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 8 **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

THIS PAGE INTENTIONALLY
LEFT BLANK.

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

WATER LEACH DRAINABLE LIQUID, SEGMENT & QUARTER SEGMENT ICP ANALYSIS

3-940

THIS PAGE INTENTIONALLY
LEFT BLANK.

DATE TO QC: 09/15/95

DATA QUALITY REVIEW

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

Analyte - ICP - Water Leach

Data Package/Report - BY-108 Core 99

Project No. - 21372

ACL Numbers -

95-07932-C1	95-07932-C2	95-07932-C3
95-07935-C1	95-07935-C2	
95-07941-C1	95-07941-C2	95-07941-C3
95-07942-C1	95-07942-C2	
95-07943-C1	95-07943-C2	
95-07944-C1	95-07944-C2	
95-07945-C1	95-07945-C2	
95-07946-C1	95-07946-C2	
95-07947-C1	95-07947-C2	
95-07948-C1	95-07948-C2	

Issues that need to be addressed in narrative if data is used - see highlighted issues on the audit of data quality - ICP.

PNL ACL Quality Representative

9-18-95
Date

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

ICP ANALYSIS REPORT
** Sample Results -- Dilutions **

Core 99 Drainable Liquids

Analyze Date: 09/11/95
File: m091195a
Report Page 1 of 1

Samp Log#:	Seg 2 95-07932-C1-Sam	95-07932-C1-Sam@5x		Seg 2 95-07932-C2-Sam	95-07932-C2-Sam@5x					95-07932-C3 Batch Blk		
Run Time:	10:36	10:24		10:44	10:40					10:21		
Dil Fctr:	95.42	477.12		101.48	507.38					98.45		
ICP Dil:	1.00	5.00		1.00	5.00					1.00		**Estimated**
	|<--------Sample-------->			|<--------Duplicate-------->						|<-Blank->		
Analyte	ug/mL	ug/mL	%D	ug/mL	ug/mL	%D	Average ug/mL	RPD	20% Flg	ug/mL	IDL ug/mL	MDL ug/mL
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	37,357.9	37,602.4	1%	37,836.4	38,116.7	1%	37,597.1	1%		ND	0.060	0.6000
As	(31.8)	ND		(35.4)	ND		---			ND	0.080	0.8000
B	74.4	(76.8)		56.0	(57.4)		65.2	28%	*	45.8	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	(9.2)	(9.2)		(9.5)	(9.1)		---			ND	0.010	0.1000
Cr	298.1	305.4	2%	304.2	308.4	1%	301.1	2%		ND	0.020	0.2000
Cu	(4.1)	ND		(4.4)	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	124.9	129.5	4%	127.5	131.2	3%	126.2	2%		ND	0.020	0.2000
K	2,805.4	(2,945.1)		2,853.2	(2,983.3)		2,829.3	2%		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	(15.4)	(14.8)		(15.6)	ND		---			ND	0.030	0.3000
Na	OvrRng	194,172.6		OvrRng	197,638.8		195,905.7	2%		(73.6)	0.080	0.8000
Nd	ND	ND		ND	ND		---			ND	0.050	0.5000
Ni	327.3	335.1	2%	334.7	343.3	3%	331.0	2%		ND	0.030	0.3000
P	520.0	503.8	3%	533.0	513.3	4%	526.5	2%		ND	0.100	1.0000
Pb	(45.9)	(72.6)		(52.7)	(78.6)		---			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	(90.6)	ND		(78.4)	ND		---			ND	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	(79.0)	ND		(81.5)	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	(70.6)	ND		(72.7)	ND		---			ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	(4.8)	ND		(4.9)	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) If 20% flag = "*", Then RPD >20% and both sample results >MDL.
8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

Analyze Date: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

Analyst: D SANDERS
Reviewer: MWOlson 9/19/95

File: m091195a
Reported: 09/15/95
ICP File: 95D254a
Data Page 2 of 2

Sample Log# ID	95-07932-C1-Sam	95-07932-C1-Sam@5x	95-07932-C2-Sam	95-07932-C2-Sam@5x	95-07932-C3 Batch Blk			Post Spk
Sample Vol-mL	0.20	0.20	0.20	0.20	0.20			
Final Vol-mL	19.08	19.08	20.30	20.30	19.69			
Prep Factor	95.42	95.42	101.48	101.48	98.45			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	95.42	477.12	101.48	507.38	98.45			
ICP Run Time	10:36	10:24	10:44	10:40	10:21			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Analyte ↓↓	---	---	---	---	---	---	---	---
Ag	0.513	0.033	0.729	0.086	0.540			
Al	37357.919	37602.389	37836.376	38116.704	2.818			
As	31.772	32.310	35.442	34.238	0.803			
B	74.402	76.787	56.041	57.415	45.829			
Ba	0.075	0.000	0.121	0.041	0.125			
Be	0.317	0.296	0.328	0.315	0.010			
Bi	4.629	4.933	5.158	7.712	1.457			
Ca	-2.047	-16.308	-1.813	-16.074	-3.095			
Cd	0.305	0.568	0.268	0.238	0.231			
Ce	2.396	-0.429	3.842	-3.415	4.282			
Co	9.223	9.156	9.542	9.062	0.364			
Cr	298.080	305.365	304.158	308.359	0.201			
Cu	4.091	2.992	4.393	3.196	0.366			
Dy	0.396	0.105	0.536	-0.086	0.576			
Eu	0.141	0.000	0.200	-0.025	0.149			
Fe	124.857	129.494	127.491	131.228	0.846			
K	2805.395	2945.137	2853.220	2983.319	137.645			
La	0.902	0.644	1.229	0.416	1.174			
Li	1.230	1.412	1.356	0.959	0.488			
Mg	1.174	3.450	2.465	-0.771	2.248			
Mn	0.304	0.210	0.356	0.203	0.028			
Mo	15.441	14.824	15.620	14.404	0.121			
Na	175022.086	194172.552	177604.174	197638.834	73.574			
Nd	2.392	1.594	3.410	0.502	3.847			
Ni	327.263	335.127	334.735	343.292	0.543			
P	520.013	503.774	533.031	513.258	0.689			
Pb	45.862	72.570	52.660	78.572	2.880			
Pd	7.625	-0.344	11.005	-2.121	10.320			
Rh	4.907	1.975	6.410	2.197	4.773			
Sb	-6.369	-5.053	-4.588	-7.570	1.142			
Se	-0.103	-1.918	1.132	-0.873	0.792			
Si	90.579	83.138	78.406	51.159	5.665			
Sn	25.718	17.782	29.330	9.280	13.885			
Sr	0.106	0.167	0.127	0.178	0.057			
Te	-4.091	-6.785	-3.943	-8.762	1.963			
Th	0.302	1.951	-0.050	1.055	0.071			
Ti	0.155	0.091	0.213	-0.005	0.261			
Tl	78.956	80.032	81.477	80.414	0.270			
U	32.653	-7.400	53.061	-8.316	60.089			
V	0.302	0.081	0.406	-0.005	0.433			
W	70.614	68.037	72.690	63.651	0.969			
Y	0.143	0.000	0.192	-0.091	0.241			
Zn	4.760	5.649	4.882	5.865	-0.083			
Zr	0.329	-0.210	0.480	-0.076	0.420			

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

ICP RAW DATA --- IEC Corrected

File: m091195a
Reported: 09/15/95
Data Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211

Sample ID:	95-07932-C1-Sam	95-07932-C1-Sam@5x	95-07932-C2-Sam	95-07932-C2-Sam@5x	95-07932-C3 Batch Blk			
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	10:36	10:24	10:44	10:40	10:21			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.0054	0.0001	0.0072	0.0002	0.0055			
Al	391.4960	78.8116	372.8622	75.1249	0.0286			
As	0.3330	0.0677	0.3493	0.0675	0.0082			
B	0.7797	0.1609	0.5523	0.1132	0.4655			
Ba	0.0008	0.0000	0.0012	0.0001	0.0013			
Be	0.0033	0.0006	0.0032	0.0006	0.0001			
Bi	0.0485	0.0103	0.0508	0.0152	0.0148			
Ca	-0.0215	-0.0342	-0.0179	-0.0317	-0.0314			
Cd	0.0032	0.0012	0.0026	0.0005	0.0024			
Ce	0.0251	-0.0009	0.0379	-0.0067	0.0435			
Co	0.0966	0.0192	0.0940	0.0179	0.0037			
Cr	3.1238	0.6400	2.9973	0.6078	0.0020			
Cu	0.0429	0.0063	0.0433	0.0063	0.0037			
Dy	0.0041	0.0002	0.0053	-0.0002	0.0059			
Eu	0.0015	0.0000	0.0020	-0.0001	0.0015			
Fe	1.3084	0.2714	1.2564	0.2586	0.0086			
K	29.3994	6.1728	28.1173	5.8799	1.3981			
La	0.0095	0.0014	0.0121	0.0008	0.0119			
Li	0.0129	0.0030	0.0134	0.0019	0.0050			
Mg	0.0123	0.0072	0.0243	-0.0015	0.0228			
Mn	0.0032	0.0004	0.0035	0.0004	0.0003			
Mo	0.1618	0.0311	0.1539	0.0284	0.0012			
Na	1834.1613	406.9701	1750.2173	389.5301	0.7473			
Nd	0.0251	0.0033	0.0336	0.0010	0.0391			
Ni	3.4296	0.7024	3.2987	0.6766	0.0055			
P	5.4495	1.0559	5.2528	1.0116	0.0070			
Pb	0.4806	0.1521	0.5189	0.1549	0.0293			
Pd	0.0799	-0.0007	0.1085	-0.0042	0.1048			
Rh	0.0514	0.0041	0.0632	0.0043	0.0485			
Sb	-0.0667	-0.0106	-0.0452	-0.0149	0.0116			
Se	-0.0011	-0.0040	0.0112	-0.0017	0.0080			
Si	0.9492	0.1742	0.7727	0.1008	0.0575			
Sn	0.2695	0.0373	0.2890	0.0183	0.1410			
Sr	0.0011	0.0004	0.0013	0.0004	0.0006			
Te	-0.0429	-0.0142	-0.0389	-0.0173	0.0199			
Th	0.0032	0.0041	-0.0005	0.0021	0.0007			
Ti	0.0016	0.0002	0.0021	-0.0000	0.0027			
Tl	0.8274	0.1677	0.8029	0.1585	0.0027			
U	0.3422	-0.0155	0.5229	-0.0164	0.6103			
V	0.0032	0.0002	0.0040	-0.0000	0.0044			
W	0.7400	0.1426	0.7163	0.1255	0.0098			
Y	0.0015	0.0000	0.0019	-0.0002	0.0025			
Zn	0.0499	0.0118	0.0481	0.0116	-0.0008			
Zr	0.0035	-0.0004	0.0047	-0.0002	0.0043			

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

ICP ANALYSIS REPORT
** Sample Results -- Dilutions **
Core 99 Drainable Liquids

Analyze Date: 09/11/95
File: m091195b
Report Page 1 of 1

Analyte	Seg 3 95-07935-C1-Sam ug/mL	95-07935-C1-Sam@5x ug/mL	%D	Seg 3 95-07935-C2-Sam ug/mL	95-07935-C2-Sam@5x ug/mL	%D	Average ug/mL	RPD	20% Flg	95-07932-C3 Batch Blk ug/mL	**Estimated** IDL ug/mL	MDL ug/mL
Run Time:	10:58	10:55		11:07	11:03					10:21		
Dil Fctr:	100.10	500.50		102.20	511.02					101.15		
ICP Dil:	1.00	5.00		1.00	5.00					1.00		
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	40,270.4	41,663.1	3%	39,166.6	39,258.6	0%	39,718.5	3%		ND	0.060	0.6000
As	(37.9)	ND		(33.7)	ND		---			ND	0.080	0.8000
B	51.7	(53.5)		44.2	(43.9)		47.9	16%	*	47.1	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	(9.3)	(8.7)		(9.0)	(8.8)		---			ND	0.010	0.1000
Cr	318.2	333.2	5%	307.0	313.7	2%	312.6	4%		ND	0.020	0.2000
Cu	10.7	(10.6)		10.5	(10.3)		10.6	2%		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	101.6	110.6	9%	100.7	105.4		101.2	1%		ND	0.020	0.2000
K	2,961.7	(2,984.4)		2,888.4	(3,030.1)		2,925.0	3%		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	(16.1)	(16.2)		(15.4)	ND		---			ND	0.030	0.3000
Na	OvrRng	198,042.5		OvrRng	186,914.0		192,478.2	6%		(75.6)	0.080	0.8000
Nd	ND	ND		ND	ND		---			ND	0.050	0.5000
Ni	255.9	269.3	5%	249.5	258.8	4%	252.7	3%		ND	0.030	0.3000
P	533.6	522.5	2%	512.7	517.7	1%	523.1	4%		ND	0.100	1.0000
Pb	(54.6)	(77.3)		(57.7)	(89.5)		---			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	(105.5)	ND		(91.7)	ND		---			ND	0.500	5.0000
Sn	ND	ND		ND	ND		---			ND	1.000	10.0000
Sr	(0.7)	ND		(1.2)	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	(81.6)	ND		(79.5)	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	840.9	(834.8)		814.5	(789.4)		827.7	3%		ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	(9.7)	(12.4)		(9.1)	(10.7)		---			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) If 20% flag = "*", Then RPD >20% and both sample results >MDL.
8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

ICP RAW DATA --- IEC Corrected

File: m091195b
Reported: 09/15/95
Data Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211

Sample ID:	95-07935-C1-Sam	95-07935-C1-Sam@5x	95-07935-C2-Sam	95-07935-C2-Sam@5x	95-07932-C3 Batch Blk			
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	10:58	10:55	11:07	11:03	10:21			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	-0.0070	-0.0036	-0.0067	-0.0014	0.0055			
Al	402.3017	83.2429	383.2198	76.8240	0.0286			
As	0.3790	0.0787	0.3296	0.0665	0.0082			
B	0.5162	0.1070	0.4323	0.0859	0.4655			
Ba	0.0014	-0.0000	0.0014	0.0005	0.0013			
Be	0.0032	0.0006	0.0031	0.0006	0.0001			
Bi	0.0497	0.0036	0.0502	0.0133	0.0148			
Ca	-0.0144	-0.0274	-0.0114	-0.0309	-0.0314			
Cd	0.0009	0.0006	0.0016	0.0019	0.0024			
Ce	0.0362	-0.0101	0.0314	0.0010	0.0435			
Co	0.0932	0.0173	0.0880	0.0173	0.0037			
Cr	3.1784	0.6657	3.0036	0.6138	0.0020			
Cu	0.1074	0.0212	0.1030	0.0202	0.0037			
Dy	0.0048	-0.0015	0.0044	0.0004	0.0059			
Eu	0.0018	-0.0006	0.0017	0.0002	0.0015			
Fe	1.0150	0.2209	0.9854	0.2063	0.0086			
K	29.5873	5.9628	28.2610	5.9296	1.3981			
La	0.0112	-0.0022	0.0109	0.0026	0.0119			
Li	0.0112	0.0000	0.0102	0.0024	0.0050			
Mg	0.0197	0.0038	0.0200	0.0030	0.0228			
Mn	0.0033	0.0005	0.0034	0.0006	0.0003			
Mo	0.1606	0.0323	0.1509	0.0279	0.0012			
Na	1743.9331	395.6892	1669.8220	365.7664	0.7473			
Nd	0.0328	-0.0096	0.0319	0.0067	0.0391			
Ni	2.5566	0.5381	2.4416	0.5064	0.0055			
P	5.3302	1.0439	5.0163	1.0130	0.0070			
Pb	0.5450	0.1544	0.5647	0.1751	0.0293			
Pd	0.1019	-0.0212	0.0864	0.0194	0.1048			
Rh	0.0623	-0.0063	0.0562	0.0108	0.0485			
Sb	-0.0626	-0.0190	-0.0759	-0.0152	0.0116			
Se	-0.0088	-0.0036	-0.0185	-0.0058	0.0080			
Si	1.0544	0.1679	0.8972	0.1102	0.0575			
Sn	0.2417	-0.0005	0.2207	0.0370	0.1410			
Sr	0.0069	0.0042	0.0118	0.0036	0.0006			
Te	-0.0422	-0.0241	-0.0481	-0.0127	0.0199			
Th	0.0046	-0.0016	0.0052	0.0002	0.0007			
Ti	0.0022	-0.0005	0.0027	0.0003	0.0027			
Tl	0.8150	0.1592	0.7780	0.1525	0.0027			
U	0.5572	-0.1431	0.5633	0.0730	0.6103			
V	0.0040	-0.0010	0.0038	0.0009	0.0044			
W	8.4008	1.6679	7.9691	1.5447	0.0098			
Y	0.0021	-0.0004	0.0017	0.0005	0.0025			
Zn	0.0970	0.0247	0.0886	0.0209	-0.0008			
Zr	0.0037	-0.0012	0.0032	0.0005	0.0043			

Analyze Date: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

Analyst: D SANDERS
Reviewer: MW Thm 9/19/95

File: m091195b
Reported: 09/15/95
ICP File: 95D254a
Data Page 2 of 2

Sample Log# ID	95-07935-C1-Sam	95-07935-C1-Sam@5x	95-07935-C2-Sam	95-07935-C2-Sam@5x	95-07932-C3 Batch Blk			Post Spk
Sample Vol-mL	0.20	0.20	0.20	0.20	0.20			
Final Vol-mL	20.02	20.02	20.44	20.44	20.23			
Prep Factor	100.10	100.10	102.20	102.20	101.15			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	100.10	500.50	102.20	511.02	101.15			
ICP Run Time	10:58	10:55	11:07	11:03	10:21			
Analyte ↓↓	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	-0.701	-1.807	-0.685	-0.710	0.554			
Al	40270.402	41663.096	39166.594	39258.626	2.895			
As	37.939	39.389	33.692	33.988	0.825			
B	51.674	53.538	44.185	43.876	47.087			
Ba	0.139	-0.015	0.146	0.245	0.128			
Be	0.323	0.290	0.319	0.291	0.010			
Bi	4.973	1.812	5.130	6.781	1.497			
Ca	-1.442	-13.704	-1.163	-15.791	-3.180			
Cd	0.092	0.305	0.160	0.956	0.238			
Ce	3.625	-5.055	3.213	0.501	4.399			
Co	9.328	8.659	8.995	8.815	0.374			
Cr	318.153	333.203	306.975	313.664	0.206			
Cu	10.749	10.621	10.524	10.307	0.376			
Dy	0.483	-0.731	0.451	0.225	0.592			
Eu	0.184	-0.275	0.171	0.123	0.153			
Fe	101.605	110.565	100.712	105.444	0.869			
K	2961.689	2984.366	2888.388	3030.149	141.424			
La	1.116	-1.121	1.116	1.318	1.206			
Li	1.124	0.000	1.039	1.206	0.502			
Mg	1.971	1.907	2.047	1.518	2.309			
Mn	0.325	0.255	0.351	0.286	0.028			
Mo	16.081	16.181	15.425	14.252	0.124			
Na	174567.703	198042.460	170662.490	186913.966	75.594			
Nd	3.285	-4.820	3.260	3.439	3.953			
Ni	255.911	269.294	249.541	258.806	0.558			
P	533.551	522.457	512.690	517.679	0.708			
Pb	54.559	77.272	57.712	89.500	2.959			
Pd	10.204	-10.606	8.830	9.919	10.604			
Rh	6.237	-3.143	5.739	5.539	4.904			
Sb	-6.270	-9.515	-7.760	-7.742	1.173			
Se	-0.878	-1.817	-1.886	-2.979	0.813			
Si	105.548	84.059	91.698	56.335	5.820			
Sn	24.190	-0.255	22.556	18.923	14.266			
Sr	0.694	2.082	1.210	1.855	0.059			
Te	-4.222	-12.082	-4.917	-6.495	2.017			
Th	0.455	-0.806	0.529	0.123	0.073			
Ti	0.224	-0.245	0.271	0.138	0.268			
Tl	81.579	79.655	79.516	77.941	0.277			
U	55.771	-71.647	57.574	37.299	61.738			
V	0.396	-0.485	0.386	0.445	0.445			
W	840.915	834.769	814.471	789.393	0.995			
Y	0.208	-0.205	0.172	0.235	0.248			
Zn	9.712	12.372	9.058	10.691	-0.085			
Zr	0.368	-0.601	0.330	0.261	0.432			

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

ICP RAW DATA --- IEC Corrected

File: m091195c
Reported: 09/15/95
Data Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-AL0-211

	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample ID:	95-7941-	95-7941-	95-7941-	95-7941-	95-7941-C3			
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	13:57	13:53	14:06	14:02	13:49			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.0021	0.0002	0.0029	-0.0011	0.0069			
Al	29.0411	5.6365	28.0440	5.5583	0.0324			
As	0.1301	0.0202	0.1205	0.0180	0.0120			
B	0.0901	0.0156	0.0633	0.0091	0.0089			
Ba	0.0014	0.0003	0.0014	-0.0001	0.0024			
Be	0.0004	0.0000	0.0003	0.0000	0.0002			
Bi	0.0129	-0.0072	0.0080	0.0005	0.0191			
Ca	0.2146	0.0537	0.2469	0.0477	0.7969			
Cd	0.0012	0.0015	0.0011	0.0001	0.0023			
Ce	0.0120	0.0032	0.0193	-0.0020	0.0611			
Co	0.0158	0.0023	0.0162	0.0014	0.0048			
Cr	0.4862	0.0944	0.4757	0.0900	0.0012			
Cu	0.0342	0.0042	0.0471	0.0068	0.0057			
Dy	0.0012	-0.0002	0.0025	-0.0013	0.0074			
Eu	0.0006	-0.0001	0.0009	-0.0001	0.0024			
Fe	0.3076	0.0742	0.2883	0.0648	0.0102			
K	4.7823	0.8830	4.5629	0.6910	1.7989			
La	0.0030	0.0007	0.0047	-0.0013	0.0134			
Li	0.2839	0.0557	0.2924	0.0597	0.0067			
Mg	0.0902	0.0307	0.0967	0.0198	0.2515			
Mn	0.0040	0.0012	0.0039	0.0008	0.0008			
Mo	0.0239	0.0031	0.0227	0.0024	0.0014			
Na	933.2988	186.2239	809.9840	170.6440	0.3893			
Nd	0.0122	0.0045	0.0220	-0.0039	0.0515			
Ni	0.5294	0.1029	0.4833	0.0965	0.0027			
P	227.2165	42.8084	172.1404	32.8478	0.2544			
Pb	0.0282	0.0001	0.0355	-0.0061	0.0296			
Pd	0.0303	0.0049	0.0461	-0.0139	0.1404			
Rh	0.0172	-0.0002	0.0205	-0.0092	0.0610			
Sb	0.0083	-0.0018	-0.0010	-0.0097	0.0134			
Se	0.0221	0.0051	0.0225	-0.0022	0.0232			
Si	1.8094	0.5340	1.5108	0.5030	0.1000			
Sn	0.0660	-0.0048	0.0695	-0.0344	0.1361			
Sr	0.0044	0.0013	0.0046	0.0011	0.0040			
Te	0.0500	0.0036	0.0438	-0.0039	0.0207			
Th	0.0019	-0.0029	-0.0019	0.0001	-0.0054			
Ti	0.0045	0.0011	0.0047	0.0006	0.0034			
Tl	0.0856	0.0131	0.0776	0.0111	0.0126			
U	0.2242	0.0136	0.2980	-0.0703	0.7738			
V	0.3670	0.0705	0.2912	0.0556	0.0055			
W	0.1557	0.0202	0.1489	0.0190	0.0089			
Y	0.0004	-0.0002	0.0008	-0.0005	0.0027			
Zn	0.0044	0.0016	0.0047	0.0009	0.0023			
Zr	0.0009	0.0007	0.0019	-0.0013	0.0055			

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

ICP ANALYSIS REPORT
** Sample Results -- Water Leach**

Core 99

Analyze Date: 09/11/95
File: m091195c
Report Page 1 of 1

Analyte	Seg 1 95-7941-C1-Sam ug/g	Seg 1 95-7941-C1-Sam@5x ug/g	%D	Seg 1 95-7941-C2-Sam ug/g	Seg 1 95-7941-C2-Sam@5x ug/g	%D	Average ug/mL	RPD	20% Flg	95-7941-C3 Batch Blk ug/g	**Estimated** IDL ug/mL	MDL ug/mL
Run Time:	13:57	13:53		14:06	14:02					13:49		
Dil Fctr:	97.65	488.26		100.53	502.63					99.07		
ICP Dil:	1.00	5.00		1.00	5.00					1.00		
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	2,835.9	2,752.1	3%	2,819.2	2,793.8	1%	2,827.5	1%		ND	0.060	0.6000
As	(12.7)	ND		(12.1)	ND		---			ND	0.080	0.8000
B	(8.8)	ND		(6.4)	ND		---			ND	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	(21.0)	(26.2)		(24.8)	ND		---			78.9	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	(1.5)	ND		(1.6)	ND		---			ND	0.010	0.1000
Cr	47.5	(46.1)		47.8	(45.3)		47.6	1%		ND	0.020	0.2000
Cu	(3.3)	ND		(4.7)	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	30.0	(36.2)		29.0	(32.6)		29.5	4%		ND	0.020	0.2000
K	(467.0)	ND		(458.7)	ND		---			ND	2.000	20.0000
La	ND	ND		ND	ND		---			ND	0.050	0.5000
Li	(27.7)	(27.2)		(29.4)	(30.0)		---			ND	0.030	0.3000
Mg	ND	ND		ND	ND		---			(24.9)	0.100	1.0000
Mn	ND	ND		ND	ND		---			ND	0.005	0.0500
Mo	ND	ND		ND	ND		---			ND	0.030	0.3000
Na	91,139.3	90,926.5	0%	81,424.4	85,770.8	5%	86,281.8	11%	*	(38.6)	0.080	0.8000
Nd	ND	ND		ND	ND		---			(5.1)	0.050	0.5000
Ni	51.7	(50.2)		48.6	(48.5)		50.1	6%		ND	0.030	0.3000
P	22,188.3	20,901.8	6%	17,304.6	16,510.3	5%	19,746.5	25%	*	(25.2)	0.100	1.0000
Pb	ND	ND		ND	ND		---			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	(176.7)	(260.7)		(151.9)	(252.8)		---			ND	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	ND	ND		ND	ND		---			ND	0.500	5.0000
U	ND	ND		ND	ND		---			ND	2.000	20.0000
V	35.8	(34.4)		29.3	(28.0)		32.6	20%	*	ND	0.010	0.1000
W	ND	ND		ND	ND		---			ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	ND	ND		ND	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 in ug/g "equivalence" to indicate blank effect on sample results.
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/g) = (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 results >MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

Analyze Date: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

Analyst: D SANDERS
Reviewer: MWThu 9/19/95

File: m091195c
Reported: 09/15/95
ICP File: 95D254a
Data Page 2 of 2

Sample Log#	95-7941-	95-7941-	95-7941-	95-7941-	95-7941-C3			
ID	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample Wt-g	0.5139	0.5139	0.4972	0.4972	0.5055			
Final Vol-mL	50.2	50.2	50.0	50.0	50.1			
Prep Factor	97.65	97.65	100.53	100.53	99.07			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	97.65	488.26	100.53	502.63	99.07			
ICP Run #	13:57	13:53	14:06	14:02	13:49			
Analyte ↓↓	ug/g	ug/g	ug/g	ug/g	ug/g	ug/mL	ug/mL	ug/mL
Ag	0.204	0.103	0.289	-0.543	0.680			
Al	2835.948	2752.106	2819.151	2793.767	3.211			
As	12.704	9.882	12.114	9.062	1.193			
B	8.798	7.622	6.361	4.569	0.879			
Ba	0.135	0.132	0.143	-0.055	0.242			
Be	0.035	0.020	0.029	0.000	0.017			
Bi	1.264	-3.501	0.803	0.261	1.895			
Ca	20.956	26.234	24.821	23.950	78.941			
Cd	0.112	0.713	0.111	0.065	0.225			
Ce	1.172	1.572	1.942	-1.020	6.054			
Co	1.545	1.143	1.624	0.709	0.477			
Cr	47.481	46.073	47.817	45.257	0.122			
Cu	3.335	2.051	4.739	3.403	0.569			
Dy	0.117	-0.088	0.249	-0.638	0.737			
Eu	0.062	-0.034	0.092	-0.065	0.238			
Fe	30.038	36.244	28.986	32.575	1.007			
K	467.007	431.123	458.695	347.327	178.204			
La	0.296	0.322	0.467	-0.653	1.330			
Li	27.721	27.187	29.398	30.022	0.664			
Mg	8.807	14.970	9.721	9.962	24.916			
Mn	0.391	0.581	0.389	0.387	0.083			
Mo	2.338	1.504	2.279	1.211	0.139			
Na	91139.290	90926.474	81424.407	85770.752	38.568			
Nd	1.195	2.178	2.214	-1.950	5.099			
Ni	51.698	50.223	48.587	48.499	0.265			
P	22188.339	20901.816	17304.577	16510.281	25.198			
Pb	2.757	0.049	3.570	-3.061	2.933			
Pd	2.954	2.368	4.630	-6.961	13.914			
Rh	1.677	-0.103	2.057	-4.619	6.038			
Sb	0.806	-0.874	-0.097	-4.891	1.329			
Se	2.158	2.490	2.263	-1.096	2.296			
Si	176.691	260.723	151.874	252.848	9.908			
Sn	6.448	-2.349	6.984	-17.290	13.484			
Sr	0.429	0.635	0.464	0.563	0.400			
Te	4.883	1.763	4.399	-1.955	2.053			
Th	0.189	-1.396	-0.187	0.045	-0.530			
Ti	0.438	0.557	0.471	0.307	0.332			
Tl	8.358	6.372	7.803	5.594	1.251			
U	21.890	6.640	29.957	-35.350	76.657			
V	35.843	34.423	29.274	27.951	0.548			
W	15.201	9.863	14.966	9.540	0.883			
Y	0.035	-0.107	0.083	-0.236	0.264			
Zn	0.425	0.776	0.469	0.437	0.227			
Zr	0.089	0.356	0.188	-0.638	0.542			

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

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

ICP ANALYSIS REPORT
** Sample Results -- Water Leach**

Analyze Date: 09/11/95
File: w091195d
Report Page 1 of 1

Core 99

Samp Log#:	Seg 2A 95-7942-C1-Sam	95-7942-C1-Sam@5x		Seg 2A 95-7942-C2-Sam	95-7942-C2-Sam@5x					95-7941-C3 Batch Blk		
Run Time:	14:14	14:09		14:21	14:17					13:49		
Dil Fctr:	97.71	488.55		101.33	506.67					99.50		
ICP Dil:	1.00	5.00		1.00	5.00					1.00	**Estimated**	
	|<--------Sample------->			|<--------Duplicate------->			Average		20%	|<-Blank->	IDL	MDL
Analyte	ug/g	ug/g	%D	ug/g	ug/g	%D	ug/mL	RPD	Flg	ug/g	ug/mL	ug/mL
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	6,781.0	6,916.1	2%	6,847.9	6,846.8	0%	6,814.4	1%		ND	0.060	0.6000
As	(12.7)	ND		(12.8)	ND		---			ND	0.080	0.8000
B	(6.1)	ND		(9.4)	ND		---			ND	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	146.4	549.6		142.4	688.6		144.4	3%		79.3	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	(2.4)	ND		(2.5)	ND		---			ND	0.010	0.1000
Cr	64.0	(65.5)		64.6	(65.5)		64.3	1%		ND	0.020	0.2000
Cu	(1.0)	ND		(1.1)	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	26.4	(29.2)		26.6	(31.9)		26.5	1%		ND	0.020	0.2000
K	(722.4)	ND		(734.1)	ND		---			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		---			(25.0)	0.100	1.0000
Mn	ND	ND		ND	ND		---			ND	0.005	0.0500
Mo	(3.5)	ND		(3.4)	ND		---			ND	0.030	0.3000
Na	OvrRng	225,347.3		OvrRng	227,957.8		201,191.5	3%		(38.7)	0.080	0.8000
Nd	ND	ND		ND	ND		---			(5.1)	0.050	0.5000
Ni	67.6	(69.1)		68.6	(67.6)		68.1	1%		ND	0.030	0.3000
P	687.8	692.3	1%	744.8	743.7	0%	716.3	8%		(25.3)	0.100	1.0000
Pb	(8.6)	ND		(8.6)	ND		---			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	(105.4)	ND		(108.7)	ND		---			ND	0.500	5.0000
Sn	ND	ND		ND	ND		---			ND	1.000	10.0000
Sr	(0.8)	ND		(0.8)	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	ND	ND		ND	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	ND	ND		ND	ND		---			ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	ND	ND		ND	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 in ug/g "equivalence" to indicate blank effect on sample results.
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/g) = (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 results >MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

ICP RAW DATA --- IEC Corrected

File: m091195d
Reported: 09/11/95
Data Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-AL0-211

Sample ID:	C1-Sam 95-7942-	C1-Sam@5x 95-7942-	C2-Sam 95-7942-	C2-Sam@5x 95-7942-	Batch Blk 95-7941-C3			Post Spk
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	14:14	14:09	14:21	14:17	13:49			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.0062	-0.0011	0.0056	-0.0008	0.0069			
Al	69.3981	14.1563	67.5773	13.5135	0.0324			
As	0.1298	0.0242	0.1266	0.0170	0.0120			
B	0.0621	0.0077	0.0931	0.0136	0.0089			
Ba	0.0023	0.0003	0.0022	0.0004	0.0024			
Be	0.0005	0.0001	0.0005	0.0000	0.0002			
Bi	0.0243	-0.0011	0.0144	-0.0002	0.0191			
Ca	1.4986	1.1250	1.4057	1.3591	0.7969			
Cd	0.0009	-0.0002	0.0003	-0.0011	0.0023			
Ce	0.0438	-0.0041	0.0429	-0.0017	0.0611			
Co	0.0246	0.0030	0.0242	0.0027	0.0048			
Cr	0.6551	0.1341	0.6377	0.1293	0.0012			
Cu	0.0105	-0.0017	0.0108	-0.0012	0.0057			
Dy	0.0062	-0.0007	0.0053	-0.0004	0.0074			
Eu	0.0021	-0.0002	0.0020	-0.0001	0.0024			
Fe	0.2698	0.0598	0.2628	0.0630	0.0102			
K	7.3929	1.1682	7.2448	1.2120	1.7989			
La	0.0113	-0.0016	0.0105	-0.0002	0.0134			
Li	0.0137	0.0009	0.0137	0.0010	0.0067			
Mg	0.0459	0.0108	0.0714	0.0112	0.2515			
Mn	0.0013	0.0000	0.0012	0.0001	0.0008			
Mo	0.0363	0.0050	0.0337	0.0043	0.0014			
Na	2024.0674	461.2527	2019.1659	449.9156	0.3893			
Nd	0.0443	0.0001	0.0415	0.0018	0.0515			
Ni	0.6922	0.1414	0.6768	0.1333	0.0027			
P	7.0396	1.4171	7.3502	1.4677	0.2544			
Pb	0.0883	0.0033	0.0852	0.0088	0.0296			
Pd	0.1101	-0.0113	0.1007	-0.0123	0.1404			
Rh	0.0486	-0.0052	0.0495	-0.0043	0.0610			
Sb	0.0178	-0.0018	0.0141	-0.0089	0.0134			
Se	0.0229	-0.0054	0.0221	-0.0046	0.0232			
Si	1.0783	0.3138	1.0724	0.2555	0.1000			
Sn	0.1882	-0.0206	0.1522	-0.0129	0.1361			
Sr	0.0083	0.0019	0.0078	0.0020	0.0040			
Te	0.0121	-0.0084	0.0187	-0.0102	0.0207			
Th	-0.0060	-0.0046	-0.0019	-0.0034	-0.0054			
Ti	0.0027	-0.0002	0.0025	0.0000	0.0034			
Tl	0.1727	0.0316	0.1649	0.0279	0.0126			
U	0.6735	-0.0726	0.5620	-0.0290	0.7738			
V	0.0070	0.0002	0.0072	0.0005	0.0055			
W	0.1681	0.0220	0.1647	0.0199	0.0089			
Y	0.0020	-0.0006	0.0020	-0.0004	0.0027			
Zn	0.0017	0.0167	0.0023	0.0200	0.0023			
Zr	0.0048	-0.0011	0.0038	-0.0006	0.0055			

Analyze Date: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

Analyst: D SANDERS
Reviewer: 9/19/95

File: m091195d
Reported: 09/11/95
ICP File: 950254a
Data Page 2 of 2

Sample Log#	95-7942-	95-7942-	95-7942-	95-7942-	95-7941-C3			
ID	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample Wt-g	0.5152	0.5152	0.5051	0.5051	0.5102			
Final Vol-mL	50.3	50.3	51.2	51.2	50.8			
Prep Factor	97.71	97.71	101.33	101.33	99.50			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	97.71	488.55	101.33	506.67	99.50			
ICP Run #	14:14	14:09	14:21	14:17	13:49			
Analyte ↓↓	ug/g	ug/g	ug/g	ug/g	ug/g	ug/mL	ug/mL	ug/mL
Ag	0.603	-0.513	0.569	-0.421	0.683			
Al	6780.955	6916.125	6847.851	6846.843	3.225			
As	12.688	11.799	12.833	8.623	1.198			
B	6.066	3.777	9.436	6.911	0.883			
Ba	0.227	0.156	0.223	0.177	0.243			
Be	0.046	0.024	0.047	0.005	0.017			
Bi	2.376	-0.513	1.455	-0.096	1.904			
Ca	146.427	549.624	142.444	688.612	79.291			
Cd	0.085	-0.073	0.030	-0.573	0.226			
Ce	4.276	-1.988	4.344	-0.871	6.081			
Co	2.401	1.451	2.453	1.388	0.479			
Cr	64.008	65.491	64.615	65.512	0.122			
Cu	1.025	-0.831	1.092	-0.628	0.571			
Dy	0.602	-0.357	0.536	-0.218	0.740			
Eu	0.200	-0.098	0.202	-0.025	0.239			
Fe	26.359	29.196	26.630	31.910	1.011			
K	722.364	570.710	734.140	614.097	178.993			
La	1.100	-0.801	1.065	-0.081	1.336			
Li	1.340	0.445	1.390	0.512	0.667			
Mg	4.485	5.281	7.234	5.649	25.026			
Mn	0.130	0.010	0.121	0.030	0.084			
Mo	3.549	2.443	3.416	2.179	0.139			
Na	197773.619	225347.256	204609.343	227957.821	38.739			
Nd	4.331	0.039	4.208	0.927	5.121			
Ni	67.636	69.062	68.579	67.554	0.267			
P	687.844	692.321	744.822	743.652	25.310			
Pb	8.623	1.627	8.629	4.438	2.946			
Pd	10.755	-5.496	10.207	-6.232	13.975			
Rh	4.752	-2.521	5.020	-2.179	6.065			
Sb	1.740	-0.855	1.428	-4.484	1.335			
Se	2.236	-2.614	2.241	-2.321	2.307			
Si	105.361	153.323	108.666	129.449	9.951			
Sn	18.393	-10.084	15.428	-6.541	13.544			
Sr	0.808	0.938	0.792	1.013	0.402			
Te	1.186	-4.084	1.891	-5.183	2.062			
Th	-0.582	-2.257	-0.194	-1.713	-0.532			
Ti	0.260	-0.078	0.248	0.005	0.333			
Tl	16.872	15.458	16.710	14.116	1.257			
U	65.811	-35.479	56.953	-14.678	76.996			
V	0.681	0.088	0.733	0.243	0.550			
W	16.424	10.734	16.691	10.067	0.887			
Y	0.192	-0.313	0.207	-0.187	0.265			
Zn	0.168	8.144	0.231	10.128	0.228			
Zr	0.472	-0.552	0.381	-0.319	0.544			

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

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

ICP ANALYSIS REPORT
** Sample Results -- Water Leach**

Core 99

Analyze Date: 09/11/95
File: m091195e
Report Page 1 of 1

Samp Log#:	Seg 2D 95-7943-C1-Sam	95-7943-C1-Sam@5x		Seg 2D 95-7943-C2-Sam	95-7943-C2-Sam@5x					95-7941-C3 Batch Blk		
Run Time:	14:45	14:41		14:53	14:50					13:49		
Dil Fctr:	92.83	464.14		82.51	412.53					87.48		
ICP Dil:	1.00	5.00		1.00	5.00					1.00		
	|<--------Sample------->			|<--------Duplicate------->			Average		20%	|<-Blank->|	**Estimated**	
Analyte	ug/g	ug/g	%D	ug/g	ug/g	%D	ug/mL	RPD	Flg	ug/g	IDL ug/mL	MDL ug/mL
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	9,171.6	9,165.6	0%	8,772.3	8,599.1	2%	8,972.0	4%		ND	0.060	0.6000
As	(17.1)	ND		(16.1)	ND		---			ND	0.080	0.8000
B	(11.7)	ND		(5.9)	ND		---			ND	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	(5.2)	694.8		(4.3)	640.5		---			69.7	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	(3.7)	ND		(3.6)	ND		---			ND	0.010	0.1000
Cr	107.8	109.3	1%	104.7	105.6	1%	106.2	3%		ND	0.020	0.2000
Cu	(2.9)	ND		(3.9)	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	47.9	(51.3)		46.0	(48.1)		46.9	4%		ND	0.020	0.2000
K	(1,021.2)	(967.3)		(971.0)	(1,013.6)		---			ND	2.000	20.0000
La	ND	ND		ND	ND		---			ND	0.050	0.5000
Li	(19.1)	(19.7)		(5.3)	ND		---			ND	0.030	0.3000
Mg	ND	ND		ND	ND		---			(22.0)	0.100	1.0000
Mn	ND	ND		ND	ND		---			ND	0.005	0.0500
Mo	(5.6)	ND		(5.4)	ND		---			ND	0.030	0.3000
Na	OvrRng	146,848.1		OvrRng	145,525.2		146,186.6	1%		(34.1)	0.080	0.8000
Nd	ND	ND		ND	ND		---			(4.5)	0.050	0.5000
Ni	112.2	(111.9)		110.7	(109.0)		111.4	1%		ND	0.030	0.3000
P	4,535.2	4,411.8	3%	4,424.6	4,276.1	3%	4,479.9	2%		(22.3)	0.100	1.0000
Pb	(5.6)	ND		(5.8)	ND		---			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	(103.1)	ND		(80.0)	ND		---			ND	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	ND	ND		ND	ND		---			ND	0.500	5.0000
U	ND	ND		ND	ND		---			ND	2.000	20.0000
V	(4.4)	ND		(4.0)	ND		---			ND	0.010	0.1000
W	ND	ND		ND	ND		---			ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	ND	(11.2)		ND	(10.1)		---			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 in ug/g "equivalence" to indicate blank effect on sample results.
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/g) = (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 results >MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

Analyze Date: 09/11/95 Analyst: D SANDERS File: m091195e
Project: TWRS Reviewer: M W Thu 9/19/95 Reported: 09/15/95
Procedure: PNL-ALO-211 ICP File: 95D254a
M&TE: JA ICP WB73520 Data Page 2 of 2

Sample Log#	95-7943-	95-7943-	95-7943-	95-7943-	95-7941-C3			
ID	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample Wt-g	0.5738	0.5738	0.6160	0.6160	0.5949			
Final Vol-mL	53.3	53.3	50.8	50.8	52.0			
Prep Factor	92.83	92.83	82.51	82.51	87.48			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	92.83	464.14	82.51	412.53	87.48			
ICP Run #	14:45	14:41	14:53	14:50	13:49			
	ug/g	ug/g	ug/g	ug/g	ug/g	ug/mL	ug/mL	ug/mL
Analyte ↓↓								
Ag	0.889	0.515	0.793	1.056	0.600			
Al	9171.635	9165.603	8772.311	8599.116	2.835			
As	17.097	14.625	16.081	13.717	1.053			
B	11.745	9.023	5.893	3.144	0.776			
Ba	0.090	0.070	0.097	0.161	0.213			
Be	0.026	0.000	0.036	0.041	0.015			
Bi	2.314	2.678	2.067	1.374	1.674			
Ca	5.175	694.763	4.263	640.540	69.713			
Cd	0.051	-0.246	0.000	0.037	0.199			
Ce	4.194	2.516	3.626	4.591	5.346			
Co	3.709	3.189	3.573	3.436	0.421			
Cr	107.768	109.267	104.695	105.609	0.108			
Cu	2.915	1.573	3.892	4.055	0.502			
Dy	0.521	0.060	0.454	0.532	0.651			
Eu	0.184	0.065	0.165	0.252	0.210			
Fe	47.879	51.310	45.977	48.064	0.889			
K	1021.245	967.281	971.050	1013.582	157.371			
La	0.938	0.580	0.921	1.283	1.175			
Li	19.130	19.698	5.252	5.610	0.586			
Mg	2.388	12.949	2.728	15.565	22.003			
Mn	0.152	0.204	0.127	0.231	0.073			
Mo	5.588	4.089	5.381	4.765	0.122			
Na	135809.472	146848.104	135675.417	145525.165	34.059			
Nd	3.486	1.634	3.129	4.674	4.503			
Ni	112.203	111.941	110.677	108.950	0.234			
P	4535.223	4411.760	4424.597	4276.064	22.252			
Pb	5.597	6.331	5.780	12.005	2.590			
Pd	9.290	2.274	8.322	10.111	12.287			
Rh	4.821	2.084	4.210	4.860	5.332			
Sb	1.165	-1.128	1.365	2.021	1.174			
Se	3.727	-1.132	1.804	5.297	2.028			
Si	103.057	141.395	80.015	124.519	8.749			
Sn	17.011	5.115	15.837	10.903	11.907			
Sr	0.111	0.835	0.093	0.784	0.353			
Te	2.011	-1.467	1.808	0.425	1.813			
Th	0.140	-2.687	-0.237	1.134	-0.468			
Ti	0.213	0.060	0.195	0.297	0.293			
Tl	21.524	19.675	20.199	21.163	1.105			
U	56.453	18.821	47.294	54.949	67.695			
V	4.441	4.298	3.967	4.006	0.484			
W	30.617	29.036	29.178	26.720	0.779			
Y	0.185	-0.102	0.166	0.008	0.233			
Zn	0.316	11.246	0.295	10.111	0.200			
Zr	0.335	0.617	0.334	0.149	0.479			

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

ICP RAW DATA --- IEC Corrected

File: m091195e
Reported: 09/15/95
Data Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-AL0-211

	C1-Sam	C1-Sam05x	C2-Sam	C2-Sam05x	Batch Blk			Post Spk
Sample ID:	95-7943-	95-7943-	95-7943-	95-7943-	95-7941-C3			
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	14:45	14:41	14:53	14:50	13:49			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.0096	0.0011	0.0096	0.0026	0.0069			
Al	98.8030	19.7476	106.3225	20.8447	0.0324			
As	0.1842	0.0315	0.1949	0.0333	0.0120			
B	0.1265	0.0194	0.0714	0.0076	0.0089			
Ba	0.0010	0.0002	0.0012	0.0004	0.0024			
Be	0.0003	0.0000	0.0004	0.0001	0.0002			
Bi	0.0249	0.0058	0.0251	0.0033	0.0191			
Ca	0.0558	1.4969	0.0517	1.5527	0.7969			
Cd	0.0006	-0.0005	0.0000	0.0001	0.0023			
Ce	0.0452	0.0054	0.0440	0.0111	0.0611			
Co	0.0400	0.0069	0.0433	0.0083	0.0048			
Cr	1.1609	0.2354	1.2689	0.2560	0.0012			
Cu	0.0314	0.0034	0.0472	0.0098	0.0057			
Dy	0.0056	0.0001	0.0055	0.0013	0.0074			
Eu	0.0020	0.0001	0.0020	0.0006	0.0024			
Fe	0.5158	0.1105	0.5573	0.1165	0.0102			
K	11.0015	2.0840	11.7693	2.4570	1.7989			
La	0.0101	0.0013	0.0112	0.0031	0.0134			
Li	0.2061	0.0424	0.0637	0.0136	0.0067			
Mg	0.0257	0.0279	0.0331	0.0377	0.2515			
Mn	0.0016	0.0004	0.0015	0.0006	0.0008			
Mo	0.0602	0.0088	0.0652	0.0116	0.0014			
Na	1463.0311	316.3893	1644.4178	352.7598	0.3893			
Nd	0.0376	0.0035	0.0379	0.0113	0.0515			
Ni	1.2087	0.2412	1.3414	0.2641	0.0027			
P	48.8565	9.5053	53.6272	10.3654	0.2544			
Pb	0.0603	0.0136	0.0701	0.0291	0.0296			
Pd	0.1001	0.0049	0.1009	0.0245	0.1404			
Rh	0.0519	0.0045	0.0510	0.0118	0.0610			
Sb	0.0126	-0.0024	0.0165	0.0049	0.0134			
Se	0.0402	-0.0024	0.0219	0.0128	0.0232			
Si	1.1102	0.3046	0.9698	0.3018	0.1000			
Sn	0.1832	0.0110	0.1920	0.0264	0.1361			
Sr	0.0012	0.0018	0.0011	0.0019	0.0040			
Te	0.0217	-0.0032	0.0219	0.0010	0.0207			
Th	0.0015	-0.0058	-0.0029	0.0028	-0.0054			
Ti	0.0023	0.0001	0.0024	0.0007	0.0034			
Tl	0.2319	0.0424	0.2448	0.0513	0.0126			
U	0.6081	0.0405	0.5732	0.1332	0.7738			
V	0.0478	0.0093	0.0481	0.0097	0.0055			
W	0.3298	0.0626	0.3536	0.0648	0.0089			
Y	0.0020	-0.0002	0.0020	0.0000	0.0027			
Zn	0.0034	0.0242	0.0036	0.0245	0.0023			
Zr	0.0036	0.0013	0.0041	0.0004	0.0055			

