2	19.295	0.294	2	-0.705	-3.5	19.087	19.502		
K	5000	2	4370.721	75.873	2	######	-12.6	4317.070	4424.372		
La		2	0.027	0.000	1			0.027	0.027		
Li		2	0.011	0.000	2			0.011	0.011		
Mg		2	0.667	0.018	3			0.654	0.680		
Mn		2	0.004	0.000	7			0.004	0.004		
Mo		2	0.007	0.000	2			0.007	0.007		
Na		2	0.402	0.019	5			0.388	0.416		
Nd		2	0.055	0.003	6			0.058	0.053		
Ni	50	2	51.009	0.918	2	1.009	2.0	50.360	51.658		
P		2	0.040	0.005	13			0.044	0.036		
Pb		2	0.316	0.000	0			0.316	0.316		
Pd		2	0.094	0.021	22			0.109	0.080		
Rh		2	0.140	0.001	0			0.140	0.141		
Sb		2	0.106	0.003	3			0.104	0.108		
Se		2	0.045	0.012	27			0.053	0.036		
Si		2	0.323	0.026	8			0.341	0.304		
Sn		2	1.169	0.010	1			1.176	1.162		
Sr		2	0.001	0.000	3			0.001	0.001		
Te		2	0.084	0.003	4			0.086	0.082		
Th		2	0.826	0.021	3			0.812	0.841		
Ti		2	0.008	0.000	4			0.008	0.008		
Tl		2	0.229	0.001	0			0.228	0.230		
U	50	2	43.770	0.750	2	-6.230	-12.5	43.240	44.300		
V		2	0.015	0.000	1			0.015	0.015		
W		2	0.067	0.006	9			0.063	0.071		
Y		2	0.008	0.000	1			0.008	0.008		
Zn		2	0.014	0.002	13			0.013	0.016		
Zr	10	2	9.674	0.154	2	-0.326	-3.3	9.565	9.783		
TIME		2	#######	0.000	0			10000.000	########		

WHC-SD-WM-DP-145, REV. 1

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

ICPAES RUN LOG (ICP -325-405)-1

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	N	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1		✓	✓							Profile 950814I101		Maint	K28798	950262A	ICP1	9/19/95
	2	✓	✓		✓		✓				SPC-BLK 108444						
	3	✓	✓		✓						SPC-STD 950731I101						
	4	✓				✓	✓				STD1-Blank 108444					ICP6	
	5	✓				✓					" 2 950830I10 2						
	6	✓				✓					" 3 3						
	7	✓				✓					" 4 4						
	8	✓				✓					" 5 5						
	9	✓				✓					" 6 6						
	10	✓				✓					" 7 7						
	11	✓				✓					" 8 8						
	12	✓				✓					" 9 9						
	13	✓					✓				" 1- Blank 108444						
	14	✓				✓	✓				STD1-Blank 108444		Silvers BY-108	K29966		ICP1	
	15	✓				✓					" 2 950830I10 2						
	16	✓				✓					" 3 3						
	17	✓				✓					" 4 4						
	18	✓				✓					" 5 5						
	19	✓				✓					" 6 6						
	20	✓				✓					" 7 7						
	21	✓				✓					" 8 8						
	22	✓				✓					" 9 9						
	23	✓					✓				" 1- Blank 108444						
	24	✓							✓	PASS	MCVA 960728I901						
	25	✓							✓	PASS ⊗	MCVB 950911H901						

[SP] System Performance [S]tandardization or calibration
[M]id-range Calibration Verificatio [P]rofile (2 ppm Cu)
Mode [C or I] = [C]oncentration, [I]ntensity

Initial or Continuing Calibration [B]lank
[X] A solid vertical line denotes contiguous data.
M&TE#WD00560

Initial or Continuing Calibration [V]erification Standard
"ADF" = Analytical Dilution Factor (other than 1x)
file: C:\QPRO\PROGRAMS\RUNLOG.TJ2 (04-02-93)

⊗ Pd, Sn, W, U - N/A for QC. on MCVB. DKS 9/19/95

WHC-SD-WM-DP-145, REV. 1

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

ICPAES RUN LOG (ICP -325-405)-1

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	M	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1	✓						✓			SST-ICS-2 950908I102		Silvers	K28966	950262A	ICP1	9/19/95 DB
	2						✓				STD1-Blank 108444						
	3									95-007941-HCB	1st Sample KOH/Ni Prep Blank	5X					
	4									95-007941-HCB-PS	2nd " " " " Post Spike	5X					
	5									95-007941-HIT	3rd Sample Sample	5X					
	6									95-007941-HIT	4th Sample " Post Spike	5X					
	7								✓	Fail-Si Low	MCVA 950728I901						
	8								✓	PASS	" "						
	9								✓	PASS (X)	MCVB 950911H901						
	10										SST-ICS-1 950905I101						
	11									95-007941-N3	5th Sample Na2O2/Zr Prep Blank	5X					
	12									95-007941-N3-PS	6th " " " " " Post Spike	5X					
	13									95-007941-N1	7th " Sample	5X					
	14									95-007941-N1	8th " " Post Spike	5X					
	15								✓	PASS	MCVA 950728I901						
	16								✓	PASS (X)	MCVB 950911H901						
	17							✓			SST-ICS-2 950908I102						
	18							✓			SST-ICS-1 950908I101						
	19						✓				STD1-Blank 108444						
	20																
	21																
	22																
	23																
	24																
	25																

[SP] System Performance [S]tandardization or calibration
[M]id-range Calibration Verificatio [P]rofile (2 ppm Cu)
*Mode (C or I) = [C]oncentration, [I]ntensity

Initial or Continuing Calibration [B]lank
[X] A solid vertical line denotes contiguous data.
M&TE#WD00580

Initial or Continuing Calibration [V]erification Standard
ADF = Analytical Dilution Factor (other than 1x).
file: C:\OPROV\PROGRAMS\RUNLOG.TJ2 (04-02-93)

3-839

Analysis Report Summary Tue 09-19-95 02:45:23 PM page 1

95D262A
ICP-225-005-1
9/14/95 RGL

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	SPC-BLK 108444	95D262A	ICP1	09/19/95	10:23	DRS	S	INT
2	SPC-BLK 108444	95D262A	ICP1	09/19/95	10:23	DRS	S	CONC
3	SPC-STD 950831I101	95D262A	ICP1	09/19/95	10:26	DRS	S	INT
4	SPC-STD 950831I101	95D262A	ICP1	09/19/95	10:27	DRS	S	INT
5	SPC-STD 950831I101	95D262A	ICP1	09/19/95	10:27	DRS	S	CONC
6	STD1-Blank	95D262A	ICP0	09/19/95	10:38		X	IR
7	STD2	95D262A	ICP0	09/19/95	10:40		X	IR
8	STD3	95D262A	ICP0	09/19/95	10:44		X	IR
9	STD4	95D262A	ICP0	09/19/95	10:49		X	IR
10	STD5	95D262A	ICP0	09/19/95	10:53		X	IR
11	STD6	95D262A	ICP0	09/19/95	10:57		X	IR
12	STD7	95D262A	ICP0	09/19/95	11:01		X	IR
13	STD8	95D262A	ICP0	09/19/95	11:04		X	IR
14	STD9	95D262A	ICP0	09/19/95	11:09		X	IR
15	STD1-Blank 108444	95D262A	ICP0	09/19/95	11:18	DRS	S	CONC
16	STD1-Blank	95D262A	ICP1	09/19/95	12:40		X	IR
17	STD2	95D262A	ICP1	09/19/95	12:42		X	IR
18	STD3	95D262A	ICP1	09/19/95	12:45		X	IR
19	STD4	95D262A	ICP1	09/19/95	12:49		X	IR
20	STD5	95D262A	ICP1	09/19/95	12:52		X	IR
21	STD6	95D262A	ICP1	09/19/95	12:56		X	IR
22	STD7	95D262A	ICP1	09/19/95	12:59		X	IR
23	STD8	95D262A	ICP1	09/19/95	13:03		X	IR
24	STD9	95D262A	ICP1	09/19/95	13:06		X	IR
25	STD1-Blank 108444	95D262A	ICP1	09/19/95	13:16	DRS	S	CONC
26	MCVA 950728I901	95D262A	ICP1	09/19/95	13:23	DRS	Q	CONC
27	MCVB 950911H901	95D262A	ICP1	09/19/95	13:27	DRS	Q	CONC
28	SST-ICS-2 950908I102	95D262A	ICP1	09/19/95	13:31	DRS	S	CONC
29	STD1-Blank 108444	95D262A	ICP1	09/19/95	13:35	DRS	S	CONC
30	FIRST SAMP PREP BLK	95D262A	ICP1	09/19/95	13:39	DRS	S	CONC
31	2ND SAMPLE PREP BLK	95D262A	ICP1	09/19/95	13:43	DRS	S	CONC
32	3RD SAMP SAMPLE @5	95D262A	ICP1	09/19/95	13:46	DRS	S	CONC
33	4TH SAMP PS @5	95D262A	ICP1	09/19/95	13:50	DRS	S	CONC
34	MCVA 950728I901	95D262A	ICP1	09/19/95	13:54	DRS	Q	CONC
35	MCVA 950728I901	95D262A	ICP1	09/19/95	13:57	DRS	Q	CONC
36	MCVB 950911H901	95D262A	ICP1	09/19/95	14:01	DRS	Q	CONC
37	SST-ICS-1 950908I101	95D262A	ICP1	09/19/95	14:04	DRS	S	CONC
38	5TH SAMP PREP BLK @5	95D262A	ICP1	09/19/95	14:08	DRS	S	CONC
39	6TH SAMP BLK-PS @5	95D262A	ICP1	09/19/95	14:12	DRS	S	CONC
40	7TH SAMP SAMPLE @5	95D262A	ICP1	09/19/95	14:16	DRS	S	CONC
41	8TH SAMPLE PS @5	95D262A	ICP1	09/19/95	14:20	DRS	S	CONC
42	MCVA 950728I901	95D262A	ICP1	09/19/95	14:24	DRS	Q	CONC
43	MCVB 950911H901	95D262A	ICP1	09/19/95	14:28	DRS	Q	CONC
44	SST-ICS-2 950908I102	95D262A	ICP1	09/19/95	14:31	DRS	S	CONC
45	SST-ICS-1 950908I101	95D262A	ICP1	09/19/95	14:35	DRS	S	CONC
46	STD1-Blank 108444	95D262A	ICP1	09/19/95	14:39	DRS	S	CONC

Analysis Report Averages Tue 09-19-95 02:45:23 PM page 2

#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108444	8387.67	2598	2225.33	1381	382.333	192.333
2	SPC-BLK 108444	.0504	.2195	.2023	.0337	.0098	.0006
3	SPC-STD 950831I101	8377.33	2582.33	2208.67	1362	383	192.333
4	SPC-STD 950831I101	8506.67	2625	2270.33	1413.67	386.667	193.333
5	SPC-STD 950831I101	.0543	.2201	.2196	.0371	.0104	.0006
6	STD1-Blank	.84566	.26129	.22263	.13693	.03863	.01936
7	STD2					7.57656	
8	STD3		57.9372		45.3185		
9	STD4						
10	STD5			22.871			
11	STD6						
12	STD7						2.07753
13	STD8	22.8974					
14	STD9						
15	STD1-Blank 108444	.0016	.0072	.0157	.0091	.0004	.0000
16	STD1-Blank	.84906	.2632	.22786	.1409	.03903	.0195
17	STD2					7.59933	
18	STD3		59.4483		46.3166		
19	STD4						
20	STD5			23.7895			
21	STD6						
22	STD7						2.1741
23	STD8	24.3225					
24	STD9						
25	STD1-Blank 108444	-.0012	-.0064	-.0054	.0050	-.0003	.0000
26	MCVA 950728I901	.4707	24.77	2.520	1.971	.5191	.0918
27	MCVB 950911H901	.0168	.0300	.0441	.0045	.0000	-.0000
28	SST-ICS-2 950908I102	.0688	95.23	.0897	.0142	.0024	.0002
29	STD1-Blank 108444	-.0007	.0035	-.0067	.0007	-.0001	-.0000
30	FIRST SAMP PREP BLK	.0085	.2250	.0371	.0814	.0028	.0001
31	2ND SAMPLE PREP BLK	.1203	14.04	.5386	.4496	.0943	.0179
32	3RD SAMP SAMPLE @5	.0083	29.11	.0358	.0889	.0058	.0002
33	4TH SAMP PS @5	.1230	42.74	.5658	.4635	.0997	.0184
34	MCVA 950728I901	.4716	24.54	2.507	1.944	.5081	.0901
35	MCVA 950728I901	.4780	24.81	2.533	1.975	.5139	.0911
36	MCVB 950911H901	.0220	.0666	.0726	.0050	.0009	.0000
37	SST-ICS-1 950908I101	.0630	93.15	.0990	.0106	.0017	.0001
38	5TH SAMP PREP BLK @5	.0169	.0849	.0186	.1365	.0036	.0001
39	6TH SAMP BLK-PS @5	.1324	14.37	.5617	.5169	.0964	.0181
40	7TH SAMP SAMPLE @5	.0081	32.37	.0214	.2213	.0049	.0002
41	8TH SAMPLE PS @5	.1211	45.26	.5591	.5909	.0966	.0181
42	MCVA 950728I901	.4817	25.32	2.585	2.013	.5265	.0924
43	MCVB 950911H901	.0213	.0710	.0592	.0038	.0008	.0001
44	SST-ICS-2 950908I102	.0678	98.17	.1044	.0132	.0024	.0001
45	SST-ICS-1 950908I101	.0625	94.52	.0855	.0131	.0012	.0001
46	STD1-Blank 108444	-.0008	-.0017	-.0089	.0008	-.0004	.0000

Analysis Report Averages Tue 09-19-95 02:45:23 PM page 3

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SPC-BLK 108444	1866	1709	579	7927.67	1877.67	600.333
2	SPC-BLK 108444	.1742	.1379	.0128	.3274	.0538	.0219
3	SPC-STD 950831I101	1851.33	1710	583.333	7935	1868	613
4	SPC-STD 950831I101	2089.33	1566.67	576.667	7995.33	1894.67	626
5	SPC-STD 950831I101	.1791	.0885	.0124	.3414	.0558	.0263
6	STD1-Blank	.18823	.17229	.0584	.79949	.18873	.06133
7	STD2					16.9242	11.8826
8	STD3		76.8899	7.44959			
9	STD4						
10	STD5				22.9633		
11	STD6						
12	STD7						
13	STD8	19.0948					
14	STD9						
15	STD1-Blank 108444	.0009	.0027	.0019	.0080	.0024	.0005
16	STD1-Blank	.1911	.16743	.05913	.80313	.19086	.06303
17	STD2					17.1959	12.021
18	STD3		79.0414	7.66246			
19	STD4						
20	STD5				23.5204		
21	STD6						
22	STD7						
23	STD8	20.3474					
24	STD9						
25	STD1-Blank 108444	-.0127	.0020	-.0006	-.0161	.0006	-.0006
26	MCVA 950728I901	23.83	24.55	.4863	-.0507	1.015	1.022
27	MCVB 950911H901	.0115	.0046	-.0001	2.038	.0027	.0015
28	SST-ICS-2 950908I102	.1379	.0498	.0147	-.0397	.0130	.0286
29	STD1-Blank 108444	-.0043	.0039	-.0006	.0007	.0007	-.0001
30	FIRST SAMP PREP BLK	.0329	.0730	.0044	.0422	.0110	.0095
31	2ND SAMPLE PREP BLK	4.646	9.433	.3456	.0570	.2079	1.637
32	3RD SAMP SAMPLE @5	.0833	.1505	.0050	.0415	.0136	.0279
33	4TH SAMP PS @5	4.821	9.836	.3483	.0488	.2137	1.701
34	MCVA 950728I901	23.67	24.48	.4902	-.0224	1.011	1.007
35	MCVA 950728I901	23.94	24.75	.4924	-.0322	1.023	1.022
36	MCVB 950911H901	.0191	.0128	.0005	2.071	.0059	.0014
37	SST-ICS-1 950908I101	.1242	.0428	.0153	-.0344	.0114	.0284
38	5TH SAMP PREP BLK @5	.0358	2.014	.0004	-.0935	.0081	.0110
39	6TH SAMP BLK-PS @5	4.861	10.72	.3552	-.0667	.2100	1.677
40	7TH SAMP SAMPLE @5	.0278	1.117	.0015	.0501	.0085	.0396
41	8TH SAMPLE PS @5	4.748	10.53	.3431	.0654	.2059	1.677
42	MCVA 950728I901	24.33	24.93	.4926	-.0409	1.032	1.031
43	MCVB 950911H901	.0172	.0122	.0012	2.056	.0058	.0024
44	SST-ICS-2 950908I102	.1321	.0514	.0151	-.0465	.0138	.0322
45	SST-ICS-1 950908I101	.1280	.0409	.0126	-.0467	.0108	.0277
46	STD1-Blank 108444	-.0061	.0068	-.0004	-.0030	.0007	-.0013

Analysis Report Averages Tue 09-19-95 02:45:23 PM page 4

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108444	577	2434.67	428	725.667	2614.33	1258.67
2	SPC-BLK 108444	.0423	.0461	.0142	.0398	9.015	.0813
3	SPC-STD 950831I101	574.333	2432.33	427.333	725.333	2612.33	1258.67
4	SPC-STD 950831I101	18492.3	2620.67	431.333	780.667	2635.33	1269.67
5	SPC-STD 950831I101	8.740	.0402	.0147	.0403	9.425	.0848
6	STD1-Blank	.05846	.2452	.04316	.07303	.26326	.1271
7	STD2	3.66143			71.6045		
8	STD3					2.34279	
9	STD4		47.3686	10.7581			5.5269
10	STD5						
11	STD6						
12	STD7						
13	STD8						
14	STD9						
15	STD1-Blank 108444	.0035	.0005	.0006	.0005	.2645	.0022
16	STD1-Blank	.05866	.24636	.04346	.07363	.2626	.12773
17	STD2	3.66649			72.2312		
18	STD3					2.3758	
19	STD4		48.1317	10.9831			5.65993
20	STD5						
21	STD6						
22	STD7						
23	STD8						
24	STD9						
25	STD1-Blank 108444	.0023	-.0007	-.0001	-.0012	-.2918	-.0010
26	MCVA 950728I901	1.003	-.0023	.0012	20.30	26.41	.0051
27	MCVB 950911H901	-.0028	2.044	2.026	.0045	.0552	2.019
28	SST-ICS-2 950908I102	-.0230	.0077	.0047	19.09	4317.	.0271
29	STD1-Blank 108444	.0019	.0001	.0001	-.0003	.0079	.0001
30	FIRST SAMP PREP BLK	-.0049	.0058	.0017	.1354	2187.	.0126
31	2ND SAMPLE PREP BLK	.1846	.0055	.0031	3.962	2162.	.0232
32	3RD SAMP SAMPLE @5	.0032	.0071	.0018	.3229	2196.	.0125
33	4TH SAMP PS @5	.1957	.0057	.0027	4.246	2169.	.0216
34	MCVA 950728I901	.9845	.0012	.0022	20.08	27.12	.0104
35	MCVA 950728I901	.9972	.0012	.0022	20.29	26.82	.0105
36	MCVB 950911H901	.0001	2.039	2.027	.0088	.6073	2.034
37	SST-ICS-1 950908I101	.0179	.0073	.0046	18.27	1.388	.0272
38	5TH SAMP PREP BLK @5	.0158	.0096	.0035	.0693	1.743	.0165
39	6TH SAMP BLK-PS @5	.2116	.0088	.0046	3.976	25.13	.0253
40	7TH SAMP SAMPLE @5	.0344	.0063	.0021	.3200	1.506	.0141
41	8TH SAMPLE PS @5	.2256	.0064	.0033	4.156	24.52	.0247
42	MCVA 950728I901	1.016	-.0014	.0016	20.57	27.10	.0071
43	MCVB 950911H901	-.0007	2.024	2.009	.0071	.5521	2.019
44	SST-ICS-2 950908I102	-.0266	.0076	.0046	19.50	4424.	.0273
45	SST-ICS-1 950908I101	.0148	.0065	.0038	18.47	1.301	.0273
46	STD1-Blank 108444	.0017	.0002	.0000	-.0003	-.4417	.0001