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

ICP ANALYSIS REPORT
** Sample Results -- Water Leach**

Core 99

Analyze Date: 09/11/95
File: m091195f
Report Page 1 of 1

Samp Log#:	Seg 3A 95-7944-C1-Sam	95-7944-C1-Sam@5x		Seg 3A 95-7944-C2-Sam	95-7944-C2-Sam@5x					95-7941-C3 Batch Blk		
Run Time:	15:01	14:57		15:09	15:05					13:49		
Dil Fctr:	97.83	489.14		106.43	532.16					101.95		
ICP Dil:	1.00	5.00		1.00	5.00					1.00		
	|<--------Sample------->			|<--------Duplicate------->			Average		20%	|<-Blank->	**Estimated**	
Analyte	ug/g	ug/g	%D	ug/g	ug/g	%D	ug/mL	RPD	Flg	ug/g	IDL ug/mL	MDL ug/mL
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	10,292.0	10,595.4	3%	9,054.9	9,042.8	0%	9,673.4	13%	*	ND	0.060	0.6000
As	(34.3)	ND		(28.8)	ND		---			ND	0.080	0.8000
B	(8.7)	ND		(14.4)	(11.6)		---			ND	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	105.4	249.9		65.6	(233.6)		85.5	47%	*	81.2	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	(3.1)	ND		(3.0)	ND		---			ND	0.010	0.1000
Cr	104.6	108.8	4%	91.6	(93.4)		98.1	13%	*	ND	0.020	0.2000
Cu	(2.7)	ND		(3.1)	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	43.2	(46.9)		36.5	(41.3)		39.9	17%	*	ND	0.020	0.2000
K	(868.6)	ND		(854.0)	ND		---			ND	2.000	20.0000
La	ND	ND		ND	ND		---			ND	0.050	0.5000
Li	(5.6)	ND		(5.2)	ND		---			ND	0.030	0.3000
Mg	ND	ND		ND	ND		---			(25.6)	0.100	1.0000
Mn	ND	ND		ND	ND		---			ND	0.005	0.0500
Mo	(5.5)	ND		(5.1)	ND		---			ND	0.030	0.3000
Na	OvrRng	194,164.7		OvrRng	194,214.8		194,189.7	0%		(39.7)	0.080	0.8000
Nd	ND	ND		ND	ND		---			(5.2)	0.050	0.5000
Ni	78.3	(79.7)		69.5	(69.6)		73.9	12%	*	ND	0.030	0.3000
P	2,547.2	2,483.6	2%	3,154.1	3,036.8	4%	2,850.7	21%	*	(25.9)	0.100	1.0000
Pb	ND	ND		ND	ND		---			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	(67.5)	ND		(69.4)	ND		---			ND	0.500	5.0000
Sn	ND	ND		ND	ND		---			ND	1.000	10.0000
Sr	(1.5)	ND		(0.9)	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	ND	ND		ND	ND		---			ND	0.500	5.0000
U	ND	ND		ND	ND		---			ND	2.000	20.0000
V	(2.8)	ND		(3.7)	ND		---			ND	0.010	0.1000
W	(263.8)	(256.4)		(231.0)	ND		---			ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	ND	ND		ND	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 in ug/g "equivalence" to indicate blank effect on sample results.
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/g) = (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 results >MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

ICP RAW DATA --- IEC Corrected

File: m091195f
Reported: 09/15/09
Data Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-AL0-211

Sample ID:	C1-Sam 95-7944-	C1-Sam@5x 95-7944-	C2-Sam 95-7944-	C2-Sam@5x 95-7944-	Batch Blk 95-7941-C3			Post Spk
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	15:01	14:57	15:09	15:05	13:49			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	-0.0026	-0.0008	0.0010	0.0012	0.0069			
Al	105.2056	21.6614	85.0769	16.9926	0.0324			
As	0.3508	0.0682	0.2702	0.0538	0.0120			
B	0.0889	0.0122	0.1350	0.0217	0.0089			
Ba	0.0006	0.0002	0.0011	0.0005	0.0024			
Be	0.0001	-0.0001	0.0001	-0.0000	0.0002			
Bi	0.0180	0.0043	0.0173	0.0076	0.0191			
Ca	1.0779	0.5110	0.6168	0.4390	0.7969			
Cd	-0.0009	0.0004	-0.0011	-0.0001	0.0023			
Ce	0.0087	0.0037	0.0263	0.0108	0.0611			
Co	0.0318	0.0066	0.0280	0.0063	0.0048			
Cr	1.0694	0.2224	0.8603	0.1754	0.0012			
Cu	0.0278	0.0035	0.0295	0.0031	0.0057			
Dy	0.0011	0.0003	0.0037	0.0017	0.0074			
Eu	0.0007	0.0002	0.0015	0.0007	0.0024			
Fe	0.4411	0.0959	0.3434	0.0776	0.0102			
K	8.8791	1.9140	8.0236	1.8701	1.7989			
La	0.0032	0.0011	0.0074	0.0033	0.0134			
Li	0.0571	0.0120	0.0489	0.0109	0.0067			
Mg	0.0936	0.0308	0.0446	0.0360	0.2515			
Mn	0.0011	0.0003	0.0009	0.0004	0.0008			
Mo	0.0564	0.0108	0.0479	0.0098	0.0014			
Na	1777.1881	396.9537	1685.9541	364.9560	0.3893			
Nd	0.0070	0.0051	0.0257	0.0124	0.0515			
Ni	0.8000	0.1629	0.6529	0.1308	0.0027			
P	26.0378	5.0776	29.6348	5.7066	0.2544			
Pb	0.0247	-0.0003	0.0492	0.0142	0.0296			
Pd	0.0134	0.0081	0.0629	0.0331	0.1404			
Rh	0.0073	0.0020	0.0301	0.0149	0.0610			
Sb	0.0024	-0.0028	0.0074	-0.0000	0.0134			
Se	0.0558	0.0131	0.0428	0.0125	0.0232			
Si	0.6896	0.2294	0.6523	0.2137	0.1000			
Sn	0.0469	0.0176	0.1091	0.0317	0.1361			
Sr	0.0152	0.0042	0.0086	0.0042	0.0040			
Te	0.0007	-0.0019	0.0152	0.0084	0.0207			
Th	-0.0037	-0.0022	-0.0051	0.0015	-0.0054			
Ti	0.0002	-0.0000	0.0016	0.0009	0.0034			
Tl	0.2954	0.0572	0.2344	0.0575	0.0126			
U	0.3767	0.1116	0.5651	0.2421	0.7738			
V	0.0282	0.0057	0.0346	0.0079	0.0055			
W	2.6970	0.5243	2.1703	0.4160	0.0089			
Y	0.0000	-0.0003	0.0011	0.0003	0.0027			
Zn	0.0058	0.0095	0.0023	0.0061	0.0023			
Zr	0.0002	0.0003	0.0024	0.0010	0.0055			

Analyze Date: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

Analyst: D SADDERS
Reviewer: MWThu 9/19/95

File: m091195f
Reported: 09/15/09
ICP File: 95D254a
Data Page 2 of 2

Sample Log#	95-7944-	95-7944-	95-7944-	95-7944-	95-7941-C3			
ID	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample Wt-g	0.5242	0.5242	0.4823	0.4823	0.5033			
Final Vol-mL	51.3	51.3	51.3	51.3	51.3			
Prep Factor	97.83	97.83	106.43	106.43	101.95			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	97.83	489.14	106.43	532.16	101.95			
ICP Run #	15:01	14:57	15:09	15:05	13:49			
	ug/g	ug/g	ug/g	ug/g	ug/g	ug/mL	ug/mL	ug/mL
Analyte ↓↓								
Ag	-0.254	-0.367	0.107	0.612	0.699			
Al	10291.989	10595.392	9054.897	9042.789	3.304			
As	34.316	33.374	28.756	28.614	1.227			
B	8.695	5.967	14.373	11.559	0.904			
Ba	0.061	0.113	0.116	0.287	0.249			
Be	0.005	-0.024	0.010	-0.011	0.017			
Bi	1.763	2.089	1.837	4.066	1.950			
Ca	105.446	249.924	65.649	233.597	81.240			
Cd	-0.084	0.186	-0.120	-0.032	0.231			
Ce	0.847	1.820	2.801	5.721	6.230			
Co	3.112	3.228	2.980	3.326	0.490			
Cr	104.620	108.784	91.561	93.362	0.125			
Cu	2.721	1.697	3.140	1.644	0.585			
Dy	0.108	0.147	0.395	0.889	0.759			
Eu	0.064	0.083	0.154	0.394	0.245			
Fe	43.157	46.923	36.546	41.290	1.036			
K	868.620	936.218	853.962	995.218	183.394			
La	0.311	0.553	0.783	1.745	1.369			
Li	5.583	5.860	5.205	5.822	0.683			
Mg	9.160	15.041	4.750	19.158	25.642			
Mn	0.108	0.142	0.100	0.218	0.086			
Mo	5.519	5.288	5.093	5.194	0.143			
Na	173857.614	194164.655	179439.279	194214.793	39.691			
Nd	0.684	2.509	2.730	6.572	5.247			
Ni	78.261	79.671	69.486	69.596	0.273			
P	2547.208	2483.641	3154.092	3036.848	25.932			
Pb	2.417	-0.161	5.232	7.535	3.019			
Pd	1.310	3.938	6.696	17.636	14.319			
Rh	0.711	0.954	3.200	7.903	6.214			
Sb	0.231	-1.350	0.784	-0.005	1.368			
Se	5.461	6.388	4.554	6.647	2.363			
Si	67.464	112.228	69.426	113.712	10.196			
Sn	4.587	8.628	11.610	16.853	13.876			
Sr	1.484	2.040	0.910	2.214	0.412			
Te	0.064	-0.929	1.615	4.465	2.112			
Th	-0.364	-1.061	-0.545	0.814	-0.545			
Ti	0.019	-0.020	0.167	0.500	0.342			
Tl	28.897	27.954	24.950	30.573	1.288			
U	36.856	54.578	60.145	128.841	78.889			
V	2.760	2.764	3.683	4.215	0.564			
W	263.837	256.435	230.987	221.378	0.908			
Y	0.003	-0.147	0.114	0.181	0.271			
Zn	0.570	4.637	0.243	3.251	0.233			
Zr	0.023	0.152	0.253	0.527	0.558			

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

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

ICP ANALYSIS REPORT
** Sample Results -- Water Leach**

Analyze Date: 09/11/95
File: m091195g
Report Page 1 of 1

Core 99

Samp Log#:	Seg 4A 95-7945-C1-Sam	95-7945-C1-Sam@5x		Seg 4A 95-7945-C2-Sam	95-7945-C2-Sam@5x					95-7941-C3 Batch Blk		
Run Time:	15:28	15:25		15:36	15:32					13:49		
Dil Fctr:	105.43	527.16		73.18	365.90					86.63		
ICP Dil:	1.00	5.00		1.00	5.00					1.00	**Estimated**	
	|<--------Sample------->			|<--------Duplicate------->			Average		20%	|<-Blank->	IDL	MDL
Analyte	ug/g	ug/g	%D	ug/g	ug/g	%D	ug/mL	RPD	Flg	ug/g	ug/mL	ug/mL
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	8,008.7	8,012.1	0%	5,946.4	6,199.2	4%	6,977.5	30%	*	ND	0.060	0.6000
As	(21.4)	ND		(22.1)	ND		---			ND	0.080	0.8000
B	(9.5)	ND		(11.4)	(9.0)		---			ND	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	(43.5)	(80.1)		(27.4)	(67.0)		---			69.0	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	(8.1)	(6.6)		(6.1)	(5.2)		---			ND	0.010	0.1000
Cr	69.4	(67.7)		51.4	(52.6)		60.4	30%	*	ND	0.020	0.2000
Cu	ND	ND		ND	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	407.3	412.2	1%	284.3	297.9	5%	345.8	36%	*	ND	0.020	0.2000
K	(1,052.4)	ND		(782.6)	ND		---			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		---			(21.8)	0.100	1.0000
Mn	ND	ND		ND	ND		---			ND	0.005	0.0500
Mo	(5.0)	ND		(3.8)	ND		---			ND	0.030	0.3000
Na	OvrRng	152,083.3		OvrRng	150,451.7		151,267.5	1%		(33.7)	0.080	0.8000
Nd	ND	ND		ND	ND		---			(4.5)	0.050	0.5000
Ni	581.9	586.4	1%	355.4	369.3	4%	468.6	48%	*	ND	0.030	0.3000
P	6,956.6	6,664.3	4%	4,065.3	3,999.2	2%	5,510.9	52%	*	(22.0)	0.100	1.0000
Pb	ND	ND		ND	ND		---			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		---			ND	0.500	5.0000
Sn	ND	ND		ND	ND		---			ND	1.000	10.0000
Sr	(2.9)	(3.5)		(0.7)	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	ND	ND		ND	ND		---			ND	0.500	5.0000
U	ND	ND		ND	ND		---			ND	2.000	20.0000
V	(1.3)	ND		(0.8)	ND		---			ND	0.010	0.1000
W	(62.1)	ND		(46.7)	ND		---			ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	ND	ND		ND	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 in ug/g "equivalence" to indicate blank effect on sample results.
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/g) = (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 results >MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

ICP RAW DATA --- IEC Corrected

File: m091195g
Reported: 09/11/95
Data Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211

	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample ID:	95-7945-	95-7945-	95-7945-	95-7945-	95-7941-C3			
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	15:28	15:25	15:36	15:32	13:49			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.0000	-0.0030	-0.0007	-0.0037	0.0069			
Al	75.9615	15.1987	81.2569	16.9422	0.0324			
As	0.2026	0.0288	0.3015	0.0536	0.0120			
B	0.0903	0.0096	0.1555	0.0245	0.0089			
Ba	0.0004	-0.0006	0.0003	-0.0006	0.0024			
Be	0.0000	-0.0001	0.0000	-0.0001	0.0002			
Bi	0.0099	-0.0049	0.0209	-0.0085	0.0191			
Ca	0.4126	0.1519	0.3748	0.1832	0.7969			
Cd	-0.0003	-0.0010	-0.0014	-0.0006	0.0023			
Ce	0.0034	-0.0035	0.0065	-0.0193	0.0611			
Co	0.0771	0.0126	0.0838	0.0142	0.0048			
Cr	0.6583	0.1284	0.7028	0.1438	0.0012			
Cu	-0.0010	-0.0057	-0.0027	-0.0072	0.0057			
Dy	0.0007	-0.0027	0.0000	-0.0030	0.0074			
Eu	0.0005	-0.0008	0.0005	-0.0009	0.0024			
Fe	3.8636	0.7820	3.8845	0.8141	0.0102			
K	9.9815	1.5082	10.6944	1.5959	1.7989			
La	0.0017	-0.0041	0.0011	-0.0053	0.0134			
Li	0.0018	-0.0014	0.0033	-0.0022	0.0067			
Mg	0.0680	-0.0027	0.0569	-0.0074	0.2515			
Mn	0.0010	-0.0001	0.0008	-0.0002	0.0008			
Mo	0.0471	0.0061	0.0520	0.0069	0.0014			
Na	1332.0570	288.4978	1815.8955	411.1821	0.3893			
Nd	0.0057	-0.0161	0.0024	-0.0178	0.0515			
Ni	5.5194	1.1124	4.8562	1.0092	0.0027			
P	65.9819	12.6421	55.5526	10.9297	0.2544			
Pb	0.0012	-0.0176	0.0110	-0.0230	0.0296			
Pd	0.0066	-0.0533	-0.0069	-0.0622	0.1404			
Rh	0.0186	-0.0210	0.0157	-0.0245	0.0610			
Sb	0.0003	-0.0222	0.0074	-0.0071	0.0134			
Se	0.0425	-0.0050	0.0538	0.0087	0.0232			
Si	0.3546	0.1266	0.3779	0.1375	0.1000			
Sn	0.0127	-0.1006	0.0195	-0.1176	0.1361			
Sr	0.0271	0.0067	0.0094	0.0022	0.0040			
Te	0.0109	-0.0137	0.0084	-0.0169	0.0207			
Th	0.0026	-0.0033	0.0052	-0.0042	-0.0054			
Ti	0.0003	-0.0011	0.0002	-0.0012	0.0034			
Tl	0.1995	0.0383	0.2455	0.0425	0.0126			
U	0.2979	-0.2280	0.5859	-0.1433	0.7738			
V	0.0124	0.0004	0.0106	-0.0002	0.0055			
W	0.5893	0.1004	0.6381	0.1130	0.0089			
Y	-0.0001	-0.0014	-0.0003	-0.0019	0.0027			
Zn	-0.0011	0.0007	0.0006	0.0019	0.0023			
Zr	-0.0002	-0.0013	-0.0010	-0.0024	0.0055			

LAD 12-19-95

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

Analyze Date: 09/11/95 Analyst: D SANDERS
Project: TWRS
Procedure: PNL-ALO-211 Reviewer: M W Thu 9/9/95
M&TE: JA ICP WB73520

File: m091195g
Reported: 09/11/95
ICP File: 95D254a
Data Page 2 of 2

Sample Log#	95-7945-	95-7945-	95-7945-	95-7945-	95-7941-C3			
ID	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample Wt-g	0.4889	0.4889	0.6835	0.6835	0.5862			
Final Vol-mL	51.5	51.5	50.0	50.0	50.8			
Prep Factor	105.43	105.43	73.18	73.18	86.63			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	105.43	527.16	73.18	365.90	86.63			
ICP Run #	15:28	15:25	15:36	15:32	13:49			
	ug/g	ug/g	ug/g	ug/g	ug/g	ug/mL	ug/mL	ug/mL
Analyte ↓↓								
Ag	0.004	-1.560	-0.050	-1.347	0.594			
Al	8008.710	8012.078	5946.385	6199.163	2.808			
As	21.359	15.177	22.064	19.623	1.043			
B	9.523	5.082	11.377	8.961	0.768			
Ba	0.044	-0.332	0.019	-0.216	0.211			
Be	0.002	-0.053	0.000	-0.044	0.015			
Bi	1.048	-2.583	1.531	-3.121	1.657			
Ca	43.500	80.080	27.425	67.033	69.031			
Cd	-0.035	-0.527	-0.102	-0.205	0.197			
Ce	0.355	-1.845	0.475	-7.066	5.294			
Co	8.125	6.642	6.132	5.188	0.417			
Cr	69.404	67.708	51.433	52.613	0.107			
Cu	-0.100	-2.984	-0.201	-2.631	0.497			
Dy	0.074	-1.439	0.002	-1.090	0.645			
Eu	0.047	-0.416	0.039	-0.344	0.208			
Fe	407.341	412.231	284.267	297.865	0.880			
K	1052.357	795.046	782.619	583.952	155.833			
La	0.180	-2.146	0.078	-1.954	1.163			
Li	0.189	-0.738	0.241	-0.809	0.580			
Mg	7.174	-1.408	4.161	-2.704	21.788			
Mn	0.104	-0.042	0.061	-0.059	0.073			
Mo	4.963	3.210	3.805	2.517	0.121			
Na	140440.331	152083.322	132887.419	150451.726	33.726			
Nd	0.601	-8.498	0.173	-6.509	4.459			
Ni	581.915	586.429	355.379	369.267	0.232			
P	6956.554	6664.347	4065.345	3999.183	22.035			
Pb	0.121	-9.273	0.804	-8.405	2.565			
Pd	0.694	-28.113	-0.501	-22.759	12.167			
Rh	1.959	-11.060	1.146	-8.965	5.280			
Sb	0.031	-11.687	0.544	-2.580	1.163			
Se	4.484	-2.631	3.934	3.165	2.008			
Si	37.383	66.727	27.651	50.300	8.664			
Sn	1.334	-53.042	1.425	-43.045	11.791			
Sr	2.860	3.532	0.687	0.805	0.350			
Te	1.146	-7.217	0.612	-6.198	1.795			
Th	0.276	-1.719	0.377	-1.529	-0.463			
Ti	0.030	-0.559	0.012	-0.428	0.290			
Tl	21.030	20.206	17.965	15.551	1.094			
U	31.405	-120.170	42.876	-52.423	67.034			
V	1.302	0.200	0.774	-0.077	0.479			
W	62.131	52.932	46.695	41.361	0.772			
Y	-0.008	-0.749	-0.024	-0.684	0.230			
Zn	-0.113	0.343	0.041	0.695	0.198			
Zr	-0.017	-0.685	-0.075	-0.878	0.474			

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

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

ICP ANALYSIS REPORT
** Sample Results -- Water Leach**

Core 99

Analyze Date: 09/11/95
File: m091195h
Report Page 1 of 1

Analyte	Seg 4B 95-7946-C1-Sam Sample ug/g	Seg 4B 95-7946-C1-Sam@5x Sample ug/g	%D	Seg 4B 95-7946-C2-Sam Duplicate ug/g	95-7946-C2-Sam@5x Duplicate ug/g	%D	Average ug/mL	RPD	20% Flg	95-7941-C3 Batch Blk Blank ug/g	**Estimated** IDL ug/mL	MDL ug/mL
Run Time:	15:44	15:40		15:51	15:47					13:49		
Dil Fctr:	125.46	627.31		90.95	454.76					105.28		
ICP Dil:	1.00	5.00		1.00	5.00					1.00		
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	6,580.1	6,599.5	0%	5,897.6	5,860.7	1%	6,238.9	11%	*	ND	0.060	0.6000
As	(16.2)	ND		(14.5)	ND		---			ND	0.080	0.8000
B	(12.3)	ND		(11.2)	ND		---			ND	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	(21.5)	343.1		(14.2)	335.2		---			83.9	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	13.8	(13.8)		12.5	(12.9)		13.1	10%		ND	0.010	0.1000
Cr	73.9	(73.3)		68.2	(68.9)		71.1	8%		ND	0.020	0.2000
Cu	ND	ND		ND	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	486.4	497.7	2%	434.0	445.5	3%	460.2	11%	*	ND	0.020	0.2000
K	(1,355.5)	ND		(1,251.0)	(1,331.8)		---			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		---			(26.5)	0.100	1.0000
Mn	ND	ND		ND	ND		---			ND	0.005	0.0500
Mo	(4.4)	ND		(4.2)	ND		---			ND	0.030	0.3000
Na	103,587.5	110,110.0	6%	OvrRng	107,796.7		108,953.4	2%		(41.0)	0.080	0.8000
Nd	ND	ND		ND	ND		---			(5.4)	0.050	0.5000
Ni	921.1	936.7	2%	740.4	748.6	1%	830.7	22%	*	ND	0.030	0.3000
P	10,239.4	9,957.4	3%	14,479.4	13,966.0	4%	12,359.4	34%	*	(26.8)	0.100	1.0000
Pb	ND	ND		ND	ND		---			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		---			ND	0.500	5.0000
Sn	ND	ND		ND	ND		---			ND	1.000	10.0000
Sr	(3.3)	(5.9)		(2.1)	(9.5)		---			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	ND	ND		ND	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	ND	ND		ND	ND		---			ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	ND	ND		ND	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 in ug/g "equivalence" to indicate blank effect on sample results.
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/g) = (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 results >MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

Analyze Date: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

Analyst: D SANDERS
Reviewer: MW Thu 9/14/95

File: m091195h
Reported: 09/15/95
ICP File: 95D254a
Data Page 2 of 2

Sample Log# ID	95-7946-C1-Sam	95-7946-C1-Sam@5x	95-7946-C2-Sam	95-7946-C2-Sam@5x	95-7941-C3 Batch Blk			Post Spk
Sample Wt-g	0.3985	0.3985	0.5613	0.5613	0.4799			
Final Vol-mL	50.0	50.0	51.1	51.1	50.5			
Prep Factor	125.46	125.46	90.95	90.95	105.28			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	125.46	627.31	90.95	454.76	105.28			
ICP Run #	15:44	15:40	15:51	15:47	13:49			
Analyte ↓↓	ug/g	ug/g	ug/g	ug/g	ug/g	ug/mL	ug/mL	ug/mL
Ag	0.227	-1.060	0.360	0.359	0.722			
Al	6580.114	6599.453	5897.590	5860.668	3.412			
As	16.234	19.999	14.491	15.862	1.268			
B	12.264	7.716	11.178	7.649	0.934			
Ba	0.147	-0.019	0.160	0.464	0.257			
Be	0.009	-0.044	0.013	0.000	0.018			
Bi	2.817	-0.878	2.508	5.507	2.014			
Ca	21.531	343.147	14.163	335.203	83.894			
Cd	0.089	-0.263	0.208	0.027	0.239			
Ce	1.792	-6.612	2.599	2.815	6.434			
Co	13.810	13.820	12.479	12.938	0.506			
Cr	73.930	73.295	68.217	68.865	0.129			
Cu	-0.245	-3.312	0.113	-1.237	0.604			
Dy	0.294	-0.828	0.418	0.682	0.783			
Eu	0.099	-0.226	0.147	0.173	0.253			
Fe	486.391	497.742	433.963	445.460	1.070			
K	1355.513	1173.171	1251.028	1331.833	189.385			
La	0.380	-1.656	0.717	0.759	1.414			
Li	0.257	-0.251	0.418	0.223	0.705			
Mg	5.297	7.070	5.066	18.977	26.479			
Mn	0.130	0.144	0.127	0.327	0.088			
Mo	4.385	3.005	4.248	3.115	0.147			
Na	103587.521	110109.992	101545.700	107796.714	40.988			
Nd	1.721	-4.617	2.311	4.861	5.419			
Ni	921.083	936.717	740.381	748.611	0.282			
P	10239.434	9957.400	14479.387	13966.005	26.779			
Pb	1.646	-10.181	2.301	-0.659	3.117			
Pd	3.977	-15.482	6.490	6.617	14.787			
Rh	4.963	-4.604	5.598	6.148	6.417			
Sb	0.104	-3.613	0.998	-3.233	1.413			
Se	2.502	-1.857	3.575	5.343	2.440			
Si	18.609	20.080	15.846	10.155	10.529			
Sn	4.863	-23.399	10.675	0.755	14.330			
Sr	3.316	5.859	2.074	9.477	0.425			
Te	2.090	-6.769	4.335	0.523	2.181			
Th	0.824	-1.449	0.871	0.491	-0.563			
Ti	0.120	-0.270	0.168	0.182	0.353			
Tl	17.745	22.263	16.546	18.668	1.330			
U	69.981	-28.863	68.796	131.786	81.467			
V	0.391	-0.458	0.527	0.696	0.582			
W	11.083	5.821	10.496	6.817	0.938			
Y	0.050	-0.640	0.128	0.045	0.280			
Zn	-0.458	5.370	-0.163	5.303	0.241			
Zr	0.077	-0.878	0.216	0.177	0.576			

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

ICP RAW DATA --- IEC Corrected

File: m091195h
Reported: 09/15/95
Data Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211

	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample ID:	95-7946-	95-7946-	95-7946-	95-7946-	95-7941-C3			
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	15:44	15:40	15:51	15:47	13:49			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	0.0018	-0.0017	0.0040	0.0008	0.0069			
Al	52.4468	10.5202	64.8422	12.8872	0.0324			
As	0.1294	0.0319	0.1593	0.0349	0.0120			
B	0.0978	0.0123	0.1229	0.0168	0.0089			
Ba	0.0012	-0.0000	0.0018	0.0010	0.0024			
Be	0.0001	-0.0001	0.0001	0.0000	0.0002			
Bi	0.0225	-0.0014	0.0276	0.0121	0.0191			
Ca	0.1716	0.5470	0.1557	0.7371	0.7969			
Cd	0.0007	-0.0004	0.0023	0.0001	0.0023			
Ce	0.0143	-0.0105	0.0286	0.0062	0.0611			
Co	0.1101	0.0220	0.1372	0.0285	0.0048			
Cr	0.5893	0.1168	0.7500	0.1514	0.0012			
Cu	-0.0020	-0.0053	0.0012	-0.0027	0.0057			
Dy	0.0023	-0.0013	0.0046	0.0015	0.0074			
Eu	0.0008	-0.0004	0.0016	0.0004	0.0024			
Fe	3.8768	0.7934	4.7713	0.9795	0.0102			
K	10.8041	1.8701	13.7547	2.9286	1.7989			
La	0.0030	-0.0026	0.0079	0.0017	0.0134			
Li	0.0021	-0.0004	0.0046	0.0005	0.0067			
Mg	0.0422	0.0113	0.0557	0.0417	0.2515			
Mn	0.0010	0.0002	0.0014	0.0007	0.0008			
Mo	0.0350	0.0048	0.0467	0.0069	0.0014			
Na	825.6437	175.5262	1116.4639	237.0384	0.3893			
Nd	0.0137	-0.0074	0.0254	0.0107	0.0515			
Ni	7.3415	1.4932	8.1403	1.6462	0.0027			
P	81.6133	15.8731	159.1964	30.7104	0.2544			
Pb	0.0131	-0.0162	0.0253	-0.0015	0.0296			
Pd	0.0317	-0.0247	0.0714	0.0146	0.1404			
Rh	0.0396	-0.0073	0.0616	0.0135	0.0610			
Sb	0.0008	-0.0058	0.0110	-0.0071	0.0134			
Se	0.0199	-0.0030	0.0393	0.0118	0.0232			
Si	0.1483	0.0320	0.1742	0.0223	0.1000			
Sn	0.0388	-0.0373	0.1174	0.0017	0.1361			
Sr	0.0264	0.0093	0.0228	0.0208	0.0040			
Te	0.0167	-0.0108	0.0477	0.0012	0.0207			
Th	0.0066	-0.0023	0.0096	0.0011	-0.0054			
Ti	0.0010	-0.0004	0.0019	0.0004	0.0034			
Tl	0.1414	0.0355	0.1819	0.0411	0.0126			
U	0.5578	-0.0460	0.7564	0.2898	0.7738			
V	0.0031	-0.0007	0.0058	0.0015	0.0055			
W	0.0883	0.0093	0.1154	0.0150	0.0089			
Y	0.0004	-0.0010	0.0014	0.0001	0.0027			
Zn	-0.0037	0.0086	-0.0018	0.0117	0.0023			
Zr	0.0006	-0.0014	0.0024	0.0004	0.0055			

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

ICP ANALYSIS REPORT
** Sample Results -- Water Leach**

Core 99

Analyze Date: 09/11/95
File: m091195i
Report Page 1 of 1

Samp Log#:	Seg 4C 95-7947-C1-Sam	95-7947-C1-Sam@5x		Seg 4C 95-7947-C2-Sam	95-7947-C2-Sam@5x					95-7941-C3 Batch Blk		
Run Time:	16:08	16:04		16:16	16:11					13:49		
Dil Fctr:	109.48	547.40		96.62	483.10					102.67		
ICP Dil:	1.00	5.00		1.00	5.00					1.00	**Estimated**	
Analyte	Sample ug/g	Sample ug/g	%D	Duplicate ug/g	Duplicate ug/g	%D	Average ug/mL	RPD	20% Flg	Blank ug/g	IDL ug/mL	MDL ug/mL
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	5,041.3	5,121.2	2%	5,053.4	5,163.0	2%	5,047.4	0%		ND	0.060	0.6000
As	(21.2)	ND		(17.8)	ND		---			ND	0.080	0.8000
B	22.5	(17.9)		21.2	(18.2)		21.8	6%		ND	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	(45.5)	(112.1)		101.1	(146.2)		---			81.8	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	12.6	(12.3)		12.2	(12.0)		12.4	4%		ND	0.010	0.1000
Cr	27.8	(27.3)		26.7	(27.4)		27.3	4%		ND	0.020	0.2000
Cu	ND	ND		ND	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	418.8	450.8	8%	455.8	491.3	8%	437.3	8%		ND	0.020	0.2000
K	(1,056.7)	ND		(1,108.0)	ND		---			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		(9.9)	ND		---			(25.8)	0.100	1.0000
Mn	ND	ND		(0.9)	ND		---			ND	0.005	0.0500
Mo	(3.9)	ND		(3.7)	ND		---			ND	0.030	0.3000
Na	OvrRng	145,639.7		OvrRng	147,319.0		146,479.3	1%		(40.0)	0.080	0.8000
Nd	ND	ND		ND	ND		---			(5.3)	0.050	0.5000
Ni	1,032.9	1,049.6	2%	779.2	812.8	4%	906.0	28%	*	ND	0.030	0.3000
P	21,705.1	21,017.8	3%	23,912.8	23,448.7	2%	22,808.9	10%		(26.1)	0.100	1.0000
Pb	ND	ND		ND	ND		---			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		---			ND	0.500	5.0000
Sn	ND	ND		ND	ND		---			ND	1.000	10.0000
Sr	(1.6)	(2.8)		(4.0)	(5.1)		---			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	ND	ND		ND	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	ND	ND		ND	ND		---			ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	ND	ND		ND	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 in ug/g "equivalence" to indicate blank effect on sample results.
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/g) = (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 results >MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

ICP RAW DATA --- IEC Corrected

File: m0911951
Reported: 09/15/95
Date Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211

	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample ID:	95-7947-	95-7947-	95-7947-	95-7947-	95-7941-C3			
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	16:08	16:04	16:16	16:11	13:49			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	-0.0001	-0.0015	-0.0007	-0.0027	0.0069			
Al	46.0478	9.3555	52.3017	10.6872	0.0324			
As	0.1937	0.0270	0.1839	0.0227	0.0120			
B	0.2051	0.0328	0.2197	0.0377	0.0089			
Ba	0.0007	-0.0001	0.0024	0.0001	0.0024			
Be	0.0000	-0.0001	0.0000	-0.0001	0.0002			
Bi	0.0276	0.0045	0.0387	0.0031	0.0191			
Ca	0.4154	0.2047	1.0467	0.3027	0.7969			
Cd	0.0004	-0.0002	-0.0001	0.0007	0.0023			
Ce	0.0070	-0.0053	-0.0019	-0.0155	0.0611			
Co	0.1152	0.0224	0.1259	0.0249	0.0048			
Cr	0.2539	0.0499	0.2765	0.0567	0.0012			
Cu	0.0063	-0.0031	0.0068	-0.0035	0.0057			
Dy	0.0011	-0.0011	-0.0001	-0.0018	0.0074			
Eu	0.0006	-0.0004	0.0003	-0.0005	0.0024			
Fe	3.8250	0.8236	4.7170	1.0170	0.0102			
K	9.6524	1.8318	11.4677	1.8208	1.7989			
La	0.0020	-0.0012	0.0004	-0.0031	0.0134			
Li	0.0031	-0.0003	0.0014	-0.0006	0.0067			
Mg	0.0448	0.0090	0.1030	0.0124	0.2515			
Mn	0.0036	0.0009	0.0095	0.0020	0.0008			
Mo	0.0353	0.0042	0.0379	0.0043	0.0014			
Na	1217.9319	266.0580	1414.9038	304.9434	0.3893			
Nd	0.0065	-0.0055	0.0020	-0.0112	0.0515			
Ni	9.4349	1.9174	8.0642	1.6825	0.0027			
P	198.2567	38.3958	247.4917	48.5378	0.2544			
Pb	0.0115	-0.0114	0.0272	-0.0166	0.0296			
Pd	0.0021	-0.0227	-0.0179	-0.0423	0.1404			
Rh	0.0312	-0.0054	0.0245	-0.0123	0.0610			
Sb	0.0133	-0.0102	0.0094	-0.0092	0.0134			
Se	0.0458	0.0046	0.0359	0.0071	0.0232			
Si	0.3257	0.0714	0.3540	0.0443	0.1000			
Sn	0.0009	-0.0598	0.0050	-0.0661	0.1361			
Sr	0.0146	0.0052	0.0409	0.0105	0.0040			
Te	0.0568	-0.0056	0.0543	-0.0038	0.0207			
Th	0.0089	-0.0042	0.0144	0.0032	-0.0054			
Ti	0.0007	-0.0003	0.0006	-0.0008	0.0034			
Tl	0.1676	0.0218	0.1570	0.0308	0.0126			
U	0.4790	-0.0309	0.7448	-0.0805	0.7738			
V	0.0052	0.0001	0.0053	-0.0007	0.0055			
W	0.0907	0.0107	0.0879	0.0069	0.0089			
Y	0.0001	-0.0007	-0.0000	-0.0010	0.0027			
Zn	0.0001	0.0032	0.0056	0.0025	0.0023			
Zr	0.0004	0.0008	0.0001	-0.0022	0.0055			

Analyze Date: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

Analyst: D Sanders
Reviewer: MLO 9/14/95

File: m0911951
Reported: 09/15/95
ICP File: 950254a
Data Page 2 of 2

Sample Log#	95-7947-	95-7947-	95-7947-	95-7947-	95-7941-C3			
ID	C1-Sam	C1-Sam@5x	C2-Sam	C2-Sam@5x	Batch Blk			Post Spk
Sample Wt-g	0.4616	0.4616	0.5202	0.5202	0.4909			
Final Vol-mL	50.5	50.5	50.3	50.3	50.4			
Prep Factor	109.48	109.48	96.62	96.62	102.67			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	109.48	547.40	96.62	483.10	102.67			
ICP Run #	16:08	16:04	16:16	16:11	13:49			
Analyte ↓↓	ug/g	ug/g	ug/g	ug/g	ug/g	ug/mL	ug/mL	ug/mL
Ag	-0.010	-0.794	-0.070	-1.309	0.704			
Al	5041.294	5121.195	5053.421	5163.024	3.327			
As	21.211	14.752	17.766	10.966	1.236			
B	22.459	17.944	21.226	18.208	0.911			
Ba	0.077	-0.038	0.228	0.058	0.251			
Be	0.002	-0.055	0.003	-0.034	0.017			
Bi	3.017	2.474	3.736	1.488	1.964			
Ca	45.477	112.074	101.129	146.216	81.811			
Cd	0.048	-0.082	-0.007	0.357	0.233			
Ce	0.771	-2.890	-0.181	-7.488	6.274			
Co	12.608	12.262	12.164	12.010	0.494			
Cr	27.801	27.315	26.718	27.411	0.126			
Cu	0.693	-1.708	0.654	-1.667	0.589			
Dy	0.116	-0.597	-0.007	-0.889	0.764			
Eu	0.061	-0.203	0.029	-0.246	0.246			
Fe	418.764	450.815	455.755	491.330	1.043			
K	1056.741	1002.702	1108.016	879.628	184.681			
La	0.215	-0.662	0.038	-1.473	1.379			
Li	0.336	-0.137	0.133	-0.295	0.688			
Mg	4.906	4.943	9.949	6.000	25.822			
Mn	0.399	0.515	0.915	0.986	0.086			
Mo	3.862	2.305	3.665	2.077	0.144			
Na	133338.739	145639.654	136708.756	147318.990	39.970			
Nd	0.707	-2.994	0.192	-5.420	5.284			
Ni	1032.926	1049.559	779.170	812.796	0.275			
P	21705.072	21017.807	23912.777	23448.730	26.114			
Pb	1.254	-6.262	2.628	-8.000	3.040			
Pd	0.234	-12.410	-1.728	-20.421	14.419			
Rh	3.418	-2.934	2.370	-5.947	6.258			
Sb	1.455	-5.556	0.907	-4.445	1.378			
Se	5.020	2.496	3.471	3.416	2.380			
Si	35.663	39.090	34.200	21.382	10.268			
Sn	0.096	-32.751	0.486	-31.948	13.974			
Sr	1.603	2.819	3.953	5.073	0.415			
Te	6.223	-3.087	5.246	-1.836	2.127			
Th	0.969	-2.288	1.395	1.527	-0.549			
Ti	0.074	-0.181	0.058	-0.367	0.344			
Tl	18.351	11.922	15.166	14.880	1.297			
U	52.442	-16.887	71.962	-38.885	79.443			
V	0.570	0.060	0.511	-0.338	0.568			
W	9.925	5.879	8.490	3.338	0.915			
Y	0.014	-0.389	-0.003	-0.473	0.273			
Zn	0.013	1.757	0.539	1.188	0.235			
Zr	0.048	0.454	0.012	-1.044	0.562			

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

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

ICP ANALYSIS REPORT
** Sample Results -- Water Leach**

Analyze Date: 09/11/95
File: m091195j
Report Page 1 of 1

Core 99

Samp Log#:	Seg 4D 95-7948-C1-Sam	95-7948-C1-Sam@5x		Seg 4D 95-7948-C2-Sam	95-7948-C2-Sam@5x					95-7941-C3 Batch Blk		
Run Time:	16:24	16:20		16:31	16:27					13:49		
Dil Fctr:	104.60	523.01		78.36	391.79					89.59		
ICP Dil:	1.00	5.00		1.00	5.00					1.00	**Estimated**	
	|<--------Sample------->			|<--------Duplicate------->			Average		20%	|<-Blank->	IDL	MDL
Analyte	ug/g	ug/g	%D	ug/g	ug/g	%D	ug/mL	RPD	Flg	ug/g	ug/mL	ug/mL
Ag	ND	ND		ND	ND		---			ND	0.015	0.1500
Al	4,624.9	4,557.5	1%	3,772.7	4,013.7	6%	4,198.8	20%	*	ND	0.060	0.6000
As	(15.6)	ND		(22.6)	ND		---			ND	0.080	0.8000
B	21.8	(17.3)		19.5	(17.8)		20.7	11%	*	ND	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	(20.6)	(37.8)		(19.1)	(78.3)		---			71.4	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	11.9	(11.8)		9.4	(9.5)		10.7	23%	*	ND	0.010	0.1000
Cr	39.7	(39.9)		31.9	(33.7)		35.8	22%	*	ND	0.020	0.2000
Cu	ND	ND		ND	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	337.6	368.6	9%	284.4	372.6	31%	311.0	17%	*	ND	0.020	0.2000
K	(1,021.7)	ND		(770.1)	ND		---			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		---			(22.5)	0.100	1.0000
Mn	ND	ND		ND	ND		---			ND	0.005	0.0500
Mo	(3.2)	ND		(2.6)	ND		---			ND	0.030	0.3000
Na	OvrRng	146,846.4		OvrRng	174,822.3		160,834.3	18%	*	(34.9)	0.080	0.8000
Nd	ND	ND		ND	ND		---			(4.6)	0.050	0.5000
Ni	682.3	689.0	1%	532.9	576.4	8%	607.6	25%	*	ND	0.030	0.3000
P	27,364.1	26,081.0	5%	26,194.4	26,236.5	0%	26,779.3	4%		(22.8)	0.100	1.0000
Pb	ND	ND		ND	ND		---			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		---			ND	0.500	5.0000
Sn	ND	ND		ND	ND		---			ND	1.000	10.0000
Sr	(1.7)	(3.4)		(0.9)	(3.6)		---			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	ND	ND		ND	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	ND	ND		ND	ND		---			ND	0.500	5.0000
Y	ND	ND		ND	ND		---			ND	0.010	0.1000
Zn	ND	ND		ND	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 in ug/g "equivalence" to indicate blank effect on sample results.
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/g) = (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 results >MDL.