Analysis Report Averages Tue 09-19-95 02:45:23 PM page 5

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
1	SPC-BLK 108444	507.667	3059.67	252.333	1060.67	537	4650.33
2	SPC-BLK 108444	.0338	.2403	.0067	.0444	.5325	.2890
3	SPC-STD 950831I101	508.667	3060.67	252.667	1062.33	538	4650.67
4	SPC-STD 950831I101	26303.7	3159	65164.3	1099.67	545.667	4679.33
5	SPC-STD 950831I101	10.42	.2474	9.965	.0465	.5719	.2976
6	STD1-Blank	.0513	.30883	.026	.10716	.05449	.46843
7	STD2		38.8219		11.9222	4.82293	
8	STD3	11.9467		6.39236			
9	STD4						15.7539
10	STD5						
11	STD6						
12	STD7						
13	STD8						
14	STD9						
15	STD1-Blank 108444	.0021	.0117	-.0007	.0008	.0227	.0105
16	STD1-Blank	.05156	.31009	.02559	.10876	.05453	.47123
17	STD2		39.3145		12.1008	4.80626	
18	STD3	12.0572		6.54376			
19	STD4						16.0192
20	STD5						
21	STD6						
22	STD7						
23	STD8						
24	STD9						
25	STD1-Blank 108444	-.0008	.0017	.0002	.0006	-.0138	-.0078
26	MCVA 950728I901	2.085	26.13	.5058	1.035	26.44	-.0027
27	MCVB 950911H901	.0010	.1611	.0009	.0003	.0322	2.020
28	SST-ICS-2 950908I102	.0107	.6538	.0044	.0072	.3882	.0578
29	STD1-Blank 108444	-.0007	.0108	.0002	.0009	-.0053	-.0003
30	FIRST SAMP PREP BLK	.0265	.0512	.0409	.0076	1.000	.0365
31	2ND SAMPLE PREP BLK	.3646	5.306	.2321	.2022	20.06	.0533
32	3RD SAMP SAMPLE @5	.0243	.1148	.0661	.0056	21.67	.0391
33	4TH SAMP PS @5	.3734	5.477	.2623	.2022	40.64	.0496
34	MCVA 950728I901	2.053	26.00	.5002	1.022	26.33	.0170
35	MCVA 950728I901	2.057	26.27	.5054	1.035	26.32	.0168
36	MCVB 950911H901	.0034	.1923	.0012	.0031	.0861	2.040
37	SST-ICS-1 950908I101	.0167	.6212	.0041	.0054	3796.	.0544
38	5TH SAMP PREP BLK @5	.0096	.0713	.0028	.0072	2130.	.0549
39	6TH SAMP BLK-PS @5	.3550	5.462	.1985	.2020	2118.	.0685
40	7TH SAMP SAMPLE @5	.0180	.0815	.0079	.0051	2185.	.0438
41	8TH SAMPLE PS @5	.3573	5.369	.2003	.2002	2122.	.0602
42	MCVA 950728I901	2.146	26.59	.5119	1.047	Q27.57	-.0004
43	MCVB 950911H901	.0039	.1869	.0013	.0033	.1129	2.023
44	SST-ICS-2 950908I102	.0110	.6798	.0040	.0070	.4157	.0529
45	SST-ICS-1 950908I101	.0159	.6242	.0039	.0046	3855.	.0493
46	STD1-Blank 108444	.0007	.0046	-.0000	.0021	.2018	-.0019

Analysis Report Averages Tue 09-19-95 02:45:23 PM page 6

#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
1	SPC-BLK 108444	606.333	1686.67	17574	19434.7	19358.7	3442.33
2	SPC-BLK 108444	.0463	.2960	.3871	.8362	.4157	.2386
3	SPC-STD 950831I101	605	1708	17593.7	19406	19299.7	3472
4	SPC-STD 950831I101	617	1821.33	114863	19626	19467.3	3553
5	SPC-STD 950831I101	.0500	.2963	9.290	.8767	.4263	.2714
6	STD1-Blank	.06043	.17023	1.77719	1.95743	1.94863	.35053
7	STD2	5.66839		48.4081			
8	STD3		12.4302				
9	STD4						
10	STD5						27.0093
11	STD6						
12	STD7						
13	STD8						
14	STD9				18.7164	42.8699	
15	STD1-Blank 108444	.0045	.0065	.0138	.0481	.0113	-.0035
16	STD1-Blank	.06156	.17386	1.79659	1.97083	1.96023	.35293
17	STD2	5.76329		49.2685			
18	STD3		12.7695				
19	STD4						
20	STD5						28.1074
21	STD6						
22	STD7						
23	STD8						
24	STD9				19.2646	44.2751	
25	STD1-Blank 108444	-.0004	-.0201	-.0107	.0101	-.0062	-.0008
26	MCVA 950728I901	1.036	.0002	2.523	-.0483	-.0173	2.533
27	MCVB 950911H901	.0048	-.0244	.0650	Q3.094	2.073	.0191
28	SST-ICS-2 950908I102	50.36	.0435	.3163	.1089	.1401	.1040
29	STD1-Blank 108444	.0029	.0238	-.0027	.0169	-.0005	.0090
30	FIRST SAMP PREP BLK	4.806	.0453	.0696	.1236	.0704	.0383
31	2ND SAMPLE PREP BLK	9.821	.0852	5.606	.1321	.0974	.5468
32	3RD SAMP SAMPLE @5	21.23	4.984	.0901	.1388	.0677	.0521
33	4TH SAMP PS @5	25.94	4.927	5.757	.1156	.0911	.5840
34	MCVA 950728I901	1.037	.0360	2.555	.0243	.0127	2.515
35	MCVA 950728I901	1.051	.0492	2.571	.0117	.0130	2.564
36	MCVB 950911H901	.0062	.0062	.0830	Q3.155	2.132	.0249
37	SST-ICS-1 950908I101	48.24	.0167	.2837	.0962	.1326	.0900
38	5TH SAMP PREP BLK @5	.1085	.0234	.0576	.1769	.0682	.0383
39	6TH SAMP BLK-PS @5	5.302	.0563	5.757	.1544	.0956	.5569
40	7TH SAMP SAMPLE @5	.1523	1.078	.0723	.1462	.0594	.0398
41	8TH SAMPLE PS @5	5.272	1.100	5.674	.1347	.0889	.5579
42	MCVA 950728I901	1.056	.0338	2.574	-.0318	-.0129	2.585
43	MCVB 950911H901	.0079	.0016	.0771	Q3.158	2.111	.0270
44	SST-ICS-2 950908I102	51.66	.0360	.3161	.0798	.1408	.1079
45	SST-ICS-1 950908I101	48.89	.0089	.2664	.0687	.1247	.0863
46	STD1-Blank 108444	.0030	-.0146	-.0083	.0131	-.0071	.0073

Analysis Report Averages Tue 09-19-95 02:45:23 PM page 7

#	Sample Name	Se	Si	Sn	Sr	Te	Th
1	SPC-BLK 108444	2060.67	4829	8917.33	175.333	13056.7	3000
2	SPC-BLK 108444	.2924	.2298	1.514	.0033	.3104	.0709
3	SPC-STD 950831I101	2047.33	4815.67	8888	175.333	13045.7	2997.33
4	SPC-STD 950831I101	2072	4906	9000.33	176	13686.7	3034.33
5	SPC-STD 950831I101	.2986	.2472	1.528	.0033	.3178	.0774
6	STD1-Blank	.20559	.4896	.89563	.01769	1.31066	.30226
7	STD2				8.25773		
8	STD3						
9	STD4						11.7473
10	STD5						
11	STD6						
12	STD7		61.2638			43.114	
13	STD8	3.56299					
14	STD9			6.76606			
15	STD1-Blank 108444	.0044	.2158	.0525	.0003	.0126	.0031
16	STD1-Blank	.21113	.4851	.9024	.01793	1.32896	.30376
17	STD2				8.37546		
18	STD3						
19	STD4						12.0716
20	STD5						
21	STD6						
22	STD7		64.4211			45.4993	
23	STD8	3.7906					
24	STD9			6.96386			
25	STD1-Blank 108444	-.0015	.0997	-.0034	.0002	-.0006	.0007
26	MCVA 950728I901	2.394	18.09	.1517	.5246	-.0024	.0434
27	MCVB 950911H901	.0010	.1466	2.181	.0006	1.836	5.211
28	SST-ICS-2 950908I102	.0530	.3409	1.176	.0011	.0862	.8118
29	STD1-Blank 108444	.0044	.0318	.0416	.0003	.0069	.0033
30	FIRST SAMP PREP BLK	.0393	.4233	.2588	.0016	.0468	.0124
31	2ND SAMPLE PREP BLK	.5135	13.42	.5832	.0942	.0604	.3140
32	3RD SAMP SAMPLE @5	.0149	1.476	.3047	.0062	.0421	.0119
33	4TH SAMP PS @5	.5156	14.84	.5849	.1015	.0608	.3263
34	MCVA 950728I901	2.371	Q17.96	.2407	.5142	.0098	.0375
35	MCVA 950728I901	2.415	18.15	.2445	.5204	.0110	.0439
36	MCVB 950911H901	.0135	.1409	Q2.383	.0009	1.879	5.272
37	SST-ICS-1 950908I101	.0296	.2557	1.057	.0012	.0678	.7719
38	5TH SAMP PREP BLK @5	.0348	.1081	.3118	.0143	.0502	.0247
39	6TH SAMP BLK-PS @5	.5249	13.62	.6066	.1078	.0544	.3360
40	7TH SAMP SAMPLE @5	.0088	.8060	.2135	.0182	.0274	.0092
41	8TH SAMPLE PS @5	.4996	14.06	.5399	.1108	.0408	.3137
42	MCVA 950728I901	2.431	18.44	.1779	.5327	-.0091	.0377
43	MCVB 950911H901	.0185	.1264	Q2.331	.0008	1.848	5.207
44	SST-ICS-2 950908I102	.0362	.3042	1.162	.0011	.0818	.8410
45	SST-ICS-1 950908I101	.0370	.2386	1.006	.0011	.0529	.7799
46	STD1-Blank 108444	-.0098	-.0024	-.0286	.0003	-.0045	-.0007

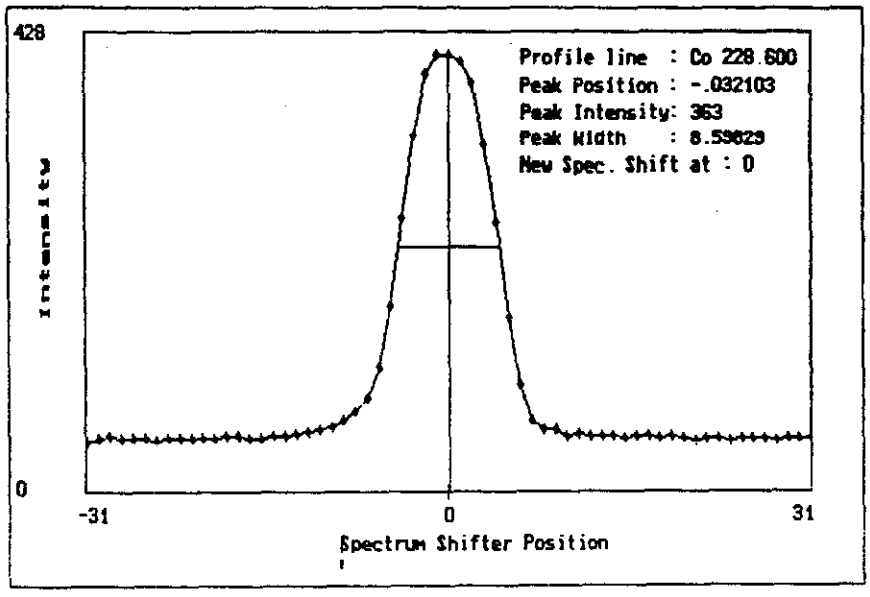
Analysis Report Averages Tue 09-19-95 02:45:23 PM page 6

#	Sample Name	Ti	Tl	U	V	W	Y
1	SPC-BLK 108444	808.667	461	21897.3	1257.33	394.667	321
2	SPC-BLK 108444	.0185	.1927	4.802	.0422	.1377	.0195
3	SPC-STD 950831I101	807.667	456	21883.7	1254.67	390.333	321
4	SPC-STD 950831I101	817.333	477	22090.7	1271	398	323
5	SPC-STD 950831I101	.0196	.2227	4.996	.0444	.1316	.0201
6	STD1-Blank	.0815	.04606	2.21143	.12673	.03936	.03233
7	STD2	14.4399					
8	STD3						
9	STD4						
10	STD5				12.0567		3.02286
11	STD6			50.7353			
12	STD7						
13	STD8		1.12826				
14	STD9					3.24366	
15	STD1-Blank 108444	.0006	.0099	.0938	.0006	.0073	.0003
16	STD1-Blank	.08186	.04589	2.22296	.12736	.03959	.03253
17	STD2	14.5518					
18	STD3						
19	STD4						
20	STD5				12.3867		3.08186
21	STD6			53.0859			
22	STD7						
23	STD8		1.18133				
24	STD9					3.32019	
25	STD1-Blank 108444	-.0003	.0061	-.0958	-.0008	-.0013	-.0005
26	MCVA 950728I901	1.010	2.419	-.1971	.9835	.0210	-.0007
27	MCVB 950911H901	.0013	.0176	08.463	-.0020	0.5138	1.005
28	SST-ICS-2 950908I102	.0080	.2284	43.24	.0152	.0627	.0083
29	STD1-Blank 108444	-.0001	.0065	-.0113	-.0003	-.0010	-.0005
30	FIRST SAMP PREP BLK	.0494	.0311	.4808	.0054	.0273	.0018
31	2ND SAMPLE PREP BLK	.2369	.5215	17.80	.1921	.0298	.0045
32	3RD SAMP SAMPLE @5	.0784	.0899	.5848	.0139	.0303	.0020
33	4TH SAMP PS @5	.2696	.5852	18.23	.2044	.0415	.0040
34	MCVA 950728I901	.9957	2.412	.1191	.9726	.0223	.0003
35	MCVA 950728I901	1.007	2.449	.0989	.9833	.0301	.0004
36	MCVB 950911H901	.0027	.0220	08.609	.0007	0.5316	1.009
37	SST-ICS-1 950908I101	.0074	.2233	41.23	.0135	.0564	.0077
38	5TH SAMP PREP BLK @5	.0048	.0332	.2192	.0066	.0179	.0034
39	6TH SAMP BLK-PS @5	.1965	.5281	17.55	.1961	.0341	.0056
40	7TH SAMP SAMPLE @5	.0141	.0800	.5845	.0174	.0154	.0020
41	8TH SAMPLE PS @5	.2027	.5766	17.78	.2044	.0242	.0046
42	MCVA 950728I901	1.026	2.476	-.1341	.9966	.0217	-.0007
43	MCVB 950911H901	.0024	.0227	08.446	.0002	0.5255	.9955
44	SST-ICS-2 950908I102	.0075	.2299	44.30	.0150	.0712	.0082
45	SST-ICS-1 950908I101	.0070	.2284	41.71	.0125	.0565	.0074
46	STD1-Blank 108444	-.0001	.0069	-.0928	-.0007	.0064	-.0005

Analysis Report Averages Tue 09-19-95 02:45:23 PM page 9

#	Sample Name	Zn	Zr
1	SPC-BLK 108444	436	1030
2	SPC-BLK 108444	.0070	.0367
3	SPC-STD 950831I101	445.333	1029
4	SPC-STD 950831I101	116652	1037.67
5	SPC-STD 950831I101	8.316	.0377
6	STD1-Blank	.04459	.10383
7	STD2	23.2699	25.7728
8	STD3		
9	STD4		
10	STD5		
11	STD6		
12	STD7		
13	STD8		
14	STD9		
15	STD1-Blank 108444	-.0006	.0000
16	STD1-Blank	.04443	.10426
17	STD2	23.7471	25.9347
18	STD3		
19	STD4		
20	STD5		
21	STD6		
22	STD7		
23	STD8		
24	STD9		
25	STD1-Blank 108444	-.0005	-.0009
26	MCVA 950728I901	.9869	2.069
27	MCVB 950911H901	.0022	.0129
28	SST-ICS-2 950908I102	.0131	9.565
29	STD1-Blank 108444	-.0002	-.0002
30	FIRST SAMP PREP BLK	.0098	.0301
31	2ND SAMPLE PREP BLK	.2065	.8651
32	3RD SAMP SAMPLE @5	.0219	.0372
33	4TH SAMP PS @5	.2222	.8996
34	MCVA 950728I901	.9895	2.038
35	MCVA 950728I901	.9986	2.061
36	MCVB 950911H901	.0018	.0093
37	SST-ICS-1 950908I101	.0105	9.214
38	5TH SAMP PREP BLK @5	.0236	10.04
39	6TH SAMP BLK-PS @5	.2178	10.77
40	7TH SAMP SAMPLE @5	.0161	.0878
41	8TH SAMPLE PS @5	.2201	.9395
42	MCVA 950728I901	1.015	2.094
43	MCVB 950911H901	.0013	.0077
44	SST-ICS-2 950908I102	.0157	9.783
45	SST-ICS-1 950908I101	.0107	9.323
46	STD1-Blank 108444	.0005	-.0014

95D262A
ICP-325-405-1
9/19/95 DB



Analysis Report Tue 09-19-95 10:25:11 AM page 1

Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/19/95 10:23:52
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	8388	2588	2225	1381	382	192	1866
SDev	16	5	17	6	1	1	10
%RSD	.1927	.1771	.7443	.4522	.3020	.3002	.5112
#1	8385	2584	2208	1379	381	192	1872
#2	8373	2587	2227	1376	383	192	1871
#3	8405	2593	2241	1388	383	193	1855

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1709	579	7928	1878	600	577	2435
SDev	1	17	31	9	14	0	6
%RSD	.0585	2.951	.3911	.4530	2.249	.0000	.2641
#1	1709	561	7927	1881	587	577	2432
#2	1708	595	7897	1868	614	577	2430
#3	1710	581	7959	1884	600	577	2442

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	428	726	2614	1259	508	3060	252
SDev	1	3	5	2	2	13	1
%RSD	.2336	.3468	.1808	.1214	.3009	.4138	.4576
#1	428	723	2616	1260	509	3074	253
#2	427	726	2609	1257	506	3055	251
#3	429	728	2618	1259	508	3050	253

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	1061	537	4650	606	1687	17570	19430
SDev	7	2	22	5	15	41	59
%RSD	.6820	.3724	.4624	.8136	.8639	.2310	.3049
#1	1057	539	4645	603	1685	17540	19420
#2	1056	535	4632	612	1673	17620	19390
#3	1069	537	4674	604	1702	17570	19500

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	19360	3442	2061	4829	8917	175	13060
SDev	64	6	25	16	19	1	41
%RSD	.3291	.1868	1.218	.3235	.2084	.3293	.3160
#1	19330	3435	2037	4837	8912	175	13060
#2	19320	3447	2087	4811	8938	175	13010
#3	19430	3445	2058	4839	8902	176	13090

Elem	Th	Ti	Tl	U	V	W	Y
Avge	3000	809	461	21900	1257	395	321
SDev	10	3	5	51	1	4	1
%RSD	.3283	.3975	1.148	.2322	.0459	.8898	.3115
#1	3008	811	465	21920	1257	391	322
#2	2989	805	455	21840	1257	398	320
#3	3003	810	463	21940	1258	395	321

Analysis Report

Tue 09-19-95 10:25:11 AM

page :

Elem	Zn	Zr
Avge	436	1030
SDev	7	3
%RSD	1.606	.3363
#1	429	1032
#2	436	1026
#3	443	1032

Analysis Report Tue 09-19-95 10:25:53 AM page 1

Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/19/95 10:23:52
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0504	.2195	.2023	.0337	.0098	.0006	.1742
SDev	.0004	.0034	.0065	.0006	.0002	.0000	.0040
%RSD	.8670	1.527	3.221	1.881	1.583	5.196	2.310
#1	.0503	.2157	.1954	.0335	.0097	.0006	.1767
#2	.0501	.2208	.2032	.0332	.0099	.0006	.1764
#3	.0509	.2221	.2084	.0344	.0099	.0006	.1696

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1379	.0128	.3274	.0538	.0219	.0423	.0461
SDev	.0002	.0018	.0066	.0010	.0023	.0002	.0006
%RSD	.1432	14.14	2.016	1.903	10.56	.3715	1.388
#1	.1378	.0109	.3272	.0542	.0196	.0423	.0458
#2	.1377	.0145	.3209	.0526	.0243	.0425	.0457
#3	.1381	.0130	.3341	.0546	.0219	.0422	.0468

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0142	.0398	9.015	.0813	.0338	.2403	.0067
SDev	.0002	.0007	.092	.0004	.0006	.0075	.0002
%RSD	1.104	1.809	1.023	.5469	1.813	3.114	2.399
#1	.0142	.0390	9.048	.0817	.0344	.2481	.0068
#2	.0140	.0400	8.911	.0808	.0332	.2395	.0066
#3	.0143	.0404	9.087	.0813	.0340	.2332	.0068

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0444	.5325	.2890	.0463	.2960	.3871	.8362
SDev	.0013	.0091	.0070	.0018	.0114	.0037	.0143
%RSD	2.867	1.704	2.409	3.841	3.862	.9662	1.712
#1	.0438	.5417	.2871	.0451	.2949	.3839	.8280
#2	.0436	.5235	.2831	.0484	.2852	.3912	.8278
#3	.0459	.5325	.2967	.0455	.3080	.3863	.8527

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4157	.2386	.2924	.2298	1.514	.0033	.3104
SDev	.0069	.0019	.0149	.0038	.016	.0001	.0041
%RSD	1.667	.7811	5.096	1.671	1.086	2.121	1.324
#1	.4118	.2364	.2785	.2321	1.510	.0032	.3111
#2	.4115	.2399	.3081	.2254	1.532	.0032	.3061
#3	.4237	.2393	.2907	.2320	1.500	.0034	.3142

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0709	.0185	.1927	4.802	.0422	.1377	.0195
SDev	.0027	.0004	.0101	.052	.0001	.0062	.0003

Analysis Report Tue 09-19-95 10:25:53 AM page :

%RSD	3.756	2.293	5.253	1.082	.1855	4.490	1.680
#1	.0738	.0188	.2005	4.821	.0421	.1313	.0198
#2	.0686	.0180	.1813	4.743	.0423	.1436	.0192
#3	.0704	.0186	.1963	4.842	.0423	.1381	.0195

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0070	.0367
SDev	.0005	.0005
%RSD	7.124	1.485
#1	.0065	.0369
#2	.0070	.0361
#3	.0075	.0371

Analysis Report Disregard, uptake in 2% HNO3 OB 9/19/95 Tue 09-19-95 10:27:38 AM page 1

Method: ICP1 Sample Name: ~~SPC-STD 95085111~~101 Operator: DRS
Run Time: 09/19/95 10:26:21 2% HNO3
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	8377	2582	2209	1362	383	192	1851
SDev	24	6	18	16	2	1	14
%RSD	.2886	.2366	.8254	1.154	.5222	.3002	.7683
#1	8355	2577	2189	1369	381	192	1858
#2	8374	2581	2212	1344	383	192	1861
#3	8403	2589	2225	1373	385	193	1835

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1710	583	7935	1868	613	574	2432
SDev	4	12	51	17	3	3	6
%RSD	.2549	2.060	.6440	.9148	.4316	.4382	.2374
#1	1707	584	7905	1852	610	572	2429
#2	1708	595	7906	1866	615	574	2429
#3	1715	571	7994	1886	614	577	2439

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	427	725	2612	1259	509	3061	253
SDev	2	5	8	3	3	9	2
%RSD	.3575	.6801	.2873	.1999	.6320	.2779	.6046
#1	426	722	2605	1256	510	3051	251
#2	427	723	2612	1259	505	3067	254
#3	429	731	2620	1261	511	3064	253

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	1062	538	4651	605	1708	17590	19410
SDev	7	4	21	2	15	63	56
%RSD	.6407	.6702	.4563	.2863	.8625	.3585	.2868
#1	1057	534	4636	607	1724	17660	19370
#2	1060	539	4641	604	1695	17530	19380
#3	1070	541	4675	604	1705	17600	19470

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	19300	3472	2047	4816	8888	175	13050
SDev	43	16	15	6	72	1	38
%RSD	.2203	.4490	.7250	.1319	.8122	.3293	.2919
#1	19270	3463	2031	4812	8813	175	13000
#2	19280	3490	2051	4812	8894	175	13060
#3	19350	3463	2060	4823	8957	176	13070

Elem	Th	Ti	Tl	U	V	W	Y
Avge	2997	808	456	21880	1255	390	321
SDev	16	5	1	55	5	5	0
%RSD	.5279	.5851	.2193	.2510	.3681	1.289	.0000
#1	2980	806	456	21840	1252	385	321
#2	3001	804	457	21870	1252	391	321
#3	3011	813	455	21950	1260	395	321

Analysis Report Tue 09-19-95 10:27:38 AM page

Elem	Zn	Zr
Avge	445	1029
SDev	16	4
%RSD	3.706	.4236
#1	450	1026
#2	427	1027
#3	459	1034

Analysis Report Tue 09-19-95 10:29:16 AM page 1

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/19/95 10:27:58
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	8507	2625	2270	1414	387	193	2089
SDev	18	8	18	36	1	1	6
%RSD	.2175	.2975	.7883	2.582	.1493	.2986	.2722
#1	8488	2621	2255	1414	387	193	2091
#2	8507	2620	2266	1377	386	193	2083
#3	8525	2634	2290	1450	387	194	2094

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1567	577	7995	1895	626	18490	2621
SDev	7	5	29	3	3	85	6
%RSD	.4153	.7820	.3595	.1612	.4226	.4573	.2102
#1	1560	572	7969	1892	625	18570	2617
#2	1567	581	7991	1894	629	18510	2618
#3	1573	577	8026	1898	624	18400	2627

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	431	781	2635	1270	26300	3159	65160
SDev	1	1	9	3	477	13	211
%RSD	.1339	.0740	.3422	.1982	1.814	.4140	.3234
#1	431	781	2626	1270	26820	3144	65320
#2	431	780	2636	1267	25880	3168	65250
#3	432	781	2644	1272	26220	3165	64930

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	1100	546	4679	617	1821	114900	19630
SDev	8	4	14	9	43	79	69
%RSD	.6886	.6938	.2948	1.413	2.387	.0691	.3497
#1	1091	543	4674	621	1772	114900	19580
#2	1103	550	4669	607	1838	114900	19590
#3	1105	544	4695	623	1854	114800	19710

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	19470	3553	2072	4906	9000	176	13690
SDev	68	23	10	12	41	1	72
%RSD	.3475	.6362	.4604	.2351	.4563	.5682	.5226
#1	19420	3542	2071	4893	8958	175	13610
#2	19440	3538	2063	4910	9003	176	13760
#3	19540	3579	2082	4915	9040	177	13690

Elem	Th	Ti	Tl	U	V	W	Y
Avge	3034	817	477	22090	1271	398	323
SDev	4	3	3	94	4	1	0
%RSD	.1248	.3079	.6289	.4249	.3147	.2513	.0000
#1	3030	815	474	22000	1267	399	323
#2	3036	817	477	22080	1271	398	323
#3	3037	820	480	22190	1275	397	323

Elem	Zn	Zr
Avge	116700	1038
SDev	485	4
%RSD	.4157	.3649
#1	117000	1035
#2	116900	1036
#3	116100	1042

Analysis Report Tue 09-19-95 10:30:50 AM page 1

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/19/95 10:27:58
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0543	.2201	.2196	.0371	.0104	.0006	.1791
SDev	.0004	.0040	.0068	.0039	.0001	.0000	.0025
%RSD	.6921	1.824	3.104	10.56	.7418	3.871	1.380
#1	.0539	.2194	.2138	.0372	.0105	.0006	.1797
#2	.0543	.2165	.2180	.0331	.0103	.0006	.1764
#3	.0546	.2244	.2271	.0409	.0105	.0006	.1813

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0885	.0124	.3414	.0558	.0263	8.740	.0402
SDev	.0019	.0005	.0058	.0003	.0005	.041	.0006
%RSD	2.190	3.751	1.689	.5775	1.747	.4728	1.431
#1	.0865	.0119	.3361	.0555	.0261	8.776	.0399
#2	.0886	.0129	.3405	.0557	.0268	8.749	.0399
#3	.0903	.0123	.3476	.0561	.0259	8.694	.0409

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0147	.0403	9.425	.0848	10.42	.2474	9.965
SDev	.0001	.0002	.176	.0008	.19	.0056	.032
%RSD	.4549	.5039	1.867	.9670	1.844	2.280	.3247
#1	.0147	.0405	9.243	.0852	10.63	.2417	9.989
#2	.0147	.0401	9.438	.0839	10.25	.2529	9.977
#3	.0148	.0403	9.594	.0855	10.38	.2475	9.928

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0465	.5719	.2976	.0500	.2963	9.290	.8767
SDev	.0013	.0173	.0042	.0031	.0345	.007	.0175
%RSD	2.889	3.021	1.408	6.175	11.66	.0789	2.000
#1	.0449	.5599	.2964	.0515	.2572	9.294	.8663
#2	.0471	.5917	.2942	.0465	.3094	9.295	.8669
#3	.0474	.5641	.3023	.0521	.3225	9.282	.8970

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4263	.2714	.2986	.2472	1.528	.0033	.3178
SDev	.0070	.0066	.0054	.0020	.030	.0001	.0072
%RSD	1.633	2.433	1.821	.7945	1.978	3.519	2.257
#1	.4212	.2683	.2983	.2449	1.497	.0032	.3105
#2	.4235	.2669	.2934	.2484	1.531	.0033	.3248
#3	.4343	.2790	.3042	.2481	1.557	.0035	.3180

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0774	.0196	.2227	4.996	.0444	.1316	.0201
SDev	.0036	.0003	.0055	.104	.0006	.0019	.0001

%RSD	4.615	1.450	2.478	2.076	1.290	1.472	.3080
#1	.0802	.0193	.2171	4.898	.0438	.1336	.0201
#2	.0786	.0195	.2227	4.987	.0444	.1317	.0201
#3	.0734	.0199	.2282	5.105	.0449	.1297	.0200

Elem	Zn	Zr
Units	ppm	ppm
Avge	8.316	.0377
SDev	.035	.0010
%RSD	.4170	2.569
#1	8.338	.0370
#2	8.335	.0373
#3	8.276	.0388

Standardization Rot. Tue 09-19-95 10:39:42 AM page 1

Method: ICPO Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.8457	.2613	.2226	.1369	.0386	.0194	.1882
SDev	.0022	.0010	.0004	.0006	.0001	.0001	.0007
%RSD	.2581	.3884	.1815	.4695	.1494	.2981	.3731
#1	.8476	.2624	.2227	.1372	.0387	.0194	.1889
#2	.8461	.2604	.2222	.1374	.0386	.0193	.1875
#3	.8433	.2611	.2230	.1362	.0386	.0194	.1883

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1723	.0584	.7995	.1887	.0613	.0585	.2452
SDev	.0006	.0003	.0014	.0003	.0008	.0002	.0006
%RSD	.3231	.4530	.1764	.1619	1.245	.3560	.2547
#1	.1729	.0587	.8010	.1888	.0605	.0583	.2459
#2	.1722	.0582	.7982	.1890	.0615	.0587	.2450
#3	.1718	.0583	.7993	.1884	.0620	.0584	.2447

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0432	.0730	.2633	.1271	.0513	.3088	.0260
SDev	.0001	.0005	.0009	.0006	.0003	.0022	.0001
%RSD	.2675	.7026	.3447	.4786	.5157	.7141	.3846
#1	.0433	.0736	.2643	.1278	.0515	.3107	.0261
#2	.0431	.0729	.2626	.1268	.0514	.3094	.0259
#3	.0431	.0726	.2629	.1267	.0510	.3064	.0260

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.1072	.0545	.4684	.0604	.1702	1.777	1.957
SDev	.0007	.0007	.0022	.0009	.0015	.007	.009
%RSD	.6878	1.284	.4737	1.483	.8560	.4154	.4648
#1	.1080	.0550	.4708	.0610	.1714	1.781	1.967
#2	.1066	.0537	.4681	.0594	.1707	1.782	1.955
#3	.1069	.0548	.4664	.0609	.1686	1.769	1.950

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.949	.3505	.2056	.4896	.8956	.0177	1.311
SDev	.008	.0017	.0017	.0024	.0039	.0000	.005
%RSD	.4047	.4878	.8182	.4906	.4378	.0000	.3438
#1	1.957	.3497	.2050	.4923	.8993	.0177	1.315
#2	1.946	.3525	.2043	.4888	.8915	.0177	1.310
#3	1.942	.3494	.2075	.4877	.8961	.0177	1.306

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.3023	.0815	.0461	2.211	.1267	.0394	.0323
SDev	.0011	.0003	.0002	.008	.0003	.0007	.0001
%RSD	.3806	.4250	.4519	.3408	.2537	1.784	.3571
#1	.3034	.0819	.0463	2.218	.1271	.0401	.0324
#2	.3011	.0813	.0460	2.212	.1266	.0387	.0324
#3	.3023	.0813	.0459	2.204	.1265	.0393	.0322

Elem	Zn	Zr
Avge	.0446	.1038
SDev	.0019	.0004

%RSD	4.260	.4010
#1	.0465	.1043
#2	.0446	.1035
#3	.0427	.1037

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Rpt. Tue 09-19-95 10:41:54 AM page 1

Method: ICPO Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	7.577	16.92	11.88	3.661	71.60	38.82	11.92
SDev	.094	.14	.10	.045	.62	.32	.11
%RSD	1.246	.8205	.8373	1.225	.8629	.8229	.9486
#1	7.627	16.99	11.94	3.685	71.93	38.98	11.97
#2	7.468	16.76	11.77	3.610	70.89	38.45	11.79
#3	7.635	17.02	11.94	3.690	71.99	39.03	12.00

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	4.823	5.668	48.41	8.258	14.44	23.27	25.77
SDev	.101	.041	.33	.101	.15	.22	.27
%RSD	2.099	.7219	.6865	1.220	1.013	.9331	1.030
#1	4.907	5.688	48.54	8.294	14.51	23.41	25.92
#2	4.710	5.621	48.03	8.144	14.27	23.02	25.47
#3	4.852	5.696	48.66	8.335	14.54	23.38	25.93

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Rpt. Tue 09-19-95 10:45:45 AM page 1

Method: ICPO Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	57.94	45.32	76.89	7.450	2.343	11.95	6.392
SDev	.17	.14	.23	.019	.008	.08	.018
%RSD	.2930	.3145	.3040	.2592	.3506	.6380	.2748
#1	57.88	45.28	77.04	7.449	2.333	11.86	6.396
#2	58.13	45.48	77.01	7.469	2.349	11.99	6.408
#3	57.81	45.20	76.62	7.431	2.346	11.99	6.373

Elem	P
Avge	12.43
SDev	.03
%RSD	.2156
#1	12.45
#2	12.44
#3	12.40

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Rpt. Tue 09-19-95 10:50:31 AM page 1

Method: ICPO Standard: STD4

Elem	Dy	Eu	La	Nd	Th
Avge	47.37	10.76	5.527	15.75	11.75
SDev	.23	.04	.015	.07	.02
%RSD	.4826	.3607	.2693	.4153	.1771
#1	47.41	10.76	5.529	15.75	11.75
#2	47.57	10.80	5.541	15.82	11.77
#3	47.12	10.72	5.511	15.69	11.73

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Rot. Tue 09-19-95 10:54:56 AM page

Method: ICPO Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	22.87	22.96	27.01	12.06	3.023
SDev	.13	.14	.13	.07	.016
%RSD	.5645	.6108	.4762	.5643	.5441
#1	22.85	22.97	27.03	12.06	3.025
#2	22.75	22.82	26.87	11.99	3.005
#3	23.01	23.10	27.13	12.12	3.038

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Rpt. Tue 09-19-95 10:58:54 AM page 1

Method: ICPO Standard: STD6

Elem	U
Avge	50.74
SDev	.19
%RSD	.3648
#1	50.74
#2	50.55
#3	50.92

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Rpt. Tue 09-19-95 11:02:36 AM page

Method: ICP0 Standard: STD7

Elem	Be	Si	Te
Avge	2.078	61.26	43.11
SDev	.005	.13	.13
%RSD	.2571	.2087	.2982
#1	2.083	61.40	43.26
#2	2.073	61.15	43.01
#3	2.076	61.24	43.08

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Rpt. Tue 09-19-95 11:06:13 AM page 1

Method: ICPO Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	22.90	19.09	3.563	1.128
SDev	.06	.06	.018	.007
%RSD	.2636	.2973	.5170	.6089
#1	22.84	19.05	3.546	1.121
#2	22.90	19.08	3.560	1.129
#3	22.96	19.16	3.583	1.135

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Rpt. Tue 09-19-95 11:10:32 AM page

Method: ICPO Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	18.72	42.87	6.766	3.244
SDev	.10	.26	.030	.019
%RSD	.5172	.6032	.4443	.5792
#1	18.75	42.95	6.791	3.252
#2	18.79	43.08	6.775	3.257
#3	18.61	42.58	6.733	3.222

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Report Tue 09-19-95 11:11:42 AM page 1

Method: ICP0 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	STD8	STD1-Blank	.453479	-.383492	09/19/95 11:09:15
Al	308.215	STD3	STD1-Blank	8.66914	-2.26525	09/19/95 11:09:15
As	193.600	STD5	STD1-Blank	4.41532	-.982998	09/19/95 11:09:15
B	249.600	STD3	STD1-Blank	1.10665	-.151537	09/19/95 11:09:15
Ba	493.400	STD2	STD1-Blank	1.32662	-.051252	09/19/95 11:09:15
Be	313.042	STD7	STD1-Blank	.485869	-.009410	09/19/95 11:09:15
Bi	223.061	STD8	STD1-Blank	5.28918	-.995599	09/19/95 11:09:15
Ca	317.900	STD3	STD1-Blank	3.25870	-.561475	09/19/95 11:09:15
Cd	228.800	STD3	STD1-Blank	1.35296	-.079013	09/19/95 11:09:15
Ce	418.659	STD5	STD1-Blank	2.25593	-1.80361	09/19/95 11:09:15
Co	228.600	STD2	STD1-Blank	1.19506	-.225549	09/19/95 11:09:15
Cr	205.500	STD2	STD1-Blank	1.69187	-.103768	09/19/95 11:09:15
Cu	324.700	STD2	STD1-Blank	5.55098	-.324547	09/19/95 11:09:15
Dy	353.170	STD4	STD1-Blank	1.06104	-.260168	09/19/95 11:09:15
Eu	381.900	STD4	STD1-Blank	1.86656	-.080573	09/19/95 11:09:15
Fe	259.900	STD2	STD1-Blank	2.79597	-.204199	09/19/95 11:09:15
K	766.500	STD3	STD1-Blank	240.439	-63.2995	09/19/95 11:09:15
La	398.852	STD4	STD1-Blank	3.70384	-.470758	09/19/95 11:09:15
Li	670.700	STD3	STD1-Blank	4.20329	-.215629	09/19/95 11:09:15
Mg	279.078	STD2	STD1-Blank	6.49131	-2.00473	09/19/95 11:09:15
Mn	257.600	STD3	STD1-Blank	1.57075	-.040840	09/19/95 11:09:15
Mo	202.000	STD2	STD1-Blank	1.69276	-.181408	09/19/95 11:09:15
Na	588.900	STD2	STD1-Blank	52.4281	-2.85733	09/19/95 11:09:15
Nd	406.106	STD4	STD1-Blank	3.27108	-1.53228	09/19/95 11:09:15
Ni	231.600	STD2	STD1-Blank	3.56636	-.215527	09/19/95 11:09:15
P	214.900	STD3	STD1-Blank	8.15665	-1.38853	09/19/95 11:09:15
Pb	220.300	STD2	STD1-Blank	1.07225	-1.90560	09/19/95 11:09:15
Pd	360.959	STD9	STD1-Blank	2.98348	-5.83996	09/19/95 11:09:15
Rh	343.489	STD9	STD1-Blank	1.22186	-2.38095	09/19/95 11:09:15
Sb	206.838	STD5	STD1-Blank	3.75111	-1.31489	09/19/95 11:09:15
Se	196.026	STD8	STD1-Blank	5.95699	-1.22476	09/19/95 11:09:15
Si	288.100	STD7	STD1-Blank	3.29087	-1.61121	09/19/95 11:09:15
Sn	242.950	STD9	STD1-Blank	8.51726	-7.62834	09/19/95 11:09:15
Sr	421.500	STD2	STD1-Blank	1.21359	-.021480	09/19/95 11:09:15
Te	214.275	STD7	STD1-Blank	1.19608	-1.56766	09/19/95 11:09:15
Th	283.730	STD4	STD1-Blank	4.36872	-1.32052	09/19/95 11:09:15
Ti	334.900	STD2	STD1-Blank	1.39291	-.113522	09/19/95 11:09:15
Tl	190.864	STD8	STD1-Blank	18.4809	-.851352	09/19/95 11:09:15
U	378.280	STD6	STD1-Blank	10.3042	-22.7871	09/19/95 11:09:15
V	292.402	STD5	STD1-Blank	1.67646	-.212463	09/19/95 11:09:15
W	224.875	STD9	STD1-Blank	15.6040	-.614279	09/19/95 11:09:15
Y	371.030	STD5	STD1-Blank	3.34389	-.108119	09/19/95 11:09:15
Zn	213.800	STD2	STD1-Blank	.861131	-.038406	09/19/95 11:09:15
Zr	339.100	STD2	STD1-Blank	1.94788	-.202255	09/19/95 11:09:15