8) Data, including calibration/QC, archived File ICP-325-405-1/95D254a

ICP RAW DATA --- IEC Corrected

File: m091195j
Reported: 09/15/95
Data Page 1 of 2

Analyzed: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211

Sample ID:	C1-Sam 95-7948-	C1-Sam@5x 95-7948-	C2-Sam 95-7948-	C2-Sam@5x 95-7948-	Batch Blk 95-7941-C3			Post Spk
ICP Dil:	1.00	5.00	1.00	5.00	1.00			
Run Time:	16:24	16:20	16:31	16:27	13:49			
	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Ag	-0.0011	-0.0019	-0.0042	-0.0036	0.0069			
Al	44.2142	8.7140	48.1476	10.2445	0.0324			
As	0.1496	0.0156	0.2878	0.0384	0.0120			
B	0.2089	0.0331	0.2489	0.0454	0.0089			
Ba	0.0009	0.0000	-0.0001	0.0003	0.0024			
Be	0.0000	-0.0000	-0.0001	-0.0000	0.0002			
Bi	0.0179	-0.0014	0.0083	0.0042	0.0191			
Ca	0.1966	0.0724	0.2434	0.2000	0.7969			
Cd	0.0006	-0.0003	-0.0015	0.0000	0.0023			
Ce	-0.0030	-0.0102	-0.0255	-0.0186	0.0611			
Co	0.1138	0.0226	0.1205	0.0244	0.0048			
Cr	0.3799	0.0762	0.4075	0.0861	0.0012			
Cu	0.0001	-0.0042	-0.0016	-0.0052	0.0057			
Dy	0.0001	-0.0011	-0.0036	-0.0026	0.0074			
Eu	0.0002	-0.0003	-0.0007	-0.0007	0.0024			
Fe	3.2274	0.7048	3.6299	0.9510	0.0102			
K	9.7676	1.6782	9.8279	1.8537	1.7989			
La	0.0000	-0.0030	-0.0058	-0.0048	0.0134			
Li	0.0016	-0.0004	-0.0007	-0.0016	0.0067			
Mg	0.0363	0.0102	0.0442	0.0372	0.2515			
Mn	0.0038	0.0013	0.0037	0.0028	0.0008			
Mo	0.0301	0.0041	0.0327	0.0033	0.0014			
Na	1320.0715	280.7725	1883.8762	446.2170	0.3893			
Nd	0.0025	-0.0081	-0.0218	-0.0156	0.0515			
Ni	6.5224	1.3175	6.8007	1.4712	0.0027			
P	261.6031	49.8673	334.2935	66.9662	0.2544			
Pb	0.0062	-0.0083	-0.0025	-0.0156	0.0296			
Pd	-0.0126	-0.0271	-0.0836	-0.0500	0.1404			
Rh	0.0199	-0.0095	-0.0076	-0.0191	0.0610			
Sb	0.0019	-0.0069	0.0058	-0.0089	0.0134			
Se	0.0273	-0.0088	0.0604	0.0015	0.0232			
Si	0.3483	0.0380	0.3603	0.0444	0.1000			
Sn	-0.0052	-0.0610	-0.0882	-0.0915	0.1361			
Sr	0.0162	0.0065	0.0110	0.0093	0.0040			
Te	0.0505	0.0036	0.0658	0.0022	0.0207			
Th	0.0096	-0.0024	0.0115	-0.0004	-0.0054			
Ti	-0.0000	-0.0003	-0.0013	-0.0009	0.0034			
Tl	0.1421	0.0242	0.1923	0.0310	0.0126			
U	0.4966	-0.0211	0.7818	-0.0147	0.7738			
V	0.0049	0.0001	0.0025	-0.0010	0.0055			
W	0.1121	0.0179	0.1356	0.0136	0.0089			
Y	-0.0004	-0.0008	-0.0021	-0.0014	0.0027			
Zn	0.0006	0.0009	0.0023	0.0020	0.0023			
Zr	-0.0010	-0.0013	-0.0044	-0.0025	0.0055			

Analyze Date: 09/11/95
Project: TWRS
Procedure: PNL-ALO-211
M&TE: JA ICP WB73520

Analyst: D SANDERS
Reviewer: MWOzhu 9/19/95

File: m091195j
Reported: 09/15/95
ICP File: 95D254a
Data Page 2 of 2

Sample Log# ID	95-7948-C1-Sam	95-7948-C1-Sam@5x	95-7948-C2-Sam	95-7948-C2-Sam@5x	95-7941-C3 Batch Blk			Post Spk
Sample Wt-g	0.4951	0.4951	0.6615	0.6615	0.5783			
Final Vol-mL	51.8	51.8	51.8	51.8	51.8			
Prep Factor	104.60	104.60	78.36	78.36	89.59			
Add'n Prep Dil	1.00	1.00	1.00	1.00	1.00			
Spike Vol-mL								
Spike Dilution								
Spike ID Date								
PSpk Dilution								
ICP Dilution	1.00	5.00	1.00	5.00	1.00			
Dil Factor	104.60	523.01	78.36	391.79	89.59			
ICP Run #	16:24	16:20	16:31	16:27	13:49			
Analyte ↓↓	ug/g	ug/g	ug/g	ug/g	ug/g	ug/mL	ug/mL	ug/mL
Ag	-0.116	-0.988	-0.327	-1.391	0.615			
Al	4624.880	4557.470	3772.728	4013.672	2.904			
As	15.647	8.169	22.552	15.049	1.079			
B	21.849	17.312	19.506	17.791	0.795			
Ba	0.097	0.021	-0.011	0.106	0.219			
Be	0.003	-0.021	-0.004	-0.016	0.015			
Bi	1.868	-0.711	0.653	1.634	1.714			
Ca	20.561	37.845	19.073	78.350	71.392			
Cd	0.065	-0.178	-0.120	0.000	0.203			
Ce	-0.318	-5.314	-1.998	-7.295	5.475			
Co	11.899	11.815	9.440	9.544	0.431			
Cr	39.740	39.864	31.931	33.725	0.110			
Cu	0.015	-2.186	-0.123	-2.041	0.514			
Dy	0.007	-0.565	-0.281	-1.026	0.667			
Eu	0.022	-0.162	-0.058	-0.274	0.215			
Fe	337.596	368.622	284.432	372.582	0.910			
K	1021.704	877.713	770.090	726.257	161.162			
La	0.003	-1.579	-0.454	-1.869	1.203			
Li	0.166	-0.183	-0.056	-0.643	0.600			
Mg	3.801	5.309	3.466	14.571	22.533			
Mn	0.401	0.664	0.286	1.077	0.075			
Mo	3.152	2.123	2.561	1.305	0.125			
Na	138081.722	146846.410	147615.870	174822.278	34.880			
Nd	0.266	-4.221	-1.706	-6.112	4.611			
Ni	682.255	689.048	532.884	576.398	0.240			
P	27364.132	26081.005	26194.413	26236.523	22.789			
Pb	0.650	-4.357	-0.197	-6.120	2.653			
Pd	-1.318	-14.168	-6.553	-19.585	12.583			
Rh	2.082	-4.974	-0.596	-7.495	5.461			
Sb	0.200	-3.598	0.451	-3.471	1.202			
Se	2.855	-4.597	4.735	0.592	2.077			
Si	36.436	19.895	28.232	17.407	8.960			
Sn	-0.541	-31.904	-6.908	-35.860	12.194			
Sr	1.691	3.373	0.862	3.628	0.362			
Te	5.279	1.862	5.154	0.870	1.856			
Th	1.000	-1.266	0.903	-0.153	-0.479			
Ti	-0.001	-0.178	-0.098	-0.353	0.300			
Tl	14.865	12.631	15.071	12.126	1.132			
U	51.948	-11.056	61.261	-5.771	69.326			
V	0.515	0.026	0.197	-0.388	0.495			
W	11.728	9.357	10.621	5.309	0.798			
Y	-0.039	-0.418	-0.167	-0.556	0.238			
Zn	0.062	0.476	0.178	0.787	0.205			
Zr	-0.105	-0.659	-0.342	-0.995	0.490			

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

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

Statistical Summary for "CCV1 950713H901"

(HPS:CCV-1)

	TRUE (ug/mL)	N	Average (ug/mL)	S.Dev (ug/mL)	%RSD (%)	Bias (ug/mL)	Bias (%)	CCV1 950713H901 95D254A 9/11/95 10:07 CONC 1691 (ug/mL)	1 950713H901 95D254A 9/11/95 17:07 CONC 1936 (ug/mL)
Ag		2	0.002	0.002	67			0.001	0.003
Al	2.000	2	1.886	0.009	0	-0.114	-5.7	1.893	1.880
As	2.000	2	2.016	0.007	0	0.016	0.8	2.011	2.021
B	2.000	2	1.913	0.018	1	-0.087	-4.4	1.925	1.900
Ba	1.000	2	0.989	0.011	1	-0.011	-1.1	0.997	0.981
Be	1.000	2	0.962	0.005	0	-0.038	-3.8	0.965	0.959
Bi	2.000	2	1.897	0.013	1	-0.103	-5.2	1.906	1.888
Ca	2.000	2	1.922	0.015	1	-0.078	-3.9	1.933	1.911
Cd	1.000	2	0.977	0.015	2	-0.023	-2.3	0.987	0.966
Ce		2	0.020	0.014	67			0.011	0.030
Co	1.000	2	1.038	0.015	1	0.038	3.8	1.048	1.027
Cr	0.500	2	0.517	0.012	2	0.017	3.5	0.526	0.509
Cu	2.000	2	2.008	0.018	1	0.008	0.4	2.021	1.996
Dy		2	0.002	0.002	86			0.001	0.004
Eu		2	0.001	0.001	56			0.001	0.002
Fe	2.000	2	2.004	0.035	2	0.004	0.2	2.029	1.980
K	5.000	2	5.321	0.577	11	0.321	6.4	4.913	5.729
La		2	0.005	0.005	97			0.002	0.008
Li	2.000	2	1.892	0.023	1	-0.108	-5.4	1.876	1.908
Mg	2.000	2	2.089	0.025	1	0.089	4.5	2.107	2.071
Mn	1.000	2	1.010	0.015	1	0.010	1.0	1.021	1.000
Mo	2.000	2	1.994	0.033	2	-0.006	-0.3	2.017	1.971
Na	8.100	2	7.911	0.467	6	-0.189	-2.3	7.581	8.241
Nd		2	0.017	0.013	75			0.008	0.026
Ni	2.000	2	2.102	0.017	1	0.102	5.1	2.114	2.090
P	5.000	2	4.783	0.107	2	-0.217	-4.3	4.859	4.707
Pb	2.000	2	2.074	0.034	2	0.074	3.7	2.098	2.050
Pd		2	0.040	0.032	82			0.017	0.062
Rh		2	0.020	0.017	86			0.008	0.032
Sb		2	-0.002	0.014	-886			-0.011	0.008
Se	2.000	2	1.949	0.012	1	-0.051	-2.5	1.956	1.941
Si	5.000	2	4.731	0.257	5	-0.269	-5.4	4.549	4.913
Sn		2	0.067	0.043	64			0.037	0.096
Sr	2.000	2	2.010	0.017	1	0.010	0.5	2.022	1.998
Te		2	-0.004	0.002	-49			-0.006	-0.003
Th		2	0.010	0.001	10			0.009	0.011
Ti		2	0.001	0.001	92			0.000	0.002
Tl	2.000	2	1.932	0.021	1	-0.068	-3.4	1.917	1.947
U		2	0.254	0.242	95			0.083	0.425
V	1.000	2	0.960	0.004	0	-0.040	-4.0	0.958	0.963
W		2	0.015	0.004	26			0.012	0.017
Y		2	0.001	0.001	89			0.000	0.002
Zn	1.000	2	1.034	0.000	0	0.034	3.4	1.034	1.034
Zr		2	0.001	0.002	247			-0.001	0.002
TIME		2	#######	0.000	0			10000.000	#######

3-972

Statistical Summary for 'MCVA 950728I901'

(MCVA)	TRUE (ug/mL)	N	Average (ug/mL)	S.Dev (ug/mL)	%RSD (%)	Bias (ug/mL)	Bias (%)	MCVA 950728I901	A 950728	A 950728	A 950728	A 950728	A 950728	A 950728	A 950728	A 950728	A 950728	A 950728
								95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A
								9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95
								09:47	09:51	10:49	11:12	13:13	13:24	13:36	14:26	15:14	15:54	16:45
								CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC
								1981	2026	2071	2116	2161	2206	2251	2296	2341	2386	2431
								(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag	0.500	13	0.476	0.014	3	-0.024	-4.8	0.487	0.487	0.489	0.487	0.481	0.485	0.475	0.482	0.480	0.468	0.445
Al	25.000	13	24.370	0.880	4	-0.630	-2.5	25.132	25.035	25.111	25.173	25.177	25.095	24.020	24.470	24.308	23.763	22.717
As	2.500	13	2.562	0.074	3	0.062	2.5	2.566	2.584	2.631	2.620	2.594	2.599	2.549	2.622	2.633	2.542	2.391
B	2.000	13	1.937	0.073	4	-0.063	-3.2	1.997	1.989	2.002	2.001	2.000	1.992	1.911	1.959	1.943	1.884	1.795
Ba	0.500	13	0.497	0.019	4	-0.003	-0.5	0.513	0.511	0.517	0.518	0.503	0.509	0.491	0.505	0.499	0.486	0.462
Be	0.100	13	0.093	0.003	3	-0.007	-7.5	0.094	0.094	0.095	0.095	0.094	0.095	0.092	0.095	0.094	0.092	0.086
Bi	25.000	13	23.987	0.843	4	-1.013	-4.1	24.580	24.611	24.748	24.778	24.361	24.561	23.866	24.385	24.215	23.526	22.223
Ca	25.000	13	24.457	0.826	3	-0.543	-2.2	25.049	25.118	25.223	25.164	24.907	24.794	24.267	24.820	24.835	24.093	22.615
Cd	0.500	13	0.488	0.019	4	-0.012	-2.4	0.503	0.505	0.508	0.506	0.498	0.496	0.484	0.491	0.492	0.481	0.446
Ce		13	-0.018	0.023	-125			-0.029	-0.028	-0.048	-0.055	-0.016	-0.033	-0.005	-0.030	-0.014	-0.017	-0.002
Co	1.000	13	1.010	0.034	3	0.010	1.0	1.036	1.040	1.047	1.045	1.015	1.020	0.998	1.025	1.024	0.996	0.935
Cr	1.000	13	1.008	0.035	3	0.008	0.8	1.032	1.039	1.044	1.043	1.015	1.026	0.997	1.029	1.015	0.998	0.931
Cu	1.000	13	0.983	0.033	3	-0.017	-1.7	1.008	1.012	1.016	1.015	1.002	1.005	0.968	0.999	0.980	0.964	0.920
Dy		13	0.002	0.003	163			0.000	0.000	-0.001	-0.002	0.001	-0.001	0.003	0.000	0.002	0.003	0.004
Eu		13	0.002	0.001	33			0.002	0.002	0.001	0.001	0.003	0.002	0.003	0.002	0.002	0.003	0.003
Fe	20.000	13	20.011	0.758	4	0.011	0.1	20.597	20.636	20.804	20.790	20.199	20.323	19.788	20.359	20.275	19.683	18.441
K	25.000	13	26.285	1.501	6	1.285	5.1	27.560	26.793	25.078	25.476	26.058	26.785	26.702	23.785	24.416	24.762	26.555
La		13	0.007	0.005	65			0.005	0.005	0.002	0.000	0.006	0.003	0.010	0.005	0.008	0.009	0.011
Li	2.000	13	1.912	0.090	5	-0.088	-4.4	1.998	1.956	1.916	1.946	2.030	2.079	1.884	1.819	1.816	1.810	1.858
Mg	25.000	13	26.024	0.895	3	1.024	4.1	26.715	26.742	26.887	26.879	26.314	26.513	25.813	26.412	26.298	25.627	24.117
Mn	0.500	13	0.501	0.018	4	0.001	0.1	0.513	0.514	0.518	0.517	0.511	0.509	0.496	0.509	0.508	0.494	0.462
Mo	1.000	13	1.009	0.035	4	0.009	0.9	1.035	1.039	1.047	1.046	1.015	1.021	1.001	1.025	1.019	0.990	0.934
Na	25.000	13	24.905	0.820	3	-0.095	-0.4	25.316	24.723	24.190	24.487	25.481	26.650	25.248	24.043	24.171	24.113	25.030
Nd		13	0.020	0.016	81			0.015	0.010	0.000	-0.003	0.021	0.007	0.034	0.011	0.021	0.025	0.032
Ni	1.000	13	1.041	0.033	3	0.041	4.1	1.064	1.071	1.080	1.076	1.044	1.044	1.030	1.052	1.056	1.028	0.970
P		13	0.066	0.017	26			0.062	0.065	0.059	0.038	0.068	0.041	0.068	0.070	0.083	0.104	0.058
Pb	2.500	13	2.576	0.077	3	0.076	3.1	2.644	2.650	2.642	2.640	2.609	2.601	2.565	2.595	2.615	2.538	2.393
Pd		13	0.004	0.048	1313			-0.012	-0.028	-0.052	-0.065	0.012	-0.032	0.035	-0.022	0.002	0.009	0.042
Rh		13	0.011	0.022	209			0.001	-0.002	-0.012	-0.021	0.011	-0.007	0.026	-0.004	0.012	0.013	0.032
Sb	2.500	13	2.504	0.068	3	0.004	0.2	2.535	2.512	2.538	2.539	2.552	2.555	2.505	2.562	2.580	2.489	2.345
Se	2.500	13	2.456	0.079	3	-0.044	-1.8	2.521	2.513	2.542	2.519	2.488	2.489	2.435	2.498	2.497	2.419	2.298
Si	20.000	13	18.782	0.617	3	-1.218	-6.1	19.529	19.204	19.085	19.102	19.201	19.102	18.657	19.171	18.996	18.497	17.456
Sn		13	-0.053	0.089	-169			-0.066	-0.079	-0.136	-0.135	-0.027	-0.211	-0.119	-0.080	-0.018	-0.023	0.048
Sr	0.500	13	0.503	0.018	4	0.003	0.6	0.518	0.517	0.523	0.525	0.507	0.514	0.496	0.510	0.504	0.491	0.468
Te		13	0.003	0.009	251			0.007	-0.002	-0.002	-0.008	0.002	-0.007	0.010	-0.006	0.004	0.004	0.015
Th		13	0.044	0.002	5			0.046	0.049	0.044	0.046	0.042	0.043	0.041	0.043	0.045	0.042	0.043
Ti	1.000	13	0.978	0.036	4	-0.022	-2.2	1.006	1.007	1.016	1.018	0.986	0.993	0.964	0.994	0.987	0.960	0.905
Tl		13	2.465	0.072	3			2.524	2.527	2.532	2.530	2.483	2.496	2.442	2.499	2.491	2.433	2.308
U		13	0.218	0.282	129			0.109	0.023	-0.121	-0.192	0.221	-0.021	0.427	0.095	0.260	0.281	0.467
V	1.000	13	0.981	0.029	3	-0.019	-1.9	0.991	0.991	0.999	0.998	0.997	1.004	0.979	1.004	1.000	0.973	0.915
W		13	0.032	0.010	31			0.043	0.037	0.024	0.024	0.035	0.020	0.038	0.020	0.019	0.028	0.045
Y		13	0.001	0.001	142			0.000	0.000	0.000	-0.001	0.001	0.000	0.002	0.000	0.001	0.001	0.002
Zn	1.000	13	1.006	0.027	3	0.006	0.6	1.018	1.025	1.035	1.036	1.008	1.010	0.988	1.020	1.023	1.001	0.945
Zr	2.000	13	2.006	0.071	4	0.006	0.3	2.057	2.061	2.084	2.086	2.019	2.037	1.979	2.042	2.029	1.973	1.861
TIME		13	########	0.000	0			10000.000	########	########	########	########	########	########	########	########	########	########

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

3-973

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

								MCVB 950911H901	CVB 950911H901
								95D254A	95D254A
								9/11/95	9/11/95
Statistical Summary for "MCVB 950911H901"								17:00	09:59
(MCVB)								CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	2566	2701
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)
Ag		2	0.002	0.002	81			0.003	0.001
Al		2	-0.180	0.033	-19			-0.156	-0.204
As		2	0.007	0.006	86			0.012	0.003
B		2	0.001	0.002	255			0.002	-0.001
Ba		2	0.000	0.000	98			0.001	0.000
Be		2	0.000	0.000	9			0.000	0.000
Bi		2	-0.004	0.012	-312			0.004	-0.012
Ca		2	0.015	0.007	44			0.020	0.010
Cd		2	0.001	0.001	171			0.000	0.001
Ce	2.000	2	1.979	0.034	2	-0.021	-1.0	2.003	1.955
Co		2	0.003	0.001	21			0.004	0.003
Cr		2	0.002	0.001	43			0.001	0.002
Cu		2	0.000	0.006	-1179			0.004	-0.005
Dy	2.000	2	1.987	0.031	2	-0.013	-0.7	2.009	1.965
Eu	2.000	2	1.974	0.025	1	-0.026	-1.3	1.992	1.956
Fe		2	0.004	0.003	61			0.006	0.002
K		2	0.310	0.181	58			0.438	0.182
La	2.000	2	1.998	0.020	1	-0.002	-0.1	2.012	1.983
Li		2	0.002	0.001	42			0.003	0.001
Mg		2	0.095	0.008	8			0.099	0.091
Mn		2	0.000	0.000	22			0.000	0.000
Mo		2	0.001	0.001	110			0.001	0.000
Na		2	0.015	0.001	5			0.016	0.014
Nd	2.000	2	1.963	0.039	2	-0.037	-1.8	1.991	1.936
Ni		2	0.017	0.011	67			0.025	0.009
P		2	0.006	0.001	23			0.005	0.007
Pb		2	0.056	0.001	2			0.056	0.057
Pd	2.000	2	1.950	0.109	8	-0.050	-2.5	2.027	1.873
Rh	2.000	2	1.967	0.024	1	-0.033	-1.7	1.984	1.950
Sb		2	-0.003	0.008	-289			0.003	-0.009
Se		2	0.012	0.008	65			0.007	0.018
Si		2	-0.072	0.188	-262			0.061	-0.204
Sn	2.000	2	2.039	0.022	1	0.039	2.0	2.054	2.024
Sr		2	0.000	0.000	75			0.000	0.000
Te	2.000	2	1.809	0.010	1	-0.191	-9.5	1.803	1.816
Th	5.000	2	5.048	0.022	0	0.048	1.0	5.033	5.064
Ti		2	0.001	0.000	12			0.001	0.001
Tl		2	0.007	0.014	195			0.017	-0.003
U	10.000	2	8.499	0.058	1	-1.501	-15.0	8.540	8.459
V		2	0.000	0.000	-161			0.000	-0.001
W	2.000	2	0.503	0.018	4	-1.497	-74.9	0.490	0.516
Y	1.000	2	0.969	0.001	0	-0.031	-3.1	0.970	0.968
Zn		2	0.002	0.000	17			0.002	0.002
Zr		2	-0.010	0.003	-32			-0.012	-0.008
TIME		2	#######	0.000	0			10000.000	########

3-974

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

								SRM-1643c 103668	-1643c 103668
								95D254A	95D254A
								9/11/95	9/11/95
Statistical Summary for 'SRM-1643c 103668'								10:03	17:03
(NIST:SRM1643c)								CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	2881	2926
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)
Ag	0.002	2	0.001	0.001	165	-0.001	-66.4	0.000	0.002
Al	0.115	2	0.101	0.006	6	-0.014	-11.9	0.097	0.105
As	0.082	2	0.080	0.004	4	-0.002	-2.4	0.083	0.078
B	0.119	2	0.110	0.003	2	-0.009	-7.5	0.108	0.112
Ba	0.050	2	0.049	0.000	0	-0.001	-1.3	0.049	0.049
Be	0.023	2	0.022	0.000	0	-0.001	-5.4	0.022	0.022
Bi		2	0.008	0.015	181			-0.002	0.019
Ca	36.800	2	35.250	0.574	2	-1.550	-4.2	35.656	34.844
Cd	0.012	2	0.013	0.000	3	0.001	4.4	0.012	0.013
Ce		2	0.002	0.008	504			-0.004	0.007
Co	0.024	2	0.025	0.002	7	0.001	4.7	0.023	0.026
Cr	0.019	2	0.020	0.000	1	0.001	4.3	0.020	0.020
Cu	0.022	2	0.018	0.003	19	-0.005	-20.5	0.015	0.020
Dy		2	-0.001	0.002	-309			-0.002	0.001
Eu		2	0.001	0.000	47			0.001	0.001
Fe	0.107	2	0.117	0.001	1	0.010	9.4	0.116	0.117
K	2.300	2	2.255	0.351	16	-0.045	-2.0	2.006	2.503
La		2	0.006	0.003	54			0.004	0.008
Li	0.017	2	0.012	0.003	22	-0.005	-29.3	0.010	0.013
Mg	9.450	2	9.890	0.117	1	0.440	4.7	9.973	9.808
Mn	0.035	2	0.035	0.000	1	0.000	-1.0	0.035	0.035
Mo	0.104	2	0.103	0.000	0	-0.001	-0.9	0.103	0.104
Na	12.190	2	11.834	0.914	8	-0.356	-2.9	11.187	12.480
Nd		2	0.009	0.009	96			0.003	0.016
Ni	0.061	2	0.065	0.003	5	0.004	7.0	0.063	0.067
P		2	0.023	0.004	17			0.020	0.025
Pb	0.035	2	0.034	0.003	9	-0.002	-4.8	0.032	0.036
Pd		2	-0.008	0.021	-261			-0.023	0.007
Rh		2	-0.003	0.013	-476			-0.012	0.007
Sb		2	-0.010	0.014	-150			-0.020	0.001
Se	0.013	2	0.008	0.000	3	-0.005	-37.9	0.008	0.008
Si		2	-0.144	0.240	-167			-0.314	0.026
Sn		2	-0.018	0.020	-109			-0.032	-0.004
Sr	0.264	2	0.262	0.001	0	-0.001	-0.6	0.263	0.261
Te		2	0.000	0.001	639			-0.001	0.001
Th		2	0.000	0.005	-1669			0.003	-0.004
Tl		2	0.008	0.000	5			0.007	0.008
Ti	0.008	2	0.015	0.014	94	0.007	88.5	0.005	0.025
U		2	0.193	0.137	71			0.096	0.290
V	0.031	2	0.028	0.001	4	-0.003	-9.9	0.028	0.029
W		2	0.010	0.004	40			0.007	0.012
Y		2	-0.002	0.001	-40			-0.002	-0.001
Zn	0.074	2	0.085	0.001	1	0.011	15.4	0.084	0.086
Zr		2	-0.001	0.002	-243			-0.002	0.000
TIME		2	#######	0.000	0			10000.000	#######

3-975

								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
								95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A
								9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95
Statistical Summary for 'STD1-Blank 108444'								09:44	10:19	10:52	11:20	13:11	13:34	13:44	14:33	15:23	16:02	17:10
(STD1-Blank)								CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	3286	3331	3376	3421	3466	3511	3556	3601	3646	3691	3736
	(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		11	0.000	0.001	-488			-0.001	0.000	-0.001	-0.001	0.000	0.000	0.000	0.001	-0.001	-0.001	0.002
Al		11	0.002	0.004	205			0.000	0.001	-0.001	0.001	0.002	0.010	-0.004	0.008	0.000	0.000	0.005
As		11	0.001	0.003	306			0.002	0.005	0.003	0.002	-0.001	-0.008	0.002	0.001	0.001	0.001	0.004
B		11	0.000	0.007	-1973			0.005	0.000	-0.001	-0.001	0.011	0.010	-0.004	-0.005	-0.009	-0.010	0.000
Be		11	0.000	0.000	1625			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ba		11	0.000	0.000	-991			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Bi		11	-0.001	0.004	-294			0.001	0.006	0.001	-0.001	-0.005	-0.005	-0.008	0.002	-0.005	0.000	-0.001
Ca		11	0.000	0.003	-1771			-0.003	0.000	0.001	0.000	-0.007	0.005	-0.005	0.003	0.002	0.000	0.002
Cd		11	0.000	0.001	191			0.001	0.000	0.001	0.001	0.000	0.001	0.001	0.000	0.001	0.000	-0.001
Ce		11	-0.002	0.009	-443			0.001	-0.004	-0.010	-0.010	0.011	-0.005	-0.005	0.007	-0.010	-0.009	0.013
Co		11	0.000	0.001	-527			0.001	-0.001	-0.002	-0.002	0.000	0.000	0.000	0.001	-0.001	-0.001	0.002
Cr		11	0.000	0.001	292			0.000	0.000	0.002	0.001	-0.001	0.001	0.002	0.002	0.000	-0.001	0.000
Cu		11	0.000	0.003	-858			0.000	-0.001	-0.001	-0.001	0.008	-0.002	-0.002	-0.001	-0.003	-0.004	0.002
Dy		11	0.000	0.001	-891			0.000	0.000	-0.001	-0.001	0.000	0.000	0.000	0.001	-0.001	-0.001	0.002
Eu		11	0.000	0.000	-505			0.000	0.000	-0.001	-0.001	0.000	0.000	0.000	0.000	0.000	-0.001	0.001
Fe		11	0.000	0.001	388			-0.001	0.000	0.002	0.002	-0.001	-0.001	-0.001	0.003	0.001	0.002	-0.001
K		11	-0.071	0.217	-305			-0.050	0.044	-0.199	-0.298	0.000	-0.049	-0.005	0.132	-0.351	-0.356	0.351
La		11	0.000	0.002	-45035			0.001	0.001	-0.002	-0.001	0.001	0.000	0.000	0.002	-0.002	-0.002	0.003
Li		11	0.000	0.001	-583			0.000	0.000	0.000	-0.001	-0.001	0.001	-0.001	0.001	-0.001	-0.001	0.001
Mg		11	-0.001	0.005	-450			-0.005	0.003	0.003	0.000	-0.003	-0.004	-0.003	-0.002	-0.008	-0.005	0.010
Mn		11	0.000	0.000	-187			0.000	0.000	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000
Mo		11	0.000	0.001	-246			0.001	-0.001	0.000	-0.001	0.000	-0.001	-0.001	-0.001	-0.001	-0.001	0.002
Na		11	0.000	0.010	-3687			-0.001	-0.009	-0.005	-0.012	0.003	-0.011	-0.001	0.019	-0.004	0.004	0.015
Nd		11	0.000	0.007	3809			0.003	-0.001	-0.002	-0.009	0.002	-0.003	0.001	0.010	-0.005	-0.007	0.012
Ni		11	0.003	0.003	105			0.001	0.002	-0.001	0.009	0.000	0.001	0.005	0.005	0.002	0.002	0.007
P		11	0.004	0.007	187			0.008	0.000	-0.003	0.007	0.008	-0.003	0.011	0.003	0.017	-0.006	0.001
Pb		11	-0.001	0.008	-884			0.008	0.005	-0.005	0.002	0.002	-0.004	-0.006	0.002	-0.010	-0.017	0.013
Pd		11	-0.001	0.018	-1265			0.015	0.001	-0.016	-0.019	0.009	-0.005	-0.005	0.018	-0.018	-0.024	0.030
Rh		11	0.000	0.008	-12184			0.003	0.002	-0.004	-0.009	0.005	-0.002	0.001	0.007	-0.008	-0.011	0.017
Sb		11	-0.002	0.006	-304			-0.002	0.002	-0.003	0.002	0.005	-0.013	-0.008	-0.001	0.000	-0.005	0.005
Se		11	0.000	0.006	-4808			0.012	-0.003	0.001	0.000	-0.008	-0.002	0.001	-0.003	0.002	0.002	-0.008
Si		11	0.097	0.288	295			0.751	-0.010	-0.070	-0.100	0.582	-0.024	-0.045	0.016	-0.012	-0.020	-0.001
Sn		11	-0.004	0.026	-692			0.019	-0.018	-0.027	-0.026	0.015	0.012	0.014	0.016	-0.034	-0.053	0.037
Sr		11	0.000	0.000	2081			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Te		11	0.001	0.005	719			0.002	0.005	-0.004	-0.002	-0.001	0.004	0.001	0.006	0.001	-0.009	0.005
Th		11	-0.001	0.003	-222			-0.001	0.001	-0.002	-0.002	0.001	0.001	-0.002	-0.006	-0.003	-0.005	0.004
Ti		11	0.000	0.000	-419			0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Tl		11	0.000	0.005	2288			0.000	0.004	-0.001	-0.003	0.006	-0.008	-0.007	0.001	0.000	0.007	0.003
U		11	-0.017	0.109	-657			0.047	-0.039	-0.101	-0.122	0.008	-0.038	-0.006	0.125	-0.095	-0.163	0.201
V		11	0.000	0.001	-548			0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	0.001	-0.001	-0.001	0.001
W		11	-0.001	0.006	-1208			0.012	-0.004	-0.002	-0.005	0.001	0.000	0.000	0.003	-0.008	-0.009	0.007
Y		11	0.000	0.000	-443			0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.000	-0.001	-0.001	0.001
Zn		11	0.000	0.001	-550			0.000	-0.001	0.000	-0.001	-0.001	0.000	0.000	0.001	0.000	0.000	0.000
Zr		11	0.000	0.001	593			-0.001	0.000	-0.001	0.000	0.000	-0.001	0.000	0.002	0.000	0.000	0.001
TIME		11	########	0.000	0			10000.000	########	########	########	########	########	########	########	########	########	########

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

3-976

Statistical Summary for 'SST-ICS-0 950908I100'
(SST Interference Check Standard)

	TRUE (ug/mL)	N	Average (ug/mL)	S.Dev (ug/mL)	%RSD (%)	Bias (ug/mL)	Bias (%)	SST-ICS-0 950908I1	S-0 9509	S-0 9509	S-0 9509	S-0 9509	S-0 9509	S-O 950908I100
								95D254A	95D254A	95D254A	95D254A	95D254A	95D254A	95D254A
								9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95	9/11/95
								11:16	14:29	15:19	15:58	16:57	10:28	13:39
								CONC	CONC	CONC	CONC	CONC	CONC	CONC
								2971	3016	3061	3106	3151	3196	3241
								(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		7	-0.011	0.001	-13			-0.010	-0.011	-0.012	-0.014	-0.011	-0.010	-0.011
Al	100.0	7	97.153	1.146	1	-2.847	-2.8	97.816	95.285	96.720	96.247	97.287	98.291	98.427
As		7	0.127	0.021	17			0.108	0.156	0.155	0.123	0.127	0.102	0.119
B		7	-0.007	0.004	-60			-0.004	-0.009	-0.011	-0.012	-0.002	-0.003	-0.005
Ba		7	0.000	0.000	-482			0.000	0.000	0.000	0.000	0.000	0.000	0.000
Be		7	0.001	0.000	7			0.001	0.001	0.001	0.001	0.001	0.001	0.001
Bi		7	0.055	0.007	13			0.047	0.060	0.059	0.055	0.064	0.055	0.043
Ca		7	0.068	0.004	6			0.064	0.069	0.070	0.066	0.075	0.065	0.063
Cd		7	0.009	0.001	12			0.009	0.009	0.009	0.008	0.010	0.011	0.009
Ce		7	-0.144	0.011	-7			-0.148	-0.139	-0.126	-0.161	-0.143	-0.145	-0.149
Co		7	0.004	0.001	29			0.004	0.004	0.004	0.002	0.005	0.003	0.003
Cr		7	0.037	0.001	3			0.036	0.038	0.038	0.038	0.039	0.036	0.036
Cu		7	-0.010	0.008	-82			-0.011	-0.010	-0.015	-0.018	0.006	-0.014	-0.005
Dy		7	-0.004	0.001	-31			-0.005	-0.003	-0.003	-0.004	-0.002	-0.004	-0.004
Eu		7	0.000	0.000	86			0.000	0.001	0.001	0.000	0.001	0.000	0.000
Fe	20.0	7	19.927	0.224	1	-0.073	-0.4	20.105	19.729	19.981	19.688	19.697	20.254	20.033
K		7	0.005	0.203	3985			-0.232	0.082	-0.016	-0.154	0.400	-0.055	0.011
La		7	0.003	0.002	60			0.005	0.004	0.003	0.001	0.005	0.006	0.000
Li		7	0.003	0.001	33			0.002	0.004	0.003	0.003	0.005	0.002	0.002
Mg		7	0.279	0.011	4			0.282	0.285	0.295	0.276	0.284	0.275	0.259
Mn		7	0.001	0.000	22			0.001	0.001	0.001	0.001	0.001	0.001	0.001
Mo		7	0.007	0.001	16			0.007	0.008	0.008	0.006	0.009	0.006	0.006
Na		7	0.014	0.013	92			-0.011	0.028	0.012	0.020	0.023	0.020	0.007
Nd		7	-0.022	0.005	-24			-0.026	-0.017	-0.021	-0.025	-0.012	-0.023	-0.026
Ni	50.0	7	51.992	0.497	1	1.992	4.0	52.473	51.461	52.240	51.461	51.652	52.703	51.956
P		7	0.029	0.017	59			0.007	0.060	0.034	0.041	0.022	0.018	0.023
Pb		7	0.190	0.010	5			0.189	0.199	0.189	0.171	0.189	0.202	0.189
Pd		7	-0.457	0.031	-7			-0.433	-0.459	-0.489	-0.502	-0.458	-0.412	-0.448
Rh		7	-0.043	0.007	-16			-0.044	-0.041	-0.041	-0.052	-0.030	-0.043	-0.046
Sb		7	-0.005	0.007	-123			-0.009	0.004	0.000	-0.003	-0.003	-0.015	-0.011
Se		7	0.023	0.008	34			0.033	0.021	0.036	0.016	0.018	0.019	0.022
Si		7	0.014	0.041	288			-0.053	0.070	0.040	0.015	0.041	-0.005	-0.009
Sn		7	-0.015	0.112	-747			0.015	0.050	0.021	-0.019	0.061	0.029	-0.261
Sr		7	0.000	0.000	-41			0.000	0.000	0.000	-0.001	0.000	0.000	0.000
Te		7	-0.005	0.004	-68			-0.005	-0.003	-0.003	-0.011	-0.001	-0.006	-0.010
Th		7	0.723	0.022	3			0.707	0.730	0.753	0.735	0.740	0.702	0.695
Ti		7	0.001	0.000	45			0.001	0.001	0.001	0.000	0.001	0.001	0.000
Tl		7	0.215	0.004	2			0.216	0.215	0.214	0.211	0.215	0.223	0.213
U	50.0	7	50.323	0.578	1	0.323	0.6	49.745	49.787	50.451	50.190	50.742	49.993	51.355
V		7	0.002	0.001	49			0.001	0.003	0.003	0.001	0.004	0.001	0.001
W		7	0.047	0.008	18			0.056	0.047	0.039	0.034	0.053	0.046	0.055
Y		7	0.004	0.001	17			0.003	0.004	0.004	0.003	0.005	0.003	0.004
Zn		7	-0.029	0.001	-4			-0.027	-0.028	-0.029	-0.030	-0.029	-0.029	-0.031
Zr	10.0	7	10.016	0.099	1	0.016	0.2	10.105	9.904	10.062	9.911	9.931	10.143	10.055
TIME		7	########	0.000	0			10000.000	########	########	########	########	########	########

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

3-977

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

ICPAES RUN LOG (ICP -325-405)

[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	K28866	950254A	ICP1	9/11/95-DA
	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	✓							✓	Fail-K high	MCVA 950728I901						
	15	✓							✓	PASS	" "						
	16	✓							✓	Te, U, W - Fail Low	Old MCVB 950905H901						
	17	✓							✓	U, W - Fail Low	New " 950907H901						
	18	✓									SRM-1643c 103668						
	19	✓								"	CCV1 950713H901						
	20	✓									STD1-Blank 108444						
	21	✓								95-007932-C3	Method Blank Drainables (Water Leach)						
	22	✓								95-007932-C1	Seg. 2 Drainable Liquids "	5X					
	23	✓						✓		~~95-007932-C1~~ 8/8 9/12/95	SST-ICS-0 950908I100						
	24	✓								492 ppm	Na @ 500 ppm (950622I124010X)						
	25	✓								95-007932-C1	Seg. 2 Drainable Liquid (Water Leach)						

[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:\OFFICE\PROGRAMS\RUNLOG.TJ2 (04-02-93)

WHC-SD-WM-DP-[illegible] REV. 1

9978

Battelle PNL/ACL/Inorganic Analysis Group

ICPAES RUN LOG (ICP -325-405)

Note: Blank spaces or lines are permitted.

[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	✓								95-007932-C2	Seg 2 Drainable Liquid (Waterleach)	5X	K. Silvers	K28866	950254A	ICP1	9/11/95
	2	✓								95-007932-C2	" " " " Dup "						
	3	✓							✓	PASS	MCVA 950728I901						
	4	✓					✓				STD 1-Blank 108444						
	5	✓								95-007935-C1	Seg 3 Drainable Liquid (Waterleach)	5X					
	6	✓								95-007935-C1	" " " "						
	7	✓								95-007935-C2	" " " Dup. "	5X					
	8	✓								95-007935-C2	" " " " "						
	9	✓							✓	PASS	MCVA 950728I901						
	10	✓						✓			SSI-ICS-0 950908I100						
	11	✓					✓				STD1-Blank 108444						
	12	✓				✓	✓				" " "						
	13	✓				✓					" 2 950830I102						
	14	✓				✓					" 3 3						
	15	✓				✓					" 4 4						
	16	✓				✓					" 5 5						
	17	✓				✓					" 6 6						
	18	✓				✓					" 7 7						
	19	✓				✓					" 8 8						
	20	✓				✓					" 9 9						
	21	✓					✓				" 1-Blank 108444						
	22	✓							✓	FAIL-K high	MCVA 950728I901						
	23	✓								Fail-K high	" "						
	24	✓				✓	✓				STD 1-Blank 108444						
	25	✓				✓					STD 2 950830I103						

[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&TF # WD00560

Initial or Continuing Calibration [V]erification Standard

ADF = Analytical Dilution Factor (other than 1x)

File: C:\OPTIONS\ICP\ALSVIUM (XS.TJ2 (04-07-95)

WHC-SD-WM-DP-115 REV. 1

3979

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	✓							✓	PASS	MCVA 950728I901		K. Silvers	K29866	95D254A	ICP1	9/11/95 DKS
	2	✓						✓			SST-ICS-0 950908I100						
	3	✓					✓				STD1-Blank 108444						
	4	✓								95-007945-C1	Sludge Sample (Water Leach)	5X					
	5	✓								95-007945-C1	" " "						
	6	✓								95-007945-C2	" " Duplicate "	5X					
	7	✓								95-007945-C2	" " " "						
	8	✓								95-007946-C1	" " "	5X					
	9	✓								95-007946-C1	" " "						
	10	✓								95-007946-C2	" " Duplicate "	5X					
	11	✓								95-007946-C2	" " " "						
	12	✓							✓	PASS	MCVA 950728I901						
	13	✓						✓			SST-ICS-0 950908I100						
	14	✓					✓				STD1-Blank 108444						
	15	✓								95-007947-C1	Sludge Sample (Water Leach)	5X					
	16	✓								95-007947-C1	" " "						
	17	✓								95-007947-C2	" " Duplicate "	5X					
	18	✓								95-007947-C2	" " " "						
	19	✓								95-007948-C1	" " "	5X					
	20	✓								95-007948-C1	" " "						
	21	✓								95-007948-C2	" " Duplicate "	5X					
	22	✓								95-007948-C2	" " " "						
	23	✓							✓	FAIL	MCVA 950728I901						
	24	✓							✓	Fail-Bi, Si	" "						
	25	✓							✓	PASS	" "						

[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:\OPROV\PROGRAMS\RUNLOG.TJ2 (94-02-03)

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

5-980

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	✓					✓				STD1-Blank 108444		K. Silvers	K28966	95D254A	ICP 1	9/11/95 RM
	1	✓							✓	PASS	MCVA 950728I901						
	1	✓						✓			SST-ICS-0 950908I100						
	1	✓					✓				STD1-Blank 108444						
	1	✓								95-007941-C	Method Blank (Waterhead)						
	1	✓								95-007941-C1	Sludge Sample "	5X					
	1	✓								95-007941-C1	" " "						
	1	✓								95-007941-C2	" " Duplicate "	5X					
	1	✓								95-007941-C2	" " "						
	10	✓								95-007942-C1	" " "	5X					
	11	✓								95-007942-C1	" " "						
	11	✓								95-007942-C2	" " Duplicate "	5X					
	11	✓								95-007942-C2	" " " "						
	11	✓							✓	PASS	MCVA 950728I901						
	11	✓						✓			SST-ICS-0 950908I100						
	11	✓					✓				STD1-Blank 108444						
	11	✓								974 ppm	Na @ 1000 ppm						
	11	✓								95-007943-C1	Sludge Sample (Waterhead)	5X					
	11	✓								95-007943-C1	" " "						
	11	✓								95-007943-C2	" " Duplicate "	5X					
	11	✓								95-007943-C2	" " " "						
	11	✓								95-007944-C1	" " "	5X					
	11	✓								95-007944-C1	" " "						
	11	✓								95-007944-C2	" " Duplicate "	5X					
	11	✓								95-007944-C2							

[SP] System Performance [S]tandardization or calibration

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

*Mode [C] or [I] = IC Concentration [I]ntensity

Initial or Continuing Calibration [B]lank

[X] A solid vertical line denotes contiguous data.

M A T E # W D 0 0 5 6 0

Initial or Continuing Calibration [V]erification Standard

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

file: C:\OPPO\PROGRAMS\RUNLOG.TJ2 (04-02-93)

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

981

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

ICPAES RUN LOG (ICP -325-405)

[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-0 950908I101		K. Silver	K28866	950264A	ICP1	9/11/95 RH
	2	✓							✓	PASS ⊗	MCUB ~~PA~~ NDS 950911I901						
	3	✓							✓		SRM-1643c 103668						
	4	✓						✓			CCV1 950713I901						
	5	✓					✓				STD1-Blank 108444						
	6																
	7																
	8																
	9																
	10																
	11																
	12																
	13																
	14																
	15																
	16																
	17																
	18																
	19																
	20																
	21																
	22																
	23																
	24																
	25																

[SP] System Performance [S]tandardization or calibration

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

*Mode IC = IC Innoncentration, I Intensity

Initial or Continuing Calibration [B]lank

[X] A solid vertical line denotes contiguous data.

M & T F # W D 0 0 5 6 0

Initial or Continuing Calibration [V]erification Standard

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

file: C:\OPDOCPROGRAMS\WIN.OCL\TJ2 (04-07-93)

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

982

Analysis Report Summary Mon 09-11-95 05:21:17 PM page 1

95D254A
ICP-325-405-1
9/14/95 [illegible]

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	SPC-BLK 108444	95D254A	ICP1	09/11/95	09:00	DRS	S	INT
2	SPC-BLK 108444	95D254A	ICP1	09/11/95	09:00	DRS	S	CONC
3	SPC-STD 950831I101	95D254A	ICP1	09/11/95	09:03	DRS	S	INT
4	SPC-STD 950831I101	95D254A	ICP1	09/11/95	09:03	DRS	S	CONC
5	STD1-Blank	95D254A	ICP1	09/11/95	09:09		X	IR
6	STD2	95D254A	ICP1	09/11/95	09:10		X	IR
7	STD3	95D254A	ICP1	09/11/95	09:14		X	IR
8	STD4	95D254A	ICP1	09/11/95	09:18		X	IR
9	STD5	95D254A	ICP1	09/11/95	09:22		X	IR
10	STD6	95D254A	ICP1	09/11/95	09:25		X	IR
11	STD7	95D254A	ICP1	09/11/95	09:29		X	IR
12	STD8	95D254A	ICP1	09/11/95	09:33		X	IR
13	STD9	95D254A	ICP1	09/11/95	09:37		X	IR
14	STD1-Blank 108444	95D254A	ICP1	09/11/95	09:44	DRS	S	CONC
15	MCVA 950728I901	95D254A	ICP1	09/11/95	09:47	DRS	Q	CONC
16	MCVA 950728I901	95D254A	ICP1	09/11/95	09:51	DRS	Q	CONC
17	OLD MCVB 950905H901	95D254A	ICP1	09/11/95	09:55	DRS	Q	CONC
18	NEW MCVB 950911H901	95D254A	ICP1	09/11/95	09:59	DRS	Q	CONC
19	SRM-1643c 103668	95D254A	ICP1	09/11/95	10:03	DRS	Q	CONC
20	CCV1 950713H901	95D254A	ICP1	09/11/95	10:07	DRS	S	CONC
21	STD1-Blank 108444	95D254A	ICP1	09/11/95	10:19	DRS	S	CONC
22	95-007932-C3	95D254A	ICP1	09/11/95	10:21	DRS	S	CONC
23	95-007932-C1 @5	95D254A	ICP1	09/11/95	10:24	DRS	S	CONC
24	SST-ICS-0 950908I100	95D254A	ICP1	09/11/95	10:28	DRS	S	CONC
25	Na @500 PPM	95D254A	ICP1	09/11/95	10:32	DRS	S	CONC
26	95-007932-C1	95D254A	ICP1	09/11/95	10:36	DRS	S	CONC
27	95-007932-C2 @5	95D254A	ICP1	09/11/95	10:40	DRS	S	CONC
28	95-007932-C2 [illegible] 9/1/95	95D254A	ICP1	09/11/95	10:44	DRS	S	CONC
29	MCVA 950728I901	95D254A	ICP1	09/11/95	10:49	DRS	Q	CONC
30	STD1-Blank 108444	95D254A	ICP1	09/11/95	10:52	DRS	S	CONC
31	95-007935-C1 @5	95D254A	ICP1	09/11/95	10:55	DRS	S	CONC
32	95-007935-C1	95D254A	ICP1	09/11/95	10:58	DRS	S	CONC
33	95-007935-C2 @5	95D254A	ICP1	09/11/95	11:03	DRS	S	CONC
34	95-007935-C2	95D254A	ICP1	09/11/95	11:07	DRS	S	CONC
35	MCVA 950728I901	95D254A	ICP1	09/11/95	11:12	DRS	Q	CONC
36	SST-ICS-0 950908I100	95D254A	ICP1	09/11/95	11:16	DRS	S	CONC
37	STD1-Blank 108444	95D254A	ICP1	09/11/95	11:20	DRS	S	CONC
38	STD1-Blank	95D254A	ICP1	09/11/95	12:34		X	IR
39	STD2	95D254A	ICP1	09/11/95	12:36		X	IR
40	STD3	95D254A	ICP1	09/11/95	12:40		X	IR
41	STD3	95D254A	ICP1	09/11/95	12:44		X	IR
42	STD4	95D254A	ICP1	09/11/95	12:48		X	IR
43	STD5	95D254A	ICP1	09/11/95	12:52		X	IR
44	STD6	95D254A	ICP1	09/11/95	12:56		X	IR
45	STD7	95D254A	ICP1	09/11/95	13:00		X	IR
46	STD8	95D254A	ICP1	09/11/95	13:03		X	IR
47	STD9	95D254A	ICP1	09/11/95	13:07		X	IR
48	STD1-Blank 108444	95D254A	ICP1	09/11/95	13:11	DRS	S	CONC
49	MCVA 950728I901	95D254A	ICP1	09/11/95	13:13	DRS	Q	CONC
50	MCVA 950728I901	95D254A	ICP1	09/11/95	13:24	DRS	Q	CONC
51	STD1-Blank	95D254A	ICP1	09/11/95	13:28		X	IR
52	STD3	95D254A	ICP1	09/11/95	13:30		X	IR
53	STD1-Blank 108444	95D254A	ICP1	09/11/95	13:34	DRS	S	CONC

Analysis Report Summary Mon 09-11-95 05:21:17 PM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	MCVA 950728I901	95D254A	ICP1	09/11/95	13:36	DRS	Q	CONC
55	SST-ICS-0 950908I100	95D254A	ICP1	09/11/95	13:39	DRS	S	CONC
56	STD1-Blank 108444	95D254A	ICP1	09/11/95	13:44	DRS	S	CONC
57	95-007941-C3	95D254A	ICP1	09/11/95	13:49	DRS	S	CONC
58	95-007941-C1 @5	95D254A	ICP1	09/11/95	13:53	DRS	S	CONC
59	95-007941-C1	95D254A	ICP1	09/11/95	13:57	DRS	S	CONC
60	95-007941-C2 @5	95D254A	ICP1	09/11/95	14:02	DRS	S	CONC
61	95-007941-C2	95D254A	ICP1	09/11/95	14:06	DRS	S	CONC
62	95-007942-C1 @5	95D254A	ICP1	09/11/95	14:09	DRS	S	CONC
63	95-007942-C1	95D254A	ICP1	09/11/95	14:14	DRS	S	CONC
64	95-007942-C2 @5	95D254A	ICP1	09/11/95	14:17	DRS	S	CONC
65	95-007942-C2	95D254A	ICP1	09/11/95	14:21	DRS	S	CONC
66	MCVA 950728I901	95D254A	ICP1	09/11/95	14:26	DRS	Q	CONC
67	SST-ICS-0 950908I100	95D254A	ICP1	09/11/95	14:29	DRS	S	CONC
68	STD1-Blank 108444	95D254A	ICP1	09/11/95	14:33	DRS	S	CONC
69	Na @1000 PPM	95D254A	ICP1	09/11/95	14:37	DRS	S	CONC
70	95-007943-C1 @5	95D254A	ICP1	09/11/95	14:41	DRS	S	CONC
71	95-007943-C1	95D254A	ICP1	09/11/95	14:45	DRS	S	CONC
72	95-007943-C2 @5	95D254A	ICP1	09/11/95	14:50	DRS	S	CONC
73	95-007943-C2	95D254A	ICP1	09/11/95	14:53	DRS	S	CONC
74	95-007944-C1 @5	95D254A	ICP1	09/11/95	14:57	DRS	S	CONC
75	95-007944-C1	95D254A	ICP1	09/11/95	15:01	DRS	S	CONC
76	95-007944-C2 @5	95D254A	ICP1	09/11/95	15:05	DRS	S	CONC
77	95-007944-C2	95D254A	ICP1	09/11/95	15:09	DRS	S	CONC
78	MCVA 950728I901	95D254A	ICP1	09/11/95	15:14	DRS	Q	CONC
79	SST-ICS-0 950908I100	95D254A	ICP1	09/11/95	15:19	DRS	S	CONC
80	STD1-Blank 108444	95D254A	ICP1	09/11/95	15:23	DRS	S	CONC
81	95-007945-C1 @5	95D254A	ICP1	09/11/95	15:25	DRS	S	CONC
82	95-007945-C1	95D254A	ICP1	09/11/95	15:28	DRS	S	CONC
83	95-007945-C2 @5	95D254A	ICP1	09/11/95	15:32	DRS	S	CONC
84	95-007945-C2	95D254A	ICP1	09/11/95	15:36	DRS	S	CONC
85	95-007946-C1 @5	95D254A	ICP1	09/11/95	15:40	DRS	S	CONC
86	95-007946-C1	95D254A	ICP1	09/11/95	15:44	DRS	S	CONC
87	95-007946-C2 @5	95D254A	ICP1	09/11/95	15:47	DRS	S	CONC
88	95-007946-C2	95D254A	ICP1	09/11/95	15:51	DRS	S	CONC
89	MCVA 950728I901	95D254A	ICP1	09/11/95	15:54	DRS	Q	CONC
90	SST-ICS-0 950908I100	95D254A	ICP1	09/11/95	15:58	DRS	S	CONC
91	STD1-Blank 108444	95D254A	ICP1	09/11/95	16:02	DRS	S	CONC
92	95-007947-C1 @5	95D254A	ICP1	09/11/95	16:04	DRS	S	CONC
93	95-007947-C1	95D254A	ICP1	09/11/95	16:08	DRS	S	CONC
94	95-007947-C2 @5	95D254A	ICP1	09/11/95	16:11	DRS	S	CONC
95	95-007947-C2	95D254A	ICP1	09/11/95	16:16	DRS	S	CONC
96	95-007948-C1 @5	95D254A	ICP1	09/11/95	16:20	DRS	S	CONC
97	95-007948-C1	95D254A	ICP1	09/11/95	16:24	DRS	S	CONC
98	95-007948-C2 @5	95D254A	ICP1	09/11/95	16:27	DRS	S	CONC
99	95-007948-C2	95D254A	ICP1	09/11/95	16:31	DRS	S	CONC
100	MCVA 950728I901	95D254A	ICP1	09/11/95	16:45	DRS	Q	CONC
101	MCVA 950728I901	95D254A	ICP1	09/11/95	16:51	DRS	Q	CONC
102	MCVA 950728I901	95D254A	ICP1	09/11/95	16:52	DRS	Q	CONC
103	SST-ICS-0 950908I100	95D254A	ICP1	09/11/95	16:57	DRS	S	CONC
104	MCVB 950911H901	95D254A	ICP1	09/11/95	17:00	DRS	Q	CONC
105	SRM-1643c 103668	95D254A	ICP1	09/11/95	17:03	DRS	Q	CONC
106	CCV1 950713H901	95D254A	ICP1	09/11/95	17:07	DRS	S	CONC
107	STD1-Blank 108444	95D254A	ICP1	09/11/95	17:10	DRS	S	CONC

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 3

#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108444	6653.33	2113.33	1670.67	1102.33	308	175
2	SPC-BLK 108444	.0023	.0089	.0033	.0064	-.0003	.0001
3	SPC-STD 950831I101	6794.33	2153.67	1739	1144.33	311.667	176
4	SPC-STD 950831I101	.0067	.0113	.0279	.0105	.0001	.0002
5	STD1-Blank	.66756	.21183	.16813	.10893	.03099	.01743
6	STD2					8.26373	
7	STD3		75.4985		51.7033		
8	STD4						
9	STD5			27.6464			
10	STD6						
11	STD7						1.95313
12	STD8	31.0002					
13	STD9						
14	STD1-Blank 108444	-.0005	-.0005	.0022	.0051	.0002	.0000
15	MCVA 950728I901	.4865	25.13	2.566	1.997	.5134	.0937
16	MCVA 950728I901	.4869	25.03	2.584	1.989	.5112	.0938
17	OLD MCVB 950905H901	-.0030	-.2178	-.0056	.0001	-.0002	.0001
18	NEW MCVB 950911H901	.0008	-.2035	.0027	-.0006	.0001	.0002
19	SRM-1643c 103668	Q-.0001	Q.0968	.0826	Q.1082	.0489	.0220
20	CCV1 950713H901	.0012	1.893	2.011	1.925	.9966	.9653
21	STD1-Blank 108444	.0002	.0015	.0051	-.0004	.0001	-.0000
22	95-007932-C3	.0055	.0286	.0082	.4655	.0013	.0001
23	95-007932-C1 @5	.0001	78.81	.0677	.1609	.0000	.0006
24	SST-ICS-0 950908I100	-.0097	98.29	.1017	-.0033	-.0001	.0006
25	Na @500 PPM	-.0027	.0376	-.0061	.0826	-.0006	-.0001
26	95-007932-C1	.0054	391.5	.3330	.7797	.0008	.0033
27	95-007932-C2 @5	.0002	75.12	.0675	.1132	.0001	.0006
28	95-007931-C2	.0072	372.9	.3493	.5523	.0012	.0032
29	MCVA 950728I901	.4891	25.11	2.631	2.002	.5165	.0946
30	STD1-Blank 108444	-.0012	-.0013	.0032	-.0006	.0000	-.0000
31	95-007935-C1 @5	-.0036	83.24	.0787	.1070	-.0000	.0006
32	95-007935-C1	-.0070	402.3	.3790	.5162	.0014	.0032
33	95-007935-C2 @5	-.0014	76.82	.0665	.0859	.0005	.0006
34	95-007935-C2	-.0067	383.2	.3297	.4323	.0014	.0031
35	MCVA 950728I901	.4874	25.17	2.620	2.001	.5175	.0945
36	SST-ICS-0 950908I100	-.0104	97.82	.1077	-.0043	-.0001	.0006
37	STD1-Blank 108444	-.0013	.0008	.0020	-.0008	-.0002	-.0001
38	STD1-Blank	.65976	.21056	.16903	.10719	.03083	.01736
39	STD2					8.41053	
40	STD3		.41283		.14079		
41	STD3		75.1912		51.5393		
42	STD4						
43	STD5			27.8348			
44	STD6						
45	STD7						1.92556
46	STD8	31.3059					
47	STD9						
48	STD1-Blank 108444	-.0001	.0017	-.0012	.0115	-.0001	.0000
49	MCVA 950728I901	.4812	25.18	2.594	2.000	.5031	.0943
50	MCVA 950728I901	.4853	25.09	2.599	1.992	.5091	.0950
51	STD1-Blank	.65703	.21116	.16956	.12449	.0307	.01736
52	STD3		77.0558		52.781		
53	STD1-Blank 108444	.0000	.0097	-.0080	.0100	.0002	-.0000

Analysis Report Averages Mon 09-11-95 05:21:17 PM page

#	Sample Name	Ag	Al	As	B	Ba	Be
54	MCVA 950728I901	.4751	24.02	2.549	1.911	.4914	.0924
55	SST-ICS-0 950908I100	-.0113	98.43	.1187	-.0051	-.0001	.0007
56	STD1-Blank 108444	.0003	-.0037	.0015	-.0043	.0001	-.0000
57	95-007941-C	.0069	.0324	.0120	.0089	.0024	.0002
58	95-007941-C1 @5	.0002	5.637	.0202	.0156	.0003	.0000
59	95-007941-C1	.0021	29.04	.1301	.0901	.0014	.0004
60	95-007941-C2 @5	-.0011	5.558	.0180	.0091	-.0001	.0000
61	95-007941-C2	.0029	28.04	.1205	.0633	.0014	.0003
62	95-007942-C1 @5	-.0011	14.16	.0242	.0077	.0003	.0001
63	95-007942-C1	.0062	69.40	.1299	.0621	.0023	.0005
64	95-007942-C1 @5	-.0008	13.51	.0170	.0136	.0004	.0000
65	95-007942-C2	.0056	67.58	.1266	.0931	.0022	.0005
66	MCVA 950728I901	.4824	24.47	2.622	1.959	.5049	.0949
67	SST-ICS-0 950908I100	-.0106	95.28	.1560	-.0089	.0000	.0007
68	STD1-Blank 108444	.0007	.0063	.0009	-.0054	.0002	-.0000
69	Na @1000 PPM	.0019	.0068	.0089	-.0060	.0003	.0000
70	95-007943-C1 @5	.0011	19.75	.0315	.0194	.0001	.0000
71	95-007943-C1	.0096	98.80	.1842	.1265	.0010	.0003
72	95-007943-C2 @5	.0026	20.84	.0333	.0076	.0004	.0001
73	95-007943-C2	.0096	106.3	.1949	.0714	.0012	.0004
74	95-007944-C1 @5	-.0008	21.66	.0682	.0122	.0002	-.0001
75	95-007944-C1	-.0026	105.2	.3508	.0889	.0006	.0001
76	95-007944-C2 @5	.0012	16.99	.0538	.0217	.0005	-.0000
77	95-007944-C2	.0010	85.08	.2702	.1350	.0011	.0001
78	MCVA 950728I901	.4802	24.31	2.633	1.943	.4993	.0942
79	SST-ICS-0 950908I100	-.0116	96.72	.1548	-.0106	-.0001	.0007
80	STD1-Blank 108444	-.0013	.0005	.0014	-.0093	-.0004	-.0000
81	95-007945-C1 @5	-.0030	15.20	.0288	.0096	-.0006	-.0001
82	95-007945-C1	.0000	75.96	.2026	.0903	.0004	.0000
83	95-007945-C2 @5	-.0037	16.94	.0536	.0245	-.0006	-.0001
84	95-007945-C2	-.0007	81.26	.3015	.1555	.0003	.0000
85	95-007946-C1 @5	-.0017	10.52	.0319	.0123	-.0000	-.0001
86	95-007946-C1	.0018	52.45	.1294	.0978	.0012	.0001
87	95-007946-C2 @5	.0008	12.89	.0349	.0168	.0010	.0000
88	95-007946-C2	.0040	64.84	.1593	.1229	.0018	.0001
89	MCVA 950728I901	.4677	23.76	2.542	1.884	.4865	.0917
90	SST-ICS-0 950908I100	-.0142	96.25	.1229	-.0117	-.0004	.0006
91	STD1-Blank 108444	-.0014	.0004	.0014	-.0097	-.0004	-.0000
92	95-007947-C1 @5	-.0014	9.356	.0270	.0328	-.0001	-.0001
93	95-007947-C1	-.0001	46.05	.1937	.2051	.0007	.0000
94	95-007947-C2 @5	-.0027	10.69	.0227	.0377	.0001	-.0001
95	95-007947-C2	-.0007	52.30	.1839	.2197	.0024	.0000
96	95-007948-C1 @5	-.0019	8.714	.0156	.0331	.0000	-.0000
97	95-007948-C1	-.0011	44.21	.1496	.2089	.0009	.0000
98	95-007948-C2 @5	-.0036	10.24	.0384	.0454	.0003	-.0000
99	95-007948-C2	-.0042	48.15	.2878	.2489	-.0001	-.0001
100	MCVA 950728I901	Q.4448	22.72	2.391	Q1.795	.4621	Q.0859
101	MCVA 950728I901	.4519	22.77	2.434	1.804	.4612	Q.0867
102	MCVA 950728I901	.4720	24.03	2.544	1.902	.4887	.0910
103	SST-ICS-0 950908I100	-.0111	97.29	.1270	-.0017	.0004	.0006
104	MCVB 950911H901	.0030	-.1563	.0117	.0022	.0006	.0003
105	SRM-1643c 103668	Q.0015	Q.1051	Q.0776	Q.1120	.0490	.0219
106	CCV1 950713H901	.0035	1.880	2.021	1.900	.9809	.9586
107	STD1-Blank 108444	.0022	.0050	.0041	.0001	.0005	.0001

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 5

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SPC-BLK 108444	1437	1311	439	6354.33	1440	467.667
2	SPC-BLK 108444	-.0010	.0052	.0001	.0174	.0017	.0008
3	SPC-STD 950831I101	1733	1266.33	460.333	6420	1455.33	492.333
4	SPC-STD 950831I101	.0057	-.0092	.0020	.0299	.0034	.0046
5	STD1-Blank	.1444	.13099	.0441	.63503	.14366	.04766
6	STD2					17.9359	12.9645
7	STD3		81.6629	10.1901			
8	STD4						
9	STD5				25.736		
10	STD6						
11	STD7						
12	STD8	27.7811					
13	STD9						
14	STD1-Blank 108444	.0009	-.0028	.0008	.0008	.0009	-.0003
15	MCVA 950728I901	24.58	25.05	.5034	-.0286	1.036	1.032
16	MCVA 950728I901	24.61	25.12	.5055	-.0283	1.040	1.039
17	OLD MCVB 950905H901	-.0116	.0106	.0004	1.945	.0008	.0011
18	NEW MCVB 950911H901	-.0119	.0103	.0015	1.955	.0028	.0021
19	SRM-1643c 103668	-.0023	35.66	.0125	-.0041	.0234	Q.0197
20	CCV1 950713H901	1.906	1.933	.9873	.0106	1.048	.5259
21	STD1-Blank 108444	.0055	-.0003	.0002	-.0038	-.0013	.0004
22	95-007932-C3	.0148	-.0314	.0024	.0435	.0037	.0020
23	95-007932-C1 @5	.0103	-.0342	.0012	-.0009	.0192	.6400
24	SST-ICS-0 950908I100	.0553	.0649	.0109	-.1449	.0033	.0359
25	Na @500 PPM	-.0106	.2578	-.0003	-.0194	-.0027	.0004
26	95-007932-C1	.0485	-.0215	.0032	.0251	.0967	3.124
27	95-007932-C2 @5	.0152	-.0317	.0005	-.0067	.0179	.6078
28	95-007931-C2	.0508	-.0179	.0026	.0379	.0940	2.997
29	MCVA 950728I901	24.75	25.22	.5079	-.0475	1.047	1.044
30	STD1-Blank 108444	.0012	.0014	.0014	-.0104	-.0016	.0015
31	95-007935-C1 @5	.0036	-.0274	.0006	-.0101	.0173	.6657
32	95-007935-C1	.0497	-.0144	.0009	.0362	.0932	3.178
33	95-007935-C2 @5	.0133	-.0309	.0019	.0010	.0173	.6138
34	95-007935-C2	.0502	-.0114	.0016	.0314	.0880	3.004
35	MCVA 950728I901	24.78	25.16	.5056	-.0550	1.045	1.043
36	SST-ICS-0 950908I100	.0470	.0637	.0086	-.1478	.0036	.0356
37	STD1-Blank 108444	-.0009	.0000	.0006	-.0099	-.0015	.0006
38	STD1-Blank	.14476	.12973	.04493	.62809	.14386	.04773
39	STD2					18.3288	13.1536
40	STD3		.43823	1.13763			
41	STD3		82.0539	10.1453			
42	STD4						
43	STD5				25.6155		
44	STD6						
45	STD7						
46	STD8	27.96					
47	STD9						
48	STD1-Blank 108444	-.0054	-.0069	.0002	.0111	-.0004	-.0013
49	MCVA 950728I901	24.36	24.91	.4980	-.0158	1.015	1.015
50	MCVA 950728I901	24.56	24.79	.4964	-.0326	1.020	1.026
51	STD1-Blank	.14596	.12923	.0438	.62933	.14323	.04639
52	STD3		82.5582	10.2855			
53	STD1-Blank 108444	-.0047	.0046	.0006	-.0051	.0002	.0012

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 6

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
54	MCVA 950728I901	23.87	24.27	.4841	-.0050	.9983	.9973
55	SST-ICS-0 950908I100	.0431	.0634	.0088	-.1487	.0027	.0365
56	STD1-Blank 108444	-.0077	-.0052	.0007	-.0046	.0002	.0020
57	95-007941-C	.0191	.7969	.0023	.0611	.0048	.0012
58	95-007941-C1 @5	-.0072	.0537	.0015	.0032	.0023	.0944
59	95-007941-C1	.0129	.2146	.0012	.0120	.0158	.4862
60	95-007941-C2 @5	.0005	.0477	.0001	-.0020	.0014	.0900
61	95-007941-C2	.0080	.2469	.0011	.0193	.0162	.4757
62	95-007942-C1 @5	-.0011	1.125	-.0001	-.0041	.0030	.1341
63	95-007942-C1	.0243	1.499	.0009	.0438	.0246	.6551
64	95-007942-C1 @5	-.0002	1.359	-.0011	-.0017	.0027	.1293
65	95-007942-C2	.0144	1.406	.0003	.0429	.0242	.6377
66	MCVA 950728I901	24.39	24.82	.4913	-.0302	1.025	1.029
67	SST-ICS-0 950908I100	.0601	.0695	.0089	-.1385	.0043	.0384
68	STD1-Blank 108444	.0021	.0032	.0001	.0065	.0011	.0015
69	Na @1000 PPM	.0079	.2904	.0014	.0173	.0027	.0013
70	95-007943-C1 @5	.0058	1.497	-.0005	.0054	.0069	.2354
71	95-007943-C1	.0249	.0558	.0006	.0452	.0400	1.161
72	95-007943-C2 @5	.0033	1.553	.0001	.0111	.0083	.2560
73	95-007943-C2	.0251	.0517	.0000	.0440	.0433	1.269
74	95-007944-C1 @5	.0043	.5110	.0004	.0037	.0066	.2224
75	95-007944-C1	.0180	1.078	-.0009	.0087	.0318	1.069
76	95-007944-C2 @5	.0076	.4390	-.0001	.0107	.0063	.1754
77	95-007944-C2	.0173	.6168	-.0011	.0263	.0280	.8603
78	MCVA 950728I901	24.21	24.84	.4918	-.0143	1.024	1.015
79	SST-ICS-0 950908I100	.0590	.0699	.0085	-.1256	.0041	.0382
80	STD1-Blank 108444	-.0053	.0017	.0006	-.0100	-.0006	.0001
81	95-007945-C1 @5	-.0049	.1519	-.0010	-.0035	.0126	.1284
82	95-007945-C1	.0099	.4126	-.0003	.0034	.0771	.6583
83	95-007945-C2 @5	-.0085	.1832	-.0006	-.0193	.0142	.1438
84	95-007945-C2	.0209	.3748	-.0014	.0065	.0838	.7028
85	95-007946-C1 @5	-.0014	.5470	-.0004	-.0105	.0220	.1168
86	95-007946-C1	.0225	.1716	.0007	.0143	.1101	.5893
87	95-007946-C2 @5	.0121	.7371	.0001	.0062	.0285	.1514
88	95-007946-C2	.0276	.1557	.0023	.0286	.1372	.7500
89	MCVA 950728I901	23.53	24.09	.4809	-.0169	.9959	.9976
90	SST-ICS-0 950908I100	.0550	.0659	.0077	-.1608	.0021	.0376
91	STD1-Blank 108444	.0002	.0001	-.0003	-.0094	-.0014	-.0015
92	95-007947-C1 @5	.0045	.2047	-.0001	-.0053	.0224	.0499
93	95-007947-C1	.0276	.4154	.0004	.0070	.1152	.2539
94	95-007947-C2 @5	.0031	.3027	.0007	-.0155	.0249	.0567
95	95-007947-C2	.0387	1.047	-.0001	-.0019	.1259	.2765
96	95-007948-C1 @5	-.0014	.0724	-.0003	-.0102	.0226	.0762
97	95-007948-C1	.0179	.1966	.0006	-.0030	.1138	.3799
98	95-007948-C2 @5	.0042	.2000	.0000	-.0186	.0244	.0861
99	95-007948-C2	.0083	.2434	-.0015	-.0255	.1205	.4075
100	MCVA 950728I901	Q22.22	22.61	Q.4462	-.0021	.9354	.9311
101	MCVA 950728I901	Q22.45	23.06	.4592	.0248	.9550	.9499
102	MCVA 950728I901	23.52	24.00	.4734	.0149	.9931	.9878
103	SST-ICS-0 950908I100	.0637	.0755	.0099	-.1433	.0053	.0389
104	MCVB 950911H901	.0045	.0197	-.0001	2.003	.0038	.0011
105	SRM-1643c 103668	.0186	Q34.84	.0130	.0072	Q.0258	Q.0200
106	CCV1 950713H901	1.888	1.911	.9658	.0299	1.027	.5088
107	STD1-Blank 108444	-.0007	.0020	-.0011	.0132	.0020	.0001

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 7

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108444	456	1970	340.667	572	2196	998.667
2	SPC-BLK 108444	-.0022	.0023	.0003	.0012	.7615	.0020
3	SPC-STD 950831I101	23694.7	2218.33	344	630.667	2213.67	1009.67
4	SPC-STD 950831I101	10.16	-.0011	.0008	.0008	1.082	.0053
5	STD1-Blank	.04736	.1966	.03409	.05719	.21953	.09993
6	STD2	4.59713			76.2377		
7	STD3					3.23539	
8	STD4		50.3269	11.5604			6.34486
9	STD5						
10	STD6						
11	STD7						
12	STD8						
13	STD9						
14	STD1-Blank 108444	.0002	.0003	.0002	-.0008	-.0497	.0005
15	MCVA 950728I901	1.008	.0005	.0022	20.60	Q27.56	.0054
16	MCVA 950728I901	1.012	.0003	.0021	20.64	26.79	.0052
17	OLD MCVB 950905H901	.0058	1.983	1.972	.0008	-.2874	1.990
18	NEW MCVB 950911H901	-.0046	1.965	1.956	.0018	.1824	1.983
19	SRM-1643c 103668	Q.0154	-.0016	.0007	Q.1165	Q2.006	.0036
20	CCV1 950713H901	2.021	.0009	.0007	2.029	4.913	.0015
21	STD1-Blank 108444	-.0008	-.0005	-.0002	-.0002	.0442	.0005
22	95-007932-C3	.0037	.0059	.0015	.0086	1.398	.0119
23	95-007932-C1 @5	.0063	.0002	.0000	.2714	6.173	.0014
24	SST-ICS-0 950908I100	-.0137	-.0037	.0002	20.25	-.0553	.0058
25	Na @500 PPM	-.0029	-.0026	-.0010	.0030	-.5968	-.0039
26	95-007932-C1	.0429	.0042	.0015	1.308	29.40	.0095
27	95-007932-C2 @5	.0063	-.0002	-.0001	.2586	5.880	.0008
28	95-007931-C2	.0433	.0053	.0020	1.256	28.12	.0121
29	MCVA 950728I901	1.016	-.0013	.0014	20.80	25.08	.0020
30	STD1-Blank 108444	-.0006	-.0009	-.0006	.0019	-.1989	-.0017
31	95-007935-C1 @5	.0212	-.0015	-.0006	.2209	5.963	-.0022
32	95-007935-C1	.1074	.0048	.0018	1.015	29.59	.0112
33	95-007935-C2 @5	.0202	.0004	.0002	.2063	5.930	.0026
34	95-007935-C2	.1030	.0044	.0017	.9854	28.26	.0109
35	MCVA 950728I901	1.015	-.0022	.0010	20.79	25.48	.0005
36	SST-ICS-0 950908I100	-.0109	-.0047	.0000	20.11	-.2321	.0047
37	STD1-Blank 108444	-.0010	-.0012	-.0005	.0016	-.2984	-.0014
38	STD1-Blank	.0456	.19556	.03386	.05676	.21646	.09916
39	STD2	4.62836			77.5038		
40	STD3					.22223	
41	STD3					3.08436	
42	STD4		50.1248	11.556			6.39306
43	STD5						
44	STD6						
45	STD7						
46	STD8						
47	STD9						
48	STD1-Blank 108444	.0083	.0000	.0002	-.0011	.0000	.0009
49	MCVA 950728I901	1.002	.0012	.0025	20.20	Q28.06	.0058
50	MCVA 950728I901	1.005	-.0006	.0020	20.32	Q28.78	.0028
51	STD1-Blank	.04693	.19493	.03386	.05683	.21506	.0992
52	STD3					3.25536	
53	STD1-Blank 108444	-.0016	.0000	-.0001	-.0012	-.0493	-.0003

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 8

#	Sample Name	Cu	Dy	Eu	Fe	K	La
54	MCVA 950728I901	.9677	.0032	.0029	19.79	26.70	.0096
55	SST-ICS-0 950908I100	-.0052	-.0044	.0002	20.03	.0110	.0004
56	STD1-Blank 108444	-.0025	.0000	.0000	-.0007	-.0055	-.0002
57	95-007941-C	.0057	.0074	.0024	.0102	1.799	.0134
58	95-007941-C1 @5	.0042	-.0002	-.0001	.0742	.8830	.0007
59	95-007941-C1	.0342	.0012	.0006	.3076	4.782	.0030
60	95-007941-C2 @5	.0068	-.0013	-.0001	.0648	.6910	-.0013
61	95-007941-C2	.0471	.0025	.0009	.2883	4.563	.0046
62	95-007942-C1 @5	-.0017	-.0007	-.0002	.0598	1.168	-.0016
63	95-007942-C1	.0105	.0062	.0021	.2698	7.393	.0113
64	95-007942-C1 @5	-.0012	-.0004	-.0001	.0630	1.212	-.0002
65	95-007942-C2	.0108	.0053	.0020	.2628	7.245	.0105
66	MCVA 950728I901	.9987	.0001	.0019	20.36	23.79	.0049
67	SST-ICS-0 950908I100	-.0103	-.0027	.0006	19.73	.0823	.0042
68	STD1-Blank 108444	-.0011	.0008	.0003	.0027	.1316	.0017
69	Na @1000 PPM	-.0004	.0021	.0006	.0067	.2303	.0030
70	95-007943-C1 @5	.0034	.0001	.0001	.1106	2.084	.0013
71	95-007943-C1	.0314	.0056	.0020	.5158	11.00	.0101
72	95-007943-C2 @5	.0098	.0013	.0006	.1165	2.457	.0031
73	95-007943-C2	.0472	.0055	.0020	.5573	11.77	.0112
74	95-007944-C1 @5	.0035	.0003	.0002	.0959	1.914	.0011
75	95-007944-C1	.0278	.0011	.0007	.4412	8.879	.0032
76	95-007944-C2 @5	.0031	.0017	.0007	.0776	1.870	.0033
77	95-007944-C2	.0295	.0037	.0014	.3434	8.024	.0074
78	MCVA 950728I901	.9804	.0019	.0025	20.28	24.42	.0078
79	SST-ICS-0 950908I100	-.0155	-.0032	.0006	19.98	-.0165	.0034
80	STD1-Blank 108444	-.0032	-.0011	-.0003	.0013	-.3510	-.0016
81	95-007945-C1 @5	-.0057	-.0027	-.0008	.7820	1.508	-.0041
82	95-007945-C1	-.0010	.0007	.0005	3.864	9.981	.0017
83	95-007945-C2 @5	-.0072	-.0030	-.0009	.8141	1.596	-.0053
84	95-007945-C2	-.0027	.0000	.0005	3.884	10.69	.0011
85	95-007946-C1 @5	-.0053	-.0013	-.0004	.7935	1.870	-.0026
86	95-007946-C1	-.0020	.0023	.0008	3.877	10.80	.0030
87	95-007946-C2 @5	-.0027	.0015	.0004	.9795	2.929	.0017
88	95-007946-C2	.0012	.0046	.0016	4.771	13.75	.0079
89	MCVA 950728I901	.9644	.0026	.0026	19.68	24.76	.0090
90	SST-ICS-0 950908I100	-.0183	-.0043	.0002	19.69	-.1536	.0009
91	STD1-Blank 108444	-.0044	-.0013	-.0005	.0015	-.3565	-.0018
92	95-007947-C1 @5	-.0031	-.0011	-.0004	.8236	1.832	-.0012
93	95-007947-C1	.0063	.0011	.0006	3.825	9.652	.0020
94	95-007947-C2 @5	-.0035	-.0018	-.0005	1.017	1.821	-.0031
95	95-007947-C2	.0068	-.0001	.0003	4.717	11.47	.0004
96	95-007948-C1 @5	-.0042	-.0011	-.0003	.7048	1.678	-.0030
97	95-007948-C1	.0001	.0001	.0002	3.227	9.768	.0000
98	95-007948-C2 @5	-.0052	-.0026	-.0007	.9510	1.854	-.0048
99	95-007948-C2	-.0016	-.0036	-.0007	3.630	9.828	-.0058
100	MCVA 950728I901	.9197	.0045	.0029	18.44	26.55	.0112
101	MCVA 950728I901	.9180	.0082	.0041	18.68	26.28	.0175
102	MCVA 950728I901	.9762	.0044	.0031	19.56	27.45	.0115
103	SST-ICS-0 950908I100	.0056	-.0017	.0011	19.70	.3998	.0052
104	MCVB 950911H901	.0036	2.009	1.992	.0064	.4382	2.012
105	SRM-1643c 103668	.0200	.0006	.0013	Q.1174	2.503	.0081
106	CCV1 950713H901	1.996	.0037	.0016	1.980	5.729	.0081
107	STD1-Blank 108444	.0023	.0021	.0007	-.0007	.3505	.0034

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 9

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
1	SPC-BLK 108444	420.667	2408.33	199.667	813.333	417.667	3715.67
2	SPC-BLK 108444	.0023	.0015	.0005	.0011	.0305	.0116
3	SPC-STD 950831I101	29150.3	2519	73956	843	422	3747
4	SPC-STD 950831I101	10.93	.0113	10.36	-.0001	.0486	.0203
5	STD1-Blank	.0421	.24093	.02033	.08089	.04193	.37073
6	STD2		46.7079		12.269	6.16273	
7	STD3	14.1341		7.31366			
8	STD4						17.2329
9	STD5						
10	STD6						
11	STD7						
12	STD8						
13	STD9						
14	STD1-Blank 108444	-.0004	-.0048	-.0005	.0005	-.0014	.0034
15	MCVA 950728I901	1.998	26.72	.5126	1.035	25.32	.0152
16	MCVA 950728I901	1.956	26.74	.5144	1.039	24.72	.0096
17	OLD MCVB 950905H901	-.0001	.0700	.0001	-.0023	-.0222	1.944
18	NEW MCVB 950911H901	.0014	.0912	.0004	.0001	.0144	1.936
19	SRM-1643c 103668	Q.0099	Q9.973	.0350	.1032	Q11.19	.0030
20	CCV1 950713H901	1.876	2.107	1.021	2.017	7.581	.0080
21	STD1-Blank 108444	-.0004	.0034	-.0003	-.0008	-.0095	-.0006
22	95-007932-C3	.0050	.0228	.0003	.0012	.7473	.0391
23	95-007932-C1 @5	.0030	.0072	.0004	.0311	407.0	.0033
24	SST-ICS-0 950908I100	.0024	.2746	.0013	.0063	.0199	-.0232
25	Na @500 PPM	-.0013	-.0050	-.0002	-.0019	491.9	-.0132
26	95-007932-C1	.0129	.0123	.0032	.1618	1834.	.0251
27	95-007932-C2 @5	.0019	-.0015	.0004	.0284	389.5	.0010
28	95-007931-C2	.0134	.0243	.0035	.1539	1750.	.0336
29	MCVA 950728I901	1.916	26.89	.5179	1.047	24.19	.0001
30	STD1-Blank 108444	-.0001	.0030	-.0003	.0002	-.0053	-.0023
31	95-007935-C1 @5	.0000	.0038	.0005	.0323	395.7	-.0096
32	95-007935-C1	.0112	.0197	.0033	.1606	1744.	.0328
33	95-007935-C2 @5	.0024	.0030	.0006	.0279	365.8	.0067
34	95-007935-C2	.0102	.0200	.0034	.1509	1670.	.0319
35	MCVA 950728I901	1.946	26.88	.5172	1.046	24.49	-.0029
36	SST-ICS-0 950908I100	.0021	.2818	.0013	.0070	-.0109	-.0264
37	STD1-Blank 108444	-.0009	.0003	-.0003	-.0008	-.0121	-.0086
38	STD1-Blank	.04176	.23993	.01973	.08173	.04143	.36853
39	STD2		47.2094		12.5598	5.98643	
40	STD3	.05263		.02759			
41	STD3	13.5764		7.32149			
42	STD4						17.2495
43	STD5						
44	STD6						
45	STD7						
46	STD8						
47	STD9						
48	STD1-Blank 108444	-.0006	-.0034	.0003	-.0003	.0028	.0023
49	MCVA 950728I901	2.030	26.31	.5115	1.015	25.48	.0208
50	MCVA 950728I901	2.079	26.51	.5090	1.021	26.65	.0069
51	STD1-Blank	.04196	.23899	.01996	.08183	.04143	.3675
52	STD3	14.4438		7.41326			
53	STD1-Blank 108444	.0014	-.0037	.0002	-.0010	-.0112	-.0033

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 10

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
54	MCVA 950728I901	1.884	25.81	.4956	1.001	25.25	.0335
55	SST-ICS-0 950908I100	.0021	.2590	.0008	.0065	.0067	-.0262
56	STD1-Blank 108444	-.0007	-.0026	-.0005	-.0010	-.0014	.0006
57	95-007941-C	.0067	.2515	.0008	.0014	.3893	.0515
58	95-007941-C1 @5	.0557	.0307	.0012	.0031	186.2	.0045
59	95-007941-C1	.2839	.0902	.0040	.0239	933.3	.0122
60	95-007941-C2 @5	.0597	.0198	.0008	.0024	170.6	-.0039
61	95-007941-C2	.2924	.0967	.0039	.0227	810.0	.0220
62	95-007942-C1 @5	.0009	.0108	.0000	.0050	461.3	.0001
63	95-007942-C1	.0137	.0459	.0013	.0363	2024.	.0443
64	95-007942-C1 @5	.0010	.0112	.0001	.0043	449.9	.0018
65	95-007942-C2	.0137	.0714	.0012	.0337	2019.	.0415
66	MCVA 950728I901	1.819	26.41	.5090	1.025	24.04	.0106
67	SST-ICS-0 950908I100	.0038	.2853	.0014	.0078	.0277	-.0170
68	STD1-Blank 108444	.0013	-.0018	.0000	-.0007	.0194	.0100
69	Na @1000 PPM	.0033	.0106	.0004	.0007	974.4	.0145
70	95-007943-C1 @5	.0424	.0279	.0004	.0088	316.4	.0035
71	95-007943-C1	.2061	.0257	.0016	.0602	1463.	.0376
72	95-007943-C2 @5	.0136	.0377	.0006	.0116	352.8	.0113
73	95-007943-C2	.0637	.0331	.0015	.0652	1644.	.0379
74	95-007944-C1 @5	.0120	.0308	.0003	.0108	397.0	.0051
75	95-007944-C1	.0571	.0936	.0011	.0564	1777.	.0070
76	95-007944-C2 @5	.0109	.0360	.0004	.0098	365.0	.0124
77	95-007944-C2	.0489	.0446	.0009	.0478	1686.	.0257
78	MCVA 950728I901	1.816	26.30	.5081	1.019	24.17	.0212
79	SST-ICS-0 950908I100	.0028	.2949	.0014	.0082	.0121	-.0213
80	STD1-Blank 108444	-.0014	-.0090	-.0001	-.0007	-.0040	-.0048
81	95-007945-C1 @5	-.0014	-.0027	-.0001	.0061	288.5	-.0161
82	95-007945-C1	.0018	.0680	.0010	.0471	1332.	.0057
83	95-007945-C2 @5	-.0022	-.0074	-.0002	.0069	411.2	-.0178
84	95-007945-C2	.0033	.0569	.0008	.0520	1816.	.0024
85	95-007946-C1 @5	-.0004	.0113	.0002	.0048	175.5	-.0074
86	95-007946-C1	.0021	.0422	.0010	.0350	825.6	.0137
87	95-007946-C2 @5	.0005	.0417	.0007	.0069	237.0	.0107
88	95-007946-C2	.0046	.0557	.0014	.0467	1116.	.0254
89	MCVA 950728I901	1.810	25.63	.4937	.9904	24.11	.0246
90	SST-ICS-0 950908I100	.0027	.2758	.0008	.0063	.0202	-.0245
91	STD1-Blank 108444	-.0013	-.0048	-.0003	-.0014	.0045	-.0068
92	95-007947-C1 @5	-.0003	.0090	.0009	.0042	266.1	-.0055
93	95-007947-C1	.0031	.0448	.0036	.0353	1218.	.0065
94	95-007947-C2 @5	-.0006	.0124	.0020	.0043	304.9	-.0112
95	95-007947-C2	.0014	.1030	.0095	.0379	1415.	.0020
96	95-007948-C1 @5	-.0004	.0102	.0013	.0041	280.8	-.0081
97	95-007948-C1	.0016	.0363	.0038	.0301	1320.	.0025
98	95-007948-C2 @5	-.0016	.0372	.0028	.0033	446.2	-.0156
99	95-007948-C2	-.0007	.0442	.0037	.0327	1884.	-.0218
100	MCVA 950728I901	1.858	24.12	.4617	.9345	25.03	.0322
101	MCVA 950728I901	1.803	24.42	.4682	.9465	24.25	.0571
102	MCVA 950728I901	1.938	25.57	.4901	.9937	26.06	.0326
103	SST-ICS-0 950908I100	.0046	.2845	.0013	.0095	.0235	-.0125
104	MCVB 950911H901	.0027	.0991	.0005	.0010	.0155	1.991
105	SRM-1643c 103668	Q.0135	Q9.808	.0345	.1037	12.48	.0157
106	CCV1 950713H901	1.908	2.071	.9999	1.971	8.241	.0262
107	STD1-Blank 108444	.0012	.0104	.0001	.0018	.0151	.0122

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 11

#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
1	SPC-BLK 108444	475.333	1314.67	13583.3	15464.7	15378	2641
2	SPC-BLK 108444	.0027	.0041	.0148	.0294	.0164	-.0007
3	SPC-STD 950831I101	488.667	1478.33	139244	15647	15532.3	2742.67
4	SPC-STD 950831I101	.0070	.0004	10.61	.0646	.0310	.0267
5	STD1-Blank	.04773	.13033	1.35873	1.54873	1.53743	.26379
6	STD2	6.13439		61.0939			
7	STD3		14.5259				
8	STD4						
9	STD5						37.2464
10	STD6						
11	STD7						
12	STD8						
13	STD9				21.7333	51.2997	
14	STD1-Blank 108444	.0009	.0079	.0078	.0146	.0025	-.0021
15	MCVA 950728I901	1.064	.0618	2.644	-.0125	.0013	2.535
16	MCVA 950728I901	1.071	.0649	2.650	-.0276	-.0023	2.512
17	OLD MCVB 950905H901	.0066	-.0222	.0363	1.848	1.941	-.0132
18	NEW MCVB 950911H901	.0087	.0067	.0571	1.873	1.950	-.0086
19	SRM-1643c 103668	.0625	.0201	0.0316	-.0234	-.0120	-.0199
20	CCV1 950713H901	2.114	4.859	2.098	.0166	.0078	-.0111
21	STD1-Blank 108444	.0021	-.0000	.0047	.0013	.0017	.0021
22	95-007932-C3	.0055	.0070	.0293	.1048	.0485	.0116
23	95-007932-C1 @5	.7024	1.056	.1521	-.0007	.0041	-.0106
24	SST-ICS-D 950908I100	52.70	.0183	.2023	-.4124	-.0432	-.0147
25	Na @500 PPM	.0042	-.0041	-.0132	-.0419	-.0178	.0028
26	95-007932-C1	3.430	5.450	.4806	.0799	.0514	-.0667
27	95-007932-C2 @5	.6766	1.012	.1549	-.0042	.0043	-.0149
28	95-007931-C2	3.299	5.253	.5189	.1085	.0632	-.0452
29	MCVA 950728I901	1.080	.0585	2.642	-.0515	-.0119	2.538
30	STD1-Blank 108444	-.0007	-.0032	-.0046	-.0162	-.0044	-.0026
31	95-007935-C1 @5	.5381	1.044	.1544	-.0212	-.0063	-.0190
32	95-007935-C1	2.557	5.330	.5450	.1019	.0623	-.0626
33	95-007935-C2 @5	.5065	1.013	.1751	.0194	.0108	-.0152
34	95-007935-C2	2.442	5.016	.5647	.0864	.0562	-.0759
35	MCVA 950728I901	1.076	.0384	2.640	-.0651	-.0210	2.539
36	SST-ICS-0 950908I100	52.47	.0069	.1893	-.4334	-.0443	-.0090
37	STD1-Blank 108444	.0087	.0068	.0016	-.0188	-.0065	.0015
38	STD1-Blank	.04769	.12986	1.34673	1.53999	1.52693	.26086
39	STD2	6.3074		61.851			
40	STD3		.15133				
41	STD3		14.4164				
42	STD4						
43	STD5						37.073
44	STD6						
45	STD7						
46	STD8						
47	STD9				21.8814	52.0983	
48	STD1-Blank 108444	-.0002	.0082	.0021	.0086	.0050	.0045
49	MCVA 950728I901	1.044	.0681	2.609	.0118	.0106	2.552
50	MCVA 950728I901	1.044	.0414	2.601	-.0323	-.0066	2.555
51	STD1-Blank	.04749	.13166	1.35226	1.53886	1.52286	.26673
52	STD3		14.6163				
53	STD1-Blank 108444	.0011	-.0034	-.0039	-.0053	-.0019	-.0126

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 12

#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
54	MCVA 950728I901	1.030	.0675	2.565	.0346	.0265	2.505
55	SST-ICS-0 950908I100	51.96	.0234	.1891	-.4481	-.0458	-.0111
56	STD1-Blank 108444	.0049	.0111	-.0057	-.0050	.0012	-.0085
57	95-007941-C	.0027	.2544	.0296	.1405	.0610	.0134
58	95-007941-C1 @5	.1029	42.81	.0001	.0049	-.0002	-.0018
59	95-007941-C1	.5294	227.2	.0282	.0303	.0172	.0083
60	95-007941-C2 @5	.0965	32.85	-.0061	-.0139	-.0092	-.0097
61	95-007941-C2	.4833	172.1	.0355	.0461	.0205	-.0010
62	95-007942-C1 @5	.1414	1.417	.0033	-.0113	-.0052	-.0018
63	95-007942-C1	.6922	7.040	.0883	.1101	.0486	.0178
64	95-007942-C1 @5	.1333	1.468	.0088	-.0123	-.0043	-.0089
65	95-007942-C2	.6768	7.350	.0852	.1007	.0495	.0141
66	MCVA 950728I901	1.052	.0698	2.595	-.0222	-.0043	2.562
67	SST-ICS-0 950908I100	51.46	.0599	.1991	-.4594	-.0413	.0039
68	STD1-Blank 108444	.0045	.0029	.0022	.0176	.0075	-.0011
69	Na @1000 PPM	.0006	.0247	.0082	.0315	.0171	.0003
70	95-007943-C1 @5	.2412	9.505	.0136	.0049	.0045	-.0024
71	95-007943-C1	1.209	48.86	.0603	.1001	.0519	.0126
72	95-007943-C2 @5	.2641	10.37	.0291	.0245	.0118	.0049
73	95-007943-C2	1.341	53.63	.0701	.1009	.0510	.0165
74	95-007944-C1 @5	.1629	5.078	-.0003	.0081	.0020	-.0028
75	95-007944-C1	.8000	26.04	.0247	.0134	.0073	.0024
76	95-007944-C2 @5	.1308	5.707	.0142	.0331	.0149	-.0000
77	95-007944-C2	.6529	29.63	.0492	.0629	.0301	.0074
78	MCVA 950728I901	1.056	.0829	2.615	.0019	.0124	2.550
79	SST-ICS-0 950908I100	52.24	.0339	.1892	-.4889	-.0413	.0003
80	STD1-Blank 108444	.0018	.0168	-.0103	-.0184	-.0093	-.0005
81	95-007945-C1 @5	1.112	12.64	-.0176	-.0533	-.0210	-.0222
82	95-007945-C1	5.519	65.98	.0012	.0066	.0186	.0003
83	95-007945-C2 @5	1.009	10.93	-.0230	-.0622	-.0245	-.0071
84	95-007945-C2	4.856	55.55	.0110	-.0069	.0157	.0074
85	95-007946-C1 @5	1.493	15.87	-.0162	-.0247	-.0073	-.0058
86	95-007946-C1	7.341	81.61	.0131	.0317	.0396	.0008
87	95-007946-C2 @5	1.646	30.71	-.0014	.0146	.0135	-.0071
88	95-007946-C2	8.140	159.2	.0253	.0714	.0616	.0110
89	MCVA 950728I901	1.026	.1037	2.538	.0088	.0127	2.489
90	SST-ICS-0 950908I100	51.46	.0414	.1715	-.5018	-.0520	-.0034
91	STD1-Blank 108444	.0019	-.0063	-.0173	-.0243	-.0115	-.0052
92	95-007947-C1 @5	1.917	38.40	-.0114	-.0227	-.0054	-.0102
93	95-007947-C1	9.435	198.3	.0115	.0021	.0312	.0133
94	95-007947-C2 @5	1.682	48.54	-.0166	-.0423	-.0123	-.0092
95	95-007947-C2	8.064	247.5	.0272	-.0179	.0245	.0094
96	95-007948-C1 @5	1.317	49.87	-.0083	-.0271	-.0095	-.0069
97	95-007948-C1	6.522	261.6	.0062	-.0126	.0199	.0019
98	95-007948-C2 @5	1.471	66.97	-.0156	-.0500	-.0191	-.0089
99	95-007948-C2	6.801	334.3	-.0025	-.0836	-.0076	.0058
100	MCVA 950728I901	.9695	.0581	2.393	.0424	.0316	2.345
101	MCVA 950728I901	.9861	.0815	2.465	.1175	.0632	2.375
102	MCVA 950728I901	1.031	.0615	2.536	.0420	.0272	2.494
103	SST-ICS-0 950908I100	51.65	.0220	.1885	-.4577	-.0299	-.0033
104	MCVB 950911H901	.0247	.0048	.0556	2.027	1.984	.0030
105	SRM-1643c 103668	.0672	.0255	.0356	.0070	.0065	.0006
106	CCV1 950713H901	2.090	4.707	2.050	.0624	.0320	.0081
107	STD1-Blank 108444	.0075	.0006	.0126	.0305	.0169	.0050

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 13

#	Sample Name	Se	Si	Sn	Sr	Te	Th
1	SPC-BLK 108444	1555.33	4683	6950	140.667	10076	2393
2	SPC-BLK 108444	.0061	.2066	.0679	-.0003	.0176	.0026
3	SPC-STD 950831I101	1586	4706	7081	142	10788.3	2420.67
4	SPC-STD 950831I101	.0219	.2091	.0985	-.0002	.0140	.0091
5	STD1-Blank	.15386	.45896	.69389	.01406	1.0072	.23963
6	STD2				8.37473		
7	STD3						
8	STD4						12.3481
9	STD5						
10	STD6						
11	STD7		79.7375			57.0047	
12	STD8	4.00299					
13	STD9			8.71183			
14	STD1-Blank 108444	.0122	.7508	.0190	.0003	.0023	-.0010
15	MCVA 950728I901	2.521	19.53	-.0657	.5175	.0067	.0459
16	MCVA 950728I901	2.513	19.20	-.0792	.5168	-.0017	.0494
17	OLD MCVB 950905H901	-.0001	-.1334	1.949	-.0001	@1.772	5.054
18	NEW MCVB 950911H901	.0182	-.2043	2.024	.0001	1.816	5.064
19	SRM-1643c 103668	@.0080	-.3143	-.0319	.2629	-.0006	.0032
20	CCV1 950713H901	1.958	4.549	.0368	2.022	-.0056	.0093
21	STD1-Blank 108444	-.0028	-.0104	-.0182	-.0000	.0046	.0006
22	95-007932-C3	.0080	.0575	.1410	.0006	.0199	.0007
23	95-007932-C1 @5	-.0040	.1742	.0373	.0004	-.0142	.0041
24	SST-ICS-0 950908I100	.0188	-.0053	.0292	-.0002	-.0057	.7017
25	Na @500 PPM	.0033	1.099	-.0648	.0038	-.0119	-.0045
26	95-007932-C1	-.0011	.9492	.2695	.0011	-.0429	.0032
27	95-007932-C2 @5	-.0017	.1008	.0183	.0004	-.0173	.0021
28	95-007931-C2	.0112	.7727	.2890	.0013	-.0389	-.0005
29	MCVA 950728I901	2.542	19.08	-.1359	.5229	-.0022	.0441
30	STD1-Blank 108444	.0007	-.0701	-.0265	.0000	-.0041	-.0022
31	95-007935-C1 @5	-.0036	.1679	-.0005	.0042	-.0241	-.0016
32	95-007935-C1	-.0088	1.054	.2417	.0069	-.0422	.0046
33	95-007935-C2 @5	-.0058	.1102	.0370	.0036	-.0127	.0002
34	95-007935-C2	-.0185	.8972	.2207	.0118	-.0481	.0052
35	MCVA 950728I901	2.519	19.10	-.1350	.5246	-.0075	.0455
36	SST-ICS-0 950908I100	.0327	-.0527	.0148	-.0002	-.0048	.7067
37	STD1-Blank 108444	-.0003	-.0996	-.0261	-.0001	-.0019	-.0016
38	STD1-Blank	.15643	.39286	.6862	.0142	1.00119	.23673
39	STD2				8.68659		
40	STD3						
41	STD3						
42	STD4						12.3694
43	STD5						
44	STD6						
45	STD7		79.5024			56.8873	
46	STD8	4.07159					
47	STD9			8.74093			
48	STD1-Blank 108444	-.0055	.5820	.0146	.0002	-.0014	.0014
49	MCVA 950728I901	2.468	19.20	-.0273	.5070	.0017	.0421
50	MCVA 950728I901	2.489	19.10	-.2107	.5139	-.0075	.0433
51	STD1-Blank	.15513	.41646	.68366	.01446	.99729	.23623
52	STD3						
53	STD1-Blank 108444	-.0016	-.0240	.0118	-.0002	.0041	.0006