Standardization Report Tue 09-19-95 11:12:11 AM page 1

Method: ICPO Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	STD8	STD1-Blank	2.20517	.383492	09/19/95 11:09:15
Al	308.215	STD3	STD1-Blank	.115352	2.26525	09/19/95 11:09:15
As	193.600	STD5	STD1-Blank	.226484	.982998	09/19/95 11:09:15
B	249.600	STD3	STD1-Blank	.903631	.151537	09/19/95 11:09:15
Ba	493.400	STD2	STD1-Blank	.753793	.051252	09/19/95 11:09:15
Be	313.042	STD7	STD1-Blank	2.05817	.009410	09/19/95 11:09:15
Bi	223.061	STD8	STD1-Blank	.189065	.995599	09/19/95 11:09:15
Ca	317.900	STD3	STD1-Blank	.306871	.561475	09/19/95 11:09:15
Cd	228.800	STD3	STD1-Blank	.739120	.079013	09/19/95 11:09:15
Ce	418.659	STD5	STD1-Blank	.443277	1.80361	09/19/95 11:09:15
Co	228.600	STD2	STD1-Blank	.836775	.225549	09/19/95 11:09:15
Cr	205.500	STD2	STD1-Blank	.591063	.103768	09/19/95 11:09:15
Cu	324.700	STD2	STD1-Blank	.180148	.324547	09/19/95 11:09:15
Dy	353.170	STD4	STD1-Blank	.942468	.260168	09/19/95 11:09:15
Eu	381.900	STD4	STD1-Blank	.535745	.080573	09/19/95 11:09:15
Fe	259.900	STD2	STD1-Blank	.357657	.204199	09/19/95 11:09:15
K	766.500	STD3	STD1-Blank	.004159	63.2995	09/19/95 11:09:15
La	398.852	STD4	STD1-Blank	.269990	.470758	09/19/95 11:09:15
Li	670.700	STD3	STD1-Blank	.237909	.215629	09/19/95 11:09:15
Mg	279.078	STD2	STD1-Blank	.154052	2.00473	09/19/95 11:09:15
Mn	257.600	STD3	STD1-Blank	.636637	.040840	09/19/95 11:09:15
Mo	202.000	STD2	STD1-Blank	.590750	.181408	09/19/95 11:09:15
Na	588.900	STD2	STD1-Blank	.019074	2.85733	09/19/95 11:09:15
Nd	406.106	STD4	STD1-Blank	.305709	1.53228	09/19/95 11:09:15
Ni	231.600	STD2	STD1-Blank	.280398	.215527	09/19/95 11:09:15
P	214.900	STD3	STD1-Blank	.122599	1.38853	09/19/95 11:09:
Pb	220.300	STD2	STD1-Blank	.932617	1.90560	09/19/95 11:09:
Pd	360.959	STD9	STD1-Blank	.335179	5.83996	09/19/95 11:09:15
Rh	343.489	STD9	STD1-Blank	.818425	2.38095	09/19/95 11:09:15
Sb	206.838	STD5	STD1-Blank	.266588	1.31469	09/19/95 11:09:15
Se	196.026	STD8	STD1-Blank	.167870	1.22476	09/19/95 11:09:15
Si	288.100	STD7	STD1-Blank	.303871	1.61121	09/19/95 11:09:15
Sn	242.950	STD9	STD1-Blank	.117409	7.62834	09/19/95 11:09:15
Sr	421.500	STD2	STD1-Blank	.824003	.021480	09/19/95 11:09:15
Te	214.275	STD7	STD1-Blank	.836066	1.56766	09/19/95 11:09:15
Th	283.730	STD4	STD1-Blank	.228900	1.32052	09/19/95 11:09:15
Ti	334.900	STD2	STD1-Blank	.717922	.113522	09/19/95 11:09:15
Tl	190.864	STD8	STD1-Blank	.054110	.851352	09/19/95 11:09:15
U	378.280	STD6	STD1-Blank	.097048	22.7871	09/19/95 11:09:15
V	292.402	STD5	STD1-Blank	.596497	.212463	09/19/95 11:09:15
W	224.875	STD9	STD1-Blank	.064086	.614279	09/19/95 11:09:15
Y	371.030	STD5	STD1-Blank	.299053	.108119	09/19/95 11:09:15
Zn	213.800	STD2	STD1-Blank	1.16126	.038406	09/19/95 11:09:15
Zr	339.100	STD2	STD1-Blank	.513379	.202255	09/19/95 11:09:15

Standardization Readback Report Tue 09-19-95 11:12:37 AM page 1

Method: ICPO

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	STD1-Blank	.000000	-.000000	.000000
		STD8	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al	308.215	STD1-Blank	.000000	.000000	-.000000
		STD3	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As	193.600	STD1-Blank	.000000	-.000000	.000000
		STD5	100.000	100.000	-.000008
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B	249.600	STD1-Blank	.000000	.000000	-.000000
		STD3	50.0000	50.0000	.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	STD1-Blank	.000000	.000000	-.000000
		STD2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	STD1-Blank	.000000	.000000	-.000000
		STD7	1.00000	1.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	STD1-Blank	.000000	.000000	-.000000
		STD8	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	STD1-Blank	.000000	-.000000	.000000
		STD3	250.000	250.000	.000015
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	STD1-Blank	.000000	.000000	-.000000
		STD3	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	STD1-Blank	.000000	.000000	-.000000
		STD5	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	STD1-Blank	.000000	.000000	-.000000
		STD4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	STD1-Blank	.000000	.000000	-.000000
		STD4	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	STD1-Blank	.000000	-.000000	.000000
		STD2	200.000	200.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	STD1-Blank	.000000	-.000001	.000001
		STD3	500.000	500.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	STD1-Blank	.000000	.000000	-.000000
		STD4	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	STD1-Blank	.000000	.000000	-.000000
		STD3	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	STD1-Blank	.000000	.000000	-.000000
		STD2	250.000	250.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	STD1-Blank	.000000	.000000	-.000000
		STD3	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Standardization Readback Report Tue 09-19-95 11:12:37 AM page 3

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	STD1-Blank	.000000	-.000000	.000000
		STD2	250.000	250.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	STD1-Blank	.000000	-.000000	.000000
		STD4	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	STD1-Blank	.000000	-.000000	.000000
		STD3	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	STD1-Blank	.000000	-.000000	.000000
		STD2	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	STD1-Blank	.000000	-.000000	.000000
		STD9	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	STD1-Blank	.000000	-.000000	.000000
		STD9	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb	206.838	STD1-Blank	.000000	-.000000	.000000
		STD5	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se	196.026	STD1-Blank	.000000	.000000	-.000000
		STD8	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si	288.100	STD1-Blank	.000000	-.000000	.000000
		STD7	200.000	200.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn	242.950	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	50.0000	.000000

Standardization Readback Report Tue 09-19-95 11:12:37 AM page 4

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	STD1-Blank	.000000	-.000000	.000000
		STD2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te	214.275	STD1-Blank	.000000	-.000000	.000000
		STD7	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th	283.730	STD1-Blank	.000000	.000000	-.000000
		STD4	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti	334.900	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl	190.864	STD1-Blank	.000000	.000000	-.000000
		STD8	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U	378.280	STD1-Blank	.000000	-.000000	.000000
		STD6	500.000	500.000	.000031
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	STD1-Blank	.000000	-.000000	.000000
		STD5	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W	224.875	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	STD1-Blank	.000000	.000000	-.000000
		STD5	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	STD1-Blank	.000000	-.000000	.000000
		STD2	50.0000	50.0000	.000000

Analysis Report Tue 09-19-95 11:19:45 AM page 1

Method: ICPO Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/19/95 11:18:27
Comment: IEC CHECK RUN AFTER TORCH REPLACEMENT
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0072	.0157	.0091	.0004	.0000	.0009
SDev	.0006	.0022	.0042	.0033	.0001	.0000	.0040
%RSD	33.37	30.20	26.75	36.46	37.50	57.73	453.0
#1	.0016	.0069	.0113	.0124	.0002	.0001	.0004
#2	.0022	.0052	.0197	.0057	.0005	.0001	.0051
#3	.0011	.0095	.0162	.0093	.0004	.0000	-.0028

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.0019	.0080	.0024	.0005	.0035	.0005
SDev	.0005	.0015	.0025	.0005	.0007	.0015	.0004
%RSD	18.33	81.13	31.56	22.16	134.7	41.78	80.00
#1	.0026	.0030	.0061	.0029	.0013	.0024	.0010
#2	.0023	.0026	.0108	.0021	.0001	.0052	.0001
#3	.0033	.0001	.0070	.0020	.0001	.0030	.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0005	.2645	.0022	.0021	.0117	-.0007
SDev	.0001	.0005	.1772	.0000	.0004	.0117	.0002
%RSD	19.24	103.9	67.01	.0000	20.00	100.2	24.74
#1	.0006	.0007	.4648	.0022	.0025	.0238	-.0009
#2	.0006	.0007	.1282	.0022	.0021	.0108	-.0006
#3	.0004	-.0001	.2004	.0022	.0017	.0004	-.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0227	.0105	.0045	.0065	.0138	.0481
SDev	.0007	.0132	.0032	.0007	.0082	.0080	.0189
%RSD	89.22	58.08	30.35	15.79	125.2	57.94	39.18
#1	.0002	.0210	.0140	.0038	-.0027	.0072	.0572
#2	.0016	.0105	.0097	.0045	.0095	.0116	.0265
#3	.0006	.0367	.0077	.0052	.0128	.0227	.0608

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	-.0035	.0044	.2158	.0525	.0003	.0126
SDev	.0033	.0040	.0168	.0116	.0162	.0001	.0043
%RSD	28.99	112.9	383.4	5.363	30.81	21.65	34.22
#1	.0122	-.0073	-.0149	.2248	.0704	.0004	.0128
#2	.0077	.0006	.0125	.2198	.0483	.0002	.0168
#3	.0140	-.0039	.0155	.2027	.0389	.0004	.0082

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.0006	.0099	.0938	.0006	.0073	.0003
SDev	.0015	.0002	.0112	.0420	.0002	.0086	.0002

Analysis Report Tue 09-19-95 11:19:45 AM page

%RSD	50.17	35.25	114.1	44.80	34.64	118.0	57.73
#1	.0032	.0008	-.0031	.1058	.0004	-.0026	.0002
#2	.0045	.0006	.0154	.0471	.0004	.0130	.0002
#3	.0015	.0004	.0172	.1285	.0008	.0114	.0006

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0006	-.0000
SDev	.0015	.0002
%RSD	234.7	4104000.
#1	-.0023	-.0003
#2	.0000	.0001
#3	.0004	.0001

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	10000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	10000	--	--	--	--	--	--
#2	10000	--	--	--	--	--	--
#3	10000	--	--	--	--	--	--

Standardization Rpt. Tue 09-19-95 12:41:54 PM page 1

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.8491	.2632	.2279	.1409	.0390	.0195	.1911
SDev	.0008	.0002	.0013	.0021	.0001	.0000	.0006
%RSD	.0952	.0658	.5844	1.482	.1479	.0000	.2914
#1	.8498	.2630	.2294	.1385	.0390	.0195	.1905
#2	.8492	.2633	.2270	.1423	.0391	.0195	.1912
#3	.8482	.2633	.2272	.1419	.0390	.0195	.1916

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1674	.0591	.8031	.1909	.0630	.0587	.2464
SDev	.0003	.0006	.0023	.0002	.0005	.0001	.0003
%RSD	.1920	.9909	.2875	.1210	.7985	.2604	.1240
#1	.1672	.0589	.8018	.1906	.0625	.0585	.2461
#2	.1673	.0587	.8018	.1910	.0631	.0588	.2463
#3	.1678	.0598	.8058	.1910	.0635	.0587	.2467

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0435	.0736	.2626	.1277	.0516	.3101	.0256
SDev	.0001	.0001	.0006	.0001	.0001	.0008	.0003
%RSD	.1328	.0784	.2316	.0452	.1120	.2580	1.033
#1	.0434	.0736	.2619	.1277	.0516	.3101	.0254
#2	.0435	.0737	.2630	.1277	.0516	.3109	.0255
#3	.0435	.0736	.2629	.1278	.0515	.3093	.0259

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.1088	.0545	.4712	.0616	.1739	1.797	1.971
SDev	.0006	.0007	.0010	.0006	.0018	.009	.003
%RSD	.5982	1.221	.2147	.8946	1.031	.4822	.1711
#1	.1081	.0553	.4706	.0616	.1750	1.787	1.969
#2	.1088	.0542	.4707	.0610	.1748	1.798	1.969
#3	.1094	.0541	.4724	.0621	.1718	1.805	1.975

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.960	.3529	.2111	.4851	.9024	.0179	1.329
SDev	.005	.0014	.0010	.0010	.0029	.0001	.003
%RSD	.2749	.4010	.4768	.2172	.3167	.3219	.2349
#1	1.958	.3538	.2122	.4841	.9007	.0179	1.325
#2	1.956	.3537	.2102	.4850	.9008	.0179	1.331
#3	1.966	.3513	.2110	.4862	.9057	.0180	1.330

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.3038	.0819	.0459	2.223	.1274	.0396	.0325
SDev	.0009	.0002	.0001	.004	.0001	.0006	.0001
%RSD	.2838	.2543	.2179	.1904	.0453	1.406	.1775
#1	.3036	.0818	.0460	2.226	.1273	.0395	.0326
#2	.3030	.0817	.0459	2.218	.1274	.0391	.0325
#3	.3047	.0821	.0458	2.225	.1274	.0402	.0325

Elem	Zn	Zr
Avge	.0444	.1043
SDev	.0006	.0003

%RSD	1.319	.2414
#1	.0442	.1040
#2	.0451	.1043
#3	.0440	.1045

Standardization Rpt. Tue 09-19-95 12:43:23 PM page 1

Method: ICP1 Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	7.599	17.20	12.02	3.666	72.23	39.31	12.10
SDev	.044	.06	.05	.020	.27	.11	.05
%RSD	.5829	.3529	.4555	.5365	.3697	.2699	.4288
#1	7.555	17.13	11.96	3.646	71.95	39.20	12.04
#2	7.644	17.24	12.06	3.685	72.48	39.40	12.14
#3	7.599	17.22	12.05	3.669	72.26	39.35	12.12

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	4.806	5.763	49.27	8.375	14.55	23.75	25.93
SDev	.007	.022	.18	.051	.07	.09	.10
%RSD	.1418	.3904	.3606	.6125	.4867	.3955	.3910
#1	4.810	5.740	49.07	8.318	14.48	23.65	25.83
#2	4.798	5.785	49.41	8.416	14.62	23.83	26.03
#3	4.810	5.765	49.33	8.393	14.56	23.76	25.94

Standardization Rpt. Tue 09-19-95 12:46:44 PM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	59.45	46.32	79.04	7.662	2.376	12.06	6.544
SDev	.44	.31	.32	.033	.020	.13	.037
%RSD	.7461	.6622	.4048	.4298	.8566	1.043	.5595
#1	59.91	46.64	79.36	7.680	2.396	12.18	6.581
#2	59.02	46.03	78.72	7.624	2.355	11.93	6.508
#3	59.42	46.28	79.05	7.683	2.376	12.06	6.543

Elem	P
Avge	12.77
SDev	.09
%RSD	.6703
#1	12.85
#2	12.68
#3	12.78

Standardization Rpt. Tue 09-19-95 12:50:26 PM page 1

Method: ICP1 Standard: STD4

Elem	Dy	Eu	La	Nd	Th
Avge	48.13	10.98	5.660	16.02	12.07
SDev	.47	.10	.047	.14	.09
%RSD	.9726	.8662	.8240	.8925	.7184
#1	48.33	11.02	5.675	16.07	12.10
#2	48.47	11.06	5.697	16.13	12.14
#3	47.60	10.88	5.608	15.86	11.98

Standardization Rpt. Tue 09-19-95 12:53:58 PM page 1

Method: ICP1 Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	23.79	23.52	28.11	12.39	3.082
SDev	.09	.10	.11	.05	.015
%RSD	.3594	.4117	.3964	.4295	.4836
#1	23.69	23.41	27.98	12.33	3.065
#2	23.84	23.58	28.18	12.42	3.089
#3	23.84	23.58	28.17	12.42	3.092

Standardization Rpt. Tue 09-19-95 12:57:23 PM page 1

Method: ICP1 Standard: STD6

Elem	U
Avge	53.09
SDev	.38
%RSD	.7100
#1	52.65
#2	53.31
#3	53.30

Standardization Rpt. Tue 09-19-95 01:00:54 PM page

Method: ICP1 Standard: STD7

Elem	Be	Si	Te
Avge	2.174	64.42	45.50
SDev	.015	.48	.35
%RSD	.7115	.7412	.7636
#1	2.162	64.06	45.23
#2	2.191	64.96	45.89
#3	2.169	64.24	45.38

Standardization Rpt. Tue 09-19-95 01:04:28 PM page 1

Method: ICP1 Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	24.32	20.35	3.791	1.181
SDev	.05	.04	.004	.002
%RSD	.2119	.2197	.1038	.1655
#1	24.34	20.34	3.795	1.181
#2	24.27	20.30	3.790	1.180
#3	24.36	20.39	3.787	1.184

Standardization Rpt. Tue 09-19-95 01:07:53 PM page 1

Method: ICP1 Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	19.26	44.28	6.964	3.320
SDev	.06	.10	.019	.011
%RSD	.3102	.2211	.2752	.3187
#1	19.20	44.16	6.942	3.313
#2	19.31	44.32	6.971	3.332
#3	19.28	44.34	6.979	3.315

Standardization Report Tue 09-19-95 01:11:12 PM page 1

Method: ICP1 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	STD8	STD1-Blank	.426014	-.361714	09/19/95 01:06:36
Al	308.215	STD3	STD1-Blank	8.44808	-2.22353	09/19/95 01:06:36
As	193.600	STD5	STD1-Blank	4.24418	-.967108	09/19/95 01:06:36
B	249.600	STD3	STD1-Blank	1.08282	-.152569	09/19/95 01:06:36
Ba	493.400	STD2	STD1-Blank	1.32270	-.051629	09/19/95 01:06:36
Be	313.042	STD7	STD1-Blank	.464123	-.009050	09/19/95 01:06:36
Bi	223.061	STD8	STD1-Blank	4.96122	-.948089	09/19/95 01:06:36
Ca	317.900	STD3	STD1-Blank	3.16961	-.530699	09/19/95 01:06:36
Cd	228.800	STD3	STD1-Blank	1.31521	-.077773	09/19/95 01:06:36
Ce	418.659	STD5	STD1-Blank	2.20097	-1.76767	09/19/95 01:06:36
Co	228.600	STD2	STD1-Blank	1.17612	-.224482	09/19/95 01:06:36
Cr	205.500	STD2	STD1-Blank	1.67252	-.105425	09/19/95 01:06:36
Cu	324.700	STD2	STD1-Blank	5.54349	-.325218	09/19/95 01:06:36
Dy	353.170	STD4	STD1-Blank	1.04416	-.257246	09/19/95 01:06:36
Eu	381.900	STD4	STD1-Blank	1.82821	-.079466	09/19/95 01:06:36
Fe	259.900	STD2	STD1-Blank	2.77171	-.204090	09/19/95 01:06:36
K	766.500	STD3	STD1-Blank	236.608	-62.1333	09/19/95 01:06:36
La	398.852	STD4	STD1-Blank	3.61520	-.461781	09/19/95 01:06:36
Li	670.700	STD3	STD1-Blank	4.16470	-.214760	09/19/95 01:06:36
Mg	279.078	STD2	STD1-Blank	6.40953	-1.98759	09/19/95 01:06:36
Mn	257.600	STD3	STD1-Blank	1.53417	-.039275	09/19/95 01:06:36
Mo	202.000	STD2	STD1-Blank	1.66778	-.181399	09/19/95 01:06:36
Na	588.900	STD2	STD1-Blank	52.6124	-2.86913	09/19/95 01:06:36
Nd	406.106	STD4	STD1-Blank	3.21585	-1.51541	09/19/95 01:06:36
Ni	231.600	STD2	STD1-Blank	3.50771	-.215958	09/19/95 01:06:36
P	214.900	STD3	STD1-Blank	7.93926	-1.38037	09/19/95 01:06:36
Pb	220.300	STD2	STD1-Blank	1.05325	-1.89228	09/19/95 01:06:36
Pd	360.959	STD9	STD1-Blank	2.89122	-5.69810	09/19/95 01:06:36
Rh	343.489	STD9	STD1-Blank	1.18162	-2.31625	09/19/95 01:06:36
Sb	206.838	STD5	STD1-Blank	3.60303	-1.27163	09/19/95 01:06:36
Se	196.026	STD8	STD1-Blank	5.58742	-1.17969	09/19/95 01:06:36
Si	288.100	STD7	STD1-Blank	3.12813	-1.51745	09/19/95 01:06:36
Sn	242.950	STD9	STD1-Blank	9.48235	-8.55687	09/19/95 01:06:36
Sr	421.500	STD2	STD1-Blank	1.19653	-.021458	09/19/95 01:06:36
Te	214.275	STD7	STD1-Blank	1.13198	-1.50437	09/19/95 01:06:36
Th	283.730	STD4	STD1-Blank	4.24886	-1.29066	09/19/95 01:06:36
Ti	334.900	STD2	STD1-Blank	1.38218	-.113154	09/19/95 01:06:36
Tl	190.864	STD8	STD1-Blank	17.6144	-.808502	09/19/95 01:06:36
U	378.280	STD6	STD1-Blank	9.83035	-21.8525	09/19/95 01:06:36
V	292.402	STD5	STD1-Blank	1.63141	-.207787	09/19/95 01:06:36
W	224.875	STD9	STD1-Blank	15.4444	-.611598	09/19/95 01:06:36
Y	371.030	STD5	STD1-Blank	3.27941	-.106690	09/19/95 01:06:36
Zn	213.800	STD2	STD1-Blank	.843788	-.037492	09/19/95 01:06:36
Zr	339.100	STD2	STD1-Blank	1.93570	-.201829	09/19/95 01:06:36