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 14

#	Sample Name	Se	Si	Sn	Sr	Te	Th
54	MCVA 950728I901	2.435	18.66	-.1188	.4961	.0098	.0413
55	SST-ICS-0 950908I100	.0223	-.0092	-.2614	-.0004	-.0096	.6946
56	STD1-Blank 108444	.0009	-.0453	.0138	-.0001	.0007	-.0015
57	95-007941-C	.0232	.1000	.1361	.0040	.0207	-.0054
58	95-007941-C1 @5	.0051	.5340	-.0048	.0013	.0036	-.0029
59	95-007941-C1	.0221	1.809	.0660	.0044	.0500	.0019
60	95-007941-C2 @5	-.0022	.5031	-.0344	.0011	-.0039	.0001
61	95-007941-C2	.0225	1.511	.0695	.0046	.0438	-.0019
62	95-007942-C1 @5	-.0054	.3138	-.0206	.0019	-.0084	-.0046
63	95-007942-C1	.0229	1.078	.1882	.0083	.0121	-.0060
64	95-007942-C1 @5	-.0046	.2555	-.0129	.0020	-.0102	-.0034
65	95-007942-C2	.0221	1.072	.1523	.0078	.0187	-.0019
66	MCVA 950728I901	2.498	19.17	-.0804	.5096	-.0061	.0425
67	SST-ICS-0 950908I100	.0214	.0704	.0497	-.0003	-.0034	.7298
68	STD1-Blank 108444	-.0028	.0161	.0161	.0000	.0060	-.0060
69	Na @1000 PPM	.0054	.0042	.0546	.0002	.0084	-.0008
70	95-007943-C1 @5	-.0024	.3046	.0110	.0018	-.0032	-.0058
71	95-007943-C1	.0402	1.110	.1833	.0012	.0217	.0015
72	95-007943-C2 @5	.0128	.3018	.0264	.0019	.0010	.0028
73	95-007943-C2	.0219	.9698	.1920	.0011	.0219	-.0029
74	95-007944-C1 @5	.0131	.2294	.0176	.0042	-.0019	-.0022
75	95-007944-C1	.0558	.6896	.0469	.0152	.0007	-.0037
76	95-007944-C2 @5	.0125	.2137	.0317	.0042	.0084	.0015
77	95-007944-C2	.0428	.6523	.1091	.0086	.0152	-.0051
78	MCVA 950728I901	2.497	19.00	-.0177	.5041	.0038	.0450
79	SST-ICS-0 950908I100	.0364	.0401	.0205	-.0004	-.0026	.7529
80	STD1-Blank 108444	.0019	-.0123	-.0342	-.0002	.0006	-.0027
81	95-007945-C1 @5	-.0050	.1266	-.1006	.0067	-.0137	-.0033
82	95-007945-C1	.0425	.3546	.0127	.0271	.0109	.0026
83	95-007945-C2 @5	.0087	.1375	-.1176	.0022	-.0169	-.0042
84	95-007945-C2	.0538	.3779	.0195	.0094	.0084	.0052
85	95-007946-C1 @5	-.0030	.0320	-.0373	.0093	-.0108	-.0023
86	95-007946-C1	.0199	.1483	.0388	.0264	.0167	.0066
87	95-007946-C2 @5	.0118	.0223	.0017	.0208	.0012	.0011
88	95-007946-C2	.0393	.1742	.1174	.0228	.0477	.0096
89	MCVA 950728I901	2.419	18.50	-.0231	.4914	.0043	.0419
90	SST-ICS-0 950908I100	.0161	.0148	-.0188	-.0005	-.0107	.7349
91	STD1-Blank 108444	.0021	-.0205	-.0527	-.0002	-.0090	-.0049
92	95-007947-C1 @5	.0046	.0714	-.0598	.0052	-.0056	-.0042
93	95-007947-C1	.0459	.3258	.0009	.0146	.0568	.0089
94	95-007947-C2 @5	.0071	.0443	-.0661	.0105	-.0038	.0032
95	95-007947-C2	.0359	.3540	.0050	.0409	.0543	.0144
96	95-007948-C1 @5	-.0088	.0380	-.0610	.0065	.0036	-.0024
97	95-007948-C1	.0273	.3483	-.0052	.0162	.0505	.0096
98	95-007948-C2 @5	.0015	.0444	-.0915	.0093	.0022	-.0004
99	95-007948-C2	.0604	.3603	-.0882	.0110	.0658	.0115
100	MCVA 950728I901	2.288	Q17.46	.0484	.4680	.0152	.0432
101	MCVA 950728I901	2.313	Q17.67	.1220	.4682	.0205	.0452
102	MCVA 950728I901	2.422	18.50	.0347	.4963	.0077	.0474
103	SST-ICS-0 950908I100	.0163	.0407	.0613	-.0002	-.0008	.7401
104	MCVB 950911H901	.0067	.0612	2.054	.0003	1.803	5.033
105	SRM-1643c 103668	Q.0077	.0258	-.0041	.2614	.0009	-.0038
106	CCV1 950713H901	1.941	4.913	.0982	1.998	-.0027	.0107
107	STD1-Blank 108444	-.0058	-.0010	.0373	.0004	.0050	.0036

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 15

#	Sample Name	Ti	Tl	U	V	W	Y
1	SPC-BLK 108444	656	342.667	17519.7	993.667	311.333	259
2	SPC-BLK 108444	.0005	.0036	.2129	.0019	-.0016	.0010
3	SPC-STD 950831I101	666	372.667	17640.3	1006	322.667	261.667
4	SPC-STD 950831I101	.0018	.0546	.3113	.0037	.0020	.0017
5	STD1-Blank	.06576	.03436	1.74983	.0995	.03053	.02596
6	STD2	15.3397					
7	STD3						
8	STD4						
9	STD5				12.7601		3.3213
10	STD6			52.9315			
11	STD7						
12	STD8		1.21333				
13	STD9					3.3798	
14	STD1-Blank 108444	-.0002	-.0001	.0466	-.0002	.0115	.0001
15	MCVA 950728I901	1.006	2.524	.1089	.9909	.0426	.0002
16	MCVA 950728I901	1.007	2.527	.0230	.9915	.0372	.0003
17	OLD MCVB 950905H901	-.0003	-.0156	Q8.347	-.0031	Q1.150	.9699
18	NEW MCVB 950911H901	.0010	-.0026	Q8.459	-.0006	Q.5157	.9683
19	SRM-1643c 103668	.0075	.0050	.0963	Q.0275	.0069	-.0019
20	CCV1 950713H901	.0003	1.917	.0829	.9575	.0119	.0004
21	STD1-Blank 108444	.0001	.0043	-.0394	.0001	-.0040	.0000
22	95-007932-C3	.0027	.0027	.6103	.0044	.0098	.0025
23	95-007932-C1 @5	.0002	.1677	-.0155	.0002	.1426	.0000
24	SST-ICS-0 950908I100	.0015	.2233	49.99	.0014	.0457	.0031
25	Na @500 PPM	-.0010	-.0034	-.2615	-.0019	-.0104	-.0010
26	95-007932-C1	.0016	.8274	.3422	.0032	.7400	.0015
27	95-007932-C2 @5	-.0000	.1585	-.0164	-.0000	.1255	-.0002
28	95-007931-C2	.0021	.8029	.5229	.0040	.7163	.0019
29	MCVA 950728I901	1.016	2.532	-.1206	.9987	.0237	-.0003
30	STD1-Blank 108444	-.0004	-.0014	-.1009	-.0003	-.0023	-.0004
31	95-007935-C1 @5	-.0005	.1592	-.1432	-.0010	1.668	-.0004
32	95-007935-C1	.0022	.8150	.5572	.0040	8.401	.0021
33	95-007935-C2 @5	.0003	.1525	.0730	.0009	1.545	.0005
34	95-007935-C2	.0027	.7780	.5633	.0038	7.969	.0017
35	MCVA 950728I901	1.018	2.530	-.1920	.9976	.0240	-.0007
36	SST-ICS-0 950908I100	.0013	.2164	49.75	.0011	.0556	.0027
37	STD1-Blank 108444	-.0006	-.0029	-.1223	-.0008	-.0047	-.0005
38	STD1-Blank	.06506	.03449	1.7323	.09846	.03116	.02569
39	STD2	15.6831					
40	STD3						
41	STD3						
42	STD4						
43	STD5				12.5722		3.24939
44	STD6			52.7958			
45	STD7						
46	STD8		1.2588				
47	STD9					3.36779	
48	STD1-Blank 108444	.0001	.0059	.0084	-.0007	.0014	-.0000
49	MCVA 950728I901	.9861	2.483	.2212	.9971	.0349	.0006
50	MCVA 950728I901	.9932	2.496	-.0212	1.004	.0198	.0002
51	STD1-Blank	.06496	.03503	1.72846	.09783	.03113	.02553
52	STD3						
53	STD1-Blank 108444	-.0003	-.0075	-.0377	-.0003	-.0004	-.0001

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 16

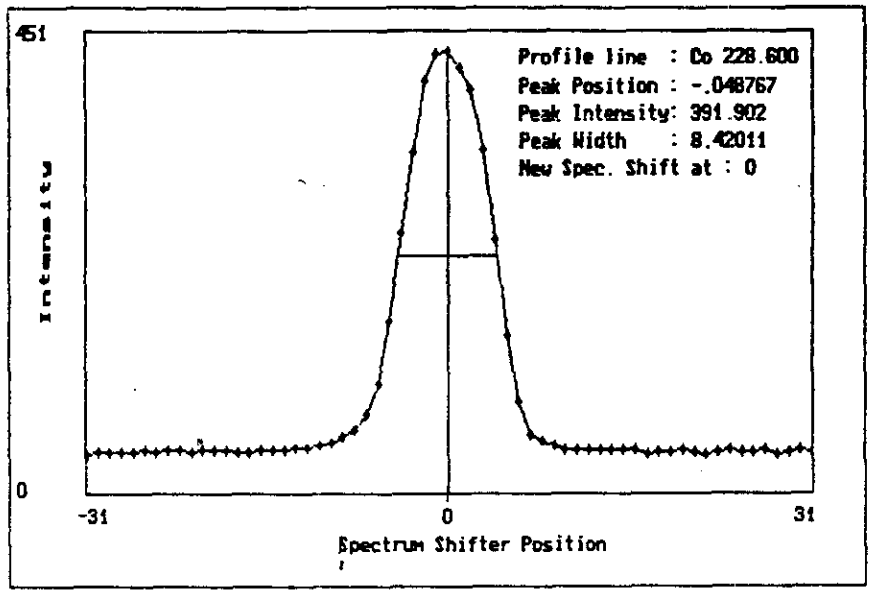
#	Sample Name	Ti	Tl	U	V	W	Y
54	MCVA 950728I901	.9645	2.442	.4270	.9792	.0380	.0016
55	SST-ICS-0 950908I100	.0004	.2128	51.36	.0014	.0555	.0038
56	STD1-Blank 108444	.0000	-.0071	-.0064	-.0000	-.0000	.0003
57	95-007941-C	.0034	.0126	.7738	.0055	.0089	.0027
58	95-007941-C1 @5	.0011	.0131	.0136	.0705	.0202	-.0002
59	95-007941-C1	.0045	.0856	.2242	.3671	.1557	.0004
60	95-007941-C2 @5	.0006	.0111	-.0703	.0556	.0190	-.0005
61	95-007941-C2	.0047	.0776	.2980	.2912	.1489	.0008
62	95-007942-C1 @5	-.0002	.0316	-.0726	.0002	.0220	-.0006
63	95-007942-C1	.0027	.1727	.6735	.0070	.1681	.0020
64	95-007942-C1 @5	.0000	.0279	-.0290	.0005	.0199	-.0004
65	95-007942-C2	.0025	.1649	.5620	.0072	.1647	.0020
66	MCVA 950728I901	.9938	2.499	.0954	1.004	.0205	-.0000
67	SST-ICS-0 950908I100	.0012	.2149	49.79	.0030	.0468	.0038
68	STD1-Blank 108444	.0005	.0012	.1250	.0008	.0032	.0000
69	Na @1000 PPM	.0010	.0149	.2368	.0019	.0080	.0006
70	95-007943-C1 @5	.0001	.0424	.0406	.0093	.0626	-.0002
71	95-007943-C1	.0023	.2319	.6082	.0478	.3298	.0020
72	95-007943-C2 @5	.0007	.0513	.1332	.0097	.0648	.0000
73	95-007943-C2	.0024	.2448	.5732	.0481	.3536	.0020
74	95-007944-C1 @5	-.0000	.0572	.1116	.0056	.5243	-.0003
75	95-007944-C1	.0002	.2954	.3767	.0282	2.697	.0000
76	95-007944-C2 @5	.0009	.0575	.2421	.0079	.4160	.0003
77	95-007944-C2	.0016	.2344	.5651	.0346	2.170	.0011
78	MCVA 950728I901	.9866	2.491	.2604	.9996	.0192	.0006
79	SST-ICS-0 950908I100	.0008	.2137	50.45	.0031	.0395	.0035
80	STD1-Blank 108444	-.0004	-.0005	-.0949	-.0005	-.0083	-.0007
81	95-007945-C1 @5	-.0011	.0383	-.2280	.0004	.1004	-.0014
82	95-007945-C1	.0003	.1995	.2979	.0124	.5893	-.0001
83	95-007945-C2 @5	-.0012	.0425	-.1433	-.0002	.1130	-.0019
84	95-007945-C2	.0002	.2455	.5859	.0106	.6381	-.0003
85	95-007946-C1 @5	-.0004	.0355	-.0460	-.0007	.0093	-.0010
86	95-007946-C1	.0010	.1414	.5578	.0031	.0883	.0004
87	95-007946-C2 @5	.0004	.0411	.2898	.0015	.0150	.0001
88	95-007946-C2	.0019	.1819	.7564	.0058	.1154	.0014
89	MCVA 950728I901	.9596	2.433	.2807	.9732	.0281	.0006
90	SST-ICS-0 950908I100	.0005	.2112	50.19	.0013	.0340	.0031
91	STD1-Blank 108444	-.0004	.0073	-.1625	-.0010	-.0092	-.0008
92	95-007947-C1 @5	-.0003	.0218	-.0309	.0001	.0107	-.0007
93	95-007947-C1	.0007	.1676	.4790	.0052	.0907	.0001
94	95-007947-C2 @5	-.0008	.0308	-.0805	-.0007	.0069	-.0010
95	95-007947-C2	.0006	.1570	.7448	.0053	.0879	-.0000
96	95-007948-C1 @5	-.0003	.0242	-.0211	.0001	.0179	-.0008
97	95-007948-C1	-.0000	.1421	.4966	.0049	.1121	-.0004
98	95-007948-C2 @5	-.0009	.0310	-.0147	-.0010	.0136	-.0014
99	95-007948-C2	-.0013	.1923	.7818	.0025	.1356	-.0021
100	MCVA 950728I901	.9051	2.308	.4670	.9147	.0453	.0019
101	MCVA 950728I901	.9120	2.337	.8363	.9262	.0445	.0035
102	MCVA 950728I901	.9600	2.440	.4541	.9717	.0390	.0018
103	SST-ICS-0 950908I100	.0014	.2147	50.74	.0035	.0530	.0046
104	MCVB 950911H901	.0012	.0166	Q8.540	.0000	Q.4896	.9697
105	SRM-1643c 103668	.0081	Q.0248	.2896	.0291	.0124	-.0011
106	CCV1 950713H901	.0016	1.947	.4248	.9632	.0173	.0019
107	STD1-Blank 108444	.0006	.0030	.2015	.0014	.0070	.0009

#	Sample Name	Zn	Zr
1	SPC-BLK 108444	334	822.667
2	SPC-BLK 108444	.0002	.0023
3	SPC-STD 950831I101	151823	830
4	SPC-STD 950831I101	10.36	.0032
5	STD1-Blank	.03303	.0824
6	STD2	29.5957	26.2631
7	STD3		
8	STD4		
9	STD5		
10	STD6		
11	STD7		
12	STD8		
13	STD9		
14	STD1-Blank 108444	.0005	-.0007
15	MCVA 950728I901	1.018	2.057
16	MCVA 950728I901	1.025	2.061
17	OLD MCVB 950905H901	.0018	-.0078
18	NEW MCVB 950911H901	.0021	-.0078
19	SRM-1643c 103668	Q.0844	-.0017
20	CCV1 950713H901	1.034	-.0005
21	STD1-Blank 108444	-.0009	-.0002
22	95-007932-C3	-.0008	.0043
23	95-007932-C1 @5	.0118	-.0004
24	SST-ICS-0 950908I100	-.0292	10.14
25	Na @500 PPM	.0039	.0025
26	95-007932-C1	.0499	.0035
27	95-007932-C2 @5	.0116	-.0001
28	95-007931-C2	.0481	.0047
29	MCVA 950728I901	1.035	2.084
30	STD1-Blank 108444	-.0004	-.0008
31	95-007935-C1 @5	.0247	-.0012
32	95-007935-C1	.0970	.0037
33	95-007935-C2 @5	.0209	.0005
34	95-007935-C2	.0886	.0032
35	MCVA 950728I901	1.036	2.086
36	SST-ICS-0 950908I100	-.0275	10.10
37	STD1-Blank 108444	-.0012	.0005
38	STD1-Blank	.03386	.08136
39	STD2	30.6473	26.7409
40	STD3		
41	STD3		
42	STD4		
43	STD5		
44	STD6		
45	STD7		
46	STD8		
47	STD9		
48	STD1-Blank 108444	-.0009	-.0004
49	MCVA 950728I901	1.008	2.019
50	MCVA 950728I901	1.010	2.037
51	STD1-Blank	.0333	.081
52	STD3		
53	STD1-Blank 108444	.0003	-.0008

Analysis Report Averages Mon 09-11-95 05:21:17 PM page 18

#	Sample Name	Zn	Zr
54	MCVA 950728I901	.9881	1.979
55	SST-ICS-0 950908I100	-.0307	10.06
56	STD1-Blank 108444	.0004	.0004
57	95-007941-C	.0023	.0055
58	95-007941-C1 @5	.0016	.0007
59	95-007941-C1	.0044	.0009
60	95-007941-C2 @5	.0009	-.0013
61	95-007941-C2	.0047	.0019
62	95-007942-C1 @5	.0167	-.0011
63	95-007942-C1	.0017	.0048
64	95-007942-C1 @5	.0200	-.0006
65	95-007942-C2	.0023	.0038
66	MCVA 950728I901	1.020	2.042
67	SST-ICS-0 950908I100	-.0280	9.904
68	STD1-Blank 108444	.0008	.0021
69	Na @1000 PPM	.0070	.0016
70	95-007943-C1 @5	.0242	.0013
71	95-007943-C1	.0034	.0036
72	95-007943-C2 @5	.0245	.0004
73	95-007943-C2	.0036	.0041
74	95-007944-C1 @5	.0095	.0003
75	95-007944-C1	.0058	.0002
76	95-007944-C2 @5	.0061	.0010
77	95-007944-C2	.0023	.0024
78	MCVA 950728I901	1.023	2.029
79	SST-ICS-0 950908I100	-.0295	10.06
80	STD1-Blank 108444	-.0001	.0002
81	95-007945-C1 @5	.0007	-.0013
82	95-007945-C1	-.0011	-.0002
83	95-007945-C2 @5	.0019	-.0024
84	95-007945-C2	.0006	-.0010
85	95-007946-C1 @5	.0086	-.0014
86	95-007946-C1	-.0037	.0006
87	95-007946-C2 @5	.0117	.0004
88	95-007946-C2	-.0018	.0024
89	MCVA 950728I901	1.001	1.973
90	SST-ICS-0 950908I100	-.0299	9.911
91	STD1-Blank 108444	-.0001	.0001
92	95-007947-C1 @5	.0032	.0008
93	95-007947-C1	.0001	.0004
94	95-007947-C2 @5	.0025	-.0022
95	95-007947-C2	.0056	.0001
96	95-007948-C1 @5	.0009	-.0013
97	95-007948-C1	.0006	-.0010
98	95-007948-C2 @5	.0020	-.0025
99	95-007948-C2	.0023	-.0044
100	MCVA 950728I901	.9450	1.861
101	MCVA 950728I901	.9634	1.879
102	MCVA 950728I901	1.004	1.974
103	SST-ICS-0 950908I100	-.0288	9.931
104	MCVB 950911H901	.0016	-.0123
105	SRM-1643c 103668	Q.0862	.0005
106	CCV1 950713H901	1.034	.0019
107	STD1-Blank 108444	.0003	.0011

95D254A
ICP-325-405-1
9/11/95 DKS



Analysis Report Mon 09-11-95 09:02:00 AM page 1

Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/11/95 09:00:42
Comment: SPC-BLK FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	6653	2113	1671	1102	308	175	1437
SDev	39	7	16	5	2	0	19
%RSD	.5922	.3488	.9546	.4566	.5624	.0000	1.289
#1	6663	2116	1653	1103	310	175	1451
#2	6687	2119	1684	1107	307	175	1444
#3	6610	2105	1675	1097	307	175	1416

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1311	439	6354	1440	468	456	1970
SDev	3	9	42	4	8	6	11
%RSD	.2642	2.088	.6550	.2504	1.728	1.221	.5348
#1	1313	441	6394	1443	463	457	1980
#2	1313	447	6358	1441	477	461	1971
#3	1307	429	6311	1436	463	450	1959

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	341	572	2196	999	421	2408	200
SDev	2	3	9	3	2	14	1
%RSD	.4484	.4625	.3891	.2891	.4948	.5668	.2892
#1	342	574	2204	1002	423	2423	199
#2	341	573	2197	997	419	2406	200
#3	339	569	2187	997	420	2396	200

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	813	418	3716	475	1315	13580	15460
SDev	6	1	18	2	19	40	77
%RSD	.6991	.2765	.4741	.3214	1.436	.2975	.4948
#1	815	417	3730	474	1331	13620	15530
#2	818	419	3721	475	1319	13540	15480
#3	807	417	3696	477	1294	13590	15380

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	15380	2641	1555	4683	6950	141	10080
SDev	116	17	24	17	18	1	64
%RSD	.7547	.6602	1.523	.3554	.2558	.4104	.6389
#1	15480	2633	1528	4690	6944	141	10100
#2	15400	2661	1570	4695	6970	141	10130
#3	15250	2629	1568	4664	6936	140	10000

Elem	Th	Ti	Tl	U	V	W	Y
Avge	2393	656	343	17520	994	311	259
SDev	17	3	2	49	4	2	1
%RSD	.6905	.4033	.6739	.2802	.4067	.4906	.3861
#1	2401	658	344	17570	996	313	260
#2	2404	657	344	17520	996	310	259
#3	2374	653	340	17470	989	311	258

Analysis Report

Mon 09-11-95 09:02:00 AM

Elem	Zn	Zr
Avge	334	823
SDev	10	3
%RSD	3.039	.3907
#1	325	825
#2	345	824
#3	332	819

Analysis Report

Mon 09-11-95 09:02:39 AM page 1

Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/11/95 09:00:42
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	.0023	.0089	.0033	.0064	-.0003	.0001	-.0010
SDev	.0012	.0034	.0060	.0005	.0002	.0000	.0067
%RSD	51.30	37.98	180.2	7.368	63.28	5.919	639.6
#1	.0024	.0093	-.0034	.0065	-.0001	.0001	.0040
#2	.0034	.0121	.0082	.0069	-.0004	.0001	.0015
#3	.0011	.0054	.0052	.0060	-.0004	.0001	-.0086

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	.0001	.0174	.0017	.0008	-.0022	.0023
SDev	.0009	.0009	.0080	.0004	.0013	.0023	.0009
%RSD	18.45	799.6	46.03	21.93	159.9	105.3	41.79
#1	.0056	.0004	.0250	.0020	.0000	-.0019	.0032
#2	.0058	.0009	.0181	.0018	.0023	-.0000	.0023
#3	.0041	-.0009	.0091	.0013	.0001	-.0047	.0013

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0012	.7615	.0020	.0023	.0015	.0005
SDev	.0002	.0006	.1549	.0008	.0008	.0058	.0001
%RSD	80.87	54.22	20.34	42.44	34.68	390.0	17.97
#1	.0005	.0016	.9065	.0029	.0032	.0079	.0004
#2	.0003	.0014	.7796	.0014	.0016	.0001	.0006
#3	.0000	.0004	.5983	.0016	.0020	-.0035	.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0305	.0116	.0027	.0041	.0148	.0294
SDev	.0009	.0049	.0050	.0005	.0136	.0034	.0136
%RSD	81.21	15.91	42.61	19.90	328.1	22.83	46.27
#1	.0014	.0276	.0156	.0022	.0159	.0178	.0427
#2	.0019	.0361	.0132	.0026	.0073	.0112	.0299
#3	.0001	.0278	.0061	.0032	-.0108	.0155	.0155

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0164	-.0007	.0061	.2066	.0679	-.0003	.0176
SDev	.0113	.0047	.0127	.0038	.0110	.0001	.0057
%RSD	68.91	655.8	208.2	1.840	16.18	19.32	32.55
#1	.0267	-.0029	-.0085	.2076	.0620	-.0003	.0193
#2	.0181	.0047	.0138	.2097	.0806	-.0003	.0223
#3	.0043	-.0038	.0130	.2023	.0611	-.0004	.0112

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0005	.0036	.2129	.0019	-.0016	.0010
SDev	.0052	.0003	.0038	.0434	.0006	.0022	.0003

%RSD	201.6	58.61	106.3	20.37	29.52	136.3	27.54
#1	.0038	.0008	.0057	.2562	.0022	.0007	.0013
#2	.0071	.0007	.0060	.2132	.0022	-.0038	.0010
#3	-.0031	.0002	-.0008	.1695	.0012	-.0019	.0007

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0002	.0023
SDev	.0007	.0003
%RSD	372.6	12.35
#1	-.0004	.0026
#2	.0009	.0022
#3	.0001	.0021

Analysis Report Mon 09-11-95 09:04:30 AM Page 1

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/11/95 09:03:12
Comment: SPC-STD FOR Mn/Cu RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	6794	2154	1739	1144	312	176	1733
SDev	49	11	3	9	3	1	21
%RSD	.7247	.4965	.1725	.8072	.9262	.5682	1.212
#1	6836	2163	1739	1139	315	176	1733
#2	6807	2156	1742	1139	310	177	1754
#3	6740	2142	1736	1155	310	175	1712

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1266	460	6420	1455	492	23690	2218
SDev	7	12	49	8	7	169	9
%RSD	.5258	2.619	.7613	.5248	1.497	.7126	.4189
#1	1272	449	6465	1462	498	23510	2226
#2	1268	473	6427	1457	484	23730	2221
#3	1259	459	6368	1447	495	23850	2208

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	344	631	2214	1010	29150	2519	73960
SDev	2	3	12	8	680	17	216
%RSD	.5035	.5097	.5427	.8306	2.332	.6922	.2917
#1	345	633	2226	1015	28450	2539	73710
#2	345	632	2213	1014	29200	2507	74080
#3	342	627	2202	1000	29810	2511	74090

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	843	422	3747	489	1478	139200	15650
SDev	5	7	20	6	34	102	84
%RSD	.5436	1.659	.5331	1.234	2.324	.0735	.5337
#1	847	429	3770	488	1459	139100	15740
#2	838	422	3737	495	1518	139300	15630
#3	844	415	3734	483	1458	139300	15580

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	15530	2743	1586	4706	7081	142	10790
SDev	108	18	25	31	28	1	90
%RSD	.6927	.6726	1.599	.6484	.3954	.7042	.8320
#1	15630	2727	1615	4731	7113	143	10860
#2	15550	2763	1575	4715	7061	142	10820
#3	15420	2738	1568	4672	7069	141	10690

Elem	Th	Ti	Tl	U	V	W	Y
Avge	2421	666	373	17640	1006	323	262
SDev	12	5	1	99	5	5	2
%RSD	.4752	.6881	.3098	.5604	.5260	1.560	.5838
#1	2432	671	372	17730	1010	328	263
#2	2409	665	372	17650	1008	318	262
#3	2421	662	374	17540	1000	322	260

Analysis Report Mon 09-11-95 09:04:30 AM page 2

Elem	Zn	Zr
Avge	151800	830
SDev	387	6
%RSD	.2550	.6708
#1	151400	836
#2	152200	829
#3	151900	825

Analysis Report QC Standard Mon 09-11-95 09:48:50 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	.0013	2.535	2.521	19.53	-.0657	.5175	.0067
SDev	.0014	.004	.002	.04	.0100	.0019	.0024
%RSD	111.9	.1482	.0729	.2104	15.16	.3730	35.93
#1	.0028	2.538	2.521	19.53	-.0602	.5178	.0042
#2	.0008	2.535	2.523	19.56	-.0773	.5193	.0069
#3	.0001	2.531	2.519	19.48	-.0598	.5155	.0090
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	.0459	1.006	2.524	.1089	.9909	.0426	.0002
SDev	.0004	.003	.020	.0586	.0019	.0066	.0003
%RSD	.9822	.3038	.8065	53.76	.1925	15.38	167.2
#1	.0462	1.006	2.547	.1057	.9917	.0470	.0005
#2	.0453	1.009	2.508	.0521	.9924	.0457	-.0001
#3	.0461	1.003	2.517	.1691	.9888	.0351	.0001
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	.006
%RSD	.3588	.2790
#1	1.022	2.058
#2	1.018	2.063
#3	1.014	2.051
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Mon 09-11-95 09:53:06 AM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 09:51:47
Comment: (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS NKS 9/11

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4869	25.03	2.584	1.989	.5112	.0938	24.61
SDev	.0021	.15	.017	.013	.0045	.0007	.15
%RSD	.4328	.5930	.6494	.6527	.8813	.7005	.6276
#1	.4848	24.89	2.581	1.981	.5069	.0931	24.52
#2	.4869	25.04	2.570	1.982	.5109	.0938	24.52
#3	.4890	25.18	2.603	2.004	.5159	.0944	24.79
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	25.12	.5055	-.0283	1.040	1.039	1.012	.0003
SDev	.11	.0064	.0064	.005	.004	.008	.0009
%RSD	.4409	1.271	22.75	.4360	.3582	.8064	339.0
#1	25.02	.4983	-.0231	1.038	1.035	1.003	.0013
#2	25.09	.5106	-.0262	1.036	1.040	1.012	.0001
#3	25.24	.5076	-.0355	1.045	1.042	1.020	-.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	.0021	20.64	26.79	.0052	1.956	26.74	.5144
SDev	.0003	.13	.44	.0013	.008	.14	.0022
%RSD	14.83	.6282	1.628	24.17	.3934	.5200	.4348
#1	.0025	20.52	27.02	.0063	1.952	26.62	.5126
#2	.0020	20.62	27.07	.0055	1.965	26.71	.5136
#3	.0019	20.77	26.29	.0039	1.951	26.89	.5169
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	1.039	24.72	.0096	1.071	.0650	2.650	-.0276
SDev	.008	.12	.0064	.006	.0125	.011	.0137
%RSD	.7254	.4734	66.81	.5353	19.22	.4063	49.66
#1	1.031	24.69	.0162	1.065	.0530	2.641	-.0120
#2	1.040	24.85	.0093	1.073	.0779	2.662	-.0328
#3	1.046	24.63	.0033	1.076	.0640	2.647	-.0379
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 Mon 09-11-95 09:53:06 AM page

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	2.512	2.513	19.20	-.0792	.5168	-.0017
SDev	.0078	.018	.007	.06	.0309	.0043	.0063
%RSD	345.6	.7070	.2690	.3128	39.08	.8310	377.9
#1	.0032	2.524	2.509	19.15	-.0451	.5129	.0056
#2	.0012	2.491	2.510	19.20	-.1055	.5161	-.0046
#3	-.0112	2.519	2.521	19.27	-.0870	.5214	-.0059
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	.0494	1.007	2.527	.0230	.9915	.0372	.0003
SDev	.0011	.007	.014	.0821	.0056	.0040	.0003
%RSD	2.138	.6985	.5692	356.7	.5683	10.64	80.16
#1	.0498	1.000	2.518	.1128	.9866	.0416	.0006
#2	.0502	1.006	2.520	.0043	.9902	.0356	.0003
#3	.0482	1.014	2.543	-.0481	.9976	.0342	.0001
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	2.061
SDev	.004	.015
%RSD	.4046	.7389
#1	1.020	2.047
#2	1.027	2.057
#3	1.028	2.077
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Mon 09-11-95 09:56:54 AM page 1

Method: ICP1 Sample Name: OLD MCVB 950905H901 Operator: DRS
Run Time: 09/11/95 09:55:35
Comment: (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Fe, U, W-Low DB 9/11/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	-.2178	-.0056	.0002	-.0002	.0002	-.0116
SDev	.0004	.0078	.0089	.0019	.0002	.0000	.0021
%RSD	13.06	3.559	160.7	1275.	103.6	21.23	17.87
#1	-.0034	-.2216	-.0156	-.0014	-.0005	.0002	-.0129
#2	-.0029	-.2230	-.0029	.0023	-.0002	.0002	-.0092
#3	-.0027	-.2089	.0017	-.0005	.0000	.0001	-.0128
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	.0106	.0004	1.945	.0008	.0011	.0058	1.983
SDev	.0006	.0007	.012	.0012	.0009	.0024	.015
%RSD	5.495	195.7	.6090	152.5	82.62	42.34	.7322
#1	.0103	-.0004	1.945	-.0000	.0004	.0084	1.993
#2	.0103	.0006	1.957	.0002	.0021	.0052	1.990
#3	.0113	.0010	1.933	.0021	.0008	.0036	1.966
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	1.972	.0008	-.2874	1.990	-.0001	.0700	.0001
SDev	.014	.0008	.1520	.009	.0012	.0129	.0001
%RSD	.7181	108.7	52.88	.4759	1252.	18.48	81.58
#1	1.981	.0012	-.4200	1.996	-.0013	.0847	.0000
#2	1.978	.0012	-.3205	1.994	.0012	.0645	.0001
#3	1.955	-.0002	-.1216	1.979	-.0002	.0607	.0001
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	-.0023	-.0222	1.944	.0066	-.0222	.0363	1.848
SDev	.0014	.0228	.010	.0011	.0140	.0067	.021
%RSD	61.18	102.8	.4974	16.09	63.03	18.40	1.111
#1	-.0038	-.0426	1.951	.0079	-.0063	.0287	1.872
#2	-.0022	-.0263	1.949	.0059	-.0275	.0389	1.837
#3	-.0010	.0024	1.933	.0062	-.0328	.0412	1.836
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000

Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.941	-.0132	-.0001	-.1334	1.949	-.0001	Q1.772
SDev	.015	.0087	.0103	.0093	.017	.0001	.003
%RSD	.7875	66.35	14110.	7.007	.8961	86.21	.1659
#1	1.952	-.0103	-.0022	-.1235	1.936	-.0001	Q1.776
#2	1.948	-.0230	-.0092	-.1345	1.941	-.0001	Q1.770
#3	1.924	-.0063	.0111	-.1421	1.969	-.0000	Q1.772
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	5.054	-.0003	-.0156	Q8.347	-.0031	Q1.150	.9699
SDev	.037	.0005	.0029	.066	.0005	.012	.0051
%RSD	.7387	150.3	18.53	.7853	16.88	1.067	.5242
#1	5.056	-.0004	-.0189	Q8.311	-.0036	Q1.161	.9729
#2	5.090	-.0007	-.0135	Q8.306	-.0033	Q1.153	.9729
#3	5.015	.0002	-.0144	Q8.422	-.0025	Q1.137	.9641
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	-.0078
SDev	.0005	.0008
%RSD	27.73	10.76
#1	.0022	-.0069
#2	.0013	-.0086
#3	.0021	-.0080
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Mon 09-11-95 10:00:33 AM page 1

Method: ICP1 Sample Name: NEW MCVB 950911H901 Operator: DRS
Run Time: 09/11/95 09:59:13
Comment: (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

U,W-low N/A for a.c. DRS 9/11

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.2035	.0027	-.0006	.0001	.0002	-.0119
SDev	.0010	.0037	.0027	.0009	.0001	.0000	.0078
%RSD	120.0	1.814	100.2	143.7	93.54	16.46	65.24
#1	.0009	-.2038	.0059	-.0003	.0001	.0002	-.0185
#2	-.0002	-.2070	.0009	.0000	.0002	.0002	-.0033
#3	.0018	-.1997	.0014	-.0017	.0000	.0003	-.0139
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	.0103	.0015	1.955	.0028	.0021	-.0046	1.965
SDev	.0014	.0001	.004	.0008	.0020	.0023	.009
%RSD	13.96	9.546	.2136	27.20	96.10	48.86	.4569
#1	.0118	.0015	1.953	.0037	.0007	-.0020	1.960
#2	.0089	.0016	1.960	.0022	.0012	-.0062	1.975
#3	.0102	.0014	1.953	.0026	.0044	-.0057	1.960
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	1.956	.0018	.1824	1.983	.0014	.0912	.0004
SDev	.010	.0006	.1410	.010	.0011	.0081	.0001
%RSD	.4959	35.37	77.32	.5202	75.54	8.844	28.23
#1	1.951	.0017	.1768	1.977	.0026	.1001	.0004
#2	1.967	.0012	.0442	1.995	.0012	.0890	.0002
#3	1.950	.0024	.3261	1.978	.0005	.0844	.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	.0001	.0144	1.936	.0087	.0067	.0571	1.873
SDev	.0006	.0124	.008	.0010	.0054	.0044	.017
%RSD	440.8	85.98	.3897	11.39	81.53	7.793	.8923
#1	.0005	.0280	1.933	.0098	.0019	.0623	1.854
#2	-.0005	.0116	1.944	.0079	.0126	.0544	1.885
#3	.0004	.0037	1.930	.0086	.0055	.0547	1.880
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000

Analysis Report QC Standard Mon 09-11-95 10:00:33 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	1.950	-.0086	.0182	-.2043	2.024	.0001	1.816
SDev	.007	.0010	.0151	.0040	.018	.0001	.010
%RSD	.3633	11.72	83.11	1.968	.8867	82.89	.5487
#1	1.949	-.0097	.0265	-.2025	2.014	.0001	1.827
#2	1.957	-.0080	.0007	-.2089	2.013	.0000	1.815
#3	1.943	-.0080	.0273	-.2015	2.045	.0001	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	5.064	.0010	-.0026	Q8.459	-.0006	Q.5157	.9683
SDev	.016	.0003	.0069	.068	.0005	.0128	.0043
%RSD	.3190	31.52	262.2	.8011	85.95	2.485	.4487
#1	5.057	.0011	-.0105	Q8.509	-.0002	Q.5141	.9670
#2	5.082	.0007	.0023	Q8.485	-.0012	Q.5292	.9731
#3	5.052	.0013	.0004	Q8.382	-.0005	Q.5038	.9647
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	.0021	-.0078
SDev	.0001	.0004
%RSD	4.735	4.944
#1	.0022	-.0077
#2	.0020	-.0082
#3	.0020	-.0074
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Mon 09-11-95 10:04:46 AM page 1

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/11/95 10:03:27
Comment: (BY-108 WATER LEACH)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-.0001	Q.0968	.0826	Q.1082	.0489	.0220	-.0023
SDev	.0011	.0005	.0004	.0018	.0001	.0001	.0094
%RSD	885.2	.5319	.4931	1.685	.2928	.5986	408.3
#1	Q-.0002	Q.0974	.0822	Q.1062	.0488	.0219	-.0047
#2	Q.0010	Q.0965	.0826	Q.1090	.0488	.0219	.0081
#3	Q-.0012	Q.0965	.0830	Q.1096	.0490	.0221	-.0103
Errors	QC Fail	QC Fail	QC Pass	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	35.66	.0125	-.0041	.0234	Q.0197	Q.0154	-.0016
SDev	.19	.0012	.0056	.0011	.0019	.0001	.0009
%RSD	.5353	9.451	138.5	4.687	9.393	.7519	54.55
#1	35.56	.0131	-.0055	.0239	Q.0218	Q.0154	-.0016
#2	35.53	Q.0111	.0022	.0242	.0187	Q.0155	-.0007
#3	35.88	.0132	-.0088	Q.0222	.0185	Q.0153	-.0025
Errors	QC Pass	QC Pass	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	.0007	Q.1165	Q2.006	.0036	Q.0099	Q9.973	.0350
SDev	.0004	.0002	.077	.0016	.0005	.074	.0004
%RSD	58.68	.1554	3.817	43.90	5.469	.7420	1.113
#1	.0006	Q.1165	Q2.050	.0045	Q.0093	Q9.944	.0347
#2	.0011	Q.1163	Q2.050	.0046	Q.0104	Q9.918	.0348
#3	.0003	Q.1167	Q1.918	.0018	Q.0100	Q10.06	.0354
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	.1032	Q11.19	.0030	.0625	.0201	Q.0316	-.0234
SDev	.0014	.19	.0061	.0019	.0098	.0059	.0183
%RSD	1.376	1.715	202.2	3.077	48.88	18.78	78.03
#1	Q.1019	Q11.18	.0076	.0647	.0307	Q.0297	-.0266
#2	.1047	Q11.00	.0055	.0617	.0184	Q.0382	-.0038
#3	.1028	Q11.38	-.0040	.0611	.0113	Q.0268	-.0399
Errors	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK
Value	.1043	12.19		.0606		.0353	

Analysis Report QC Standard Mon 09-11-95 10:04:46 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	-.0120	-.0199	Q.0080	-.3143	-.0319	.2629	-.0006
SDev	.0065	.0026	.0060	.0074	.0256	.0026	.0044
%RSD	53.73	13.16	75.23	2.341	80.38	.9772	751.4
#1	-.0113	-.0197	Q.0049	-.3119	-.0442	.2623	-.0009
#2	-.0060	-.0174	Q.0150	-.3085	-.0024	Q.2606	.0040
#3	-.0189	-.0227	Q.0042	-.3226	-.0491	.2657	-.0048
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	.0032	.0075	.0050	.0963	Q.0275	.0069	-.0019
SDev	.0016	.0001	.0028	.1184	.0005	.0048	.0005
%RSD	50.05	1.511	55.66	122.9	1.689	70.20	24.50
#1	.0015	.0074	.0035	.1017	Q.0275	.0028	-.0016
#2	.0047	.0076	.0082	.2120	Q.0280	.0056	-.0017
#3	.0035	.0074	.0033	-.0247	Q.0271	.0122	-.0025
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.0844	-.0017
SDev	.0015	.0007
%RSD	1.751	42.72
#1	Q.0852	-.0015
#2	Q.0827	-.0011
#3	Q.0854	-.0025
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Mon 09-11-95 10:08:24 AM page 1

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/11/95 10:07:05
Comment: (BY-108 WATER LEACH)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	1.893	2.011	1.925	.9966	.9653	1.906
SDev	.0003	.005	.015	.008	.0041	.0043	.011
%RSD	27.17	.2827	.7311	.4172	.4108	.4486	.5680
#1	.0015	1.892	2.012	1.922	.9928	.9620	1.906
#2	.0013	1.887	1.996	1.919	.9961	.9637	1.895
#3	.0009	1.898	2.025	1.935	1.001	.9702	1.916

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.933	.9873	.0106	1.048	.5259	2.021	.0009
SDev	.005	.0044	.0007	.004	.0016	.009	.0003
%RSD	.2698	.4444	6.940	.4071	.3131	.4696	31.09
#1	1.932	.9831	.0103	1.045	.5240	2.011	.0012
#2	1.928	.9869	.0114	1.046	.5268	2.024	.0009
#3	1.938	.9919	.0101	1.053	.5269	2.029	.0006

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	2.029	4.913	.0015	1.876	2.107	1.021
SDev	.0002	.007	.097	.0010	.007	.004	.004
%RSD	27.13	.3324	1.977	63.34	.3701	.1874	.3565
#1	.0009	2.026	4.985	.0025	1.869	2.112	1.017
#2	.0006	2.025	4.803	.0015	1.875	2.107	1.020
#3	.0006	2.037	4.952	.0005	1.883	2.104	1.024

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.017	7.581	.0080	2.114	4.859	2.098	.0166
SDev	.009	.050	.0040	.010	.039	.008	.0050
%RSD	.4527	.6535	49.45	.4758	.7948	.3688	29.92
#1	2.008	7.589	.0114	2.105	4.900	2.091	.0222
#2	2.017	7.528	.0091	2.112	4.825	2.096	.0152
#3	2.027	7.626	.0036	2.125	4.850	2.106	.0125

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0078	-.0111	1.958	4.549	.0368	2.022	-.0056
SDev	.0044	.0027	.012	.012	.0213	.010	.0043
%RSD	57.33	24.18	.6355	.2687	57.86	.4969	77.77
#1	.0124	-.0089	1.962	4.540	.0485	2.012	-.0026
#2	.0075	-.0141	1.944	4.545	.0122	2.021	-.0106
#3	.0035	-.0103	1.968	4.563	.0496	2.032	-.0036

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0093	.0003	1.917	.0829	.9575	.0119	.0004
SDev	.0027	.0002	.019	.0088	.0037	.0018	.0002

%RSD	29.60	56.43	.9881	10.64	.3905	14.99	41.27
#1	.0124	.0006	1.905	.0907	.9548	.0108	.0003
#2	.0077	.0002	1.907	.0733	.9560	.0109	.0006
#3	.0076	.0003	1.939	.0846	.9618	.0139	.0003

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.034	-.0005
SDev	.002	.0001
%RSD	.1487	20.12
#1	1.032	-.0006
#2	1.034	-.0004
#3	1.035	-.0006

Analysis Report Mon 09-11-95 10:20:35 AM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 10:19:16
Comment: (BY-108 WATER LEACH)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	.0015	.0051	-.0004	.0001	-.0000	.0055
SDev	.0005	.0043	.0046	.0008	.0003	.0000	.0061
%RSD	308.8	291.8	88.93	187.7	204.7	133.2	109.6
#1	.0004	.0058	.0104	.0005	.0003	.0000	.0104
#2	.0005	.0013	.0026	-.0007	.0002	-.0000	-.0013
#3	-.0004	-.0027	.0024	-.0010	-.0002	-.0001	.0075

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0002	-.0038	-.0013	.0004	-.0008	-.0005
SDev	.0020	.0006	.0081	.0008	.0026	.0016	.0010
%RSD	712.9	249.1	214.1	57.39	600.7	201.2	210.5
#1	.0017	.0008	.0045	-.0005	.0021	.0006	.0003
#2	-.0002	-.0003	-.0042	-.0020	.0017	-.0004	-.0002
#3	-.0023	.0002	-.0117	-.0015	-.0025	-.0025	-.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0002	.0442	.0005	-.0004	.0034	-.0003
SDev	.0003	.0011	.1999	.0023	.0009	.0122	.0001
%RSD	143.3	551.7	452.1	442.4	264.1	356.2	46.36
#1	.0001	.0010	.2542	.0030	-.0000	.0158	-.0003
#2	-.0002	-.0006	.0221	.0000	.0004	.0030	-.0002
#3	-.0005	-.0011	-.1437	-.0015	-.0014	-.0086	-.0005

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0095	-.0006	.0021	-.0000	.0047	.0013
SDev	.0015	.0046	.0035	.0013	.0104	.0030	.0144
%RSD	195.6	48.71	598.5	63.22	29520.	64.15	1096.
#1	.0008	-.0069	.0027	.0018	-.0112	.0072	.0179
#2	-.0021	-.0067	-.0002	.0036	.0095	.0055	-.0057
#3	-.0011	-.0148	-.0042	.0009	.0016	.0014	-.0082

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0021	-.0028	-.0104	-.0182	-.0000	.0046
SDev	.0051	.0069	.0047	.0097	.0386	.0001	.0075
%RSD	301.4	327.1	166.3	93.47	212.5	358.8	162.4
#1	.0075	.0069	-.0035	.0004	.0202	.0001	.0112
#2	-.0018	.0051	.0022	-.0131	-.0176	-.0001	.0063
#3	-.0007	-.0058	-.0071	-.0185	-.0570	-.0001	-.0036

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0001	.0043	-.0394	.0001	-.0040	.0000
SDev	.0037	.0004	.0061	.0834	.0006	.0067	.0004

%RSD	563.3	549.3	144.2	211.5	545.5	166.3	1673.
#1	.0039	.0005	.0031	.0561	.0007	.0028	.0005
#2	.0013	-.0000	.0109	-.0767	.0001	-.0105	-.0004
#3	-.0033	-.0003	-.0012	-.0978	-.0005	-.0044	-.0000

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0009	-.0002
SDev	.0005	.0007
%RSD	60.47	368.0
#1	-.0012	.0006
#2	-.0012	-.0004
#3	-.0003	-.0008