Standardization Report Tue 09-19-95 01:11:41 PM page

Method: ICP1 Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	STD8	STD1-Blank	2.34734	.361714	09/19/95 01:06:36
Al	308.215	STD3	STD1-Blank	.118370	2.22353	09/19/95 01:06:36
As	193.600	STD5	STD1-Blank	.235617	.967108	09/19/95 01:06:36
B	249.600	STD3	STD1-Blank	.923514	.152569	09/19/95 01:06:36
Ba	493.400	STD2	STD1-Blank	.756030	.051629	09/19/95 01:06:36
Be	313.042	STD7	STD1-Blank	2.15460	.009050	09/19/95 01:06:36
Bi	223.061	STD8	STD1-Blank	.201563	.948089	09/19/95 01:06:36
Ca	317.900	STD3	STD1-Blank	.315496	.530699	09/19/95 01:06:36
Cd	228.800	STD3	STD1-Blank	.760333	.077773	09/19/95 01:06:36
Ce	418.659	STD5	STD1-Blank	.454345	1.76767	09/19/95 01:06:36
Co	228.600	STD2	STD1-Blank	.850253	.224482	09/19/95 01:06:36
Cr	205.500	STD2	STD1-Blank	.597900	.105425	09/19/95 01:06:36
Cu	324.700	STD2	STD1-Blank	.180392	.325218	09/19/95 01:06:36
Dy	353.170	STD4	STD1-Blank	.957707	.257246	09/19/95 01:06:36
Eu	381.900	STD4	STD1-Blank	.546982	.079466	09/19/95 01:06:36
Fe	259.900	STD2	STD1-Blank	.360788	.204090	09/19/95 01:06:36
K	766.500	STD3	STD1-Blank	.004226	62.1333	09/19/95 01:06:36
La	398.852	STD4	STD1-Blank	.276610	.461781	09/19/95 01:06:36
Li	670.700	STD3	STD1-Blank	.240113	.214760	09/19/95 01:06:36
Mg	279.078	STD2	STD1-Blank	.156018	1.98759	09/19/95 01:06:36
Mn	257.600	STD3	STD1-Blank	.651817	.039275	09/19/95 01:06:36
Mo	202.000	STD2	STD1-Blank	.599600	.181399	09/19/95 01:06:36
Na	588.900	STD2	STD1-Blank	.019007	2.86913	09/19/95 01:06:36
Nd	406.106	STD4	STD1-Blank	.310960	1.51541	09/19/95 01:06:36
Ni	231.600	STD2	STD1-Blank	.285087	.215958	09/19/95 01:06:36
P	214.900	STD3	STD1-Blank	.125956	1.38037	09/19/95 01:06:[illegible]
Pb	220.300	STD2	STD1-Blank	.949438	1.89228	09/19/95 01:06:[illegible]
Pd	360.959	STD9	STD1-Blank	.345875	5.69810	09/19/95 01:06:36
Rh	343.489	STD9	STD1-Blank	.846297	2.31625	09/19/95 01:06:36
Sb	206.838	STD5	STD1-Blank	.277544	1.27163	09/19/95 01:06:36
Se	196.026	STD8	STD1-Blank	.178973	1.17969	09/19/95 01:06:36
Si	288.100	STD7	STD1-Blank	.319680	1.51745	09/19/95 01:06:36
Sn	242.950	STD9	STD1-Blank	.105459	8.55687	09/19/95 01:06:36
Sr	421.500	STD2	STD1-Blank	.835753	.021458	09/19/95 01:06:36
Te	214.275	STD7	STD1-Blank	.883407	1.50437	09/19/95 01:06:36
Th	283.730	STD4	STD1-Blank	.235357	1.29066	09/19/95 01:06:36
Ti	334.900	STD2	STD1-Blank	.723497	.113154	09/19/95 01:06:36
Tl	190.864	STD8	STD1-Blank	.056772	.808502	09/19/95 01:06:36
U	378.280	STD6	STD1-Blank	.101726	21.8525	09/19/95 01:06:36
V	292.402	STD5	STD1-Blank	.612967	.207787	09/19/95 01:06:36
W	224.875	STD9	STD1-Blank	.064748	.611598	09/19/95 01:06:36
Y	371.030	STD5	STD1-Blank	.304933	.106690	09/19/95 01:06:36
Zn	213.800	STD2	STD1-Blank	1.18513	.037492	09/19/95 01:06:36
Zr	339.100	STD2	STD1-Blank	.516609	.201829	09/19/95 01:06:36

Standardization Readback Report Tue 09-19-95 01:12:10 PM page 1

Method: ICP1

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag	328.068	STD1-Blank	.000000	.000000	-.000000
		STD8	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al	308.215	STD1-Blank	.000000	-.000000	.000000
		STD3	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As	193.600	STD1-Blank	.000000	.000000	-.000000
		STD5	100.000	100.000	-.000008
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B	249.600	STD1-Blank	.000000	.000000	-.000000
		STD3	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	STD1-Blank	.000000	.000000	-.000000
		STD2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	STD1-Blank	.000000	-.000000	.000000
		STD7	1.00000	1.00000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	STD1-Blank	.000000	-.000000	.000000
		STD8	100.000	100.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	STD1-Blank	.000000	.000000	-.000000
		STD3	250.000	250.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	STD1-Blank	.000000	.000000	-.000000
		STD3	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	STD1-Blank	.000000	-.000000	.000000
		STD5	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000

Standardization Readback Report Tue 09-19-95 01:12:10 PM page 1

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr	205.500	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu	324.700	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Dy	353.170	STD1-Blank	.000000	-.000000	.000000
		STD4	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Eu	381.900	STD1-Blank	.000000	.000000	-.000000
		STD4	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe	259.900	STD1-Blank	.000000	.000000	-.000000
		STD2	200.000	200.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	STD1-Blank	.000000	-.000001	.000001
		STD3	500.000	500.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La	398.852	STD1-Blank	.000000	-.000000	.000000
		STD4	20.0000	20.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	STD1-Blank	.000000	-.000000	.000000
		STD3	50.0000	50.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg	279.078	STD1-Blank	.000000	.000000	-.000000
		STD2	250.000	250.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn	257.600	STD1-Blank	.000000	.000000	-.000000
		STD3	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo	202.000	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000

Standardization Readback Report Tue 09-19-95 01:12:10 PM page 3

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na	588.900	STD1-Blank	.000000	.000000	-.000000
		STD2	250.000	250.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Nd	406.106	STD1-Blank	.000000	-.000000	.000000
		STD4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni	231.600	STD1-Blank	.000000	-.000000	.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P	214.900	STD1-Blank	.000000	.000000	-.000000
		STD3	100.000	100.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb	220.300	STD1-Blank	.000000	-.000000	.000000
		STD2	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pd	360.959	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Rh	343.489	STD1-Blank	.000000	-.000000	.000000
		STD9	50.0000	50.0000	.000004

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb	206.838	STD1-Blank	.000000	.000000	-.000000
		STD5	100.000	100.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se	196.026	STD1-Blank	.000000	-.000000	.000000
		STD8	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si	288.100	STD1-Blank	.000000	.000000	-.000000
		STD7	200.000	200.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn	242.950	STD1-Blank	.000000	-.000000	.000000
		STD9	50.0000	57.4769	-7.47694

Standardization Readback Report Tue 09-19-95 01:12:10 PM page 7

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	STD1-Blank	.000000	.000000	-.000000
		STD2	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te	214.275	STD1-Blank	.000000	.000000	-.000000
		STD7	50.0000	50.0000	-.000004

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Th	283.730	STD1-Blank	.000000	.000000	-.000000
		STD4	50.0000	50.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti	334.900	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl	190.864	STD1-Blank	.000000	.000000	-.000000
		STD8	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
U	378.280	STD1-Blank	.000000	.000001	-.000001
		STD6	500.000	500.000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V	292.402	STD1-Blank	.000000	.000000	-.000000
		STD5	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W	224.875	STD1-Blank	.000000	.000000	-.000000
		STD9	50.0000	50.6669	-.666901

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y	371.030	STD1-Blank	.000000	.000000	-.000000
		STD5	10.0000	10.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn	213.800	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zr	339.100	STD1-Blank	.000000	-.000000	.000000
		STD2	50.0000	50.0000	.000000

Analysis Report Tue 09-19-95 01:21:47 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/19/95 13:16:14
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

95 0262A SCP1-325-405-1
9/19/95 AB

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	-.0064	-.0054	.0050	-.0003	-.0000	-.0127
SDev	.0002	.0045	.0095	.0003	.0001	.0000	.0086
%RSD	17.57	71.33	177.5	6.700	21.41	4541.	67.77
#1	-.0013	-.0092	.0014	.0046	-.0003	.0000	-.0038
#2	-.0014	-.0011	-.0163	.0051	-.0004	-.0000	-.0210
#3	-.0010	-.0087	-.0012	.0053	-.0003	.0000	-.0133

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	-.0006	-.0161	.0006	-.0006	.0023	-.0007
SDev	.0012	.0008	.0022	.0010	.0007	.0016	.0003
%RSD	57.87	144.6	13.66	159.9	107.7	68.68	41.18
#1	.0027	-.0002	-.0186	-.0005	.0001	.0037	-.0005
#2	.0007	-.0000	-.0149	.0013	-.0009	.0006	-.0011
#3	.0027	-.0015	-.0147	.0010	-.0012	.0026	-.0006

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0012	-.2918	-.0010	-.0008	.0017	.0002
SDev	.0002	.0008	.1118	.0015	.0005	.0037	.0002
%RSD	268.5	64.36	38.32	156.0	57.91	218.6	92.71
#1	.0001	-.0005	-.1656	.0008	-.0011	.0052	.0002
#2	-.0002	-.0021	-.3786	-.0020	-.0011	.0020	.0001
#3	-.0001	-.0011	-.3313	-.0018	-.0003	-.0022	.0005

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	-.0138	-.0078	-.0004	-.0201	-.0107	.0101
SDev	.0006	.0185	.0024	.0016	.0154	.0034	.0087
%RSD	98.27	133.4	31.29	371.9	76.43	31.54	85.52
#1	.0004	-.0332	-.0061	-.0020	-.0075	-.0072	.0145
#2	.0001	-.0120	-.0106	-.0005	-.0372	-.0140	.0002
#3	.0013	.0036	-.0068	.0012	-.0156	-.0108	.0158

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0062	-.0008	-.0015	.0997	-.0034	.0002	-.0006
SDev	.0041	.0103	.0083	.0035	.0389	.0001	.0074
%RSD	66.51	1340.	561.8	3.513	1133.	27.08	1254.
#1	-.0104	-.0080	.0022	.1022	.0415	.0002	.0071
#2	-.0059	.0110	-.0110	.1013	-.0249	.0002	-.0077
#3	-.0022	-.0053	.0044	.0957	-.0268	.0003	-.0012

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0003	.0061	-.0958	-.0008	-.0013	-.0005
SDev	.0065	.0003	.0083	.0348	.0005	.0055	.0002

Analysis Report Tue 09-19-95 01:21:47 PM page

%RSD	889.0	78.52	134.9	36.38	70.33	430.2	41.45
#1	.0040	-.0004	.0054	-.0797	-.0002	.0003	-.0007
#2	-.0068	-.0005	.0148	-.1357	-.0012	-.0074	-.0003
#3	.0050	-.0000	-.0018	-.0719	-.0010	.0033	-.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0005	-.0009
SDev	.0007	.0002
%RSD	143.7	20.06
#1	-.0004	-.0009
#2	-.0013	-.0007
#3	.0001	-.0010

Analysis Report QC Standard Tue 09-19-95 01:24:49 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS

Run Time: 09/19/95 13:23:30

Comment: BY-108 POST SPIKE CHECK RUN

Mode: CONC Corr. Factor: 1

PASS DLG 9/19

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4707	24.77	2.520	1.971	.5191	.0918	23.83
SDev	.0015	.14	.007	.015	.0031	.0003	.10
%RSD	.3256	.5731	.2872	.7730	.5893	.3786	.4191
#1	.4724	24.83	2.526	1.972	.5210	.0921	23.82
#2	.4700	24.87	2.522	1.985	.5208	.0919	23.93
#3	.4696	24.61	2.512	1.955	.5156	.0914	23.73
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.55	.4863	-.0507	1.015	1.022	1.003	-.0023
SDev	.04	.0035	.0065	.001	.003	.005	.0005
%RSD	.1457	.7237	12.85	.1297	.2682	.5122	22.35
#1	24.58	.4904	-.0543	1.017	1.024	1.006	-.0023
#2	24.56	.4844	-.0546	1.015	1.019	1.006	-.0028
#3	24.51	.4842	-.0431	1.014	1.023	.9969	-.0018
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	20.30	26.41	.0051	2.085	26.13	.5058
SDev	.0003	.06	.23	.0012	.025	.10	.0009
%RSD	22.09	.2891	.8548	22.61	1.197	.3725	.1707
#1	.0011	20.34	26.26	.0047	2.091	26.20	.5065
#2	.0011	20.33	26.67	.0042	2.106	26.17	.5059
#3	.0016	20.24	26.29	.0064	2.057	26.02	.5048
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.035	26.44	-.0027	1.036	.0002	2.523	-.0483
SDev	.005	.30	.0078	.009	.0103	.002	.0149
%RSD	.4776	1.124	290.0	.9174	5069.	.0899	30.74
#1	1.041	26.44	-.0116	1.030	.0120	2.522	-.0454
#2	1.032	26.74	.0007	1.030	-.0061	2.521	-.0644
#3	1.032	26.15	.0029	1.047	-.0053	2.526	-.0352
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Tue 09-19-95 01:24:49 PM page 1

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0173	2.533	2.394	18.09	.1517	.5246	-.0024
SDev	.0025	.005	.005	.05	.0324	.0029	.0048
%RSD	14.31	.1923	.2154	.2694	21.38	.5490	196.6
#1	-.0191	2.528	2.393	18.12	.1763	.5261	-.0071
#2	-.0182	2.533	2.389	18.12	.1150	.5264	-.0027
#3	-.0145	2.538	2.399	18.03	.1639	.5213	.0025
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0434	1.010	2.419	-.1971	.9835	.0210	-.0007
SDev	.0097	.004	.005	.0978	.0031	.0098	.0001
%RSD	22.33	.3823	.2100	49.62	.3186	46.82	19.60
#1	.0346	1.013	2.416	-.1778	.9867	.0168	-.0006
#2	.0538	1.012	2.425	-.3031	.9834	.0140	-.0009
#3	.0417	1.006	2.417	-.1104	.9804	.0323	-.0007
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	.9869	2.069
SDev	.0047	.009
%RSD	.4717	.4142
#1	.9841	2.073
#2	.9923	2.074
#3	.9844	2.059
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Tue 09-19-95 01:28:29 PM page 1

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/19/95 13:27:10
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

Pd,U,V-Fail
NH4 for recov. DRS
9/19/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0168	.0300	.0441	.0045	.0000	-.0000	.0115
SDev	.0001	.0010	.0050	.0031	.0001	.0000	.0134
%RSD	.7432	3.331	11.39	68.21	1275.	15.06	116.6
#1	.0169	.0303	.0460	.0031	-.0001	-.0000	.0261
#2	.0166	.0289	.0480	.0080	.0000	-.0000	.0088
#3	.0168	.0308	.0385	.0024	.0001	-.0000	-.0003
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	-.0002	2.038	.0027	.0015	-.0028	2.044
SDev	.0008	.0019	.005	.0005	.0022	.0010	.004
%RSD	17.53	1209.	.2319	18.16	144.8	36.17	.1939
#1	.0045	.0001	2.033	.0028	.0011	-.0019	2.043
#2	.0054	.0016	2.039	.0032	-.0004	-.0025	2.040
#3	.0038	-.0022	2.042	.0022	.0039	-.0039	2.048
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.026	.0045	.0552	2.019	.0010	.1612	.0009
SDev	.004	.0003	.0595	.003	.0015	.0047	.0001
%RSD	.2046	7.772	107.9	.1254	146.3	2.936	7.619
#1	2.024	.0046	-.0000	2.018	-.0006	.1602	.0009
#2	2.023	.0049	.1183	2.017	.0014	.1663	.0009
#3	2.031	.0042	.0473	2.022	.0023	.1570	.0010
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0322	2.020	.0048	-.0244	.0650	Q3.094
SDev	.0011	.0212	.010	.0007	.0016	.0035	.021
%RSD	345.2	65.85	.4800	14.33	6.440	5.335	.6905
#1	-.0006	.0445	2.014	.0041	-.0231	.0655	Q3.090
#2	.0016	.0077	2.016	.0048	-.0262	.0613	Q3.074
#3	.0000	.0444	2.032	.0054	-.0240	.0682	Q3.117
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail
Value			2.000				2.000

Analysis Report QC Standard Tue 09-19-95 01:28:29 PM page

Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.073	.0191	.0010	.1466	2.181	.0006	1.836
SDev	.008	.0045	.0075	.0060	.008	.0000	.004
%RSD	.3952	23.71	727.1	4.084	.3723	.9592	.2232
#1	2.065	.0153	-.0034	.1402	2.174	.0006	1.832
#2	2.081	.0179	.0096	.1521	2.190	.0006	1.840
#3	2.072	.0241	-.0031	.1475	2.180	.0005	1.837
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	2.000				2.000		2.000
Range	10.00				10.00		10.00

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.211	.0013	.0176	Q8.463	-.0020	Q.5138	1.005
SDev	.010	.0001	.0149	.050	.0009	.0042	.001
%RSD	.1942	8.968	84.69	.5966	45.21	.8155	.1113
#1	5.203	.0012	.0168	Q8.445	-.0024	Q.5186	1.003
#2	5.222	.0014	.0031	Q8.424	-.0010	Q.5107	1.005
#3	5.207	.0012	.0328	Q8.520	-.0027	Q.5122	1.006
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	QC Pass
Value	5.000			10.00		2.000	1.000
Range	10.00			10.00		10.00	10.00

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0022	.0129
SDev	.0012	.0011
%RSD	53.18	8.668
#1	.0029	.0130
#2	.0029	.0118
#3	.0009	.0140
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report Tue 09-19-95 01:33:03 PM page 1

Method: ICP1 Sample Name: SST-ICS-2 9509081102 Operator: DRS
Run Time: 09/19/95 13:31:43
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0688	95.23	.0897	.0142	.0024	.0002	.1379
SDev	.0006	.67	.0121	.0007	.0001	.0000	.0188
%RSD	.8248	.7085	13.45	5.055	6.232	24.76	13.64
#1	.0682	96.01	.0763	.0149	.0025	.0001	.1411
#2	.0693	94.90	.0929	.0134	.0022	.0002	.1177
#3	.0691	94.79	.0998	.0142	.0025	.0002	.1549

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0498	.0147	-.0397	.0130	.0286	-.0230	.0077
SDev	.0020	.0014	.0076	.0005	.0036	.0018	.0009
%RSD	3.937	9.694	19.05	3.826	12.44	7.790	12.05
#1	.0477	.0149	-.0476	.0128	.0253	-.0245	.0069
#2	.0502	.0132	-.0390	.0126	.0282	-.0233	.0075
#3	.0516	.0160	-.0325	.0136	.0324	-.0210	.0088

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	19.09	4317.	.0271	.0108	.6538	.0044
SDev	.0003	.10	34.	.0011	.0005	.0054	.0002
%RSD	5.387	.5263	.7801	4.038	4.490	.8336	4.677
#1	.0044	19.20	4356.	.0258	.0113	.6486	.0042
#2	.0048	19.02	4302.	.0279	.0105	.6595	.0045
#3	.0049	19.04	4293.	.0275	.0105	.6532	.0045

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0072	.3882	.0578	50.36	.0435	.3163	.1089
SDev	.0015	.0246	.0066	.24	.0214	.0059	.0165
%RSD	20.42	6.329	11.51	.4756	49.11	1.879	15.15
#1	.0060	.3736	.0503	50.61	.0203	.3109	.0899
#2	.0088	.3745	.0601	50.14	.0480	.3154	.1189
#3	.0067	.4166	.0630	50.33	.0623	.3226	.1179

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1401	.1040	.0530	.3409	1.176	.0011	.0862
SDev	.0107	.0072	.0115	.0063	.031	.0001	.0037
%RSD	7.637	6.910	21.76	1.848	2.630	8.175	4.350
#1	.1288	.0963	.0411	.3469	1.150	.0010	.0889
#2	.1413	.1052	.0641	.3413	1.167	.0012	.0820
#3	.1501	.1105	.0540	.3343	1.210	.0012	.0879

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8118	.0080	.2284	43.24	.0152	.0627	.0083
SDev	.0057	.0006	.0067	.27	.0009	.0111	.0005

Analysis Report Tue 09-19-95 01:33:03 PM page

%RSD	.6997	8.181	2.918	.6285	6.048	17.74	6.260
#1	.8171	.0072	.2209	43.55	.0141	.0527	.0077
#2	.8058	.0084	.2310	43.09	.0158	.0747	.0086
#3	.8125	.0083	.2334	43.08	.0156	.0607	.0086

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0131	9.565
SDev	.0032	.058
%RSD	24.20	.6029
#1	.0166	9.631
#2	.0104	9.530
#3	.0123	9.533

Analysis Report Tue 09-19-95 01:37:13 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/19/95 13:35:53
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0035	-.0067	.0007	-.0001	-.0000	-.0043
SDev	.0003	.0048	.0028	.0007	.0001	.0000	.0049
%RSD	45.91	137.5	41.28	100.9	56.37	175.7	114.2
#1	-.0011	.0013	-.0090	.0013	-.0002	-.0000	-.0078
#2	-.0007	.0002	-.0074	.0000	-.0002	.0000	-.0064
#3	-.0004	.0089	-.0036	.0006	-.0000	-.0000	.0013

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	-.0006	.0007	.0007	-.0001	.0019	.0001
SDev	.0005	.0032	.0035	.0006	.0014	.0004	.0011
%RSD	12.63	586.1	526.7	77.58	2404.	19.87	772.1
#1	.0033	-.0028	.0003	.0001	.0011	.0015	-.0011
#2	.0042	-.0019	-.0026	.0011	.0003	.0019	.0006
#3	.0041	.0031	.0044	.0009	-.0016	.0022	.0010

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0003	.0079	.0001	-.0007	.0108	.0002
SDev	.0002	.0005	.0985	.0017	.0007	.0046	.0003
%RSD	249.1	205.4	1249.	1330.	103.6	42.17	148.1
#1	.0001	-.0008	-.0710	-.0018	-.0011	.0071	-.0001
#2	-.0001	.0002	-.0237	.0006	-.0011	.0159	.0005
#3	.0002	-.0002	.1183	.0015	.0001	.0094	.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	-.0053	-.0003	.0029	.0238	-.0027	.0169
SDev	.0005	.0248	.0049	.0003	.0246	.0054	.0064
%RSD	53.21	470.7	1847.	10.95	103.6	204.0	38.01
#1	.0004	-.0332	-.0059	.0026	.0118	-.0033	.0222
#2	.0009	.0035	.0020	.0029	.0074	.0031	.0098
#3	.0014	.0139	.0031	.0032	.0521	-.0077	.0186

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0090	.0044	.0318	.0416	.0003	.0069
SDev	.0070	.0095	.0153	.0037	.0280	.0000	.0093
%RSD	1356.	105.6	347.2	11.53	67.22	1.876	134.2
#1	-.0083	.0043	.0195	.0282	.0158	.0003	-.0030
#2	.0053	.0200	.0049	.0317	.0377	.0003	.0154
#3	.0014	.0028	-.0111	.0355	.0714	.0003	.0084

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	-.0001	.0065	-.0113	-.0003	-.0010	-.0005
SDev	.0087	.0003	.0053	.0653	.0001	.0093	.0003

Analysis Report

Tue 09-19-95 01:37:13 PM

page

%RSD	260.4	382.2	82.34	577.9	17.84	952.7	62.55
#1	-.0044	-.0005	.0023	-.0556	-.0003	-.0090	-.0007
#2	.0127	.0001	.0125	-.0420	-.0003	-.0031	-.0007
#3	.0017	.0001	.0046	.0637	-.0004	.0092	-.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0002	-.0002
SDev	.0009	.0006
%RSD	377.3	372.9
#1	-.0009	.0004
#2	-.0006	-.0008
#3	.0008	-.0001

Analysis Report Tue 09-19-95 01:40:59 PM page 1

Method: ICP1 Sample Name: FIRST SAMP PREP BLK@5 Operator: DRS
Run Time: 09/19/95 13:39:40
Comment: KOH/Ni PREP BLANK 9507941-HCB 65% OIL
Mode: CONC Corr. Factor: 1 DS 9/19/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0085	.2250	.0371	.0814	.0028	.0001	.0329
SDev	.0015	.0058	.0071	.0026	.0001	.0001	.0006
%RSD	18.05	2.592	19.21	3.230	5.366	37.53	1.900
#1	.0072	.2314	.0447	.0839	.0027	.0001	.0327
#2	.0102	.2237	.0306	.0787	.0030	.0001	.0324
#3	.0082	.2199	.0360	.0817	.0027	.0002	.0336

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0730	.0044	.0422	.0110	.0095	-.0049	.0058
SDev	.0022	.0014	.0075	.0018	.0009	.0015	.0014
%RSD	3.012	32.14	17.84	15.95	9.641	29.40	24.46
#1	.0704	.0050	.0349	.0094	.0086	-.0051	.0047
#2	.0741	.0028	.0499	.0129	.0094	-.0034	.0074
#3	.0744	.0054	.0419	.0108	.0104	-.0063	.0052

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.1354	2187.	.0126	.0265	.0512	.0409
SDev	.0004	.0021	25.	.0022	.0010	.0017	.0003
%RSD	22.44	1.557	1.149	17.28	3.951	3.308	.7855
#1	.0013	.1372	2206.	.0118	.0255	.0510	.0409
#2	.0019	.1331	2159.	.0151	.0276	.0496	.0406
#3	.0020	.1360	2196.	.0109	.0264	.0529	.0412

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0076	1.000	.0365	4.806	.0453	.0696	.1236
SDev	.0003	.015	.0067	.042	.0138	.0100	.0218
%RSD	4.212	1.506	18.44	.8826	30.56	14.34	17.61
#1	.0076	.9915	.0294	4.835	.0293	.0652	.1073
#2	.0079	1.018	.0428	4.757	.0533	.0811	.1483
#3	.0072	.9913	.0373	4.824	.0533	.0626	.1152

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0704	.0383	.0393	.4233	.2588	.0016	.0468
SDev	.0113	.0009	.0018	.0066	.0536	.0001	.0066
%RSD	16.08	2.457	4.621	1.547	20.72	7.114	14.00
#1	.0647	.0383	.0394	.4244	.2177	.0015	.0450
#2	.0835	.0393	.0410	.4163	.3194	.0017	.0540
#3	.0631	.0374	.0374	.4293	.2392	.0016	.0413

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0124	.0494	.0311	.4808	.0054	.0273	.0018
SDev	.0038	.0001	.0058	.0702	.0006	.0092	.0003

%RSD	30.65	.2208	18.75	14.60	11.97	33.85	15.07
#1	.0090	.0495	.0259	.4238	.0050	.0182	.0016
#2	.0117	.0495	.0374	.5592	.0062	.0269	.0021
#3	.0165	.0493	.0301	.4594	.0052	.0367	.0019

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0098	.0301
SDev	.0009	.0006
%RSD	9.350	2.084
#1	.0109	.0299
#2	.0094	.0307
#3	.0091	.0295

Analysis Report Tue 09-19-95 01:44:44 PM page 1

Method: ICP1 Sample Name: 2ND SAMPLE PREP BLK Operator: DRS
Run Time: 09/19/95 13:43:24
Comment: KOH/Ni PREP BLANK 9507941-HCB POST SPIKE @ 5x DIL
DM 9/19/95
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1203	14.04	.5386	.4496	.0943	.0179	4.646
SDev	.0015	.11	.0057	.0094	.0008	.0001	.039
%RSD	1.257	.8105	1.050	2.081	.7956	.5780	.8499
#1	.1193	13.92	.5381	.4418	.0936	.0178	4.615
#2	.1195	14.15	.5445	.4600	.0951	.0180	4.691
#3	.1220	14.04	.5332	.4471	.0940	.0178	4.633

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.433	.3456	.0570	.2079	1.637	.1846	.0055
SDev	.059	.0011	.0022	.0003	.023	.0013	.0005
%RSD	.6222	.3294	3.800	.1205	1.404	.7002	9.719
#1	9.373	.3458	.0561	.2080	1.615	.1853	.0058
#2	9.490	.3467	.0554	.2081	1.660	.1855	.0049
#3	9.434	.3444	.0594	.2076	1.635	.1831	.0058

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	3.962	2162.	.0232	.3646	5.306	.2321
SDev	.0002	.028	19.	.0008	.0054	.043	.0018
%RSD	7.548	.7092	.8561	3.233	1.482	.8161	.7757
#1	.0032	3.935	2142.	.0236	.3592	5.260	.2304
#2	.0028	3.991	2179.	.0223	.3700	5.346	.2340
#3	.0032	3.962	2164.	.0237	.3646	5.312	.2320

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2022	20.06	.0533	9.821	.0852	5.606	.1321
SDev	.0016	.20	.0056	.055	.0267	.026	.0202
%RSD	.7914	.9874	10.42	.5635	31.41	.4657	15.32
#1	.2006	19.84	.0558	9.769	.1122	5.583	.1398
#2	.2022	20.23	.0470	9.879	.0846	5.635	.1092
#3	.2038	20.12	.0572	9.817	.0587	5.601	.1474

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0974	.5468	.5135	13.42	.5832	.0942	.0604
SDev	.0076	.0009	.0058	.12	.0204	.0009	.0043
%RSD	7.825	.1744	1.126	.8781	3.500	.9501	7.042
#1	.1025	.5474	.5070	13.30	.5849	.0934	.0650
#2	.0886	.5457	.5156	13.53	.5620	.0951	.0594
#3	.1010	.5473	.5180	13.43	.6028	.0941	.0566

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3140	.2369	.5215	17.80	.1922	.0298	.0045
SDev	.0054	.0023	.0097	.11	.0008	.0085	.0002

%RSD	1.734	.9858	1.868	.6156	.4427	28.52	5.355
#1	.3197	.2346	.5288	17.69	.1914	.0284	.0046
#2	.3089	.2393	.5253	17.91	.1931	.0221	.0042
#3	.3133	.2368	.5104	17.79	.1919	.0390	.0046

Elem	Zn	Zr
Units	ppm	ppm
Avge	.2065	.8651
SDev	.0035	.0084
%RSD	1.698	.9756
#1	.2025	.8565
#2	.2090	.8733
#3	.2079	.8655

Analysis Report Tue 09-19-95 01:48:15 PM page 1

Method: ICP1 Sample Name: 3RD SAMP SAMPLE @5 Operator: DRS
Run Time: 09/19/95 13:46:56
Comment: KOH/Ni 95-007941-H1T @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	29.11	.0358	.0889	.0058	.0002	.0833
SDev	.0002	.06	.0036	.0040	.0001	.0000	.0156
%RSD	2.279	.2040	9.948	4.452	2.295	20.85	18.72
#1	.0081	29.12	.0362	.0934	.0058	.0002	.0864
#2	.0085	29.16	.0392	.0873	.0056	.0002	.0664
#3	.0083	29.05	.0321	.0860	.0059	.0002	.0972

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1505	.0050	.0415	.0136	.0279	.0032	.0071
SDev	.0014	.0018	.0036	.0014	.0018	.0006	.0006
%RSD	.9366	36.40	8.603	10.49	6.561	19.55	8.916
#1	.1489	.0047	.0379	.0123	.0261	.0038	.0065
#2	.1510	.0070	.0415	.0135	.0297	.0031	.0070
#3	.1516	.0034	.0450	.0151	.0278	.0026	.0078

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.3229	2196.	.0125	.0243	.1148	.0661
SDev	.0003	.0012	4.	.0005	.0008	.0013	.0003
%RSD	14.76	.3613	.1735	4.088	3.431	1.116	.4514
#1	.0016	.3215	2194.	.0121	.0234	.1149	.0658
#2	.0017	.3237	2200.	.0131	.0243	.1160	.0664
#3	.0021	.3234	2193.	.0124	.0251	.1134	.0661

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	21.67	.0391	21.23	4.984	.0901	.1388
SDev	.0009	.10	.0037	.06	.042	.0005	.0097
%RSD	15.58	.4485	9.417	.2858	.8475	.5104	6.969
#1	.0046	21.61	.0348	21.25	4.954	.0905	.1354
#2	.0059	21.78	.0410	21.27	4.966	.0903	.1313
#3	.0063	21.61	.0414	21.16	5.033	.0896	.1497

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0677	.0521	.0149	1.476	.3047	.0062	.0421
SDev	.0057	.0132	.0074	.003	.0178	.0001	.0049
%RSD	8.470	25.39	49.90	.2323	5.855	1.131	11.69
#1	.0611	.0369	.0109	1.472	.2895	.0063	.0398
#2	.0700	.0606	.0235	1.477	.3243	.0062	.0387
#3	.0719	.0589	.0103	1.479	.3002	.0061	.0477

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0119	.0784	.0899	.5848	.0139	.0303	.0020
SDev	.0049	.0003	.0061	.0237	.0004	.0030	.0002

%RSD	41.44	.4211	6.822	4.048	2.746	9.852	8.510
#1	.0108	.0786	.0831	.5577	.0135	.0273	.0018
#2	.0077	.0780	.0917	.6011	.0141	.0302	.0021
#3	.0173	.0786	.0950	.5957	.0142	.0333	.0021

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0219	.0372
SDev	.0004	.0005
%RSD	2.065	1.312
#1	.0221	.0366
#2	.0221	.0376
#3	.0213	.0373

Analysis Report Tue 09-19-95 01:51:57 PM page 1

Method: ICP1 Sample Name: 4TH SAMP PS @5 Operator: DRS
Run Time: 09/19/95 13:50:38
Comment: KDH/Ni 95-007941-H1T-PS @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1230	42.74	.5658	.4635	.0997	.0184	4.821
SDev	.0015	.41	.0066	.0066	.0010	.0002	.053
%RSD	1.230	.9690	1.170	1.414	1.034	.9460	1.104
#1	.1219	42.27	.5592	.4560	.0985	.0182	4.772
#2	.1247	42.95	.5725	.4682	.1002	.0185	4.815
#3	.1224	43.01	.5657	.4664	.1004	.0185	4.878

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.836	.3483	.0488	.2137	1.701	.1957	.0057
SDev	.081	.0064	.0040	.0011	.016	.0011	.0002
%RSD	.8229	1.834	8.216	.5198	.9456	.5583	4.173
#1	9.742	.3424	.0470	.2125	1.686	.1950	.0060
#2	9.883	.3474	.0534	.2145	1.718	.1970	.0055
#3	9.882	.3551	.0460	.2143	1.700	.1952	.0058

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	4.246	2169.	.0216	.3734	5.477	.2623
SDev	.0002	.033	22.	.0008	.0027	.056	.0017
%RSD	6.799	.7887	1.035	3.725	.7130	1.018	.6627
#1	.0025	4.207	2143.	.0219	.3703	5.413	.2606
#2	.0029	4.265	2183.	.0222	.3753	5.505	.2641
#3	.0026	4.265	2181.	.0207	.3745	5.514	.2621

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2022	40.64	.0496	25.94	4.927	5.757	.1156
SDev	.0024	.50	.0044	.20	.070	.048	.0153
%RSD	1.166	1.230	8.815	.7891	1.420	.8268	13.22
#1	.1994	40.07	.0545	25.71	4.850	5.705	.1325
#2	.2034	40.98	.0459	26.08	4.944	5.799	.1027
#3	.2037	40.88	.0485	26.03	4.986	5.766	.1118

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0911	.5840	.5156	14.84	.5849	.1015	.0608
SDev	.0075	.0083	.0134	.18	.0180	.0009	.0015
%RSD	8.174	1.421	2.593	1.213	3.076	.8792	2.410
#1	.0944	.5754	.5009	14.63	.5812	.1005	.0608
#2	.0964	.5920	.5188	14.92	.6045	.1021	.0623
#3	.0826	.5846	.5270	14.97	.5691	.1021	.0594

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3263	.2696	.5852	18.23	.2044	.0416	.0040
SDev	.0150	.0022	.0083	.08	.0017	.0120	.0003

%RSD	4.600	.8005	1.427	.4442	.8170	28.97	7.485
#1	.3160	.2672	.5850	18.14	.2028	.0494	.0037
#2	.3435	.2705	.5936	18.23	.2061	.0476	.0043
#3	.3194	.2712	.5769	18.30	.2043	.0277	.0040

Elem	Zn	Zr
Units	ppm	ppm
Avge	.2222	.8996
SDev	.0022	.0071
%RSD	.9727	.7860
#1	.2217	.8915
#2	.2204	.9029
#3	.2246	.9044

Analysis Report QC Standard Tue 09-19-95 01:55:50 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/19/95 13:54:31
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

Fail-Si low DB 9/19/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4716	24.54	2.507	1.944	.5081	.0901	23.67
SDev	.0009	.07	.027	.014	.0021	.0003	.04
%RSD	.1896	.2731	1.078	.7274	.4192	.2817	.1676
#1	.4719	24.59	2.530	1.958	.5098	.0904	23.70
#2	.4706	24.56	2.514	1.944	.5087	.0901	23.69
#3	.4723	24.46	2.477	1.930	.5057	Q.0899	23.63
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.48	.4902	-.0224	1.011	1.007	.9845	.0012
SDev	.03	.0024	.0014	.002	.004	.0042	.0005
%RSD	.1344	.4894	6.279	.1854	.4054	.4292	41.56
#1	24.52	.4900	-.0237	1.011	1.005	.9893	.0010
#2	24.46	.4927	-.0227	1.009	1.011	.9830	.0008
#3	24.46	.4879	-.0209	1.012	1.003	.9812	.0017
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	20.08	27.12	.0104	2.053	26.00	.5002
SDev	.0002	.05	.05	.0011	.013	.05	.0008
%RSD	8.516	.2244	.2015	10.96	.6527	.1838	.1620
#1	.0022	20.12	27.09	.0115	2.052	26.05	.5011
#2	.0020	20.07	27.19	.0092	2.068	26.01	.4997
#3	.0023	20.03	27.09	.0106	2.041	25.95	.4997
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.022	26.33	.0170	1.037	.0360	2.555	.0243
SDev	.001	.16	.0026	.006	.0103	.022	.0110
%RSD	.0893	.6023	15.59	.5586	28.56	.8619	45.20
#1	1.023	26.31	.0187	1.037	.0242	2.544	.0168
#2	1.023	26.50	.0183	1.031	.0426	2.541	.0191
#3	1.021	26.18	.0139	1.042	.0413	2.581	.0368
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Tue 09-19-95 01:55:50 PM page 1