Analysis Report Mon 09-11-95 10:22:53 AM page 1

Method: ICP1 Sample Name: 95-007932-C3 Operator: DRS
Run Time: 09/11/95 10:21:33
Comment: METHOD BLANK (BY-108 WATER LEACH)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	.0286	.0082	.4655	.0013	.0001	.0148
SDev	.0003	.0026	.0095	.0067	.0001	.0000	.0052
%RSD	6.110	9.045	116.0	1.432	9.560	24.54	34.83
#1	.0057	.0311	.0135	.4581	.0014	.0001	.0153
#2	.0051	.0289	-.0028	.4674	.0013	.0001	.0197
#3	.0057	.0259	.0138	.4711	.0012	.0001	.0094

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0314	.0024	.0435	.0037	.0020	.0037	.0059
SDev	.0003	.0005	.0032	.0005	.0031	.0014	.0004
%RSD	1.003	21.70	7.241	13.00	150.3	36.72	7.417
#1	-.0313	.0026	.0468	.0041	.0006	.0030	.0063
#2	-.0312	.0027	.0433	.0032	.0056	.0053	.0055
#3	-.0318	.0018	.0405	.0039	-.0000	.0029	.0057

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0086	1.398	.0119	.0050	.0228	.0003
SDev	.0002	.0007	.144	.0006	.0009	.0050	.0001
%RSD	10.39	7.624	10.27	4.858	18.93	21.85	31.14
#1	.0017	.0091	1.564	.0126	.0046	.0273	.0002
#2	.0014	.0079	1.315	.0117	.0043	.0174	.0004
#3	.0015	.0088	1.315	.0115	.0060	.0237	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.7473	.0391	.0055	.0070	.0293	.1048
SDev	.0006	.0118	.0041	.0003	.0046	.0064	.0122
%RSD	50.12	1.585	10.49	5.704	65.64	21.79	11.65
#1	.0019	.7405	.0434	.0052	.0064	.0349	.1189
#2	.0008	.7610	.0352	.0055	.0027	.0306	.0971
#3	.0010	.7405	.0386	.0058	.0118	.0223	.0985

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0485	.0116	.0080	.0575	.1410	.0006	.0199
SDev	.0037	.0044	.0029	.0073	.0284	.0001	.0028
%RSD	7.571	38.19	36.48	12.74	20.11	11.96	13.92
#1	.0523	.0067	.0061	.0656	.1723	.0007	.0212
#2	.0482	.0127	.0114	.0513	.1170	.0005	.0168
#3	.0450	.0154	.0066	.0557	.1337	.0005	.0219

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0027	.0027	.6104	.0044	.0098	.0025
SDev	.0026	.0004	.0093	.0470	.0004	.0049	.0002

%RSD	350.9	15.72	338.5	7.706	8.709	49.92	6.346
#1	.0008	.0031	-.0015	.5987	.0047	.0042	.0026
#2	.0033	.0026	.0134	.5703	.0040	.0135	.0023
#3	-.0018	.0023	-.0036	.6621	.0045	.0118	.0025

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0008	.0043
SDev	.0002	.0003
%RSD	18.27	6.161
#1	-.0009	.0045
#2	-.0009	.0040
#3	-.0007	.0043

Analysis Report Mon 09-11-95 10:26:07 AM page 1

Method: ICP1 Sample Name: 95-007932-C1 @5 Operator: DRS
Run Time: 09/11/95 10:24:47
Comment: SEG 2 DRAINABLE LIQUID @5X DIL (BY-108 WATER LEACH)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	78.81	.0677	.1609	-.0000	.0006	.0103
SDev	.0007	.30	.0053	.0005	.0002	.0000	.0021
%RSD	868.0	.3744	7.816	.2843	121600.	4.803	20.52
#1	-.0007	79.14	.0656	.1606	-.0000	.0006	.0089
#2	.0002	78.71	.0738	.1608	-.0002	.0006	.0128
#3	.0007	78.58	.0638	.1615	.0002	.0006	.0094

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0342	.0012	-.0009	.0192	.6400	.0063	.0002
SDev	.0002	.0007	.0057	.0011	.0039	.0010	.0004
%RSD	.5132	58.02	633.4	5.856	.6074	15.60	185.6
#1	-.0340	.0018	-.0065	.0179	.6444	.0052	-.0002
#2	-.0341	.0013	-.0012	.0197	.6371	.0064	.0002
#3	-.0344	.0005	.0050	.0200	.6385	.0072	.0006

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.2714	6.173	.0014	.0030	.0072	.0004
SDev	.0001	.0004	.072	.0006	.0002	.0038	.0002
%RSD	1567.	.1666	1.171	47.86	6.959	52.58	46.41
#1	-.0000	.2714	6.223	.0010	.0032	.0052	.0002
#2	-.0001	.2719	6.206	.0009	.0028	.0116	.0006
#3	.0001	.2710	6.090	.0021	.0028	.0049	.0005

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0311	407.0	.0033	.7024	1.056	.1521	-.0007
SDev	.0013	3.0	.0017	.0062	.037	.0031	.0113
%RSD	4.117	.7364	51.50	.8755	3.479	2.028	1564.
#1	.0296	410.2	.0033	.6958	1.083	.1524	-.0019
#2	.0318	406.4	.0016	.7080	1.070	.1550	-.0114
#3	.0318	404.3	.0051	.7034	1.014	.1489	.0111

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	-.0106	-.0040	.1743	.0373	.0004	-.0142
SDev	.0037	.0038	.0064	.0071	.0192	.0000	.0053
%RSD	89.45	35.95	159.2	4.069	51.60	1.370	37.31
#1	.0020	-.0135	.0009	.1824	.0178	.0004	-.0179
#2	.0020	-.0120	-.0113	.1700	.0562	.0004	-.0166
#3	.0084	-.0063	-.0018	.1703	.0378	.0004	-.0081

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	.0002	.1677	-.0155	.0002	.1426	.0000
SDev	.0043	.0001	.0018	.0567	.0003	.0022	.0001

Analysis Report Mon 09-11-95 10:26:07 AM page 2

%RSD	104.0	47.79	1.060	365.7	190.0	1.509	1842.
#1	.0050	.0001	.1657	-.0638	-.0002	.1407	-.0001
#2	.0078	.0002	.1689	-.0297	.0002	.1421	-.0001
#3	-.0006	.0003	.1686	.0470	.0005	.1449	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0118	-.0004
SDev	.0003	.0003
%RSD	2.679	60.93
#1	.0120	-.0005
#2	.0115	-.0007
#3	.0120	-.0002

Analysis Report Mon 09-11-95 10:29:47 AM page 1

Method: ICP1 Sample Name: SST-ICS-0 950908I100 Operator: DRS
Run Time: 09/11/95 10:28:27
Comment: SEG 2 DRAINABLE LIQUID @5X DIL (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0097	98.29	.1017	-.0033	-.0001	.0006	.0553
SDev	.0006	.16	.0045	.0006	.0002	.0000	.0043
%RSD	6.352	.1642	4.432	17.01	225.7	1.634	7.703
#1	-.0091	98.35	.1037	-.0028	-.0000	.0006	.0570
#2	-.0103	98.41	.0966	-.0031	-.0003	.0006	.0505
#3	-.0097	98.11	.1049	-.0039	.0001	.0006	.0585

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0649	.0109	-.1449	.0033	.0359	-.0137	-.0037
SDev	.0001	.0022	.0011	.0008	.0003	.0003	.0005
%RSD	.2180	20.31	.7681	25.64	.7609	2.124	13.73
#1	.0650	.0084	-.1445	.0024	.0356	-.0140	-.0034
#2	.0648	.0117	-.1461	.0041	.0360	-.0135	-.0043
#3	.0650	.0127	-.1440	.0033	.0361	-.0135	-.0034

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	20.25	-.0553	.0058	.0024	.2746	.0013
SDev	.0002	.04	.0690	.0003	.0008	.0043	.0003
%RSD	89.41	.2038	124.9	5.073	34.89	1.555	21.41
#1	.0002	20.26	-.0774	.0061	.0014	.2795	.0015
#2	.0000	20.29	-.1105	.0057	.0028	.2723	.0010
#3	.0004	20.21	.0221	.0055	.0028	.2720	.0015

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	.0199	-.0232	52.70	.0183	.2023	-.4124
SDev	.0015	.0108	.0026	.06	.0116	.0066	.0129
%RSD	24.13	54.28	11.33	.1097	63.47	3.290	3.135
#1	.0046	.0322	-.0203	52.72	.0314	.2087	-.4242
#2	.0075	.0156	-.0255	52.75	.0092	.1954	-.4146
#3	.0069	.0120	-.0237	52.64	.0143	.2026	-.3986

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0433	-.0147	.0188	-.0053	.0292	-.0002	-.0057
SDev	.0034	.0065	.0117	.0072	.0335	.0000	.0041
%RSD	7.837	44.23	62.47	134.2	114.8	4.622	71.61
#1	-.0442	-.0103	.0192	.0019	.0405	-.0002	-.0099
#2	-.0461	-.0221	.0303	-.0124	-.0085	-.0002	-.0053
#3	-.0395	-.0116	.0069	-.0055	.0556	-.0002	-.0018

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7017	.0015	.2233	49.99	.0014	.0457	.0031
SDev	.0156	.0003	.0055	.11	.0003	.0123	.0004

Analysis Report

Mon 09-11-95 10:29:47 AM

%RSD	2.221	17.75	2.448	.2242	21.00	26.96	11.63
#1	.7197	.0017	.2253	49.92	.0014	.0427	.0031
#2	.6930	.0016	.2275	50.12	.0012	.0592	.0027
#3	.6925	.0012	.2171	49.93	.0018	.0351	.0034

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0292	10.14
SDev	.0020	.02
%RSD	6.920	.2363
#1	-.0272	10.15
#2	-.0291	10.16
#3	-.0312	10.12

Analysis Report Mon 09-11-95 10:33:53 AM page 1

Method: ICP1 Sample Name: Na @500 PPM Operator: DRS
Run Time: 09/11/95 10:32:34
Comment: SEG 2 DRAINABLE LIQUID @5X DIL (BY-108 WATER LEACH)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	.0376	-.0061	.0826	-.0006	-.0001	-.0106
SDev	.0005	.0021	.0072	.0009	.0002	.0000	.0020
%RSD	17.83	5.529	117.4	1.121	30.50	15.76	19.01
#1	-.0022	.0388	.0021	.0835	-.0004	-.0001	-.0109
#2	-.0030	.0352	-.0113	.0827	-.0008	-.0001	-.0085
#3	-.0031	.0388	-.0091	.0817	-.0006	-.0001	-.0125

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2578	-.0003	-.0194	-.0027	.0004	-.0029	-.0026
SDev	.0005	.0011	.0048	.0015	.0009	.0020	.0009
%RSD	.1976	411.0	24.95	56.58	246.2	67.53	33.63
#1	.2584	-.0011	-.0139	-.0009	-.0003	-.0007	-.0017
#2	.2576	-.0008	-.0214	-.0037	.0014	-.0043	-.0026
#3	.2575	.0010	-.0229	-.0034	.0000	-.0038	-.0034

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0030	-.5968	-.0039	-.0013	-.0050	-.0002
SDev	.0001	.0006	.1863	.0013	.0005	.0052	.0002
%RSD	11.47	19.34	31.22	33.99	40.99	103.8	71.51
#1	-.0009	.0037	-.3924	-.0024	-.0018	.0009	-.0000
#2	-.0010	.0026	-.6410	-.0047	-.0007	-.0089	-.0003
#3	-.0011	.0028	-.7571	-.0047	-.0014	-.0071	-.0004

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	491.9	-.0132	.0042	-.0041	-.0132	-.0419
SDev	.0004	6.6	.0060	.0009	.0202	.0099	.0110
%RSD	20.69	1.341	46.01	22.63	493.3	74.74	26.23
#1	-.0019	484.8	-.0071	.0036	.0166	-.0033	-.0317
#2	-.0015	492.9	-.0192	.0053	-.0051	-.0132	-.0405
#3	-.0023	497.9	-.0132	.0037	-.0238	-.0231	-.0536

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0178	.0028	.0033	1.099	-.0648	.0038	-.0119
SDev	.0078	.0020	.0089	.007	.0221	.0001	.0007
%RSD	43.56	71.44	267.5	.6692	34.11	1.558	5.551
#1	-.0090	.0014	.0122	1.094	-.0405	.0038	-.0127
#2	-.0210	.0051	-.0057	1.096	-.0702	.0037	-.0114
#3	-.0234	.0019	.0036	1.108	-.0836	.0037	-.0116

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0045	-.0010	-.0034	-.2615	-.0019	-.0104	-.0010
SDev	.0018	.0002	.0008	.1482	.0005	.0021	.0004

Analysis Report

Mon 09-11-95 10:33:53 AM

%RSD	40.17	21.44	22.63	56.66	25.76	20.73	39.64
#1	-.0052	-.0008	-.0026	-.1212	-.0014	-.0102	-.0006
#2	-.0025	-.0012	-.0041	-.2468	-.0023	-.0083	-.0009
#3	-.0059	-.0011	-.0036	-.4165	-.0022	-.0126	-.0014

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0039	.0025
SDev	.0006	.0009
%RSD	14.23	38.26
#1	.0033	.0036
#2	.0039	.0018
#3	.0044	.0021

Analysis Report Mon 09-11-95 10:37:41 AM page 1

Method: ICP1 Sample Name: 95-007932-C1 Operator: DRS
Run Time: 09/11/95 10:36:22
Comment: SEG 2 DRAINABLE LIQUID (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0054	391.5	.3330	.7797	.0008	.0033	.0485
SDev	.0002	2.3	.0070	.0050	.0000	.0000	.0057
%RSD	3.875	.5795	2.108	.6437	.1178	.1233	11.66
#1	.0053	393.4	.3295	.7854	.0008	.0033	.0548
#2	.0052	392.1	.3284	.7776	.0008	.0033	.0469
#3	.0056	389.0	.3410	.7761	.0008	.0033	.0439

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0215	.0032	.0251	.0967	3.124	.0429	.0042
SDev	.0006	.0019	.0031	.0009	.026	.0012	.0007
%RSD	2.936	57.81	12.20	.8929	.8436	2.899	17.13
#1	-.0218	.0035	.0266	.0971	3.137	.0437	.0041
#2	-.0218	.0049	.0216	.0957	3.141	.0414	.0035
#3	-.0207	.0012	.0272	.0972	3.093	.0435	.0049

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	1.308	29.40	.0095	.0129	.0123	.0032
SDev	.0002	.008	.14	.0013	.0013	.0053	.0001
%RSD	10.78	.5901	.4884	13.65	10.42	43.06	4.117
#1	.0015	1.315	29.32	.0103	.0114	.0152	.0031
#2	.0013	1.310	29.32	.0080	.0135	.0062	.0031
#3	.0016	1.300	29.57	.0101	.0138	.0155	.0033

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1618	1834.	.0251	3.430	5.450	.4806	.0799
SDev	.0033	5.	.0020	.018	.072	.0276	.0069
%RSD	2.022	.2507	8.089	.5150	1.321	5.731	8.652
#1	.1642	1838.	.0244	3.447	5.502	.4552	.0726
#2	.1632	1836.	.0235	3.431	5.479	.4768	.0809
#3	.1581	1829.	.0274	3.411	5.367	.5099	.0863

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0514	-.0667	-.0011	.9492	.2695	.0011	-.0429
SDev	.0036	.0015	.0100	.0062	.0157	.0001	.0058
%RSD	6.991	2.296	919.3	.6553	5.840	12.19	13.43
#1	.0481	-.0672	-.0007	.9527	.2557	.0010	-.0363
#2	.0510	-.0650	.0087	.9529	.2662	.0010	-.0472
#3	.0552	-.0680	-.0113	.9420	.2866	.0013	-.0451

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.0016	.8274	.3422	.0032	.7400	.0015
SDev	.0016	.0002	.0042	.0323	.0003	.0156	.0003

%RSD	52.14	9.957	.5055	9.433	11.10	2.110	19.10
#1	.0051	.0018	.8301	.3178	.0034	.7441	.0015
#2	.0023	.0015	.8296	.3300	.0028	.7532	.0012
#3	.0021	.0015	.8226	.3788	.0033	.7228	.0018

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0499	.0035
SDev	.0033	.0004
%RSD	6.686	12.46
#1	.0468	.0037
#2	.0495	.0030
#3	.0534	.0037

Analysis Report Mon 09-11-95 10:41:58 AM page 1

Method: ICP1 Sample Name: 95-007932-C2 @5 Operator: DRS
Run Time: 09/11/95 10:40:39
Comment: SEG 2 DRAINABLE DUP @5X DIL (BY-108 WATER LEACH)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	75.12	.0675	.1132	.0001	.0006	.0152
SDev	.0005	.27	.0066	.0017	.0000	.0000	.0057
%RSD	289.4	.3536	9.824	1.506	2.800	3.394	37.50
#1	.0000	74.89	.0746	.1121	.0001	.0006	.0178
#2	-.0002	75.41	.0615	.1151	.0001	.0006	.0191
#3	.0007	75.07	.0664	.1122	.0001	.0006	.0087

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0317	.0005	-.0067	.0179	.6078	.0063	-.0002
SDev	.0002	.0009	.0080	.0017	.0076	.0001	.0004
%RSD	.7326	192.7	119.3	9.474	1.246	1.292	226.7
#1	-.0314	.0011	-.0045	.0175	.6016	.0064	-.0001
#2	-.0317	-.0006	-.0157	.0164	.6162	.0063	-.0006
#3	-.0319	.0009	-.0001	.0197	.6055	.0062	.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.2586	5.880	.0008	.0019	-.0015	.0004
SDev	.0001	.0007	.010	.0011	.0010	.0034	.0001
%RSD	264.0	.2566	.1628	138.6	53.94	224.8	23.91
#1	-.0001	.2582	5.874	.0006	.0025	-.0044	.0005
#2	-.0002	.2584	5.874	-.0002	.0007	.0023	.0005
#3	.0001	.2594	5.891	.0021	.0025	-.0025	.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0284	389.5	.0010	.6766	1.012	.1549	-.0042
SDev	.0013	2.1	.0018	.0053	.023	.0050	.0085
%RSD	4.736	.5468	179.3	.7820	2.234	3.205	202.6
#1	.0270	388.1	-.0003	.6780	1.002	.1601	-.0025
#2	.0284	392.0	.0030	.6810	.9956	.1544	-.0134
#3	.0297	388.5	.0003	.6707	1.037	.1502	.0033

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	-.0149	-.0017	.1008	.0183	.0004	-.0173
SDev	.0053	.0032	.0074	.0044	.0192	.0000	.0022
%RSD	121.1	21.50	430.8	4.324	104.9	2.030	12.99
#1	.0053	-.0113	-.0101	.1041	.0171	.0004	-.0150
#2	-.0013	-.0160	.0041	.0959	.0380	.0004	-.0174
#3	.0091	-.0174	.0008	.1025	-.0003	.0004	-.0195

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	-.0000	.1585	-.0164	-.0000	.1255	-.0002
SDev	.0011	.0002	.0021	.0914	.0001	.0082	.0004

Analysis Report Mon 09-11-95 10:41:58 AM page :

%RSD	51.02	2020.	1.338	557.5	615.8	6.541	219.7
#1	.0017	.0001	.1561	.0056	-.0001	.1285	-.0001
#2	.0033	-.0002	.1595	-.1168	.0001	.1317	-.0006
#3	.0013	.0002	.1599	.0620	-.0000	.1162	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0116	-.0002
SDev	.0007	.0007
%RSD	6.326	433.6
#1	.0111	-.0001
#2	.0112	-.0009
#3	.0124	.0005

Analysis Report Mon 09-11-95 10:45:50 AM page 1

Method: ICP1 Sample Name: 95-007931-C2 Operator: DRS
Run Time: 09/11/95 10:44:30
Comment: SEG 2 DRAINABLE LIQUID DUP (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0072	372.9	.3493	.5523	.0012	.0032	.0508
SDev	.0005	1.6	.0169	.0048	.0002	.0001	.0059
%RSD	7.124	.4332	4.852	.8708	15.43	1.737	11.58
#1	.0073	374.1	.3688	.5546	.0012	.0032	.0523
#2	.0076	371.0	.3380	.5467	.0014	.0033	.0558
#3	.0066	373.4	.3410	.5555	.0010	.0032	.0443

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0179	.0026	.0379	.0940	2.997	.0433	.0053
SDev	.0011	.0010	.0040	.0007	.023	.0007	.0003
%RSD	5.983	37.86	10.52	.7598	.7544	1.670	6.278
#1	-.0190	.0027	.0392	.0949	3.020	.0441	.0056
#2	-.0178	.0036	.0410	.0936	2.975	.0426	.0054
#3	-.0168	.0016	.0334	.0936	2.997	.0432	.0049

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	1.256	28.12	.0121	.0134	.0243	.0035
SDev	.0002	.004	.18	.0014	.0002	.0029	.0002
%RSD	9.716	.3447	.6468	11.59	1.527	12.10	6.447
#1	.0021	1.260	28.06	.0131	.0135	.0274	.0035
#2	.0021	1.252	28.32	.0127	.0135	.0240	.0037
#3	.0018	1.257	27.97	.0105	.0131	.0215	.0033

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1539	1750.	.0336	3.299	5.253	.5189	.1085
SDev	.0013	5.	.0047	.010	.054	.0200	.0069
%RSD	.8186	.2725	13.93	.3118	1.021	3.857	6.411
#1	.1553	1753.	.0389	3.308	5.310	.5018	.1051
#2	.1528	1745.	.0321	3.288	5.204	.5141	.1165
#3	.1537	1753.	.0299	3.300	5.244	.5409	.1039

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0632	-.0452	.0112	.7727	.2890	.0013	-.0389
SDev	.0014	.0071	.0253	.0038	.0157	.0000	.0004
%RSD	2.152	15.72	226.3	.4975	5.414	.1239	1.030
#1	.0617	-.0397	.0089	.7771	.2879	.0013	-.0390
#2	.0644	-.0532	.0375	.7710	.3052	.0013	-.0384
#3	.0635	-.0427	-.0129	.7699	.2740	.0013	-.0392

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0021	.8029	.5229	.0040	.7163	.0019
SDev	.0047	.0003	.0136	.0205	.0004	.0118	.0004

%RSD	953.1	16.18	1.698	3.930	9.186	1.642	18.79
#1	.0017	.0022	.8180	.5022	.0040	.7088	.0023
#2	.0027	.0024	.7915	.5433	.0044	.7299	.0017
#3	-.0059	.0017	.7993	.5231	.0037	.7103	.0017

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0481	.0047
SDev	.0032	.0001
%RSD	6.628	.9955
#1	.0444	.0048
#2	.0502	.0047
#3	.0497	.0047

Analysis Report QC Standard Mon 09-11-95 10:50:23 AM page 1

Method: ICP1 Sample Name: MCVA 950728I901 Operator: DRS
Run Time: 09/11/95 10:49:04
Comment: (BY-106 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS BLS 9/11/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4891	25.11	2.631	2.002	.5165	.0946	24.75
SDev	.0022	.12	.023	.018	.0034	.0006	.08
%RSD	.4454	.4822	.8913	.8741	.6590	.6649	.3434
#1	.4914	25.23	2.644	2.021	.5200	.0952	24.83
#2	.4885	25.12	2.645	1.999	.5164	.0947	24.75
#3	.4872	24.99	2.604	1.987	.5132	.0940	24.66
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	.5079	-.0475	1.047	1.044	1.016	-.0013
SDev	.13	.0025	.0018	.004	.011	.001	.0003
%RSD	.4984	.4884	3.780	.3661	1.094	.0775	23.24
#1	25.35	.5105	-.0489	1.050	1.055	1.016	-.0015
#2	25.21	.5055	-.0482	1.048	1.044	1.016	-.0015
#3	25.10	.5077	-.0455	1.043	1.032	1.015	-.0010
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	20.80	25.08	.0020	1.916	26.89	.5179
SDev	.0001	.12	.27	.0010	.004	.14	.0029
%RSD	5.034	.5869	1.058	48.66	.2240	.5244	.5523
#1	.0014	20.92	24.81	.0010	1.916	27.02	.5212
#2	.0014	20.81	25.09	.0020	1.911	26.89	.5170
#3	.0015	20.68	25.34	.0029	1.920	26.74	.5157
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	24.19	.0001	1.080	.0585	2.642	-.0515
SDev	.003	.03	.0033	.005	.0241	.003	.0070
%RSD	.2645	.1228	3699.	.4602	41.13	.1160	13.63
#1	1.048	24.18	-.0037	1.083	.0612	2.646	-.0596
#2	1.049	24.17	.0022	1.083	.0811	2.640	-.0481
#3	1.044	24.22	.0017	1.074	.0332	2.641	-.0469
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 Mon 09-11-95 10:50:23 AM 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	-.0119	2.538	2.542	19.08	-.1359	.5229	-.0022
SDev	.0061	.013	.011	.09	.0132	.0032	.0079
%RSD	50.91	.5016	.4205	.4555	9.714	.6084	356.1
#1	-.0179	2.552	2.553	19.18	-.1502	.5262	.0052
#2	-.0121	2.529	2.542	19.07	-.1242	.5227	-.0105
#3	-.0058	2.532	2.532	19.00	-.1332	.5198	-.0013
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	.0441	1.016	2.532	-.1206	.9987	.0237	-.0003
SDev	.0080	.006	.014	.0791	.0061	.0031	.0003
%RSD	18.11	.6256	.5558	65.57	.6153	12.98	109.0
#1	.0428	1.023	2.548	-.1938	1.005	.0268	-.0005
#2	.0526	1.016	2.521	-.1313	.9984	.0237	-.0005
#3	.0368	1.010	2.528	-.0367	.9927	.0206	.0001
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	1.035	2.084
SDev	.006	.013
%RSD	.5373	.6370
#1	1.037	2.098
#2	1.039	2.083
#3	1.028	2.072
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Mon 09-11-95 10:54:08 AM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 10:52:48
Comment: SEG 2 DRAINABLE LIQUID DUP (BY-108 WATER LEACH)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	-.0013	.0032	-.0006	.0000	-.0000	.0012
SDev	.0012	.0044	.0074	.0013	.0002	.0000	.0063
%RSD	105.2	337.0	229.3	220.8	421.1	179.0	529.4
#1	-.0017	-.0037	.0045	-.0003	-.0002	-.0001	-.0010
#2	-.0020	-.0040	-.0047	-.0020	.0001	-.0000	-.0037
#3	.0002	.0038	.0099	.0005	.0002	.0000	.0083

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0014	-.0104	-.0016	.0015	-.0006	-.0009
SDev	.0014	.0006	.0074	.0007	.0018	.0008	.0012
%RSD	95.67	42.11	71.20	42.30	116.6	135.1	124.5
#1	.0019	.0013	-.0105	-.0024	-.0005	-.0014	-.0021
#2	-.0001	.0008	-.0177	-.0015	.0022	.0002	-.0010
#3	.0026	.0020	-.0029	-.0010	.0029	-.0006	.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0019	-.1989	-.0017	-.0001	.0030	-.0003
SDev	.0005	.0009	.1922	.0023	.0010	.0056	.0003
%RSD	76.75	49.56	96.59	134.4	876.3	185.7	77.19
#1	-.0008	.0012	-.3758	-.0036	-.0007	-.0020	-.0003
#2	-.0009	.0016	-.2266	-.0024	.0011	.0019	-.0006
#3	-.0001	.0030	.0055	.0009	-.0007	.0091	-.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0053	-.0023	-.0007	-.0032	-.0046	-.0162
SDev	.0003	.0154	.0043	.0007	.0204	.0011	.0121
%RSD	117.8	291.4	186.3	94.40	631.3	23.56	74.71
#1	-.0000	-.0229	-.0049	-.0000	-.0231	-.0046	-.0224
#2	.0003	.0057	-.0047	-.0014	-.0041	-.0056	-.0241
#3	.0005	.0014	.0027	-.0008	.0176	-.0035	-.0023

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0044	-.0026	.0007	-.0701	-.0265	.0000	-.0041
SDev	.0062	.0080	.0034	.0068	.0112	.0001	.0069
%RSD	140.7	306.2	522.2	9.681	42.15	1279.	168.6
#1	-.0088	-.0082	-.0033	-.0736	-.0361	-.0001	-.0116
#2	-.0070	-.0062	.0023	-.0744	-.0292	.0000	-.0024
#3	.0027	.0065	.0030	-.0623	-.0142	.0001	.0018

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	-.0004	-.0014	-.1009	-.0003	-.0023	-.0004
SDev	.0027	.0003	.0078	.0961	.0010	.0020	.0002

Analysis Report

Mon 09-11-95 10:54:08 AM

%RSD	120.8	67.82	568.9	95.24	304.0	89.06	38.29
#1	.0009	-.0006	-.0030	-.1855	-.0008	-.0011	-.0003
#2	-.0036	-.0005	.0071	-.1207	-.0009	-.0011	-.0006
#3	-.0039	-.0001	-.0083	.0036	.0008	-.0046	-.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0004	-.0008
SDev	.0004	.0009
%RSD	94.23	119.6
#1	-.0008	-.0014
#2	-.0003	-.0012
#3	-.0001	.0003

Analysis Report Mon 09-11-95 10:56:23 AM page 1

Method: ICP1 Sample Name: 95-007935-C1 @5 Operator: DRS
Run Time: 09/11/95 10:55:03
Comment: SEG 3 DRAINABLE LIQUID @5X DIL (BY-108 WATER LEACH)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	83.24	.0787	.1070	-.0000	.0006	.0036
SDev	.0004	.25	.0122	.0014	.0001	.0000	.0066
%RSD	11.36	.2988	15.54	1.347	326.2	3.974	180.9
#1	-.0037	83.21	.0668	.1086	-.0000	.0006	.0093
#2	-.0032	83.01	.0780	.1062	.0001	.0006	-.0035
#3	-.0040	83.51	.0913	.1061	-.0002	.0006	.0051

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0274	.0006	-.0101	.0173	.6657	.0212	-.0015
SDev	.0006	.0009	.0049	.0017	.0070	.0014	.0004
%RSD	2.275	142.6	48.97	9.920	1.047	6.370	28.97
#1	-.0279	.0009	-.0139	.0160	.6594	.0214	-.0019
#2	-.0267	-.0004	-.0045	.0193	.6646	.0225	-.0011
#3	-.0275	.0013	-.0119	.0166	.6732	.0198	-.0014

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.2209	5.963	-.0022	.0000	.0038	.0005
SDev	.0002	.0002	.067	.0015	.0003	.0054	.0002
%RSD	41.43	.0962	1.124	64.55	8444.	140.4	43.20
#1	-.0005	.2207	6.024	-.0030	-.0003	.0017	.0004
#2	-.0004	.2211	5.974	-.0006	.0004	-.0002	.0008
#3	-.0008	.2210	5.891	-.0032	.0000	.0099	.0004

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0323	395.7	-.0096	.5381	1.044	.1544	-.0212
SDev	.0012	2.9	.0034	.0024	.014	.0085	.0127
%RSD	3.771	.7236	35.41	.4514	1.296	5.527	59.79
#1	.0320	397.6	-.0105	.5408	1.050	.1530	-.0165
#2	.0337	392.4	-.0059	.5371	1.053	.1635	-.0115
#3	.0313	397.1	-.0126	.5362	1.028	.1467	-.0355

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0063	-.0190	-.0036	.1680	-.0005	.0042	-.0241
SDev	.0027	.0057	.0039	.0052	.0060	.0000	.0007
%RSD	42.28	29.95	107.6	3.080	1159.	.1489	2.893
#1	-.0088	-.0150	-.0077	.1620	.0022	.0042	-.0249
#2	-.0035	-.0165	-.0033	.1708	.0036	.0042	-.0240
#3	-.0065	-.0255	.0001	.1711	-.0074	.0042	-.0235

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	-.0005	.1592	-.1432	-.0010	1.668	-.0004
SDev	.0028	.0003	.0016	.0713	.0005	.014	.0004

Analysis Report Mon 09-11-95 10:56:23 AM page 2

%RSD	171.1	68.84	1.018	49.83	53.76	.8689	102.9
#1	-.0032	-.0005	.1610	-.1526	-.0011	1.654	-.0003
#2	.0016	-.0002	.1585	-.0676	-.0004	1.666	-.0001
#3	-.0032	-.0008	.1580	-.2093	-.0015	1.683	-.0009

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0247	-.0012
SDev	.0008	.0002
%RSD	3.206	15.20
#1	.0248	-.0013
#2	.0239	-.0010
#3	.0255	-.0013

Analysis Report Mon 09-11-95 11:00:09 AM page 1

Method: ICP1 Sample Name: 95-007935-C1 Operator: DRS
Run Time: 09/11/95 10:58:49
Comment: SEG 3 DRAINABLE LIQUID (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0070	402.3	.3790	.5162	.0014	.0032	.0497
SDev	.0012	4.5	.0202	.0040	.0002	.0001	.0120
%RSD	16.66	1.128	5.320	.7746	17.17	2.771	24.04
#1	-.0064	400.8	.3857	.5143	.0016	.0031	.0631
#2	-.0062	398.7	.3950	.5135	.0014	.0032	.0458
#3	-.0083	407.4	.3564	.5208	.0012	.0033	.0402

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0144	.0009	.0362	.0932	3.178	.1074	.0048
SDev	.0013	.0024	.0070	.0008	.030	.0005	.0010
%RSD	9.273	258.5	19.42	.8730	.9541	.4441	21.39
#1	-.0151	-.0010	.0411	.0925	3.174	.1076	.0050
#2	-.0129	.0002	.0394	.0941	3.150	.1077	.0058
#3	-.0153	.0036	.0282	.0930	3.211	.1068	.0037

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	1.015	29.59	.0112	.0112	.0197	.0033
SDev	.0003	.012	.10	.0027	.0024	.0092	.0001
%RSD	18.86	1.204	.3424	24.16	21.02	46.86	4.527
#1	.0020	1.007	29.70	.0125	.0124	.0189	.0034
#2	.0021	1.009	29.50	.0129	.0128	.0293	.0033
#3	.0014	1.029	29.57	.0081	.0085	.0109	.0031

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1607	1744.	.0328	2.557	5.330	.5450	.1019
SDev	.0018	18.	.0051	.030	.056	.0192	.0212
%RSD	1.146	1.013	15.61	1.160	1.055	3.516	20.80
#1	.1586	1739.	.0346	2.547	5.270	.5242	.1098
#2	.1621	1729.	.0369	2.533	5.338	.5489	.1181
#3	.1613	1763.	.0271	2.590	5.382	.5620	.0779

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0623	-.0626	-.0088	1.054	.2417	.0069	-.0422
SDev	.0084	.0134	.0144	.005	.0187	.0009	.0101
%RSD	13.48	21.40	164.1	.4766	7.720	12.83	23.96
#1	.0643	-.0612	-.0095	1.053	.2632	.0066	-.0355
#2	.0696	-.0500	.0060	1.050	.2322	.0063	-.0372
#3	.0531	-.0767	-.0228	1.060	.2296	.0079	-.0538

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0022	.8150	.5572	.0040	8.401	.0021
SDev	.0020	.0006	.0080	.1092	.0007	.059	.0003

%RSD	43.13	27.27	.9833	19.60	17.11	.7083	13.65
#1	.0026	.0024	.8064	.6382	.0039	8.356	.0022
#2	.0044	.0028	.8222	.6003	.0047	8.378	.0023
#3	.0066	.0016	.8164	.4330	.0033	8.468	.0018

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0970	.0037
SDev	.0050	.0012
%RSD	5.169	31.54
#1	.0918	.0039
#2	.0975	.0047
#3	.1018	.0024

Analysis Report Mon 09-11-95 11:04:54 AM page 1

Method: ICP1 Sample Name: 95-007935-C2 @5 Operator: DRS
Run Time: 09/11/95 11:03:35
Comment: SEG 3 DRAINABLE DUP @5X DIL (BY-108 WATER LEACH)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	76.82	.0665	.0859	.0005	.0006	.0133
SDev	.0005	.10	.0068	.0020	.0001	.0000	.0052
%RSD	33.02	.1355	10.24	2.279	28.74	1.064	39.51
#1	-.0019	76.74	.0725	.0843	.0006	.0006	.0177
#2	-.0010	76.94	.0679	.0852	.0006	.0006	.0075
#3	-.0013	76.80	.0591	.0881	.0003	.0006	.0146

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0309	.0019	.0010	.0173	.6138	.0202	.0004
SDev	.0004	.0007	.0010	.0010	.0051	.0001	.0001
%RSD	1.370	38.09	103.3	5.884	.8260	.5818	33.57
#1	-.0312	.0017	-.0002	.0168	.6186	.0203	.0003
#2	-.0311	.0013	.0014	.0184	.6142	.0202	.0006
#3	-.0304	.0027	.0017	.0166	.6085	.0200	.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.2063	5.930	.0026	.0024	.0030	.0006
SDev	.0002	.0005	.048	.0011	.0002	.0100	.0001
%RSD	65.40	.2575	.8071	40.87	8.687	337.5	16.92
#1	.0002	.2067	5.957	.0036	.0021	.0136	.0005
#2	.0004	.2066	5.874	.0026	.0025	.0017	.0005
#3	.0001	.2057	5.957	.0015	.0025	-.0064	.0007

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0279	365.8	.0067	.5065	1.013	.1751	.0194
SDev	.0010	.8	.0022	.0035	.037	.0130	.0031
%RSD	3.656	.2245	33.45	.6870	3.700	7.432	16.14
#1	.0267	366.5	.0093	.5104	1.036	.1862	.0220
#2	.0286	364.9	.0051	.5051	1.033	.1784	.0203
#3	.0284	366.0	.0059	.5038	.9698	.1608	.0159

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0108	-.0152	-.0058	.1102	.0370	.0036	-.0127
SDev	.0004	.0039	.0134	.0012	.0202	.0001	.0079
%RSD	3.465	25.75	230.1	1.099	54.45	1.785	61.83
#1	.0113	-.0167	-.0069	.1089	.0599	.0037	-.0037
#2	.0106	-.0107	.0081	.1109	.0216	.0037	-.0166
#3	.0107	-.0181	-.0187	.1110	.0297	.0036	-.0179

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0003	.1525	.0730	.0009	1.545	.0005
SDev	.0019	.0001	.0094	.0517	.0004	.024	.0003

Analysis Report Mon 09-11-95 11:04:54 AM page :

%RSD	784.7	33.64	6.142	70.84	47.58	1.554	60.23
#1	-.0007	.0003	.1437	.0951	.0013	1.518	.0005
#2	.0024	.0004	.1516	.1100	.0009	1.563	.0008
#3	-.0010	.0002	.1623	.0139	.0004	1.554	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0209	.0005
SDev	.0010	.0002
%RSD	4.624	33.10
#1	.0201	.0006
#2	.0206	.0003
#3	.0220	.0006

Analysis Report Mon 09-11-95 11:09:04 AM page 1

Method: ICP1 Sample Name: 95-007935-C2 Operator: DRS
Run Time: 09/11/95 11:07:44
Comment: SEG 3 DRAINABLE LIQUID DUP (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0067	383.2	.3297	.4323	.0014	.0031	.0502
SDev	.0017	4.7	.0104	.0020	.0004	.0000	.0052
%RSD	24.91	1.215	3.145	.4540	29.31	1.274	10.39
#1	-.0067	383.0	.3277	.4334	.0014	.0031	.0533
#2	-.0050	378.7	.3409	.4301	.0019	.0032	.0531
#3	-.0084	388.0	.3204	.4335	.0010	.0031	.0442

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0114	.0016	.0314	.0880	3.004	.1030	.0044
SDev	.0016	.0004	.0126	.0010	.023	.0004	.0014
%RSD	14.40	25.53	40.09	1.169	.7572	.3668	31.56
#1	-.0110	.0020	.0358	.0878	2.994	.1026	.0045
#2	-.0100	.0014	.0413	.0891	2.987	.1034	.0058
#3	-.0132	.0013	.0172	.0871	3.029	.1029	.0030

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.9854	28.26	.0109	.0102	.0200	.0034
SDev	.0006	.0060	.31	.0028	.0004	.0125	.0003
%RSD	36.87	.6102	1.101	25.34	4.033	62.49	9.685
#1	.0016	.9858	28.32	.0105	.0106	.0109	.0033
#2	.0023	.9792	27.92	.0139	.0099	.0343	.0038
#3	.0011	.9912	28.54	.0084	.0099	.0149	.0032

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1509	1670.	.0319	2.442	5.016	.5647	.0864
SDev	.0008	27.	.0100	.006	.017	.0296	.0245
%RSD	.5587	1.615	31.26	.2279	.3346	5.251	28.38
#1	.1516	1671.	.0302	2.441	5.002	.5309	.0785
#2	.1512	1643.	.0426	2.437	5.012	.5864	.1139
#3	.1500	1696.	.0229	2.448	5.035	.5768	.0668

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0562	-.0759	-.0185	.8972	.2207	.0118	-.0481
SDev	.0136	.0215	.0242	.0026	.0521	.0007	.0119
%RSD	24.23	28.26	131.3	.2915	23.62	5.671	24.68
#1	.0584	-.0620	-.0337	.8944	.2100	.0119	-.0507
#2	.0685	-.0652	.0095	.8996	.2773	.0112	-.0352
#3	.0416	-.1006	-.0312	.8976	.1747	.0125	-.0585

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	.0027	.7780	.5633	.0038	7.969	.0017
SDev	.0087	.0006	.0087	.1597	.0013	.089	.0008

Analysis Report Mon 09-11-95 11:09:04 AM page 2

%RSD	167.0	20.58	1.115	28.34	33.44	1.118	48.40
#1	.0144	.0027	.7704	.5152	.0037	7.897	.0017
#2	.0039	.0032	.7762	.7415	.0051	7.941	.0025
#3	-.0028	.0021	.7874	.4332	.0026	8.069	.0009

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0886	.0032
SDev	.0051	.0013
%RSD	5.775	39.16
#1	.0834	.0026
#2	.0888	.0047
#3	.0937	.0024

Analysis Report QC Standard Mon 09-11-95 11:13:32 AM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 11:12:13
Comment: (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4874	25.17	2.620	2.001	.5175	.0945	24.78
SDev	.0013	.08	.041	.002	.0019	.0003	.04
%RSD	.2632	.3037	1.567	.1083	.3641	.3380	.1542
#1	.4860	25.09	2.576	2.002	.5156	.0942	24.74
#2	.4882	25.19	2.627	2.002	.5175	.0946	24.81
#3	.4882	25.24	2.657	1.998	.5194	.0948	24.79
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	25.16	.5056	-.0550	1.045	1.043	1.015	-.0022
SDev	.07	.0067	.0023	.001	.005	.005	.0002
%RSD	.2653	1.328	4.227	.1045	.4340	.5104	7.493
#1	25.09	.5058	-.0526	1.044	1.038	1.009	-.0024
#2	25.18	.4988	-.0551	1.045	1.047	1.015	-.0021
#3	25.22	.5122	-.0572	1.045	1.044	1.020	-.0022
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	20.79	25.48	.0005	1.946	26.88	.5172
SDev	.0001	.05	.07	.0007	.006	.05	.0017
%RSD	10.02	.2567	.2630	141.0	.2893	.1842	.3220
#1	.0011	20.74	25.49	-.0001	1.943	26.82	.5157
#2	.0009	20.79	25.40	.0012	1.943	26.89	.5171
#3	.0009	20.85	25.54	.0003	1.953	26.92	.5190
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	24.49	-.0029	1.076	.0384	2.640	-.0651
SDev	.003	.03	.0017	.005	.0042	.003	.0081
%RSD	.3059	.1414	59.17	.4620	10.95	.1248	12.40
#1	1.043	24.45	-.0047	1.070	.0416	2.643	-.0571
#2	1.047	24.49	-.0025	1.076	.0399	2.640	-.0651
#3	1.049	24.52	-.0014	1.080	.0336	2.637	-.0732
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 Mon 09-11-95 11:13:32 AM page :

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0210	2.539	2.519	19.10	-.1350	.5246	-.0075
SDev	.0037	.011	.019	.05	.0068	.0014	.0037
%RSD	17.67	.4409	.7514	.2790	5.034	.2668	48.94
#1	-.0227	2.527	2.499	19.05	-.1411	.5234	-.0109
#2	-.0167	2.548	2.522	19.10	-.1363	.5244	-.0036
#3	-.0235	2.542	2.536	19.16	-.1277	.5262	-.0081
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	.0455	1.018	2.530	-.1920	.9976	.0240	-.0007
SDev	.0030	.003	.017	.0380	.0018	.0121	.0002
%RSD	6.611	.2796	.6653	19.77	.1758	50.48	26.42
#1	.0487	1.015	2.537	-.1587	.9961	.0362	-.0008
#2	.0450	1.018	2.511	-.1840	.9971	.0239	-.0005
#3	.0428	1.021	2.542	-.2333	.9995	.0119	-.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	1.036	2.086
SDev	.005	.007
%RSD	.4747	.3386
#1	1.035	2.078
#2	1.033	2.086
#3	1.042	2.092
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Mon 09-11-95 11:18:05 AM page 1

Method: ICP1 Sample Name: SST-ICS-0 950908I100 Operator: DRS
Run Time: 09/11/95 11:16:45
Comment: SEG 3 DRAINABLE LIQUID DUP (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0104	97.82	.1077	-.0043	-.0001	.0006	.0470
SDev	.0011	.58	.0140	.0019	.0002	.0000	.0059
%RSD	10.22	.5974	12.97	44.12	164.4	4.781	12.45
#1	-.0112	98.26	.0917	-.0064	-.0003	.0006	.0446
#2	-.0092	97.15	.1140	-.0026	.0001	.0006	.0536
#3	-.0107	98.03	.1174	-.0040	-.0002	.0006	.0427

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0637	.0086	-.1478	.0036	.0356	-.0109	-.0047
SDev	.0003	.0014	.0015	.0006	.0014	.0009	.0009
%RSD	.5107	16.63	1.007	16.35	3.979	7.856	18.68
#1	.0634	.0072	-.1467	.0030	.0369	-.0105	-.0055
#2	.0640	.0084	-.1495	.0042	.0341	-.0104	-.0038
#3	.0637	.0101	-.1471	.0037	.0357	-.0119	-.0047

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	20.11	-.2321	.0047	.0021	.2818	.0013
SDev	.0004	.09	.1701	.0012	.0025	.0089	.0003
%RSD	1070.	.4263	73.31	24.90	116.3	3.156	18.47
#1	-.0004	20.18	-.3758	.0034	.0007	.2762	.0011
#2	.0004	20.01	-.0442	.0055	.0050	.2921	.0014
#3	.0001	20.13	-.2763	.0053	.0007	.2772	.0015

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	-.0109	-.0264	52.47	.0069	.1893	-.4334
SDev	.0003	.0264	.0045	.20	.0105	.0069	.0160
%RSD	4.669	241.3	17.06	.3852	151.9	3.670	3.685
#1	.0068	-.0414	-.0296	52.62	-.0045	.1898	-.4490
#2	.0070	.0047	-.0213	52.24	.0160	.1821	-.4170
#3	.0074	.0039	-.0285	52.56	.0092	.1959	-.4340

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0443	-.0090	.0327	-.0527	.0148	-.0002	-.0048
SDev	.0088	.0028	.0111	.0053	.0113	.0001	.0012
%RSD	19.98	30.76	33.96	9.975	76.19	35.94	26.03
#1	-.0520	-.0122	.0204	-.0587	.0137	-.0002	-.0062
#2	-.0346	-.0077	.0356	-.0495	.0266	-.0002	-.0042
#3	-.0462	-.0072	.0421	-.0498	.0041	-.0003	-.0039

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7067	.0013	.2164	49.75	.0011	.0556	.0027
SDev	.0031	.0006	.0045	.30	.0007	.0095	.0005

Analysis Report

Mon 09-11-95 11:18:05 AM page

%RSD	.4311	46.45	2.082	.5935	59.94	16.98	17.75
#1	.7053	.0009	.2199	49.98	.0006	.0474	.0022
#2	.7046	.0020	.2113	49.42	.0018	.0659	.0031
#3	.7102	.0010	.2181	49.84	.0009	.0535	.0029

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0275	10.10
SDev	.0012	.06
%RSD	4.309	.5712
#1	-.0285	10.16
#2	-.0262	10.04
#3	-.0277	10.11

Analysis Report Mon 09-11-95 11:22:00 AM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 11:20:40
Comment: SEG 3 DRAINABLE LIQUID DUP (BY-108 WATER LEACH)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	.0008	.0020	-.0008	-.0002	-.0001	-.0009
SDev	.0010	.0058	.0030	.0018	.0001	.0000	.0030
%RSD	77.71	757.2	152.6	208.8	57.88	11.80	324.0
#1	-.0023	-.0041	.0024	-.0027	-.0004	-.0001	-.0036
#2	-.0004	-.0008	-.0012	.0008	-.0002	-.0001	-.0016
#3	-.0010	.0071	.0047	-.0007	-.0002	-.0001	.0023