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0128	2.515	2.371	Q17.96	.2407	.5142	.0098
SDev	.0045	.014	.007	.04	.0218	.0018	.0024
%RSD	35.37	.5398	.2994	.2068	9.067	.3531	24.28
#1	.0153	2.524	2.363	18.00	.2333	.5155	.0106
#2	.0075	2.500	2.375	Q17.97	.2236	.5150	.0116
#3	.0154	2.522	2.375	Q17.93	.2653	.5121	.0071
Errors	NOCHECK	QC Pass	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0375	.9957	2.412	.1191	.9726	.0223	.0003
SDev	.0021	.0029	.027	.0576	.0018	.0040	.0004
%RSD	5.566	.2908	1.102	48.35	.1850	17.78	143.5
#1	.0353	.9984	2.382	.0560	.9738	.0208	.0005
#2	.0380	.9961	2.433	.1325	.9735	.0193	-.0002
#3	.0394	.9926	2.420	.1688	.9706	.0268	.0005
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	.9895	2.038
SDev	.0011	.006
%RSD	.1094	.3188
#1	.9896	2.045
#2	.9906	2.038
#3	.9883	2.032
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Tue 09-19-95 01:58:51 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/19/95 13:57:32
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

PASS DWB 9/19/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4780	24.81	2.533	1.975	.5139	.0911	23.94
SDev	.0005	.09	.014	.011	.0024	.0004	.09
%RSD	.1063	.3493	.5711	.5362	.4617	.4368	.3558
#1	.4783	24.91	2.524	1.987	.5167	.0916	24.01
#2	.4783	24.75	2.525	1.969	.5124	.0908	23.84
#3	.4774	24.78	2.549	1.968	.5127	.0910	23.97
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.75	.4924	-.0322	1.023	1.022	.9972	.0012
SDev	.06	.0052	.0061	.002	.010	.0035	.0007
%RSD	.2479	1.052	18.88	.2427	1.006	.3527	57.10
#1	24.82	.4917	-.0392	1.026	1.033	1.001	.0004
#2	24.70	.4876	-.0285	1.022	1.017	.9967	.0016
#3	24.73	.4979	-.0289	1.022	1.014	.9940	.0017
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	20.29	26.82	.0105	2.057	26.27	.5054
SDev	.0000	.06	.17	.0008	.009	.07	.0005
%RSD	1.638	.3003	.6258	7.826	.4479	.2828	.0955
#1	.0022	20.36	26.64	.0098	2.050	26.35	.5060
#2	.0021	20.25	26.86	.0103	2.054	26.20	.5050
#3	.0021	20.26	26.97	.0114	2.068	26.26	.5053
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.035	26.32	.0168	1.051	.0492	2.571	.0117
SDev	.004	.12	.0021	.009	.0114	.006	.0067
%RSD	.4005	.4471	12.80	.8924	23.21	.2288	57.12
#1	1.039	26.27	.0151	1.055	.0469	2.577	.0059
#2	1.031	26.24	.0160	1.040	.0392	2.565	.0102
#3	1.036	26.46	.0192	1.057	.0617	2.569	.0190
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Tue 09-19-95 01:58:51 PM page 2

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0130	2.564	2.415	18.15	.2445	.5204	.0110
SDev	.0035	.014	.018	.04	.0457	.0020	.0100
%RSD	27.08	.5576	.7502	.1960	18.68	.3891	90.81
#1	.0095	2.547	2.435	18.19	.2026	.5227	.0007
#2	.0165	2.572	2.399	18.12	.2376	.5190	.0207
#3	.0129	2.572	2.411	18.15	.2932	.5194	.0117
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0439	1.007	2.449	.0989	.9833	.0301	.0004
SDev	.0023	.004	.023	.0828	.0037	.0024	.0001
%RSD	5.207	.3505	.9370	83.72	.3811	7.920	38.76
#1	.0465	1.011	2.473	.0033	.9874	.0297	.0002
#2	.0431	1.005	2.427	.1472	.9801	.0279	.0005
#3	.0421	1.005	2.448	.1463	.9824	.0327	.0005
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	.9986	2.061
SDev	.0050	.009
%RSD	.4997	.4332
#1	.9950	2.071
#2	1.004	2.055
#3	.9965	2.057
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Tue 09-19-95 02:02:32 PM page 1

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/19/95 14:01:12
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

Sn-low 11/1/95 RSD Y 9/C

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0220	.0666	.0726	.0050	.0008	.0000	.0191
SDev	.0010	.0103	.0109	.0006	.0001	.0000	.0056
%RSD	4.580	15.40	14.99	12.19	17.03	2.618	29.04
#1	.0220	.0681	.0820	.0056	.0008	.0000	.0166
#2	.0210	.0556	.0607	.0044	.0007	.0000	.0255
#3	.0230	.0760	.0752	.0050	.0009	.0000	.0153
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0128	.0005	2.071	.0059	.0015	.0001	2.039
SDev	.0007	.0011	.010	.0013	.0020	.0026	.022
%RSD	5.357	217.6	.4925	21.37	138.5	3141.	1.079
#1	.0129	-.0004	2.071	.0073	-.0006	.0017	2.030
#2	.0121	.0018	2.081	.0049	.0016	-.0029	2.064
#3	.0134	.0001	2.060	.0055	.0034	.0014	2.022
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.027	.0088	.6073	2.034	.0034	.1923	.0012
SDev	.020	.0004	.2274	.018	.0013	.0117	.0001
%RSD	1.005	4.625	37.44	.8692	37.66	6.062	6.518
#1	2.021	.0093	.5679	2.030	.0048	.2046	.0011
#2	2.049	.0085	.4022	2.053	.0023	.1814	.0013
#3	2.010	.0087	.8518	2.018	.0031	.1909	.0011
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.0861	2.040	.0062	.0062	.0830	Q3.155
SDev	.0014	.0321	.015	.0017	.0177	.0163	.018
%RSD	43.82	37.29	.7272	28.02	284.1	19.60	.5826
#1	.0045	.0703	2.037	.0054	.0256	.0947	Q3.139
#2	.0017	.0649	2.056	.0082	.0023	.0644	Q3.175
#3	.0031	.1230	2.027	.0050	-.0092	.0900	Q3.150
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail
Value			2.000				2.000

Analysis Report QC Standard Tue 09-19-95 02:02:32 PM page 2

Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.132	.0249	.0135	.1409	Q2.383	.0009	1.879
SDev	.010	.0152	.0120	.0012	.027	.0001	.015
%RSD	.4557	60.90	88.63	.8702	1.135	8.084	.7869
#1	2.129	.0422	.0187	.1405	Q2.375	.0009	1.863
#2	2.143	.0138	-.0002	.1399	Q2.414	.0008	1.893
#3	2.124	.0187	.0220	.1423	Q2.362	.0009	1.880
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Pass
Value	2.000				2.000		2.000
Range	10.00				10.00		10.00

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.272	.0027	.0220	Q8.609	.0007	Q.5316	1.009
SDev	.029	.0003	.0056	.020	.0011	.0124	.008
%RSD	.5579	11.39	25.40	.2327	166.3	2.336	.7950
#1	5.275	.0027	.0161	Q8.627	.0008	Q.5203	1.006
#2	5.300	.0024	.0271	Q8.588	-.0005	Q.5449	1.019
#3	5.241	.0030	.0228	Q8.612	.0017	Q.5296	1.004
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	QC Pass
Value	5.000			10.00		2.000	1.000
Range	10.00			10.00		10.00	10.00

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0018	.0093
SDev	.0005	.0015
%RSD	29.52	15.67
#1	.0019	.0077
#2	.0022	.0103
#3	.0012	.0100
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report Tue 09-19-95 02:06:12 PM page 1

Method: ICP1 Sample Name: SST-ICS-1 950908I101 Operator: DRS
Run Time: 09/19/95 14:04:52
Comment: KOH/Ni 95-007941-H1T-PS @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0630	93.15	.0990	.0106	.0017	.0001	.1242
SDev	.0020	1.49	.0145	.0014	.0005	.0001	.0046
%RSD	3.143	1.598	14.66	13.14	30.14	30.91	3.693
#1	.0618	93.92	.1116	.0094	.0013	.0001	.1206
#2	.0620	94.10	.0831	.0122	.0015	.0001	.1293
#3	.0653	91.44	.1023	.0103	.0023	.0002	.1226

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0428	.0153	-.0344	.0114	.0284	.0179	.0073
SDev	.0017	.0011	.0191	.0017	.0020	.0024	.0016
%RSD	3.906	7.351	55.54	15.27	7.153	13.38	22.07
#1	.0409	.0165	-.0525	.0103	.0268	.0164	.0058
#2	.0432	.0142	-.0364	.0105	.0277	.0167	.0071
#3	.0442	.0152	-.0144	.0134	.0306	.0207	.0090

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	18.27	1.388	.0272	.0167	.6212	.0041
SDev	.0006	.21	.399	.0026	.0021	.0078	.0003
%RSD	12.85	1.153	28.74	9.674	12.43	1.259	7.735
#1	.0041	18.37	1.112	.0245	.0146	.6141	.0040
#2	.0045	18.40	1.207	.0273	.0167	.6296	.0039
#3	.0053	18.02	1.846	.0298	.0188	.6200	.0045

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0054	3796.	.0544	48.24	.0167	.2837	.0962
SDev	.0014	58.	.0100	.47	.0271	.0222	.0369
%RSD	26.87	1.529	18.44	.9811	162.6	7.821	38.38
#1	.0039	3826.	.0466	48.44	.0465	.2658	.0671
#2	.0055	3833.	.0510	48.57	.0103	.2768	.0839
#3	.0068	3729.	.0657	47.69	-.0067	.3085	.1378

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1326	.0900	.0296	.2557	1.057	.0012	.0678
SDev	.0187	.0053	.0199	.0069	.062	.0001	.0185
%RSD	14.08	5.939	67.02	2.702	5.822	12.83	27.35
#1	.1156	.0840	.0145	.2527	1.038	.0011	.0667
#2	.1296	.0916	.0521	.2508	1.006	.0012	.0498
#3	.1526	.0943	.0223	.2636	1.125	.0014	.0869

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7719	.0074	.2233	41.23	.0135	.0564	.0077
SDev	.0048	.0007	.0097	.49	.0016	.0058	.0004

%RSD	.6170	9.162	4.350	1.184	11.73	10.32	5.128
#1	.7758	.0067	.2192	41.47	.0123	.0497	.0073
#2	.7733	.0076	.2343	41.54	.0128	.0602	.0079
#3	.7666	.0080	.2162	40.67	.0153	.0593	.0080

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0105	9.214
SDev	.0025	.137
%RSD	24.20	1.485
#1	.0135	9.285
#2	.0090	9.301
#3	.0091	9.056

Analysis Report Tue 09-19-95 02:09:55 PM page 1

Method: ICP1 Sample Name: 5TH SAMP PREP BLK @5 Operator: DRS
Run Time: 09/19/95 14:08:35
Comment: Na2O2/Zr PREP BLANK 95-007941-N3 @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0169	.0849	.0186	.1365	.0036	.0001	.0358
SDev	.0019	.0070	.0052	.0016	.0001	.0000	.0155
%RSD	11.04	8.224	27.69	1.189	2.096	24.57	43.41
#1	.0164	.0778	.0132	.1375	.0035	.0001	.0337
#2	.0154	.0851	.0191	.1374	.0036	.0001	.0214
#3	.0190	.0918	.0235	.1346	.0036	.0001	.0522

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.014	.0004	-.0935	.0081	.0110	.0158	.0096
SDev	.008	.0020	.0109	.0003	.0010	.0011	.0009
%RSD	.4104	548.3	11.64	3.699	9.302	7.055	9.208
#1	2.015	.0027	-.1028	.0081	.0121	.0160	.0090
#2	2.022	-.0010	-.0960	.0079	.0111	.0167	.0092
#3	2.006	-.0006	-.0815	.0084	.0100	.0145	.0107

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.0693	1.743	.0165	.0096	.0713	.0028
SDev	.0003	.0003	.083	.0011	.0023	.0014	.0002
%RSD	9.346	.3579	4.767	6.421	23.77	2.016	7.340
#1	.0031	.0694	1.656	.0159	.0070	.0729	.0028
#2	.0035	.0694	1.751	.0160	.0108	.0711	.0027
#3	.0038	.0690	1.822	.0178	.0112	.0700	.0031

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0072	2130.	.0549	.1085	.0234	.0576	.1769
SDev	.0004	16.	.0081	.0014	.0251	.0037	.0049
%RSD	6.242	.7741	14.75	1.336	107.5	6.474	2.740
#1	.0077	2142.	.0526	.1077	-.0053	.0550	.1714
#2	.0072	2136.	.0483	.1102	.0341	.0619	.1800
#3	.0068	2111.	.0640	.1076	.0414	.0560	.1795

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0682	.0383	.0348	.1081	.3118	.0143	.0502
SDev	.0105	.0089	.0023	.0065	.0152	.0001	.0059
%RSD	15.46	23.17	6.569	6.044	4.886	.5296	11.72
#1	.0607	.0476	.0322	.1028	.2994	.0143	.0446
#2	.0636	.0299	.0366	.1061	.3288	.0144	.0563
#3	.0802	.0375	.0356	.1154	.3071	.0143	.0497

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0247	.0048	.0332	.2192	.0066	.0179	.0034
SDev	.0040	.0003	.0082	.1014	.0003	.0099	.0001

%RSD	16.11	6.391	24.73	46.26	4.079	55.12	4.084
#1	.0242	.0045	.0291	.1866	.0063	.0073	.0034
#2	.0290	.0051	.0426	.1381	.0068	.0197	.0034
#3	.0211	.0049	.0278	.3328	.0066	.0267	.0036

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0236	10.04
SDev	.0010	.07
%RSD	4.314	.6849
#1	.0240	10.07
#2	.0244	10.08
#3	.0225	9.956

Analysis Report Tue 09-19-95 02:13:41 PM page 1

Method: ICP1 Sample Name: 6TH SAMP BLK-PS @5 Operator: DRS
Run Time: 09/19/95 14:12:21
Comment: Na2O2/Zr PREP BLANK 95-007941-N3 POST SPIKE @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1324	14.37	.5617	.5169	.0964	.0181	4.861
SDev	.0010	.16	.0194	.0091	.0010	.0002	.048
%RSD	.7732	1.115	3.458	1.767	1.086	1.085	.9864
#1	.1312	14.56	.5719	.5250	.0976	.0183	4.916
#2	.1330	14.28	.5740	.5070	.0960	.0180	4.833
#3	.1330	14.28	.5393	.5188	.0956	.0180	4.834

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.72	.3552	-.0667	.2100	1.677	.2116	.0088
SDev	.07	.0048	.0140	.0018	.008	.0011	.0012
%RSD	.6471	1.362	20.98	.8460	.4773	.5011	14.06
#1	10.80	.3525	-.0827	.2115	1.684	.2122	.0074
#2	10.67	.3608	-.0569	.2103	1.678	.2104	.0094
#3	10.69	.3523	-.0604	.2080	1.668	.2122	.0097

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	3.976	25.13	.0253	.3550	5.462	.1985
SDev	.0002	.031	.17	.0013	.0024	.042	.0017
%RSD	5.131	.7776	.6790	5.047	.6746	.7683	.8431
#1	.0043	4.011	24.99	.0238	.3577	5.507	.2004
#2	.0047	3.955	25.32	.0258	.3536	5.424	.1976
#3	.0047	3.961	25.08	.0263	.3536	5.455	.1974

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2020	2118.	.0685	5.302	.0563	5.757	.1544
SDev	.0027	27.	.0041	.050	.0170	.026	.0289
%RSD	1.324	1.271	6.039	.9392	30.16	.4507	18.71
#1	.2050	2148.	.0637	5.359	.0419	5.781	.1210
#2	.1998	2107.	.0701	5.271	.0518	5.729	.1703
#3	.2012	2098.	.0715	5.274	.0750	5.761	.1718

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0956	.5569	.5249	13.62	.6066	.1078	.0544
SDev	.0066	.0064	.0015	.14	.0405	.0011	.0092
%RSD	6.862	1.156	.2875	1.018	6.673	.9877	17.00
#1	.0899	.5624	.5236	13.78	.5598	.1090	.0445
#2	.0940	.5498	.5265	13.56	.6289	.1073	.0558
#3	.1028	.5584	.5244	13.53	.6309	.1071	.0628

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3360	.1965	.5281	17.55	.1961	.0341	.0056
SDev	.0094	.0016	.0079	.10	.0010	.0108	.0004

%RSD	2.804	.8246	1.497	.5880	.5134	31.72	7.988
#1	.3469	.1983	.5191	17.66	.1971	.0218	.0051
#2	.3310	.1956	.5342	17.53	.1951	.0419	.0058
#3	.3302	.1955	.5309	17.46	.1962	.0388	.0059

Elem	Zn	Zr
Units	ppm	ppm
Avge	.2178	10.77
SDev	.0037	.12
%RSD	1.679	1.077
#1	.2217	10.90
#2	.2144	10.70
#3	.2173	10.70

Analysis Report Tue 09-19-95 02:17:35 PM page 1

Method: ICP1 Sample Name: 7TH SAMP SAMPLE @5 Operator: DRS
Run Time: 09/19/95 14:16:16
Comment: Na2O2/Zr 95-007941-N1 @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0081	32.37	.0214	.2213	.0049	.0002	.0278
SDev	.0004	.12	.0059	.0030	.0001	.0000	.0082
%RSD	5.550	.3709	27.81	1.354	3.101	16.18	29.56
#1	.0085	32.23	.0255	.2180	.0051	.0002	.0370
#2	.0077	32.46	.0241	.2237	.0048	.0002	.0212
#3	.0079	32.41	.0145	.2222	.0048	.0001	.0252

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.117	.0015	.0501	.0085	.0396	.0344	.0063
SDev	.004	.0010	.0030	.0005	.0012	.0009	.0003
%RSD	.3415	65.89	6.041	6.072	3.006	2.694	5.500
#1	1.115	.0004	.0534	.0091	.0398	.0355	.0067
#2	1.116	.0016	.0494	.0080	.0407	.0339	.0060
#3	1.122	.0024	.0475	.0085	.0383	.0339	.0063

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.3200	1.506	.0141	.0180	.0815	.0079
SDev	.0002	.0007	.060	.0007	.0010	.0092	.0002
%RSD	9.900	.2263	3.953	5.154	5.331	11.35	1.991
#1	.0023	.3193	1.443	.0149	.0192	.0769	.0077
#2	.0023	.3201	1.562	.0135	.0175	.0754	.0079
#3	.0019	.3207	1.514	.0138	.0175	.0922	.0080

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0051	2185.	.0438	.1523	1.078	.0723	.1462
SDev	.0006	8.	.0022	.0057	.013	.0025	.0086
%RSD	11.74	.3560	4.938	3.729	1.201	3.507	5.860
#1	.0054	2176.	.0445	.1471	1.071	.0702	.1548
#2	.0056	2190.	.0414	.1513	1.093	.0751	.1376
#3	.0045	2190.	.0456	.1583	1.070	.0717	.1461

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0594	.0399	.0088	.8060	.2135	.0182	.0274
SDev	.0021	.0015	.0045	.0076	.0086	.0001	.0072
%RSD	3.555	3.769	51.27	.9445	4.022	.3905	26.27
#1	.0618	.0390	.0043	.7975	.2193	.0181	.0241
#2	.0581	.0416	.0133	.8122	.2176	.0182	.0224
#3	.0582	.0389	.0089	.8084	.2036	.0182	.0356

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0092	.0141	.0800	.5845	.0174	.0154	.0020
SDev	.0059	.0002	.0025	.0209	.0006	.0062	.0000

%RSD	64.41	1.578	3.085	3.567	3.206	40.00	.6731
#1	.0025	.0139	.0802	.6086	.0177	.0210	.0020
#2	.0136	.0143	.0774	.5734	.0168	.0088	.0020
#3	.0114	.0141	.0823	.5717	.0178	.0165	.0020

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0161	.0878
SDev	.0017	.0049
%RSD	10.37	5.607
#1	.0173	.0875
#2	.0168	.0831
#3	.0142	.0929

Analysis Report Tue 09-19-95 02:21:25 PM page 1

Method: ICP1 Sample Name: 8TH SAMPLE FS @5 Operator: DRS
Run Time: 09/19/95 14:20:05
Comment: Na2O2/Zr 95-007941-N1 POST SPIKE @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1211	45.26	.5591	.5909	.0966	.0181	4.748
SDev	.0013	.60	.0104	.0068	.0014	.0002	.046
%RSD	1.043	1.321	1.859	1.144	1.505	.8961	.9779
#1	.1198	45.95	.5665	.5976	.0983	.0182	4.801
#2	.1223	44.85	.5472	.5841	.0956	.0179	4.725
#3	.1213	44.99	.5636	.5909	.0959	.0180	4.717

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.53	.3431	.0654	.2059	1.677	.2256	.0064
SDev	.07	.0095	.0107	.0009	.017	.0022	.0016
%RSD	.7087	2.784	16.40	.4211	.9993	.9650	25.92
#1	10.61	.3541	.0533	.2064	1.696	.2282	.0046
#2	10.47	.3369	.0693	.2049	1.665	.2244	.0067
#3	10.49	.3382	.0737	.2064	1.670	.2244	.0078

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	4.156	24.52	.0247	.3573	5.369	.2003
SDev	.0005	.042	.05	.0037	.0043	.034	.0018
%RSD	15.31	1.009	.2009	14.97	1.214	.6363	.9119
#1	.0028	4.205	24.54	.0206	.3623	5.409	.2023
#2	.0035	4.131	24.47	.0277	.3553	5.353	.1998
#3	.0037	4.134	24.56	.0259	.3544	5.346	.1987

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2002	2122.	.0602	5.272	1.100	5.674	.1347
SDev	.0022	29.	.0090	.056	.018	.019	.0336
%RSD	1.093	1.366	14.90	1.065	1.619	.3377	24.95
#1	.2025	2155.	.0499	5.337	1.114	5.696	.0965
#2	.1981	2103.	.0663	5.240	1.107	5.660	.1594
#3	.1999	2108.	.0644	5.239	1.080	5.667	.1484

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0889	.5580	.4996	14.06	.5399	.1108	.0408
SDev	.0134	.0100	.0057	.15	.0284	.0015	.0077
%RSD	15.10	1.784	1.139	1.088	5.268	1.316	18.95
#1	.0737	.5592	.5040	14.23	.5073	.1125	.0346
#2	.0989	.5474	.5017	13.95	.5595	.1098	.0384
#3	.0942	.5672	.4932	13.99	.5528	.1102	.0495

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3137	.2027	.5766	17.78	.2044	.0242	.0046
SDev	.0052	.0018	.0035	.15	.0004	.0149	.0004

%RSD	1.659	.8908	.6124	.8587	.2047	61.54	9.660
#1	.3113	.2048	.5727	17.96	.2049	.0268	.0041
#2	.3197	.2015	.5776	17.70	.2041	.0082	.0049
#3	.3101	.2018	.5796	17.69	.2043	.0376	.0049

Elem	Zn	Zr
Units	ppm	ppm
Avge	.2201	.9395
SDev	.0017	.0104
%RSD	.7777	1.106
#1	.2184	.9515
#2	.2218	.9329
#3	.2200	.9342

Analysis Report QC Standard Tue 09-19-95 02:25:19 PM page 1

Method: ICP1 Sample Name: MCVA 950728I901 Operator: DRS
Run Time: 09/19/95 14:24:00
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

Na-Alta-Natusiotis PASS DKJ 9/

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4817	25.32	2.585	2.013	.5265	.0924	24.33
SDev	.0023	.14	.030	.008	.0027	.0007	.15
%RSD	.4837	.5349	1.149	.4012	.5080	.7118	.6327
#1	.4838	25.42	2.597	2.019	.5284	.0930	24.43
#2	.4822	25.36	2.606	2.016	.5275	.0926	24.41
#3	.4792	25.16	2.551	2.004	.5234	.0917	24.15
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.93	.4926	-.0409	1.032	1.031	1.016	-.0014
SDev	.20	.0026	.0054	.008	.006	.006	.0001
%RSD	.8099	.5170	13.24	.7853	.6053	.6051	10.56
#1	25.11	.4931	-.0362	1.038	1.037	1.016	-.0013
#2	24.97	.4949	-.0468	1.035	1.031	1.022	-.0013
#3	24.71	.4899	-.0398	1.023	1.024	1.010	-.0015
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	20.57	27.10	.0071	2.146	26.59	.5119
SDev	.0000	.15	.16	.0006	.021	.21	.0042
%RSD	.5996	.7156	.5813	8.376	.9881	.7950	.8127
#1	.0016	20.69	26.93	.0065	2.122	26.78	.5152
#2	.0016	20.61	27.14	.0071	2.162	26.64	.5134
#3	.0016	20.40	27.23	.0077	2.154	26.36	.5072
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.047	Q27.57	-.0004	1.056	.0338	2.574	-.0318
SDev	.008	.11	.0025	.011	.0151	.013	.0056
%RSD	.7812	.3957	670.1	1.062	44.76	.4989	17.53
#1	1.054	27.45	-.0006	1.061	.0504	2.583	-.0276
#2	1.050	Q27.65	.0022	1.064	.0301	2.580	-.0382
#3	1.038	Q27.62	-.0028	1.043	.0208	2.560	-.0298
Errors	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Tue 09-19-95 02:25:19 PM page 2

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0129	2.585	2.431	18.44	.1779	.5327	-.0091
SDev	.0038	.034	.026	.12	.0035	.0030	.0075
%RSD	29.25	1.317	1.084	.6470	1.968	.5571	82.76
#1	-.0118	2.616	2.462	18.53	.1811	.5348	-.0011
#2	-.0097	2.590	2.416	18.49	.1742	.5340	-.0102
#3	-.0170	2.549	2.416	18.31	.1785	.5293	-.0160
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0377	1.026	2.476	-.1341	.9966	.0217	-.0007
SDev	.0156	.007	.023	.0468	.0067	.0077	.0000
%RSD	41.34	.6381	.9246	34.92	.6729	35.61	3.144
#1	.0524	1.031	2.474	-.1341	1.002	.0128	-.0007
#2	.0394	1.028	2.499	-.1809	.9984	.0269	-.0007
#3	.0213	1.018	2.454	-.0872	.9891	.0255	-.0007
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.015	2.094
SDev	.009	.013
%RSD	.8807	.6366
#1	1.025	2.105
#2	1.012	2.098
#3	1.008	2.080
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Report QC Standard Tue 09-19-95 02:29:23 PM page 1

File : ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/19/95 14:28:03
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

PASS DR 9

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0213	.0710	.0592	.0038	.0008	.0001	.0172
SDev	.0012	.0106	.0005	.0004	.0001	.0000	.0153
%RSD	5.845	14.90	.8560	10.01	18.22	13.86	89.01
#1	.0199	.0603	.0586	.0042	.0007	.0001	-.0002
#2	.0223	.0815	.0596	.0034	.0009	.0001	.0233
#3	.0216	.0714	.0593	.0039	.0009	.0000	.0284
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0122	.0012	2.056	.0058	.0024	-.0007	2.024
SDev	.0004	.0031	.003	.0010	.0032	.0008	.014
%RSD	3.165	264.8	.1685	16.45	132.0	113.9	.6899
#1	.0119	.0000	2.060	.0047	.0006	-.0014	2.037
#2	.0126	-.0012	2.057	.0063	.0006	.0002	2.009
#3	.0120	.0046	2.053	.0065	.0061	-.0010	2.025
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.009	.0071	.5521	2.019	.0039	.1869	.0013
SDev	.013	.0006	.1662	.010	.0019	.0152	.0001
%RSD	.6639	8.291	30.10	.5030	48.50	8.124	7.439
#1	2.022	.0068	.3786	2.030	.0035	.2041	.0012
#2	1.996	.0077	.7098	2.010	.0060	.1811	.0014
#3	2.011	.0067	.5679	2.018	.0023	.1754	.0013
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.1129	2.023	.0079	.0016	.0771	Q3.158
SDev	.0011	.0316	.012	.0003	.0117	.0022	.018
%RSD	33.19	27.96	.5810	4.329	712.3	2.864	.5611
#1	.0022	.0812	2.036	.0083	-.0111	.0795	Q3.173
#2	.0032	.1130	2.013	.0076	.0118	.0751	Q3.139
#3	.0043	.1443	2.019	.0079	.0043	.0768	Q3.161
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail
Value			2.000				2.000

Analysis Report QC Standard Tue 09-19-95 02:29:23 PM page 1

Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.111	.0270	.0185	.1264	Q2.331	.0008	1.848
SDev	.012	.0212	.0018	.0032	.033	.0001	.010
%RSD	.5690	78.38	9.854	2.559	1.427	8.995	.5567
#1	2.123	.0220	.0172	.1227	Q2.369	.0008	1.851
#2	2.099	.0503	.0176	.1282	Q2.310	.0009	1.837
#3	2.112	.0089	.0205	.1283	Q2.313	.0008	1.857
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Pass
Value	2.000				2.000		2.000
Range	10.00				10.00		10.00

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.207	.0024	.0227	Q8.446	.0002	Q.5255	.9955
SDev	.021	.0005	.0088	.082	.0008	.0042	.0062
%RSD	.4082	19.40	38.67	.9677	314.0	.8073	.6212
#1	5.230	.0019	.0126	Q8.426	-.0006	Q.5270	1.001
#2	5.187	.0029	.0268	Q8.377	.0008	Q.5288	.9891
#3	5.204	.0026	.0287	Q8.536	.0005	Q.5207	.9959
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	QC Pass
Value	5.000			10.00		2.000	1.000
Range	10.00			10.00		10.00	10.00

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0013	.0077
SDev	.0005	.0008
%RSD	38.99	10.19
#1	.0009	.0076
#2	.0012	.0069
#3	.0019	.0085
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report Tue 09-19-95 02:33:01 PM page 1

Method: ICP1 Sample Name: SST-ICS-2 9509081102 Operator: DRS
Run Time: 09/19/95 14:31:41
Comment: Na2O2/Zr 95-007941-N1 POST SPIKE @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0678	98.17	.1044	.0132	.0024	.0002	.1321
SDev	.0006	.68	.0176	.0008	.0001	.0000	.0201
%RSD	.8821	.6958	16.90	5.983	3.452	20.17	15.23
#1	.0678	97.45	.1234	.0141	.0025	.0002	.1177
#2	.0672	98.81	.0884	.0125	.0023	.0001	.1551
#3	.0684	98.24	.1014	.0130	.0023	.0002	.1236

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0514	.0151	-.0465	.0138	.0322	-.0266	.0076
SDev	.0004	.0006	.0063	.0006	.0022	.0012	.0006
%RSD	.7878	3.850	13.57	4.642	6.866	4.628	8.588
#1	.0511	.0157	-.0416	.0132	.0347	-.0280	.0080
#2	.0519	.0145	-.0537	.0138	.0306	-.0258	.0068
#3	.0512	.0151	-.0444	.0145	.0313	-.0259	.0079

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	19.50	4424.	.0273	.0110	.6799	.0040
SDev	.0002	.12	33.	.0005	.0012	.0082	.0002
%RSD	5.207	.6046	.7542	1.931	10.90	1.210	6.018
#1	.0048	19.39	4387.	.0279	.0096	.6731	.0038
#2	.0047	19.62	4452.	.0271	.0117	.6890	.0040
#3	.0043	19.49	4433.	.0270	.0117	.6774	.0043

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	.4157	.0529	51.66	.0360	.3161	.0798
SDev	.0011	.0385	.0023	.34	.0253	.0116	.0105
%RSD	15.67	9.259	4.297	.6596	70.19	3.663	13.18
#1	.0063	.4408	.0549	51.31	.0587	.3230	.0918
#2	.0082	.3714	.0504	52.00	.0088	.3225	.0722
#3	.0063	.4349	.0532	51.66	.0406	.3027	.0754

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1408	.1079	.0362	.3042	1.162	.0011	.0818
SDev	.0060	.0151	.0047	.0025	.020	.0000	.0061
%RSD	4.239	14.00	13.06	.8267	1.736	1.511	7.477
#1	.1469	.1072	.0319	.3015	1.185	.0011	.0882
#2	.1406	.0931	.0354	.3065	1.152	.0010	.0760
#3	.1350	.1233	.0412	.3046	1.149	.0011	.0812

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8410	.0075	.2299	44.30	.0150	.0712	.0082
SDev	.0110	.0001	.0054	.20	.0004	.0025	.0001

%RSD	1.313	1.166	2.358	.4443	2.540	3.570	1.078
#1	.8304	.0076	.2313	44.08	.0151	.0735	.0081
#2	.8524	.0075	.2344	44.46	.0154	.0685	.0082
#3	.8403	.0075	.2239	44.36	.0146	.0717	.0082

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0157	9.783
SDev	.0021	.065
%RSD	13.48	.6599
#1	.0168	9.719
#2	.0133	9.848
#3	.0170	9.780

Analysis Report Tue 09-19-95 02:36:57 PM page 1

Method: ICP1 Sample Name: SST-ICS-1 950908I101 Operator: DRS
Run Time: 09/19/95 14:35:38
Comment: Na2O2/Zr 95-007941-N1 POST SPIKE @5X DIL
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0625	94.52	.0855	.0131	.0012	.0001	.1280
SDev	.0004	.58	.0075	.0017	.0001	.0000	.0096
%RSD	.6424	.6105	8.715	13.10	11.43	28.45	7.463
#1	.0622	93.88	.0925	.0133	.0013	.0001	.1369
#2	.0624	94.67	.0864	.0146	.0012	.0001	.1179
#3	.0630	95.00	.0777	.0112	.0011	.0001	.1293

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0409	.0126	-.0467	.0108	.0277	.0148	.0065
SDev	.0005	.0009	.0043	.0009	.0009	.0007	.0006
%RSD	1.195	7.410	9.224	8.400	3.227	4.741	8.439
#1	.0405	.0134	-.0447	.0101	.0287	.0141	.0069
#2	.0415	.0115	-.0438	.0118	.0277	.0155	.0068
#3	.0408	.0128	-.0517	.0104	.0269	.0147	.0059

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	18.47	1.301	.0273	.0159	.6242	.0039
SDev	.0002	.09	.103	.0001	.0011	.0033	.0001
%RSD	5.354	.5135	7.925	.5515	6.933	.5215	1.989
#1	.0039	18.36	1.420	.0274	.0146	.6237	.0038
#2	.0040	18.49	1.254	.0271	.0167	.6276	.0038
#3	.0036	18.55	1.230	.0273	.0163	.6212	.0040

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	3855.	.0493	48.89	.0089	.2664	.0687
SDev	.0007	22.	.0008	.24	.0128	.0047	.0076
%RSD	15.55	.5773	1.586	.4982	143.1	1.762	11.12
#1	.0051	3831.	.0484	48.61	.0208	.2699	.0743
#2	.0038	3860.	.0497	49.02	-.0046	.2610	.0718
#3	.0049	3875.	.0498	49.03	.0105	.2682	.0600

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1247	.0863	.0370	.2386	1.006	.0011	.0529
SDev	.0015	.0131	.0106	.0035	.015	.0001	.0064
%RSD	1.213	15.18	28.51	1.482	1.536	5.989	12.08
#1	.1252	.0999	.0401	.2365	1.024	.0011	.0506
#2	.1259	.0853	.0252	.2366	.9972	.0012	.0480
#3	.1230	.0737	.0456	.2427	.9979	.0010	.0601

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7799	.0070	.2284	41.71	.0125	.0565	.0074
SDev	.0113	.0002	.0046	.19	.0003	.0132	.0005

%RSD	1.445	3.205	2.017	.4635	2.530	23.46	7.180
#1	.7720	.0068	.2308	41.49	.0128	.0619	.0072
#2	.7749	.0072	.2231	41.80	.0121	.0661	.0081
#3	.7928	.0070	.2313	41.85	.0125	.0414	.0070

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0107	9.323
SDev	.0020	.047
%RSD	18.97	.5084
#1	.0110	9.270
#2	.0085	9.335
#3	.0125	9.362

Analysis Report Tue 09-19-95 02:40:45 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/19/95 14:39:26
Comment: BY-108 POST SPIKE CHECK RUN
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0017	-.0089	.0008	-.0004	.0000	-.0061
SDev	.0001	.0038	.0108	.0004	.0002	.0000	.0109
%RSD	16.93	223.1	121.0	48.70	51.11	95.18	177.8
#1	-.0008	.0007	-.0182	.0009	-.0006	.0000	-.0186
#2	-.0007	.0003	-.0115	.0012	-.0004	.0000	.0011
#3	-.0009	-.0061	.0029	.0004	-.0002	.0001	-.0009

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	-.0004	-.0030	.0007	-.0013	.0017	.0002
SDev	.0005	.0009	.0027	.0007	.0023	.0003	.0005
%RSD	7.310	209.9	89.88	92.93	173.3	16.24	262.2
#1	.0063	-.0014	.0001	-.0000	.0013	.0016	-.0002
#2	.0071	.0003	-.0042	.0009	-.0022	.0015	.0001
#3	.0071	-.0002	-.0048	.0012	-.0031	.0020	.0008

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0003	-.4417	.0001	.0007	.0046	-.0000
SDev	.0001	.0001	.1575	.0007	.0009	.0033	.0002
%RSD	246.2	37.85	35.67	1022.	125.0	71.50	751.8
#1	-.0001	-.0005	-.6152	.0001	.0010	.0060	-.0001
#2	.0001	-.0002	-.4022	-.0007	-.0003	.0008	-.0001
#3	.0001	-.0003	-.3076	.0008	.0014	.0069	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.2018	-.0019	.0030	-.0146	-.0083	.0131
SDev	.0009	.0152	.0012	.0033	.0074	.0021	.0013
%RSD	42.97	7.537	65.79	112.7	50.66	25.76	10.02
#1	.0031	.2193	-.0008	.0026	-.0061	-.0100	.0120
#2	.0012	.1930	-.0032	-.0002	-.0196	-.0059	.0128
#3	.0021	.1930	-.0017	.0065	-.0180	-.0090	.0145

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0071	.0073	-.0098	-.0024	-.0286	.0003	-.0045
SDev	.0036	.0122	.0062	.0030	.0283	.0000	.0046
%RSD	50.18	168.5	62.83	123.4	98.75	.6406	102.1
#1	-.0093	.0079	-.0029	-.0057	.0017	.0003	-.0025
#2	-.0030	.0192	-.0147	-.0018	-.0334	.0003	-.0098
#3	-.0092	-.0053	-.0119	.0002	-.0542	.0003	-.0013

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	-.0001	.0069	-.0928	-.0007	.0064	-.0005
SDev	.0025	.0001	.0036	.0266	.0002	.0016	.0004

%RSD	355.8	67.84	52.19	28.69	28.67	24.54	78.67
#1	-.0008	-.0001	.0033	-.1226	-.0006	.0080	-.0000
#2	.0018	-.0000	.0069	-.0847	-.0006	.0064	-.0007
#3	-.0031	-.0002	.0105	-.0712	-.0010	.0049	-.0007

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0005	-.0014
SDev	.0013	.0005
%RSD	256.7	36.54
#1	-.0010	-.0011
#2	.0013	-.0019
#3	.0011	-.0010

DON'T SAY IT -- *Write It!* **Date:** September 21, 1995

To: file: ICP-325-405-1 **From:** JJ Wagner

MW Chen for JJ Wagner 9/21/95

Subject: Post-Digestion Spike composition used on re-run 9-19-95

(file: 092195.DSI)

A post-digestion spike was prepared from two reagent solutions. Aliquots from each reagent was added to an aliquot of BY108 Core 99 fusion prepared sample and analyzed by ICPAES on 09-20-95 (95D262A). The post-digestion spike and sample aliquot mixture resulted in an equivalent sample dilution of 5 fold.

The post-digestion spike was prepared by thoroughly mixing 2 mL of 2% acid diluent (HNO_3), 1 mL of a quality control working standard "MCVA", 1 mL of "Dilute SST Spike" reagent[1], and 1 mL of sample (sample prepared by either KOH/Ni fusion or Na_2O_2/Zr fusion procedure).

Note[1]: "Dilute SST Spike" (barcode: 950907H901) was prepared from a 20 fold dilution of "SST Spike (8/95) Reagent" (barcode: 950830H901) on 09-07-95.

Following, on the next page, is a list of analytes and concentrations contained in each of the reagents used to prepare the Post-Digestion Spike.

Analyte	"Dilute SST Spike" Barcode: 950907H901 µg/mL	"MCVA" QC reagent Barcode: 9507281901 µg/mL	Combined Total µg/mL
Ag	0	0.5	0.5
Al	50	25	75
As	0	2.5	2.5
B	0	2.0	2.0
Ba	0	0.5	0.5
Be	0	0.1	0.1
Bi	0	25	25
Ca	25	25	50
Cd	1.25	0.5	1.75
Co	0	1	1
Cr	7.5	1	8.5
Cu	0	1	1
Fe	0	20	20
K	100	25	125
Li	0	2	2
Mg	0	25	25
Mn	0.5	0.5	1
Mo	0	1	1
Na	81.85	25	106.85
Ni	25	1	26
Pb	25	2.5	27.5
Sb	0	2.5	2.5
Se	0	2.5	2.5
Si	50	20	70
Sr	0	0.5	0.5
Ti	0	1	1
Tl	0	2.5	2.5
U	100	0	100
V	0	1	1
Zn	0	1	1
Zr	2.5	2	4.5