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0006	-.0099	-.0015	.0006	-.0010	-.0012
SDev	.0009	.0005	.0014	.0006	.0003	.0019	.0008
%RSD	28350.	83.60	14.23	39.48	43.44	193.6	68.04
#1	-.0008	.0009	-.0114	-.0022	.0003	-.0032	-.0021
#2	-.0001	.0000	-.0086	-.0014	.0007	.0002	-.0006
#3	.0010	.0008	-.0097	-.0010	.0007	.0001	-.0008

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0016	-.2984	-.0015	-.0009	.0003	-.0003
SDev	.0003	.0007	.1410	.0016	.0011	.0073	.0002
%RSD	52.97	43.99	47.25	111.1	120.7	2168.	46.86
#1	-.0008	.0009	-.4587	-.0033	-.0018	-.0080	-.0002
#2	-.0003	.0016	-.2432	-.0002	-.0014	.0035	-.0005
#3	-.0004	.0023	-.1934	-.0009	.0004	.0055	-.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0121	-.0086	.0087	.0068	.0016	-.0188
SDev	.0001	.0235	.0063	.0013	.0049	.0045	.0156
%RSD	12.83	195.1	72.64	14.95	71.91	277.4	83.01
#1	-.0007	-.0392	-.0145	.0072	.0026	-.0031	-.0368
#2	-.0009	.0016	-.0094	.0095	.0057	.0021	-.0089
#3	-.0007	.0015	-.0020	.0095	.0122	.0058	-.0107

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0085	.0015	-.0003	-.0996	-.0261	-.0001	-.0019
SDev	.0055	.0063	.0197	.0033	.0217	.0001	.0058
%RSD	63.98	413.3	6753.	3.286	83.32	101.5	304.8
#1	-.0139	-.0057	-.0209	-.1033	-.0511	-.0001	-.0050
#2	-.0087	.0060	.0183	-.0983	-.0126	.0000	-.0055
#3	-.0030	.0043	.0016	-.0971	-.0145	-.0001	.0048

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	-.0006	-.0029	-.1223	-.0008	-.0047	-.0005
SDev	.0072	.0004	.0051	.0561	.0007	.0047	.0003

%RSD	459.0	74.25	175.3	45.84	96.90	99.11	60.68
#1	-.0071	-.0010	-.0078	-.1770	-.0016	-.0055	-.0009
#2	.0066	-.0005	-.0031	-.1250	-.0003	.0003	-.0003
#3	-.0043	-.0002	.0023	-.0649	-.0004	-.0089	-.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0012	.0005
SDev	.0003	.0004
%RSD	21.22	87.48
#1	-.0010	.0001
#2	-.0011	.0004
#3	-.0015	.0009

Standardization Rpt. Mon 09-11-95 12:36:07 PM page 1

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.6598	.2106	.1690	.1072	.0308	.0174	.1448
SDev	.0045	.0013	.0015	.0018	.0002	.0001	.0006
%RSD	.6875	.6013	.8881	1.712	.7490	.6649	.4048
#1	.6649	.2120	.1699	.1080	.0311	.0175	.1441
#2	.6563	.2101	.1673	.1085	.0307	.0173	.1452
#3	.6581	.2096	.1699	.1051	.0307	.0173	.1450

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1297	.0449	.6281	.1439	.0477	.0456	.1956
SDev	.0006	.0011	.0043	.0007	.0006	.0003	.0013
%RSD	.4517	2.451	.6807	.4628	1.330	.6579	.6475
#1	.1304	.0444	.6329	.1446	.0481	.0459	.1970
#2	.1293	.0442	.6247	.1433	.0470	.0453	.1946
#3	.1295	.0462	.6267	.1437	.0481	.0456	.1951

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0339	.0568	.2165	.0992	.0418	.2399	.0197
SDev	.0002	.0003	.0011	.0003	.0006	.0021	.0003
%RSD	.6147	.6187	.5334	.3081	1.539	.8913	1.275
#1	.0341	.0571	.2178	.0995	.0425	.2424	.0200
#2	.0337	.0564	.2158	.0991	.0413	.2386	.0197
#3	.0338	.0568	.2158	.0989	.0415	.2388	.0195

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0817	.0414	.3685	.0477	.1299	1.347	1.540
SDev	.0010	.0001	.0032	.0010	.0010	.017	.011
%RSD	1.273	.3687	.8621	2.065	.7597	1.292	.6886
#1	.0829	.0416	.3722	.0485	.1310	1.364	1.552
#2	.0809	.0413	.3666	.0466	.1292	1.329	1.533
#3	.0814	.0414	.3668	.0480	.1294	1.347	1.535

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.527	.2609	.1564	.3929	.6862	.0142	1.001
SDev	.011	.0029	.0032	.0019	.0056	.0001	.011
%RSD	.7087	1.102	2.031	.4872	.8141	.7042	1.125
#1	1.538	.2613	.1601	.3949	.6926	.0143	1.014
#2	1.517	.2578	.1547	.3926	.6837	.0141	.9948
#3	1.526	.2635	.1545	.3911	.6823	.0142	.9946

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.2367	.0651	.0345	1.732	.0985	.0312	.0257
SDev	.0022	.0004	.0007	.008	.0006	.0003	.0001
%RSD	.9524	.5819	2.090	.4340	.6529	.9262	.3891
#1	.2389	.0655	.0337	1.741	.0992	.0310	.0258
#2	.2344	.0648	.0351	1.726	.0982	.0310	.0256
#3	.2369	.0649	.0347	1.730	.0980	.0315	.0257

Elem	Zn	Zr
Avge	.0339	.0814
SDev	.0001	.0005

%RSD	.1705	.5808
#1	.0338	.0819
#2	.0339	.0810
#3	.0339	.0812

Standardization Rot. Mon 09-11-95 12:37:56 PM page 1

Method: ICP1 Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	8.411	18.33	13.15	4.628	77.50	47.21	12.56
SDev	.082	.10	.08	.049	.41	.28	.08
%RSD	.9787	.5190	.6054	1.056	.5230	.5850	.6646
#1	8.375	18.25	13.09	4.606	77.20	47.05	12.49
#2	8.352	18.31	13.13	4.595	77.35	47.05	12.53
#3	8.505	18.43	13.24	4.685	77.96	47.53	12.65

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	5.986	6.307	61.85	8.687	15.68	30.65	26.74
SDev	.122	.032	.23	.096	.12	.19	.18
%RSD	2.032	.5112	.3783	1.110	.7348	.6244	.6687
#1	6.001	6.280	61.64	8.630	15.61	30.51	26.64
#2	5.858	6.300	61.82	8.631	15.62	30.57	26.64
#3	6.100	6.343	62.10	8.798	15.82	30.86	26.95

Standardization Rpt. Mon 09-11-95 12:41:46 PM page 1

Method: ICP1 Standard: ~~STD3~~ Put std 5 in place of 3 will rerun BS 9/11/95

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	.4128	.1408	.4382	1.138	.2222	.0526	.0276
SDev	.0015	.0008	.0014	.011	.0007	.0008	.0001
%RSD	.3571	.5637	.3107	.9240	.2996	1.524	.3623
#1	.4123	.1417	.4387	1.143	.2218	.0518	.0276
#2	.4117	.1405	.4367	1.125	.2230	.0534	.0277
#3	.4145	.1402	.4393	1.144	.2219	.0527	.0275

Elem	P
Avge	.1513
SDev	.0029
%RSD	1.927
#1	.1497
#2	.1496
#3	.1547

Standardization Rpt. Mon 09-11-95 12:45:48 PM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	75.19	51.54	82.05	10.15	3.084	13.58	7.321
SDev	.23	.13	.20	.04	.018	.08	.018
%RSD	.3050	.2585	.2430	.3763	.5852	.6190	.2527
#1	75.22	51.55	82.06	10.16	3.078	13.54	7.324
#2	74.95	51.40	81.85	10.10	3.071	13.52	7.302
#3	75.40	51.67	82.25	10.18	3.105	13.67	7.339

Elem	P
Avge	14.42
SDev	.04
%RSD	.3051
#1	14.42
#2	14.37
#3	14.46

Standardization Rpt. Mon 09-11-95 12:49:24 PM page 1

Method: ICP1 Standard: STD4

Elem	Dy	Eu	La	Nd	Th
Avge	50.12	11.56	6.393	17.25	12.37
SDev	.52	.12	.060	.18	.11
%RSD	1.035	1.011	.9410	1.019	.8886
#1	49.70	11.45	6.345	17.09	12.28
#2	50.70	11.68	6.460	17.44	12.49
#3	49.98	11.53	6.374	17.21	12.33

Standardization Rpt. Mon 09-11-95 12:53:50 PM page 1

Method: ICP1 Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	27.83	25.62	37.07	12.57	3.249
SDev	.09	.09	.10	.04	.009
%RSD	.3218	.3543	.2766	.3243	.2665
#1	27.80	25.52	36.99	12.55	3.244
#2	27.94	25.70	37.19	12.62	3.259
#3	27.77	25.63	37.04	12.55	3.244

Standardization Rpt. Mon 09-11-95 12:57:34 PM page 1

Method: ICP1 Standard: STD6

Elem	U
Avge	52.80
SDev	.33
%RSD	.6250
#1	52.48
#2	52.77
#3	53.14

Standardization Rpt. Mon 09-11-95 01:01:37 PM page 1

Method: ICP1 Standard: STD7

Elem	Be	Si	Te
Avge	1.926	79.50	56.89
SDev	.011	.40	.28
%RSD	.5931	.5053	.4927
#1	1.929	79.43	56.93
#2	1.913	79.14	56.59
#3	1.934	79.94	57.14

Standardization Rpt. Mon 09-11-95 01:05:10 PM page 1

Method: ICP1 Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	31.31	27.96	4.072	1.259
SDev	.09	.10	.009	.005
%RSD	.2772	.3512	.2193	.3646
#1	31.21	27.85	4.061	1.254
#2	31.36	28.01	4.075	1.263
#3	31.35	28.02	4.078	1.260

Analysis Report Mon 09-11-95 09:05:45 AM page 1

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/11/95 09:03:12
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	.0067	.0113	.0279	.0105	.0001	.0002	.0057
SDev	.0013	.0051	.0009	.0010	.0003	.0001	.0079
%RSD	19.78	45.62	3.299	9.598	312.9	28.05	137.2
#1	.0077	.0151	.0275	.0099	.0005	.0002	.0063
#2	.0071	.0133	.0290	.0100	-.0001	.0002	.0133
#3	.0052	.0054	.0273	.0117	-.0001	.0001	-.0024

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0092	.0020	.0299	.0034	.0046	10.16	-.0011
SDev	.0018	.0012	.0091	.0008	.0011	.07	.0008
%RSD	19.29	59.82	30.44	23.77	24.74	.7277	76.10
#1	-.0077	.0009	.0382	.0041	.0055	10.08	-.0004
#2	-.0087	.0033	.0312	.0036	.0033	10.17	-.0009
#3	-.0112	.0019	.0202	.0025	.0051	10.23	-.0020

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0008	1.082	.0053	10.93	.0113	10.36
SDev	.0003	.0007	.218	.0025	.26	.0075	.03
%RSD	32.39	88.74	20.13	47.56	2.366	66.51	.2928
#1	.0009	.0014	1.305	.0068	10.66	.0192	10.33
#2	.0010	.0011	1.070	.0067	10.95	.0043	10.38
#3	.0005	-.0000	.8703	.0024	11.18	.0102	10.38

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0486	.0203	.0070	.0004	10.61	.0646
SDev	.0008	.0293	.0054	.0020	.0253	.01	.0168
%RSD	765.4	60.31	26.83	28.17	6448.	.0818	25.96
#1	.0005	.0779	.0266	.0068	-.0133	10.60	.0825
#2	-.0009	.0486	.0173	.0091	.0295	10.62	.0621
#3	.0001	.0193	.0170	.0052	-.0151	10.61	.0493

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0310	.0267	.0219	.2091	.0985	-.0002	.0140
SDev	.0102	.0052	.0131	.0064	.0152	.0001	.0081
%RSD	32.72	19.33	59.71	3.046	15.43	58.98	58.32
#1	.0401	.0221	.0368	.2138	.1154	-.0001	.0207
#2	.0329	.0323	.0161	.2116	.0860	-.0002	.0163
#3	.0201	.0256	.0127	.2019	.0942	-.0003	.0049

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	.0018	.0546	.3113	.0037	.0020	.0017
SDev	.0053	.0005	.0022	.0968	.0007	.0076	.0004

%RSD	57.76	30.04	4.092	31.11	19.17	385.8	23.30
#1	.0094	.0023	.0529	.4008	.0042	.0099	.0021
#2	.0037	.0016	.0538	.3244	.0040	-.0052	.0018
#3	.0143	.0013	.0571	.2085	.0029	.0012	.0013

Elem	Zn	Zr
Units	ppm	ppm
Avge	10.36	.0032
SDev	.03	.0012
%RSD	.2553	36.41
#1	10.33	.0042
#2	10.39	.0034
#3	10.37	.0019

Standardization Rpt. Mon 09-11-95 09:10:24 AM page 1

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.6676	.2118	.1681	.1089	.0310	.0174	.1444
SDev	.0029	.0003	.0011	.0012	.0001	.0001	.0011
%RSD	.4384	.1188	.6524	1.064	.3226	.3312	.7329
#1	.6690	.2118	.1685	.1097	.0311	.0174	.1448
#2	.6695	.2121	.1669	.1076	.0310	.0175	.1432
#3	.6642	.2116	.1690	.1095	.0309	.0174	.1452

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1310	.0441	.6350	.1437	.0477	.0474	.1966
SDev	.0003	.0006	.0026	.0009	.0003	.0002	.0006
%RSD	.2644	1.263	.4089	.6430	.6056	.4395	.3052
#1	.1312	.0440	.6373	.1442	.0475	.0472	.1972
#2	.1312	.0436	.6356	.1442	.0475	.0476	.1966
#3	.1306	.0447	.6322	.1426	.0480	.0473	.1960

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0341	.0572	.2195	.0999	.0421	.2409	.0203
SDev	.0001	.0004	.0005	.0004	.0002	.0004	.0001
%RSD	.2933	.6303	.2338	.3788	.4751	.1677	.5679
#1	.0342	.0576	.2194	.1001	.0423	.2413	.0204
#2	.0341	.0571	.2201	.1002	.0419	.2410	.0204
#3	.0340	.0569	.2191	.0995	.0421	.2405	.0202

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0809	.0419	.3707	.0477	.1303	1.359	1.549
SDev	.0011	.0004	.0015	.0006	.0019	.007	.005
%RSD	1.337	1.075	.4129	1.154	1.418	.4826	.3236
#1	.0806	.0424	.3713	.0477	.1314	1.366	1.550
#2	.0821	.0419	.3719	.0472	.1314	1.355	1.553
#3	.0800	.0415	.3690	.0483	.1282	1.355	1.543

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.537	.2638	.1539	.4590	.6939	.0141	1.007
SDev	.005	.0023	.0011	.0029	.0006	.0001	.005
%RSD	.3118	.8586	.6888	.6361	.0900	.4104	.4865
#1	1.540	.2614	.1550	.4605	.6944	.0141	1.006
#2	1.540	.2659	.1537	.4608	.6941	.0141	1.013
#3	1.532	.2641	.1529	.4556	.6932	.0140	1.003

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.2396	.0658	.0344	1.750	.0995	.0305	.0260
SDev	.0007	.0002	.0004	.007	.0004	.0002	.0001
%RSD	.3019	.3512	1.211	.4202	.3624	.6818	.2223
#1	.2388	.0659	.0339	1.755	.0996	.0306	.0260
#2	.2400	.0659	.0347	1.753	.0998	.0307	.0260
#3	.2401	.0655	.0345	1.741	.0991	.0303	.0259

Elem	Zn	Zr
Avge	.0330	.0824
SDev	.0011	.0002

%RSD	3.376	.2102
#1	.0343	.0825
#2	.0322	.0825
#3	.0326	.0822

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

Method: ICP1 Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	8.264	17.94	12.96	4.597	76.24	46.71	12.27
SDev	.044	.03	.03	.026	.17	.14	.02
%RSD	.5342	.1687	.2191	.5605	.2226	.2959	.1947
#1	8.241	17.91	12.95	4.576	76.22	46.67	12.26
#2	8.315	17.97	13.00	4.626	76.42	46.86	12.30
#3	8.235	17.93	12.95	4.590	76.08	46.60	12.25

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	6.163	6.134	61.09	8.375	15.34	29.60	26.26
SDev	.092	.006	.12	.042	.05	.04	.09
%RSD	1.493	.1042	.2032	.5065	.3323	.1247	.3564
#1	6.135	6.132	60.98	8.340	15.32	29.56	26.24
#2	6.265	6.142	61.22	8.422	15.40	29.64	26.37
#3	6.087	6.129	61.08	8.363	15.30	29.59	26.18

Standardization Rpt. Mon 09-11-95 09:15:57 AM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	75.50	51.70	81.66	10.19	3.235	14.13	7.314
SDev	.35	.19	.21	.04	.035	.15	.023
%RSD	.4613	.3669	.2524	.3962	1.085	1.075	.3077
#1	75.87	51.89	81.86	10.23	3.275	14.30	7.335
#2	75.18	51.51	81.45	10.15	3.209	14.01	7.290
#3	75.45	51.71	81.69	10.19	3.222	14.09	7.315

Elem	P
Avge	14.53
SDev	.07
%RSD	.4495
#1	14.58
#2	14.46
#3	14.54

Standardization Rpt. Mon 09-11-95 09:19:43 AM page 1

Method: ICP1 Standard: STD4

Elem	Dy	Eu	La	Nd	Th
Avge	50.33	11.56	6.345	17.23	12.35
SDev	.17	.03	.021	.04	.04
%RSD	.3366	.2617	.3234	.2537	.2919
#1	50.50	11.58	6.349	17.27	12.35
#2	50.16	11.53	6.323	17.18	12.31
#3	50.32	11.57	6.363	17.25	12.38

Standardization Rpt. Mon 09-11-95 09:23:25 AM page 1

Method: ICP1 Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	27.65	25.74	37.25	12.76	3.321
SDev	.02	.07	.05	.03	.008
%RSD	.0786	.2633	.1467	.2094	.2275
#1	27.65	25.81	37.29	12.79	3.329
#2	27.62	25.69	37.19	12.73	3.314
#3	27.67	25.71	37.26	12.76	3.322

Standardization Rpt. Mon 09-11-95 09:27:11 AM page 1

Method: ICP1 Standard: STD6

Elem	U
Avge	52.93
SDev	.06
%RSD	.1178
#1	52.92
#2	53.00
#3	52.87

Standardization Rpt. Mon 09-11-95 09:31:06 AM page

Method: ICP1 Standard: STD7

Elem	Be	Si	Te
Avge	1.953	79.74	57.00
SDev	.003	.05	.06
%RSD	.1280	.0648	.1133
#1	1.956	79.79	57.04
#2	1.951	79.69	56.93
#3	1.952	79.73	57.04

Standardization Rpt. Mon 09-11-95 09:34:40 AM page 1

Method: ICP1 Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	31.00	27.78	4.003	1.213
SDev	.14	.11	.017	.008
%RSD	.4496	.4050	.4225	.6599
#1	31.11	27.85	4.012	1.222
#2	31.05	27.84	4.014	1.211
#3	30.84	27.65	3.984	1.207

Standardization Rpt.

Mon 09-11-95 09:38:48 AM

page

Method: ICP1

Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	21.73	51.30	8.712	3.380
SDev	.10	.33	.025	.013
%RSD	.4775	.6458	.2847	.3904
#1	21.66	51.08	8.703	3.375
#2	21.85	51.68	8.740	3.395
#3	21.69	51.14	8.693	3.370

Standardization Report Mon 09-11-95 09:39:08 AM 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	.329678	-.220082	09/11/95 09:37:30
Al	308.215	STD3	STD1-Blank	6.64128	-1.40684	09/11/95 09:37:30
As	193.600	STD5	STD1-Blank	3.63924	-.611877	09/11/95 09:37:30
B	249.600	STD3	STD1-Blank	.969097	-.105567	09/11/95 09:37:30
Ba	493.400	STD2	STD1-Blank	1.21466	-.037655	09/11/95 09:37:30
Be	313.042	STD7	STD1-Blank	.516609	-.009006	09/11/95 09:37:30
Bi	223.061	STD8	STD1-Blank	3.61838	-.522494	09/11/95 09:37:30
Ca	317.900	STD3	STD1-Blank	3.06628	-.401683	09/11/95 09:37:30
Cd	228.800	STD3	STD1-Blank	.985607	-.043465	09/11/95 09:37:30
Ce	418.659	STD5	STD1-Blank	1.99196	-1.26496	09/11/95 09:37:30
Co	228.600	STD2	STD1-Blank	1.12409	-.161494	09/11/95 09:37:30
Cr	205.500	STD2	STD1-Blank	1.54837	-.073805	09/11/95 09:37:30
Cu	324.700	STD2	STD1-Blank	4.39583	-.208216	09/11/95 09:37:30
Dy	353.170	STD4	STD1-Blank	.997400	-.196089	09/11/95 09:37:30
Eu	381.900	STD4	STD1-Blank	1.73516	-.059169	09/11/95 09:37:30
Fe	259.900	STD2	STD1-Blank	2.62534	-.150170	09/11/95 09:37:30
K	766.500	STD3	STD1-Blank	165.790	-36.3964	09/11/95 09:37:30
La	398.852	STD4	STD1-Blank	3.20260	-.320046	09/11/95 09:37:30
Li	670.700	STD3	STD1-Blank	3.54810	-.149375	09/11/95 09:37:30
Mg	279.078	STD2	STD1-Blank	5.38016	-1.29626	09/11/95 09:37:30
Mn	257.600	STD3	STD1-Blank	1.37112	-.027879	09/11/95 09:37:30
Mo	202.000	STD2	STD1-Blank	1.64094	-.132752	09/11/95 09:37:30
Na	588.900	STD2	STD1-Blank	40.8443	-1.71274	09/11/95 09:37:30
Nd	406.106	STD4	STD1-Blank	2.96521	-1.09930	09/11/95 09:37:30
Ni	231.600	STD2	STD1-Blank	3.28587	-.156846	09/11/95 09:37:30
P	214.900	STD3	STD1-Blank	6.94657	-.905369	09/11/95 09:37:30
Pb	220.300	STD2	STD1-Blank	.837027	-1.13730	09/11/95 09:37:30
Pd	360.959	STD9	STD1-Blank	2.47714	-3.83642	09/11/95 09:37:30
Rh	343.489	STD9	STD1-Blank	1.00478	-1.54478	09/11/95 09:37:30
Sb	206.838	STD5	STD1-Blank	2.70398	-.713309	09/11/95 09:37:30
Se	196.026	STD8	STD1-Blank	5.19598	-.799487	09/11/95 09:37:30
Si	288.100	STD7	STD1-Blank	2.52275	-1.15786	09/11/95 09:37:30
Sn	242.950	STD9	STD1-Blank	7.16855	-4.97426	09/11/95 09:37:30
Sr	421.500	STD2	STD1-Blank	1.19608	-.016825	09/11/95 09:37:30
Te	214.275	STD7	STD1-Blank	.892696	-.899325	09/11/95 09:37:30
Th	283.730	STD4	STD1-Blank	4.12935	-.989531	09/11/95 09:37:30
Ti	334.900	STD2	STD1-Blank	1.30942	-.086116	09/11/95 09:37:30
Tl	190.864	STD8	STD1-Blank	16.9640	-.582996	09/11/95 09:37:30
U	378.280	STD6	STD1-Blank	9.76913	-17.0943	09/11/95 09:37:30
V	292.402	STD5	STD1-Blank	1.57970	-.157180	09/11/95 09:37:30
W	224.875	STD9	STD1-Blank	15.1278	-.461901	09/11/95 09:37:30
Y	371.030	STD5	STD1-Blank	3.03459	-.078798	09/11/95 09:37:30
Zn	213.800	STD2	STD1-Blank	.676530	-.022348	09/11/95 09:37:30
Zr	339.100	STD2	STD1-Blank	1.90980	-.157368	09/11/95 09:37:30

Standardization Report Mon 09-11-95 09:39:31 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	3.03326	.220082	09/11/95 09:37:30
Al	308.215	STD3	STD1-Blank	.150573	1.40684	09/11/95 09:37:30
As	193.600	STD5	STD1-Blank	.274783	.611877	09/11/95 09:37:30
B	249.600	STD3	STD1-Blank	1.03189	.105567	09/11/95 09:37:30
Ba	493.400	STD2	STD1-Blank	.823273	.037655	09/11/95 09:37:30
Be	313.042	STD7	STD1-Blank	1.93570	.009006	09/11/95 09:37:30
Bi	223.061	STD8	STD1-Blank	.276367	.522494	09/11/95 09:37:30
Ca	317.900	STD3	STD1-Blank	.326128	.401683	09/11/95 09:37:30
Cd	228.800	STD3	STD1-Blank	1.01460	.043465	09/11/95 09:37:30
Ce	418.659	STD5	STD1-Blank	.502019	1.26496	09/11/95 09:37:30
Co	228.600	STD2	STD1-Blank	.889610	.161494	09/11/95 09:37:30
Cr	205.500	STD2	STD1-Blank	.645842	.073805	09/11/95 09:37:30
Cu	324.700	STD2	STD1-Blank	.227488	.208216	09/11/95 09:37:30
Dy	353.170	STD4	STD1-Blank	1.00261	.196089	09/11/95 09:37:30
Eu	381.900	STD4	STD1-Blank	.576317	.059169	09/11/95 09:37:30
Fe	259.900	STD2	STD1-Blank	.380903	.150170	09/11/95 09:37:30
K	766.500	STD3	STD1-Blank	.006032	36.3964	09/11/95 09:37:30
La	398.852	STD4	STD1-Blank	.312247	.320046	09/11/95 09:37:30
Li	670.700	STD3	STD1-Blank	.281841	.149375	09/11/95 09:37:30
Mg	279.078	STD2	STD1-Blank	.185868	1.29626	09/11/95 09:37:30
Mn	257.600	STD3	STD1-Blank	.729333	.027879	09/11/95 09:37:30
Mo	202.000	STD2	STD1-Blank	.609405	.132752	09/11/95 09:37:30
Na	588.900	STD2	STD1-Blank	.024483	1.71274	09/11/95 09:37:30
Nd	406.106	STD4	STD1-Blank	.337244	1.09930	09/11/95 09:37:30
Ni	231.600	STD2	STD1-Blank	.304333	.156846	09/11/95 09:37:30
P	214.900	STD3	STD1-Blank	.143956	.905369	09/11/95 09:37:3
Pb	220.300	STD2	STD1-Blank	1.19470	1.13730	09/11/95 09:37:
Pd	360.959	STD9	STD1-Blank	.403692	3.83642	09/11/95 09:37:30
Rh	343.489	STD9	STD1-Blank	.995245	1.54478	09/11/95 09:37:30
Sb	206.838	STD5	STD1-Blank	.369826	.713309	09/11/95 09:37:30
Se	196.026	STD8	STD1-Blank	.192457	.799487	09/11/95 09:37:30
Si	288.100	STD7	STD1-Blank	.396393	1.15786	09/11/95 09:37:30
Sn	242.950	STD9	STD1-Blank	.139498	4.97426	09/11/95 09:37:30
Sr	421.500	STD2	STD1-Blank	.836067	.016825	09/11/95 09:37:30
Te	214.275	STD7	STD1-Blank	1.11995	.899325	09/11/95 09:37:30
Th	283.730	STD4	STD1-Blank	.242169	.989531	09/11/95 09:37:30
Ti	334.900	STD2	STD1-Blank	.763695	.086116	09/11/95 09:37:30
Tl	190.864	STD8	STD1-Blank	.058948	.582996	09/11/95 09:37:30
U	378.280	STD6	STD1-Blank	.102363	17.0943	09/11/95 09:37:30
V	292.402	STD5	STD1-Blank	.633032	.157180	09/11/95 09:37:30
W	224.875	STD9	STD1-Blank	.066104	.461901	09/11/95 09:37:30
Y	371.030	STD5	STD1-Blank	.329533	.078798	09/11/95 09:37:30
Zn	213.800	STD2	STD1-Blank	1.47813	.022348	09/11/95 09:37:30
Zr	339.100	STD2	STD1-Blank	.523615	.157368	09/11/95 09:37:30

Standardization Readback Report Mon 09-11-95 09:39:55 AM 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	1.000000	.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 Mon 09-11-95 09:39:55 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	.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	.000015

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	-.000015
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	.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	.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

Standardization Readback Report Mon 09-11-95 09:39:55 AM page

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	.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 Mon 09-11-95 09:46:12 AM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 09:44:53
Comment: (BY-108 WATER LEACH)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	-.0005	.0022	.0051	.0002	.0000	.0009
SDev	.0016	.0054	.0054	.0011	.0004	.0000	.0080
%RSD	303.7	1131.	245.2	21.12	210.5	34.86	938.2
#1	.0009	.0026	.0028	.0041	.0006	.0001	.0098
#2	-.0002	.0028	.0073	.0051	.0002	.0000	-.0016
#3	-.0022	-.0068	-.0035	.0062	-.0002	.0000	-.0057

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0028	.0008	.0008	.0009	-.0003	.0002	.0003
SDev	.0019	.0010	.0082	.0014	.0013	.0008	.0009
%RSD	67.46	118.6	1028.	156.4	387.2	464.8	316.6
#1	-.0015	.0011	.0084	.0024	.0011	.0010	.0013
#2	-.0020	-.0003	.0019	.0007	-.0014	.0000	.0000
#3	-.0050	.0016	-.0079	-.0004	-.0007	-.0005	-.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0008	-.0497	.0005	-.0004	-.0048	-.0005
SDev	.0004	.0013	.2323	.0025	.0000	.0124	.0001
%RSD	185.0	164.3	467.1	470.2	.8622	260.5	25.51
#1	.0006	.0005	.1768	.0034	-.0004	.0074	-.0005
#2	.0002	-.0009	-.0387	-.0002	-.0004	-.0042	-.0003
#3	-.0001	-.0020	-.2874	-.0016	-.0004	-.0174	-.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	-.0014	.0034	.0009	.0079	.0078	.0146
SDev	.0014	.0140	.0063	.0018	.0205	.0060	.0152
%RSD	261.4	966.1	185.1	207.9	259.0	77.07	104.0
#1	.0004	.0065	.0106	.0028	.0266	.0098	.0309
#2	.0020	.0067	.0009	.0005	.0111	.0126	.0118
#3	-.0008	-.0176	-.0012	-.0007	-.0140	.0010	.0010

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	-.0021	.0122	.7508	.0190	.0003	.0023
SDev	.0078	.0086	.0046	.0193	.0317	.0001	.0019
%RSD	306.2	419.3	37.79	2.574	166.8	19.13	85.92
#1	.0100	.0034	.0088	.7630	.0217	.0004	.0006
#2	.0032	.0025	.0103	.7610	.0492	.0003	.0018
#3	-.0055	-.0120	.0174	.7285	-.0140	.0003	.0044

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0002	-.0001	.0466	-.0002	.0115	.0001
SDev	.0015	.0002	.0073	.1114	.0009	.0077	.0005

Analysis Report Mon 09-11-95 09:46:12 AM page 2

%RSD	149.2	106.4	6336.	239.2	509.2	66.62	724.3
#1	.0006	.0000	.0011	.1609	.0009	.0173	.0006
#2	-.0012	-.0004	.0065	.0406	-.0007	.0145	.0001
#3	-.0024	-.0003	-.0079	-.0618	-.0007	.0028	-.0005

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0005	-.0007
SDev	.0007	.0009
%RSD	147.6	132.6
#1	.0010	-.0000
#2	-.0003	-.0003
#3	.0007	-.0017

Analysis Report QC Standard Mon 09-11-95 09:48:50 AM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS

Run Time: 09/11/95 09:47:31

Comment: (BY-108 WATER LEACH)K.SILVERS

Mode: CONC Corr. Factor: 1

Fail-K RB 9/11/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4865	25.13	2.566	1.997	.5134	.0937	24.58
SDev	.0015	.10	.019	.009	.0022	.0002	.10
%RSD	.3166	.4121	.7317	.4373	.4296	.2524	.3892
#1	.4881	25.13	2.565	2.002	.5137	.0938	24.65
#2	.4863	25.24	2.586	2.003	.5154	.0938	24.62
#3	.4851	25.03	2.548	1.987	.5111	.0934	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	25.05	.5035	-.0286	1.036	1.032	1.008	.0005
SDev	.04	.0040	.0062	.004	.006	.007	.0005
%RSD	.1444	.7877	21.74	.3384	.5976	.6796	97.61
#1	25.06	.5080	-.0290	1.037	1.039	1.006	.0002
#2	25.08	.5007	-.0347	1.039	1.029	1.015	.0002
#3	25.01	.5016	-.0223	1.032	1.028	1.002	.0010
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	20.60	Q27.56	.0054	1.998	26.72	.5126
SDev	.0002	.05	.34	.0007	.020	.06	.0015
%RSD	10.49	.2643	1.229	13.09	1.011	.2179	.2843
#1	.0022	20.61	27.32	.0055	1.988	26.75	.5131
#2	.0020	20.64	Q27.95	.0047	2.022	26.75	.5137
#3	.0025	20.54	27.42	.0061	1.985	26.65	.5109
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	1.035	25.32	.0152	1.064	.0618	2.644	-.0125
SDev	.003	.26	.0037	.002	.0115	.007	.0061
%RSD	.2560	1.023	24.66	.2005	18.68	.2754	48.92
#1	1.037	25.15	.0166	1.063	.0706	2.645	-.0087
#2	1.036	25.61	.0109	1.066	.0487	2.651	-.0195
#3	1.032	25.19	.0180	1.062	.0661	2.636	-.0092
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Standardization Rpt.

Mon 09-11-95 01:08:19 PM

Method: ICP1 Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	21.88	52.10	8.741	3.368
SDev	.03	.09	.011	.008
%RSD	.1433	.1748	.1289	.2412
#1	21.85	52.04	8.729	3.359
#2	21.91	52.20	8.742	3.371
#3	21.89	52.05	8.752	3.374

Standardization Report Mon 09-11-95 01:08:42 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	.326306	-.215286	09/11/95 01:07:02
Al	308.215	STD3	STD1-Blank	6.66839	-1.40414	09/11/95 01:07:02
As	193.600	STD5	STD1-Blank	3.61457	-.610983	09/11/95 01:07:02
B	249.600	STD3	STD1-Blank	.972156	-.104215	09/11/95 01:07:02
Ba	493.400	STD2	STD1-Blank	1.19336	-.036795	09/11/95 01:07:02
Be	313.042	STD7	STD1-Blank	.524054	-.009101	09/11/95 01:07:02
Bi	223.061	STD8	STD1-Blank	3.59516	-.520459	09/11/95 01:07:02
Ca	317.900	STD3	STD1-Blank	3.05160	-.395895	09/11/95 01:07:02
Cd	228.800	STD3	STD1-Blank	.990066	-.044487	09/11/95 01:07:02
Ce	418.659	STD5	STD1-Blank	2.00101	-1.25683	09/11/95 01:07:02
Co	228.600	STD2	STD1-Blank	1.09981	-.158226	09/11/95 01:07:02
Cr	205.500	STD2	STD1-Blank	1.52603	-.072843	09/11/95 01:07:02
Cu	324.700	STD2	STD1-Blank	4.36418	-.199006	09/11/95 01:07:02
Dy	353.170	STD4	STD1-Blank	1.00142	-.195844	09/11/95 01:07:02
Eu	381.900	STD4	STD1-Blank	1.73579	-.058786	09/11/95 01:07:02
Fe	259.900	STD2	STD1-Blank	2.58241	-.146595	09/11/95 01:07:02
K	766.500	STD3	STD1-Blank	174.344	-37.7396	09/11/95 01:07:02
La	398.852	STD4	STD1-Blank	3.17768	-.315120	09/11/95 01:07:02
Li	670.700	STD3	STD1-Blank	3.69424	-.154296	09/11/95 01:07:02
Mg	279.078	STD2	STD1-Blank	5.32260	-1.27707	09/11/95 01:07:02
Mn	257.600	STD3	STD1-Blank	1.36953	-.027025	09/11/95 01:07:02
Mo	202.000	STD2	STD1-Blank	1.60281	-.131003	09/11/95 01:07:02
Na	588.900	STD2	STD1-Blank	42.0521	-1.74236	09/11/95 01:07:02
Nd	406.106	STD4	STD1-Blank	2.96192	-1.09157	09/11/95 01:07:02
Ni	231.600	STD2	STD1-Blank	3.19504	-.152403	09/11/95 01:07:02
P	214.900	STD3	STD1-Blank	6.99958	-.909012	09/11/95 01:07:02
Pb	220.300	STD2	STD1-Blank	.826388	-1.11292	09/11/95 01:07:02
Pd	360.959	STD9	STD1-Blank	2.45804	-3.78538	09/11/95 01:07:02
Rh	343.489	STD9	STD1-Blank	.988702	-1.50968	09/11/95 01:07:02
Sb	206.838	STD5	STD1-Blank	2.71650	-.708643	09/11/95 01:07:02
Se	196.026	STD8	STD1-Blank	5.10834	-.799115	09/11/95 01:07:02
Si	288.100	STD7	STD1-Blank	2.52814	-.993222	09/11/95 01:07:02
Sn	242.950	STD9	STD1-Blank	7.13580	-4.89658	09/11/95 01:07:02
Sr	421.500	STD2	STD1-Blank	1.15308	-.016374	09/11/95 01:07:02
Te	214.275	STD7	STD1-Blank	.894677	-.895751	09/11/95 01:07:02
Th	283.730	STD4	STD1-Blank	4.12111	-.975603	09/11/95 01:07:02
Ti	334.900	STD2	STD1-Blank	1.28057	-.083322	09/11/95 01:07:02
Tl	190.864	STD8	STD1-Blank	16.3359	-.563587	09/11/95 01:07:02
U	378.280	STD6	STD1-Blank	9.79173	-16.9622	09/11/95 01:07:02
V	292.402	STD5	STD1-Blank	1.60336	-.157878	09/11/95 01:07:02
W	224.875	STD9	STD1-Blank	15.1850	-.473267	09/11/95 01:07:02
Y	371.030	STD5	STD1-Blank	3.10203	-.079722	09/11/95 01:07:02
Zn	213.800	STD2	STD1-Blank	.653309	-.022125	09/11/95 01:07:02
Zr	339.100	STD2	STD1-Blank	1.87550	-.152603	09/11/95 01:07:02

Standardization Report Mon 09-11-95 01:09:04 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	3.06461	.215286	09/11/95 01:07:02
Al	308.215	STD3	STD1-Blank	.149961	1.40414	09/11/95 01:07:02
As	193.600	STD5	STD1-Blank	.276658	.610983	09/11/95 01:07:02
B	249.600	STD3	STD1-Blank	1.02864	.104215	09/11/95 01:07:02
Ba	493.400	STD2	STD1-Blank	.837970	.036795	09/11/95 01:07:02
Be	313.042	STD7	STD1-Blank	1.90820	.009101	09/11/95 01:07:02
Bi	223.061	STD8	STD1-Blank	.278152	.520459	09/11/95 01:07:02
Ca	317.900	STD3	STD1-Blank	.327697	.395895	09/11/95 01:07:02
Cd	228.800	STD3	STD1-Blank	1.01003	.044487	09/11/95 01:07:02
Ce	418.659	STD5	STD1-Blank	.499748	1.25683	09/11/95 01:07:02
Co	228.600	STD2	STD1-Blank	.909247	.158226	09/11/95 01:07:02
Cr	205.500	STD2	STD1-Blank	.655293	.072843	09/11/95 01:07:02
Cu	324.700	STD2	STD1-Blank	.229138	.199006	09/11/95 01:07:02
Dy	353.170	STD4	STD1-Blank	.998585	.195844	09/11/95 01:07:02
Eu	381.900	STD4	STD1-Blank	.576105	.058786	09/11/95 01:07:02
Fe	259.900	STD2	STD1-Blank	.387235	.146595	09/11/95 01:07:02
K	766.500	STD3	STD1-Blank	.005736	37.7396	09/11/95 01:07:02
La	398.852	STD4	STD1-Blank	.314695	.315120	09/11/95 01:07:02
Li	670.700	STD3	STD1-Blank	.270692	.154296	09/11/95 01:07:02
Mg	279.078	STD2	STD1-Blank	.187878	1.27707	09/11/95 01:07:02
Mn	257.600	STD3	STD1-Blank	.730177	.027025	09/11/95 01:07:02
Mo	202.000	STD2	STD1-Blank	.623903	.131003	09/11/95 01:07:02
Na	588.900	STD2	STD1-Blank	.023780	1.74236	09/11/95 01:07:02
Nd	406.106	STD4	STD1-Blank	.337619	1.09157	09/11/95 01:07:02
Ni	231.600	STD2	STD1-Blank	.312985	.152403	09/11/95 01:07:02
P	214.900	STD3	STD1-Blank	.142866	.909012	09/11/95 01:07:0[illegible]
Pb	220.300	STD2	STD1-Blank	1.21009	1.11292	09/11/95 01:07:
Pd	360.959	STD9	STD1-Blank	.406828	3.78538	09/11/95 01:07:0[illegible]
Rh	343.489	STD9	STD1-Blank	1.01143	1.50968	09/11/95 01:07:02
Sb	206.838	STD5	STD1-Blank	.368121	.708643	09/11/95 01:07:02
Se	196.026	STD8	STD1-Blank	.195758	.799115	09/11/95 01:07:02
Si	288.100	STD7	STD1-Blank	.395548	.993222	09/11/95 01:07:02
Sn	242.950	STD9	STD1-Blank	.140139	4.89658	09/11/95 01:07:02
Sr	421.500	STD2	STD1-Blank	.867240	.016374	09/11/95 01:07:02
Te	214.275	STD7	STD1-Blank	1.11772	.895751	09/11/95 01:07:02
Th	283.730	STD4	STD1-Blank	.242653	.975603	09/11/95 01:07:02
Ti	334.900	STD2	STD1-Blank	.780903	.083322	09/11/95 01:07:02
Tl	190.864	STD8	STD1-Blank	.061215	.563587	09/11/95 01:07:02
U	378.280	STD6	STD1-Blank	.102127	16.9622	09/11/95 01:07:02
V	292.402	STD5	STD1-Blank	.623688	.157878	09/11/95 01:07:02
W	224.875	STD9	STD1-Blank	.065854	.473267	09/11/95 01:07:02
Y	371.030	STD5	STD1-Blank	.322370	.079722	09/11/95 01:07:02
Zn	213.800	STD2	STD1-Blank	1.53067	.022125	09/11/95 01:07:02
Zr	339.100	STD2	STD1-Blank	.533191	.152603	09/11/95 01:07:02

Standardization Readback Report Mon 09-11-95 01:09:25 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	.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	.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	.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 Mon 09-11-95 01:09:25 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	-.000001	.000001
		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

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 Mon 09-11-95 01:09:25 PM page

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr	421.500	STD1-Blank	.000000	-.000000	.000000
		STD2	10.0000	10.00000	.000001

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
		STD6	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 Mon 09-11-95 01:13:02 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 13:11:43
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)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	.0017	-.0012	.0115	-.0001	.0000	-.0054
SDev	.0005	.0051	.0050	.0002	.0001	.0000	.0052
%RSD	934.8	308.7	418.2	1.678	84.80	19530.	96.42
#1	.0001	-.0032	-.0066	.0117	-.0000	.0000	.0004
#2	.0004	.0070	-.0002	.0114	-.0000	.0000	-.0070
#3	-.0007	.0012	.0032	.0113	-.0002	-.0000	-.0096

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0069	.0002	.0111	-.0004	-.0013	.0083	.0000
SDev	.0008	.0014	.0084	.0005	.0012	.0006	.0009
%RSD	10.97	804.1	75.98	108.1	92.74	7.577	1862.
#1	-.0071	-.0012	.0073	-.0008	-.0026	.0079	-.0006
#2	-.0061	.0016	.0208	.0001	-.0011	.0090	.0011
#3	-.0076	.0000	.0052	-.0006	-.0002	.0079	-.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0011	-.0000	.0009	-.0006	-.0034	.0003
SDev	.0002	.0006	.1051	.0007	.0010	.0078	.0003
%RSD	102.3	51.66	9514000.	78.61	158.2	231.7	100.2
#1	.0001	-.0017	-.0116	.0001	-.0010	-.0026	.0004
#2	.0004	-.0005	.1104	.0015	.0005	.0040	.0005
#3	.0001	-.0012	-.0988	.0011	-.0014	-.0115	-.0000

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0028	.0023	-.0002	.0082	.0021	.0086
SDev	.0013	.0072	.0053	.0010	.0022	.0044	.0067
%RSD	398.0	259.8	232.1	444.5	26.85	203.9	77.33
#1	-.0015	.0070	.0011	.0006	.0107	.0066	.0115
#2	-.0006	.0069	.0081	-.0000	.0067	.0020	.0133
#3	.0011	-.0056	-.0023	-.0013	.0072	-.0022	.0010

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	.0045	-.0055	.5820	.0146	.0002	-.0014
SDev	.0054	.0067	.0069	.0525	.0022	.0001	.0041
%RSD	109.4	149.8	124.5	9.019	14.89	33.24	289.5
#1	.0058	-.0006	.0019	.6352	.0137	.0002	.0018
#2	.0099	.0121	-.0117	.5807	.0170	.0002	-.0000
#3	-.0008	.0020	-.0067	.5302	.0130	.0001	-.0060

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0001	.0059	.0084	-.0007	.0014	-.0000
SDev	.0019	.0001	.0072	.0488	.0006	.0056	.0003

Analysis Report Mon 09-11-95 01:13:02 PM page

%RSD	133.1	47.78	122.2	578.9	82.44	391.3	1713.
#1	.0026	.0002	.0083	-.0108	-.0009	-.0026	-.0000
#2	-.0008	.0001	-.0022	.0639	-.0001	.0079	.0003
#3	.0025	.0001	.0115	-.0278	-.0012	-.0009	-.0003

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0009	-.0004
SDev	.0002	.0003
%RSD	22.16	72.86
#1	-.0007	-.0003
#2	-.0008	-.0001
#3	-.0011	-.0007

Analysis Report QC Standard Mon 09-11-95 01:15:03 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 13:13:44
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Fail-K DBY 9/11/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4812	25.18	2.594	2.000	.5031	.0943	24.36
SDev	.0020	.15	.007	.016	.0029	.0004	.09
%RSD	.4197	.6110	.2716	.7981	.5833	.3815	.3755
#1	.4796	25.07	2.588	1.991	.5010	.0940	24.31
#2	.4835	25.35	2.592	2.019	.5065	.0947	24.47
#3	.4804	25.11	2.602	1.992	.5019	.0941	24.30
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	.4980	-.0158	1.015	1.015	1.002	.0012
SDev	.05	.0019	.0053	.002	.001	.003	.0009
%RSD	.2091	.3925	33.92	.1888	.0539	.3430	73.24
#1	24.87	.4966	-.0135	1.013	1.015	.9983	.0019
#2	24.97	.4972	-.0219	1.016	1.015	1.005	.0002
#3	24.88	.5002	-.0119	1.016	1.016	1.001	.0016
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	.0025	20.20	Q28.06	.0058	2.030	26.31	.5115
SDev	.0001	.05	.56	.0009	.037	.10	.0014
%RSD	5.471	.2498	1.993	14.92	1.815	.3645	.2704
#1	.0027	20.16	Q27.71	.0066	2.005	26.25	.5116
#2	.0024	20.26	Q28.70	.0049	2.073	26.42	.5128
#3	.0025	20.18	Q27.76	.0060	2.013	26.27	.5101
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	1.015	25.48	.0208	1.044	.0681	2.609	.0118
SDev	.002	.51	.0043	.002	.0171	.006	.0185
%RSD	.2079	2.011	20.77	.1525	25.09	.2437	156.5
#1	1.012	25.15	.0246	1.043	.0556	2.616	.0289
#2	1.016	26.07	.0161	1.044	.0611	2.604	-.0078
#3	1.016	25.23	.0216	1.046	.0876	2.607	.0143
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 Mon 09-11-95 01:15:03 PM page 7

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0106	2.552	2.468	19.20	-.0273	.5070	.0017
SDev	.0059	.000	.007	.08	.0244	.0032	.0060
%RSD	55.62	.0111	.2821	.4082	89.36	.6414	346.3
#1	.0149	2.552	2.460	19.17	-.0088	.5045	-.0022
#2	.0039	2.552	2.473	19.29	-.0549	.5107	-.0012
#3	.0130	2.552	2.470	19.15	-.0181	.5058	.0086
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	.0421	.9861	2.483	.2212	.9971	.0349	.0006
SDev	.0037	.0038	.007	.0759	.0035	.0001	.0004
%RSD	8.894	.3872	.2703	34.31	.3520	.1834	74.93
#1	.0456	.9834	2.479	.2616	.9945	.0349	.0007
#2	.0426	.9904	2.491	.1336	1.001	.0350	.0001
#3	.0382	.9843	2.479	.2683	.9957	.0348	.0010
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	2.019
SDev	.003	.011
%RSD	.2929	.5330
#1	1.012	2.013
#2	1.008	2.032
#3	1.006	2.013
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Mon 09-11-95 01:26:12 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 13:24:53
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Fail 12 9/11

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4853	25.09	2.599	1.992	.5091	.0950	24.56
SDev	.0012	.14	.006	.002	.0013	.0002	.07
%RSD	.2535	.5555	.2461	.0962	.2586	.2421	.2691
#1	.4857	25.25	2.605	1.990	.5107	.0951	24.60
#2	.4839	25.05	2.592	1.994	.5085	.0948	24.49
#3	.4863	24.98	2.601	1.992	.5083	.0952	24.59
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	24.79	.4964	-.0326	1.020	1.026	1.005	-.0006
SDev	.07	.0034	.0095	.003	.006	.003	.0011
%RSD	.2660	.6754	29.23	.3270	.5973	.3445	174.6
#1	24.78	.4925	-.0409	1.022	1.024	1.008	-.0015
#2	24.74	.4986	-.0346	1.016	1.021	1.001	-.0009
#3	24.87	.4980	-.0222	1.022	1.033	1.005	.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	.0020	20.32	Q28.78	.0028	2.079	26.51	.5090
SDev	.0003	.05	.88	.0009	.053	.07	.0010
%RSD	15.88	.2656	3.056	32.71	2.555	.2656	.1939
#1	.0017	20.33	Q29.48	.0018	2.132	26.59	.5096
#2	.0019	20.27	Q29.08	.0029	2.079	26.45	.5079
#3	.0023	20.37	Q27,79	.0037	2.026	26.50	.5097
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	1.021	26.65	.0069	1.044	.0414	2.601	-.0323
SDev	.005	.75	.0041	.007	.0100	.009	.0114
%RSD	.4601	2.816	59.46	.7150	24.30	.3402	35.17
#1	1.017	27.30	.0028	1.036	.0495	2.596	-.0445
#2	1.019	26.82	.0068	1.046	.0301	2.595	-.0302
#3	1.026	25.83	.0110	1.050	.0444	2.611	-.0221
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 Mon 09-11-95 01:26:12 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	-.0066	2.555	2.489	19.10	-.2107	.5139	-.0075
SDev	.0059	.012	.014	.03	.0256	.0021	.0037
%RSD	89.12	.4866	.5509	.1747	12.14	.4109	49.94
#1	-.0132	2.547	2.476	19.14	-.2391	.5163	-.0113
#2	-.0047	2.549	2.503	19.08	-.1894	.5125	-.0039
#3	-.0019	2.569	2.488	19.09	-.2036	.5129	-.0072
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	.9932	2.496	-.0212	1.004	.0198	.0002
SDev	.0034	.0026	.016	.0823	.003	.0056	.0001
%RSD	7.810	.2657	.6317	389.3	.2776	28.16	58.53
#1	.0447	.9951	2.479	-.1156	1.005	.0245	.0001
#2	.0395	.9902	2.499	.0354	1.001	.0213	.0003
#3	.0458	.9944	2.510	.0168	1.007	.0136	.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	1.010	2.037
SDev	.001	.004
%RSD	.1051	.2206
#1	1.009	2.042
#2	1.010	2.033
#3	1.011	2.036
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Standardization Rpt. Mon 09-11-95 01:29:47 PM page 1

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.6570	.2112	.1696	.1245	.0307	.0174	.1460
SDev	.0014	.0005	.0018	.0021	.0000	.0001	.0002
%RSD	.2133	.2430	1.088	1.648	.0000	.3324	.1426
#1	.6571	.2116	.1691	.1246	.0307	.0174	.1459
#2	.6556	.2106	.1680	.1265	.0307	.0173	.1458
#3	.6584	.2113	.1716	.1224	.0307	.0174	.1462

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1292	.0438	.6293	.1432	.0464	.0469	.1949
SDev	.0003	.0004	.0042	.0004	.0008	.0002	.0006
%RSD	.2364	.9952	.6615	.2643	1.711	.4921	.3338
#1	.1295	.0443	.6340	.1435	.0461	.0472	.1956
#2	.1289	.0436	.6260	.1434	.0473	.0468	.1943
#3	.1293	.0435	.6280	.1428	.0458	.0468	.1949

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0339	.0568	.2151	.0992	.0420	.2390	.0200
SDev	.0001	.0001	.0004	.0003	.0001	.0020	.0001
%RSD	.1705	.2688	.2097	.2667	.1376	.8358	.5783
#1	.0339	.0570	.2155	.0991	.0419	.2400	.0199
#2	.0338	.0567	.2146	.0990	.0420	.2367	.0199
#3	.0339	.0568	.2151	.0995	.0420	.2403	.0201

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0818	.0414	.3675	.0475	.1317	1.352	1.539
SDev	.0004	.0003	.0013	.0003	.0037	.005	.002
%RSD	.4939	.7373	.3600	.7293	2.787	.3878	.1605
#1	.0819	.0415	.3690	.0473	.1294	1.358	1.541
#2	.0814	.0411	.3665	.0473	.1297	1.349	1.537
#3	.0822	.0417	.3670	.0479	.1359	1.350	1.538

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.523	.2667	.1551	.4165	.6837	.0145	.9973
SDev	.005	.0013	.0013	.0016	.0021	.0001	.0080
%RSD	.3564	.4993	.8162	.3829	.3013	.3991	.8069
#1	1.526	.2656	.1561	.4183	.6860	.0145	1.006
#2	1.517	.2682	.1556	.4157	.6821	.0144	.9898
#3	1.526	.2664	.1537	.4154	.6829	.0145	.9963

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.2362	.0650	.0350	1.728	.0978	.0311	.0255
SDev	.0017	.0002	.0002	.004	.0001	.0002	.0001
%RSD	.7100	.3204	.5942	.2563	.1180	.7418	.2261
#1	.2373	.0652	.0351	1.733	.0977	.0314	.0255
#2	.2371	.0648	.0352	1.727	.0979	.0310	.0255
#3	.2343	.0649	.0348	1.725	.0979	.0310	.0256

Elem	Zn	Zr
Avge	.0333	.0810
SDev	.0011	.0003

%RSD	3.303	.4277
#1	.0322	.0812
#2	.0344	.0806
#3	.0333	.0812

Standardization Rpt. Mon 09-11-95 01:31:18 PM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	77.06	52.78	82.56	10.29	3.255	14.44	7.413
SDev	.53	.24	.23	.05	.055	.28	.019
%RSD	.6930	.4544	.2755	.4489	1.691	1.918	.2496
#1	76.47	52.51	82.31	10.23	3.194	14.14	7.392
#2	77.51	52.97	82.61	10.31	3.301	14.69	7.424
#3	77.19	52.86	82.76	10.31	3.271	14.50	7.424

Elem	P
Avge	14.62
SDev	.07
%RSD	.4959
#1	14.53
#2	14.66
#3	14.65

Analysis Report Mon 09-11-95 01:35:25 PM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 13:34:06
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0097	-.0080	.0100	.0002	-.0000	-.0047
SDev	.0005	.0015	.0034	.0015	.0003	.0000	.0027
%RSD	1315.	15.93	42.80	15.34	155.2	6.534	58.20
#1	.0005	.0106	-.0042	.0092	.0002	-.0000	-.0016
#2	.0001	.0106	-.0107	.0117	.0004	-.0000	-.0059
#3	-.0005	.0079	-.0093	.0089	-.0001	-.0000	-.0066

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0006	-.0051	.0002	.0012	-.0016	.0000
SDev	.0013	.0002	.0021	.0004	.0013	.0010	.0006
%RSD	28.85	38.60	40.63	194.9	110.3	58.53	13270.
#1	.0049	.0003	-.0028	-.0002	.0025	-.0013	.0003
#2	.0031	.0007	-.0066	.0005	-.0001	-.0009	-.0006
#3	.0057	.0008	-.0061	.0003	.0012	-.0027	.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0012	-.0493	-.0003	.0014	-.0037	.0002
SDev	.0002	.0007	.0414	.0007	.0010	.0045	.0000
%RSD	196.6	54.22	83.88	205.8	72.14	119.8	2.612
#1	-.0003	-.0005	-.0439	-.0005	.0008	-.0072	.0002
#2	.0001	-.0013	-.0110	.0004	.0008	.0013	.0002
#3	-.0001	-.0019	-.0932	-.0009	.0025	-.0053	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0112	-.0033	.0011	-.0034	-.0039	-.0053
SDev	.0018	.0170	.0014	.0008	.0059	.0040	.0102
%RSD	186.5	152.2	42.06	74.54	172.1	101.7	192.9
#1	-.0012	-.0266	-.0019	.0019	-.0080	.0006	.0017
#2	.0009	-.0139	-.0035	.0010	-.0055	-.0056	-.0006
#3	-.0026	.0070	-.0046	.0003	.0032	-.0068	-.0170

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	-.0126	-.0016	-.0240	.0118	-.0002	.0041
SDev	.0052	.0016	.0093	.0048	.0061	.0000	.0050
%RSD	277.3	12.92	575.7	19.95	51.30	.8701	121.1
#1	.0021	-.0142	-.0067	-.0224	.0058	-.0002	.0084
#2	.0000	-.0110	-.0073	-.0294	.0118	-.0002	-.0014
#3	-.0077	-.0126	.0091	-.0202	.0179	-.0002	.0053

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	-.0003	-.0075	-.0377	-.0003	-.0004	-.0001
SDev	.0015	.0001	.0052	.0217	.0003	.0052	.0005

%RSD	256.5	46.00	68.91	57.67	96.92	1218.	684.9
#1	-.0007	-.0003	-.0035	-.0411	.0000	-.0035	-.0004
#2	.0023	-.0002	-.0056	-.0575	-.0003	.0056	-.0004
#3	.0002	-.0005	-.0134	-.0144	-.0005	-.0033	.0005

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0003	-.0008
SDev	.0002	.0001
%RSD	54.41	16.60
#1	.0005	-.0007
#2	.0001	-.0009
#3	.0005	-.0009

Analysis Report QC Standard Mon 09-11-95 01:37:25 PM page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 13:36:06
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS RW 9/11/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4751	24.02	2.549	1.911	.4914	.0924	23.87
SDev	.0180	1.30	.119	.100	.0302	.0047	1.20
%RSD	3.779	5.424	4.652	5.233	6.144	5.112	5.030
#1	.4874	24.94	2.637	1.984	.5126	.0956	24.71
#2	.4835	24.59	2.595	1.953	.5048	.0946	24.40
#3	.4545	22.53	2.414	Q1.797	.4568	Q.0870	Q22.49
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	24.27	.4841	-.0050	.9983	.9973	.9677	.0032
SDev	.97	.0181	.0329	.0381	.0437	.0534	.0042
%RSD	4.017	3.746	663.9	3.811	4.386	5.518	132.2
#1	24.92	.4974	-.0289	1.022	1.029	1.004	.0003
#2	24.74	.4915	-.0186	1.018	1.015	.9928	.0013
#3	23.15	.4634	.0326	.9544	.9474	.9064	.0081
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	.0029	19.79	26.70	.0096	1.884	25.81	.4956
SDev	.0012	.96	1.13	.0066	.138	1.23	.0232
%RSD	41.35	4.837	4.228	68.92	7.305	4.776	4.675
#1	.0020	20.43	Q27.52	.0055	1.984	26.65	.5113
#2	.0023	20.24	27.17	.0061	1.941	26.38	.5064
#3	.0042	18.69	25.41	.0172	Q1.727	24.40	.4690
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	1.001	25.25	.0335	1.030	.0675	2.565	.0346
SDev	.042	1.83	.0236	.044	.0073	.074	.0755
%RSD	4.243	7.230	70.39	4.283	10.75	2.872	217.9
#1	1.029	26.65	.0151	1.057	.0604	2.619	-.0262
#2	1.021	25.91	.0254	1.053	.0749	2.595	.0110
#3	.9517	23.18	.0601	.9786	.0672	2.481	.1191
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 Mon 09-11-95 01:37:25 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	.0265	2.505	2.435	18.66	-.1188	.4961	.0098
SDev	.0328	.110	.118	.89	.0942	.0296	.0221
%RSD	123.9	4.389	4.844	4.749	79.26	5.962	226.6
#1	.0022	2.569	2.515	19.27	-.1805	.5169	-.0077
#2	.0135	2.568	2.490	19.06	-.1655	.5091	.0023
#3	.0638	2.378	2.299	Q17.64	-.0104	.4623	.0346
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	.0413	.9645	2.442	.4270	.9792	.0380	.0016
SDev	.0060	.0512	.101	.4235	.0455	.0101	.0018
%RSD	14.52	5.305	4.130	99.19	4.651	26.69	110.4
#1	.0471	.9994	2.497	.1215	1.010	.0269	.0003
#2	.0351	.9883	2.504	.2491	1.001	.0403	.0009
#3	.0418	.9057	2.326	.9105	.9269	.0467	.0037
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	.9881	1.979
SDev	.0414	.103
%RSD	4.188	5.214
#1	1.018	2.051
#2	1.005	2.025
#3	.9409	1.861
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report

Mon 09-11-95 01:41:08 PM page 1

Method: ICP1 Sample Name: SST-ICS-0 950908I100 Operator: DRS
Run Time: 09/11/95 13:39:48
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)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	98.43	.1187	-.0051	-.0001	.0007	.0431
SDev	.0009	.54	.0044	.0005	.0002	.0000	.0048
%RSD	8.065	.5459	3.669	10.05	345.7	1.683	11.07
#1	-.0121	99.05	.1141	-.0046	-.0003	.0007	.0479
#2	-.0115	98.16	.1192	-.0056	.0001	.0007	.0431
#3	-.0103	98.08	.1228	-.0052	.0001	.0007	.0384

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0634	.0088	-.1487	.0027	.0365	-.0052	-.0044
SDev	.0015	.0015	.0059	.0004	.0018	.0012	.0012
%RSD	2.326	16.53	3.936	16.48	4.825	22.52	27.74
#1	.0618	.0072	-.1552	.0022	.0372	-.0065	-.0057
#2	.0637	.0091	-.1470	.0027	.0378	-.0045	-.0039
#3	.0647	.0101	-.1439	.0031	.0345	-.0045	-.0035

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	20.03	.0110	.0004	.0021	.2590	.0008
SDev	.0002	.01	.0844	.0008	.0011	.0067	.0002
%RSD	92.92	.0648	769.9	226.1	51.27	2.585	24.36
#1	.0000	20.03	-.0603	-.0006	.0018	.2580	.0009
#2	.0002	20.05	.1042	.0008	.0032	.2529	.0006
#3	.0005	20.02	-.0110	.0009	.0011	.2661	.0009

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	.0067	-.0262	51.96	.0234	.1891	-.4481
SDev	.0009	.0112	.0043	.06	.0099	.0110	.0094
%RSD	14.52	165.5	16.52	.1089	42.32	5.828	2.100
#1	.0062	.0150	-.0311	51.91	.0225	.1764	-.4552
#2	.0075	-.0060	-.0231	52.02	.0140	.1944	-.4516
#3	.0057	.0112	-.0244	51.94	.0337	.1964	-.4374

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0458	-.0111	.0224	-.0092	-.2614	-.0004	-.0096
SDev	.0063	.0077	.0078	.0044	.0313	.0000	.0074
%RSD	13.83	69.08	34.81	47.52	11.96	2.777	76.95
#1	-.0520	-.0177	.0177	-.0142	-.2967	-.0004	-.0182
#2	-.0459	-.0128	.0181	-.0062	-.2505	-.0004	-.0058
#3	-.0394	-.0027	.0313	-.0072	-.2371	-.0004	-.0049

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6946	.0004	.2128	51.36	.0014	.0555	.0038
SDev	.0079	.0002	.0038	.14	.0005	.0035	.0002

Analysis Report Mon 09-11-95 01:41:08 PM page 2

%RSD	1.143	53.35	1.789	.2818	34.39	6.317	6.228
#1	.6882	.0001	.2172	51.50	.0009	.0514	.0035
#2	.7035	.0005	.2105	51.36	.0018	.0574	.0039
#3	.6922	.0005	.2108	51.21	.0016	.0575	.0040

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0307	10.06
SDev	.0020	.01
%RSD	6.654	.1196
#1	-.0299	10.06
#2	-.0330	10.06
#3	-.0292	10.04

Analysis Report Mon 09-11-95 01:45:57 PM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 13:44:38
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)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	-.0037	.0015	-.0043	.0001	-.0000	-.0077
SDev	.0001	.0028	.0067	.0013	.0001	.0000	.0022
%RSD	31.60	77.76	447.0	30.12	85.35	188.0	28.24
#1	.0002	-.0044	-.0054	-.0040	.0001	-.0000	-.0053
#2	.0003	-.0061	.0017	-.0058	.0000	-.0000	-.0084
#3	.0004	-.0005	.0081	-.0032	.0001	.0000	-.0095

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0052	.0007	-.0046	.0002	.0020	-.0025	.0000
SDev	.0006	.0012	.0048	.0005	.0010	.0006	.0003
%RSD	10.79	184.3	103.5	246.9	48.22	23.48	1278.
#1	-.0048	.0014	-.0076	.0007	.0017	-.0028	.0000
#2	-.0058	.0014	-.0071	-.0004	.0012	-.0018	-.0003
#3	-.0049	-.0008	.0009	.0003	.0031	-.0027	.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0007	-.0055	-.0002	-.0007	-.0026	-.0005
SDev	.0001	.0004	.0685	.0006	.0004	.0068	.0002
%RSD	27200.	56.72	1248.	332.0	57.87	260.5	36.90
#1	.0000	-.0007	-.0274	-.0001	-.0002	.0016	-.0004
#2	-.0001	-.0011	-.0603	-.0009	-.0009	.0011	-.0008
#3	.0001	-.0003	.0713	.0004	-.0009	-.0105	-.0005

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0014	.0006	.0049	.0111	-.0057	-.0050
SDev	.0004	.0152	.0015	.0005	.0148	.0027	.0061
%RSD	37.67	1106.	233.8	9.607	132.8	47.22	122.6
#1	-.0005	-.0140	.0019	.0054	.0249	-.0027	.0003
#2	-.0012	-.0055	-.0010	.0048	.0129	-.0066	-.0116
#3	-.0012	.0155	.0010	.0045	-.0045	-.0079	-.0036

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	-.0085	.0009	-.0453	.0138	-.0001	.0007
SDev	.0054	.0052	.0056	.0058	.0060	.0001	.0070
%RSD	469.6	61.74	630.6	12.83	43.47	56.48	1065.
#1	.0011	-.0051	.0018	-.0515	.0198	-.0001	.0050
#2	-.0042	-.0145	.0060	-.0445	.0078	-.0002	-.0075
#3	.0066	-.0058	-.0052	-.0400	.0139	-.0001	.0045

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	.0000	-.0071	-.0064	-.0000	-.0000	.0003
SDev	.0062	.0002	.0032	.0371	.0004	.0053	.0002

%RSD	401.4	4390.	45.15	582.0	981.8	29770.	51.01
#1	-.0057	.0000	-.0104	.0364	.0001	-.0006	.0005
#2	-.0045	-.0002	-.0040	-.0296	-.0005	.0056	.0002
#3	.0056	.0002	-.0068	-.0258	.0003	-.0051	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0004	.0004
SDev	.0004	.0006
%RSD	107.0	135.1
#1	.0006	.0009
#2	-.0001	.0005
#3	.0006	-.0002

Analysis Report Mon 09-11-95 01:50:30 PM page 1

Method: ICP1 Sample Name: 95-007941-C3 Operator: DRS
Run Time: 09/11/95 13:49:10
Comment: METHOD BLANK (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	.0324	.0120	.0089	.0024	.0002	.0191
SDev	.0004	.0054	.0070	.0008	.0003	.0000	.0093
%RSD	5.752	16.55	57.79	9.497	10.12	4.509	48.58
#1	.0065	.0264	.0192	.0094	.0022	.0002	.0238
#2	.0068	.0341	.0116	.0093	.0024	.0002	.0084
#3	.0073	.0367	.0053	.0079	.0027	.0002	.0251

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7969	.0023	.0611	.0048	.0012	.0057	.0074
SDev	.0084	.0016	.0027	.0006	.0023	.0014	.0003
%RSD	1.049	71.45	4.449	12.23	182.9	23.79	3.745
#1	.8061	.0034	.0587	.0042	.0023	.0073	.0073
#2	.7947	.0030	.0606	.0049	-.0014	.0046	.0073
#3	.7898	.0004	.0641	.0054	.0028	.0053	.0078

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0102	1.799	.0134	.0067	.2515	.0008
SDev	.0002	.0006	.076	.0003	.0012	.0021	.0000
%RSD	6.962	5.701	4.225	2.047	17.96	.8135	1.914
#1	.0023	.0095	1.711	.0136	.0053	.2527	.0009
#2	.0023	.0106	1.843	.0136	.0074	.2491	.0009
#3	.0026	.0104	1.843	.0131	.0074	.2527	.0008

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.3893	.0515	.0027	.2544	.0296	.1405
SDev	.0006	.0160	.0059	.0003	.0082	.0029	.0064
%RSD	39.45	4.101	11.48	11.12	3.235	9.909	4.534
#1	.0013	.4076	.0458	.0027	.2477	.0312	.1353
#2	.0009	.3824	.0510	.0024	.2519	.0262	.1385
#3	.0020	.3780	.0576	.0030	.2636	.0315	.1476

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0610	.0134	.0232	.1000	.1361	.0040	.0207
SDev	.0018	.0040	.0114	.0054	.0238	.0001	.0017
%RSD	3.021	29.53	49.24	5.413	17.49	1.575	8.112
#1	.0625	.0171	.0342	.1061	.1293	.0041	.0222
#2	.0589	.0139	.0240	.0959	.1165	.0040	.0211
#3	.0615	.0092	.0114	.0980	.1626	.0041	.0189

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0054	.0034	.0126	.7738	.0055	.0089	.0027
SDev	.0100	.0001	.0078	.0493	.0007	.0034	.0003

Analysis Report Mon 09-11-95 01:50:30 PM page 2

%RSD	186.4	4.139	61.40	6.365	13.39	38.31	12.83
#1	-.0089	.0032	.0144	.7597	.0050	.0069	.0029
#2	.0059	.0035	.0193	.7331	.0052	.0070	.0023
#3	-.0131	.0033	.0041	.8286	.0064	.0129	.0028

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0023	.0055
SDev	.0000	.0010
%RSD	1.777	17.55
#1	.0023	.0052
#2	.0023	.0047
#3	.0022	.0065

Analysis Report Mon 09-11-95 01:54:55 PM page 1

Method: ICP1 Sample Name: 95-007941-C1 @5 Operator: DRS
Run Time: 09/11/95 13:53:36
Comment: SLUDGE SAMPLE @5X DIL (BY-108 WATER LEACH)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	5.637	.0202	.0156	.0003	.0000	-.0072
SDev	.0004	.029	.0038	.0010	.0001	.0000	.0044
%RSD	170.7	.5120	18.91	6.753	24.44	9.849	60.94
#1	.0003	5.627	.0237	.0162	.0002	.0000	-.0044
#2	-.0002	5.669	.0161	.0163	.0002	.0000	-.0122
#3	.0005	5.614	.0209	.0144	.0004	.0000	-.0049

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0537	.0015	.0032	.0023	.0944	.0042	-.0002
SDev	.0010	.0010	.0034	.0009	.0019	.0006	.0003
%RSD	1.877	69.67	104.4	37.91	2.031	15.20	175.3
#1	.0532	.0005	.0071	.0033	.0932	.0049	.0002
#2	.0549	.0026	.0018	.0023	.0966	.0037	-.0005
#3	.0531	.0013	.0008	.0015	.0933	.0039	-.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0742	.8830	.0007	.0557	.0307	.0012
SDev	.0000	.0003	.0475	.0007	.0016	.0057	.0002
%RSD	24.02	.4151	5.379	101.6	2.811	18.67	18.09
#1	-.0001	.0739	.9378	.0002	.0572	.0357	.0014
#2	-.0001	.0745	.8556	.0003	.0558	.0318	.0013
#3	-.0001	.0743	.8556	.0014	.0541	.0245	.0010

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	186.2	.0045	.1029	42.81	.0001	.0049
SDev	.0016	2.6	.0026	.0029	.15	.0030	.0041
%RSD	52.33	1.414	57.87	2.791	.3502	2993.	83.70
#1	.0043	187.9	.0074	.1031	42.69	.0027	.0062
#2	.0013	187.6	.0032	.0999	42.98	.0008	.0003
#3	.0037	183.2	.0027	.1056	42.76	-.0032	.0081

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0018	.0051	.5340	-.0048	.0013	.0036
SDev	.0038	.0044	.0041	.0320	.0232	.0001	.0053
%RSD	1810.	243.9	79.75	5.988	481.2	5.094	145.8
#1	-.0030	.0030	.0057	.5007	.0161	.0014	.0086
#2	.0041	-.0057	.0008	.5368	-.0298	.0013	.0042
#3	-.0018	-.0027	.0088	.5645	-.0008	.0013	-.0019

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0029	.0011	.0131	.0136	.0705	.0202	-.0002
SDev	.0010	.0003	.0059	.0486	.0006	.0078	.0002

Analysis Report

Mon 09-11-95 01:54:55 PM

%RSD	33.57	25.97	45.38	357.5	.7911	38.63	79.47
#1	-.0023	.0015	.0131	.0105	.0699	.0288	-.0000
#2	-.0023	.0010	.0189	-.0334	.0709	.0137	-.0003
#3	-.0040	.0009	.0071	.0637	.0708	.0181	-.0003

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0016	.0007
SDev	.0003	.0001
%RSD	20.31	19.51
#1	.0013	.0009
#2	.0016	.0007
#3	.0019	.0006

Analysis Report Mon 09-11-95 01:58:37 PM page

Method: ICP1 Sample Name: 95-007941-C1 Operator: DRS
Run Time: 09/11/95 13:57:18
Comment: SLUDGE SAMPLE (BY-108 WATER LEACH)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	29.04	.1301	.0901	.0014	.0004	.0129
SDev	.0006	.03	.0022	.0021	.0001	.0000	.0050
%RSD	30.49	.1046	1.717	2.299	4.938	6.948	38.21
#1	.0022	29.01	.1321	.0885	.0014	.0004	.0108
#2	.0027	29.05	.1306	.0924	.0014	.0004	.0186
#3	.0014	29.07	.1277	.0894	.0013	.0003	.0094

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2146	.0012	.0120	.0158	.4862	.0342	.0012
SDev	.0013	.0005	.0015	.0004	.0057	.0008	.0002
%RSD	.5858	45.86	12.35	2.404	1.163	2.360	19.50
#1	.2146	.0008	.0136	.0161	.4848	.0333	.0013
#2	.2159	.0009	.0117	.0154	.4814	.0349	.0014
#3	.2134	.0018	.0107	.0160	.4925	.0342	.0009

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.3076	4.782	.0030	.2839	.0902	.0040
SDev	.0001	.0014	.140	.0010	.0054	.0023	.0001
%RSD	13.99	.4514	2.926	33.52	1.920	2.578	3.010
#1	.0007	.3063	4.837	.0038	.2857	.0898	.0039
#2	.0007	.3091	4.887	.0034	.2882	.0927	.0041
#3	.0005	.3074	4.623	.0019	.2777	.0881	.0040

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0239	933.3	.0122	.5294	227.2	.0282	.0303
SDev	.0003	6.7	.0027	.0027	.9	.0056	.0095
%RSD	1.366	.7190	21.88	.5177	.3758	19.74	31.59
#1	.0239	935.3	.0120	.5305	226.5	.0324	.0290
#2	.0237	938.8	.0150	.5263	227.0	.0304	.0404
#3	.0243	925.8	.0097	.5315	228.1	.0219	.0214

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0172	.0083	.0221	1.809	.0660	.0044	.0500
SDev	.0048	.0102	.0038	.015	.0146	.0001	.0039
%RSD	27.76	123.9	17.14	.8431	22.04	1.443	7.725
#1	.0126	.0006	.0252	1.795	.0540	.0044	.0545
#2	.0221	.0199	.0232	1.807	.0822	.0045	.0480
#3	.0169	.0043	.0179	1.826	.0619	.0044	.0476

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0045	.0856	.2242	.3671	.1557	.0004
SDev	.0018	.0002	.0032	.0318	.0027	.0119	.0002

%RSD	94.59	4.395	3.677	14.19	.7299	7.665	45.77
#1	.0009	.0044	.0883	.2067	.3640	.1466	.0005
#2	.0009	.0047	.0821	.2609	.3682	.1692	.0005
#3	.0041	.0044	.0864	.2049	.3690	.1512	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0044	.0009
SDev	.0007	.0005
%RSD	16.56	54.82
#1	.0042	.0011
#2	.0037	.0013
#3	.0051	.0003

Analysis Report Mon 09-11-95 02:03:55 PM page

Method: ICP1 Sample Name: 95-007941-C2 @5 Operator: DRS
Run Time: 09/11/95 14:02:36
Comment: SLUDGE SAMPLE DUPLICATE @5X DIL(BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	5.558	.0180	.0091	-.0001	.0000	.0005
SDev	.0007	.021	.0055	.0014	.0001	.0000	.0083
%RSD	65.74	.3822	30.63	15.88	99.89	104.3	1581.
#1	-.0013	5.553	.0233	.0083	-.0001	.0000	.0101
#2	-.0003	5.540	.0185	.0108	.0000	.0000	-.0044
#3	-.0017	5.582	.0123	.0082	-.0002	.0000	-.0041

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0477	.0001	-.0020	.0014	.0900	.0068	-.0013
SDev	.0009	.0016	.0059	.0012	.0012	.0005	.0009
%RSD	1.969	1245.	288.1	82.80	1.357	6.810	74.20
#1	.0471	.0016	.0030	.0010	.0912	.0069	-.0008
#2	.0487	.0004	-.0007	.0027	.0901	.0072	-.0007
#3	.0471	-.0016	-.0085	.0005	.0888	.0063	-.0024

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0648	.6910	-.0013	.0597	.0198	.0008
SDev	.0001	.0001	.0855	.0005	.0011	.0018	.0002
%RSD	56.63	.1198	12.37	40.67	1.868	9.111	28.05
#1	-.0002	.0647	.7404	-.0015	.0610	.0197	.0010
#2	-.0000	.0649	.7404	-.0007	.0589	.0217	.0006
#3	-.0002	.0648	.5923	-.0017	.0593	.0181	.0008

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	170.6	-.0039	.0965	32.85	-.0061	-.0139
SDev	.0007	2.1	.0016	.0015	.01	.0013	.0120
%RSD	27.21	1.251	39.97	1.560	.0369	20.97	86.88
#1	.0026	172.0	-.0028	.0948	32.86	-.0069	-.0130
#2	.0029	168.2	-.0032	.0976	32.84	-.0046	-.0022
#3	.0017	171.7	-.0057	.0971	32.85	-.0068	-.0263

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0092	-.0097	-.0022	.5031	-.0344	.0011	-.0039
SDev	.0036	.0045	.0064	.0197	.0181	.0001	.0033
%RSD	38.72	46.22	290.0	3.910	52.69	5.468	84.08
#1	-.0071	-.0056	-.0094	.4843	-.0461	.0012	-.0072
#2	-.0072	-.0090	.0005	.5014	-.0135	.0012	-.0038
#3	-.0133	-.0145	.0023	.5235	-.0436	.0011	-.0006

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0006	.0111	-.0703	.0556	.0190	-.0005
SDev	.0064	.0003	.0036	.0738	.0007	.0044	.0003

%RSD	6996.	52.23	31.86	105.0	1.306	23.18	66.65
#1	.0073	.0004	.0092	-.0713	.0563	.0139	-.0003
#2	-.0022	.0010	.0152	.0040	.0556	.0213	-.0003
#3	-.0049	.0005	.0090	-.1437	.0549	.0217	-.0008

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0009	-.0013
SDev	.0003	.0006
%RSD	29.40	47.13
#1	.0007	-.0014
#2	.0012	-.0006
#3	.0007	-.0018

Analysis Report Mon 09-11-95 02:07:36 PM page 1

Method: ICP1 Sample Name: 95-007941-C2 Operator: DRS
Run Time: 09/11/95 14:06:16
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	28.04	.1205	.0633	.0014	.0003	.0080
SDev	.0006	.16	.0061	.0016	.0001	.0001	.0037
%RSD	20.22	.5552	5.033	2.612	8.170	17.81	46.83
#1	.0035	27.87	.1142	.0637	.0015	.0003	.0088
#2	.0027	28.08	.1211	.0615	.0014	.0003	.0112
#3	.0024	28.18	.1263	.0647	.0013	.0002	.0039

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2469	.0011	.0193	.0162	.4757	.0471	.0025
SDev	.0078	.0008	.0066	.0005	.0040	.0012	.0009
%RSD	3.168	69.61	34.40	2.825	.8452	2.521	36.93
#1	.2455	.0016	.0223	.0167	.4793	.0460	.0033
#2	.2399	.0015	.0240	.0159	.4713	.0471	.0027
#3	.2553	.0002	.0117	.0159	.4764	.0483	.0015

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.2883	4.563	.0047	.2924	.0967	.0039
SDev	.0001	.0025	.196	.0015	.0019	.0048	.0001
%RSD	6.551	.8748	4.302	33.17	.6543	4.999	3.199
#1	.0009	.2875	4.722	.0063	.2934	.0978	.0038
#2	.0010	.2864	4.623	.0046	.2937	.0914	.0040
#3	.0009	.2912	4.344	.0032	.2902	.1009	.0038

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0227	810.0	.0220	.4833	172.1	.0355	.0461
SDev	.0004	3.6	.0038	.0019	.6	.0050	.0196
%RSD	1.652	.4393	17.34	.4038	.3541	14.22	42.60
#1	.0223	806.1	.0257	.4842	171.5	.0413	.0686
#2	.0230	813.0	.0222	.4811	172.2	.0330	.0328
#3	.0227	810.8	.0181	.4847	172.7	.0322	.0368

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0205	-.0010	.0225	1.511	.0695	.0046	.0438
SDev	.0095	.0043	.0059	.009	.0050	.0001	.0026
%RSD	46.30	443.7	26.13	.5640	7.249	1.633	5.845
#1	.0308	-.0017	.0241	1.505	.0691	.0046	.0411
#2	.0183	.0036	.0274	1.507	.0747	.0046	.0462
#3	.0122	-.0048	.0160	1.521	.0646	.0047	.0440

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	.0047	.0776	.2980	.2912	.1489	.0008
SDev	.0063	.0001	.0082	.1206	.0006	.0060	.0001

Analysis Report

Mon 09-11-95 02:07:36 PM

%RSD	337.6	3.124	10.52	40.46	.1990	4.044	14.95
#1	-.0090	.0049	.0831	.4223	.2914	.1445	.0010
#2	.0027	.0046	.0816	.2903	.2906	.1464	.0007
#3	.0007	.0047	.0682	.1815	.2917	.1557	.0008

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0047	.0019
SDev	.0009	.0010
%RSD	19.36	51.61
#1	.0036	.0030
#2	.0053	.0015
#3	.0051	.0012

Analysis Report Mon 09-11-95 02:11:07 PM page

Method: ICP1 Sample Name: 95-007942-C1 @5 Operator: DRS
Run Time: 09/11/95 14:09:48
Comment: SLUDGE SAMPLE @5X DIL (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	14.16	.0242	.0077	.0003	.0001	-.0011
SDev	.0005	.07	.0013	.0007	.0002	.0000	.0118
%RSD	45.51	.5021	5.366	8.610	56.25	36.72	1113.
#1	-.0006	14.10	.0235	.0071	.0004	.0001	.0102
#2	-.0015	14.24	.0233	.0084	.0001	.0000	-.0134
#3	-.0011	14.13	.0256	.0077	.0005	.0001	.0000

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.125	-.0002	-.0041	.0030	.1341	-.0017	-.0007
SDev	.001	.0014	.0008	.0001	.0040	.0003	.0011
%RSD	.1190	927.6	19.07	4.951	2.957	18.15	146.9
#1	1.125	.0014	-.0037	.0030	.1348	-.0015	.0001
#2	1.124	-.0014	-.0035	.0031	.1376	-.0021	-.0019
#3	1.126	-.0005	-.0050	.0028	.1298	-.0016	-.0004

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0598	1.168	-.0016	.0009	.0108	.0000
SDev	.0002	.0005	.082	.0007	.0002	.0025	.0001
%RSD	74.41	.8965	7.042	44.16	21.81	23.50	340.1
#1	-.0000	.0598	1.250	-.0008	.0008	.0133	.0001
#2	-.0003	.0592	1.086	-.0019	.0012	.0108	.0000
#3	-.0002	.0603	1.168	-.0022	.0008	.0083	-.0000

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	461.3	.0001	.1414	1.417	.0033	-.0113
SDev	.0007	5.4	.0015	.0021	.023	.0052	.0119
%RSD	13.39	1.166	1762.	1.493	1.600	156.7	105.9
#1	.0056	457.0	.0019	.1400	1.440	.0004	-.0001
#2	.0043	467.3	-.0009	.1403	1.395	.0002	-.0238
#3	.0051	459.4	-.0007	.1438	1.416	.0094	-.0098

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0052	-.0018	-.0054	.3138	-.0206	.0019	-.0084
SDev	.0058	.0066	.0085	.0019	.0147	.0001	.0043
%RSD	112.5	374.4	158.5	.6137	71.44	3.161	50.91
#1	.0006	.0013	.0017	.3160	-.0068	.0020	-.0038
#2	-.0110	-.0093	-.0148	.3129	-.0361	.0019	-.0122
#3	-.0052	.0027	-.0029	.3125	-.0190	.0020	-.0091

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0046	-.0002	.0316	-.0726	.0002	.0220	-.0006
SDev	.0037	.0002	.0095	.0720	.0006	.0084	.0003

%RSD	80.98	92.63	29.89	99.18	312.0	38.30	44.07
#1	-.0035	-.0000	.0232	-.0549	.0007	.0274	-.0003
#2	-.0088	-.0003	.0299	-.1519	-.0004	.0262	-.0009
#3	-.0016	-.0002	.0418	-.0111	.0003	.0123	-.0007

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0167	-.0011
SDev	.0010	.0001
%RSD	6.122	7.168
#1	.0165	-.0011
#2	.0158	-.0011
#3	.0178	-.0012

Analysis Report Mon 09-11-95 02:15:21 PM page 1

Method: ICP1 Sample Name: 95-007942-C1 Operator: DRS
Run Time: 09/11/95 14:14:02
Comment: SLUDGE SAMPLE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0062	69.40	.1299	.0621	.0023	.0005	.0243
SDev	.0018	1.29	.0033	.0013	.0004	.0000	.0027
%RSD	28.87	1.858	2.575	2.016	19.21	7.888	11.04
#1	.0051	70.32	.1263	.0617	.0020	.0005	.0215
#2	.0052	69.95	.1330	.0635	.0021	.0005	.0268
#3	.0082	67.92	.1303	.0610	.0028	.0005	.0247

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.499	.0009	.0438	.0246	.6551	.0105	.0062
SDev	.008	.0002	.0135	.0015	.0095	.0019	.0018
%RSD	.5461	20.54	30.91	5.937	1.445	17.96	29.10
#1	1.489	.0008	.0334	.0235	.6585	.0100	.0051
#2	1.504	.0011	.0389	.0240	.6624	.0089	.0051
#3	1.503	.0008	.0591	.0262	.6444	.0126	.0082

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.2698	7.393	.0113	.0137	.0459	.0013
SDev	.0006	.0031	.243	.0020	.0012	.0092	.0003
%RSD	30.03	1.146	3.281	17.76	8.867	20.06	19.13
#1	.0017	.2722	7.206	.0097	.0126	.0476	.0013
#2	.0017	.2708	7.305	.0106	.0136	.0360	.0011
#3	.0028	.2663	7.667	.0135	.0150	.0542	.0016

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0363	2024.	.0443	.6922	7.040	.0883	.1101
SDev	.0023	39.	.0093	.0043	.074	.0113	.0344
%RSD	6.213	1.908	21.02	.6134	1.055	12.83	31.27
#1	.0340	2051.	.0369	.6963	7.095	.0843	.0880
#2	.0365	2042.	.0413	.6925	7.069	.0795	.0925
#3	.0385	1980.	.0548	.6878	6.955	.1010	.1497

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0486	.0178	.0229	1.078	.1882	.0083	.0121
SDev	.0154	.0089	.0158	.011	.0383	.0002	.0126
%RSD	31.60	50.08	69.06	1.038	20.34	1.951	103.9
#1	.0371	.0159	.0315	1.087	.1630	.0081	.0097
#2	.0427	.0100	.0046	1.082	.1695	.0082	.0009
#3	.0661	.0275	.0325	1.066	.2323	.0085	.0258

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0060	.0027	.1727	.6735	.0070	.1681	.0020
SDev	.0046	.0009	.0036	.1656	.0013	.0139	.0007

%RSD	76.36	33.33	2.057	24.59	18.74	8.278	36.26
#1	-.0039	.0020	.1740	.5479	.0063	.1806	.0014
#2	-.0112	.0023	.1687	.6115	.0062	.1531	.0017
#3	-.0028	.0037	.1754	.8613	.0085	.1705	.0028

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0017	.0048
SDev	.0009	.0017
%RSD	49.58	35.84
#1	.0027	.0034
#2	.0010	.0044
#3	.0016	.0067

Analysis Report

Mon 09-11-95 02:19:00 PM page

Method: ICP1 Sample Name: 95-007942-C1 @5 Operator: DRS
Run Time: 09/11/95 14:17:41
Comment: SLUDGE SAMPLE DUPLICATE @5X DIL(BY-108 WATER LEACH)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	13.51	.0170	.0136	.0004	.0000	-.0002
SDev	.0007	.05	.0033	.0018	.0000	.0000	.0031
%RSD	84.81	.3851	19.53	13.51	.4318	41.46	1595.
#1	-.0017	13.55	.0196	.0119	.0004	.0000	-.0035
#2	-.0004	13.53	.0133	.0155	.0004	.0000	.0001
#3	-.0004	13.45	.0182	.0135	.0004	.0000	.0028

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.359	-.0011	-.0017	.0027	.1293	-.0012	-.0004
SDev	.003	.0012	.0047	.0005	.0028	.0012	.0008
%RSD	.2397	103.3	269.6	17.03	2.133	96.35	187.4
#1	1.358	.0002	-.0052	.0024	.1290	-.0014	-.0013
#2	1.363	-.0015	-.0036	.0033	.1267	-.0023	-.0002
#3	1.357	-.0021	.0036	.0026	.1322	.0000	.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0630	1.212	-.0002	.0010	.0112	.0001
SDev	.0003	.0005	.062	.0005	.0007	.0036	.0001
%RSD	526.9	.7711	5.139	311.9	71.49	31.90	198.5
#1	-.0002	.0632	1.185	-.0007	.0004	.0078	-.0000
#2	-.0002	.0624	1.168	-.0001	.0008	.0109	-.0000
#3	.0003	.0633	1.283	.0003	.0018	.0149	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	449.9	.0018	.1333	1.468	.0088	-.0123
SDev	.0000	4.1	.0019	.0020	.026	.0029	.0113
%RSD	.1152	.9205	101.2	1.489	1.748	33.38	91.90
#1	.0043	453.0	.0008	.1355	1.467	.0082	-.0250
#2	.0043	451.5	.0040	.1329	1.494	.0061	-.0088
#3	.0043	445.2	.0007	.1316	1.442	.0119	-.0032

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0043	-.0089	-.0046	.2555	-.0129	.0020	-.0102
SDev	.0059	.0109	.0102	.0028	.0137	.0001	.0043
%RSD	136.8	123.5	222.1	1.101	106.2	3.508	42.34
#1	-.0110	-.0208	.0016	.2558	-.0234	.0021	-.0150
#2	-.0017	.0008	.0010	.2581	.0026	.0020	-.0091
#3	-.0001	-.0066	-.0163	.2525	-.0179	.0020	-.0066

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0034	.0000	.0279	-.0290	.0005	.0199	-.0004
SDev	.0033	.0000	.0024	.0676	.0002	.0002	.0000

%RSD	96.50	169.5	8.630	233.3	38.14	.9491	10.58
#1	-.0018	.0000	.0252	-.0758	.0004	.0201	-.0003
#2	-.0012	-.0000	.0284	-.0596	.0004	.0199	-.0004
#3	-.0071	.0000	.0299	.0485	.0007	.0197	-.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0200	-.0006
SDev	.0005	.0006
%RSD	2.697	99.74
#1	.0199	-.0011
#2	.0195	-.0008
#3	.0206	.0001

Analysis Report Mon 09-11-95 02:22:32 PM page 1

Method: ICP1 Sample Name: 95-007942-C2 Operator: DRS
Run Time: 09/11/95 14:21:13
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	67.58	.1266	.0931	.0022	.0005	.0144
SDev	.0006	.26	.0038	.0011	.0001	.0000	.0040
%RSD	10.53	.3904	3.010	1.206	3.111	4.842	28.08
#1	.0063	67.42	.1243	.0938	.0022	.0005	.0187
#2	.0053	67.43	.1310	.0918	.0021	.0005	.0136
#3	.0053	67.88	.1245	.0937	.0023	.0005	.0108

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.406	.0003	.0429	.0242	.6377	.0108	.0053
SDev	.021	.0010	.0042	.0004	.0029	.0006	.0009
%RSD	1.527	345.5	9.796	1.495	.4491	5.370	16.99
#1	1.384	.0002	.0477	.0238	.6345	.0114	.0062
#2	1.406	.0014	.0401	.0246	.6400	.0104	.0052
#3	1.427	-.0007	.0408	.0243	.6385	.0105	.0045

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.2628	7.245	.0105	.0137	.0714	.0012
SDev	.0002	.0004	.112	.0007	.0009	.0046	.0001
%RSD	8.441	.1634	1.546	6.417	6.361	6.470	9.974
#1	.0022	.2633	7.371	.0112	.0136	.0760	.0013
#2	.0019	.2626	7.206	.0104	.0129	.0713	.0011
#3	.0019	.2625	7.157	.0099	.0147	.0668	.0012

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0337	2019.	.0415	.6768	7.350	.0852	.1007
SDev	.0014	11.	.0041	.0042	.036	.0090	.0090
%RSD	4.284	.5480	9.825	.6272	.4935	10.58	8.940
#1	.0348	2011.	.0456	.6783	7.334	.0938	.1060
#2	.0321	2014.	.0416	.6720	7.325	.0858	.1059
#3	.0343	2032.	.0374	.6800	7.392	.0758	.0903

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0495	.0141	.0221	1.072	.1523	.0078	.0187
SDev	.0013	.0009	.0126	.005	.0069	.0002	.0042
%RSD	2.590	6.540	56.93	.5127	4.559	2.329	22.31
#1	.0510	.0140	.0103	1.069	.1601	.0077	.0232
#2	.0485	.0132	.0207	1.069	.1498	.0078	.0177
#3	.0492	.0151	.0354	1.079	.1469	.0080	.0150

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	.0025	.1649	.5620	.0072	.1647	.0020
SDev	.0027	.0000	.0065	.0697	.0004	.0069	.0003

%RSD	142.3	1.746	3.951	12.40	5.312	4.178	14.06
#1	.0010	.0024	.1644	.6355	.0075	.1727	.0023
#2	-.0023	.0025	.1717	.5538	.0074	.1607	.0017
#3	-.0044	.0024	.1587	.4968	.0068	.1608	.0021

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0023	.0038
SDev	.0012	.0003
%RSD	52.49	8.321
#1	.0023	.0041
#2	.0035	.0034
#3	.0011	.0038

Analysis Report QC Standard Mon 09-11-95 02:27:48 PM page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 14:26:29
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DLY 9/11

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4824	24.47	2.622	1.959	.5049	.0949	24.39
SDev	.0041	.28	.029	.026	.0067	.0011	.23
%RSD	.8506	1.147	1.115	1.332	1.321	1.128	.9416
#1	.4863	24.73	2.650	1.983	.5108	.0959	24.60
#2	.4828	24.51	2.625	1.962	.5062	.0951	24.41
#3	.4781	24.17	2.592	1.931	.4976	.0938	24.14
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	24.82	.4913	-.0302	1.025	1.029	.9987	.0001
SDev	.21	.0084	.0077	.009	.017	.0110	.0011
%RSD	.8502	1.714	25.56	.8337	1.687	1.099	1264.
#1	25.02	.4972	-.0379	1.032	1.046	1.008	-.0008
#2	24.84	.4952	-.0301	1.028	1.029	1.001	-.0002
#3	24.60	.4817	-.0225	1.015	1.011	.9866	.0013
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	20.36	23.79	.0049	1.819	26.41	.5090
SDev	.0003	.21	.03	.0004	.022	.26	.0053
%RSD	16.55	1.034	.1440	8.721	1.226	1.003	1.048
#1	.0017	20.55	23.76	.0044	1.837	26.65	.5138
#2	.0018	20.39	23.82	.0051	1.825	26.46	.5099
#3	.0023	20.13	23.77	.0051	Q1.794	26.13	.5032
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	1.025	24.04	.0106	1.052	.0698	2.595	-.0222
SDev	.005	.32	.0051	.011	.0032	.007	.0131
%RSD	.4846	1.338	48.13	1.007	4.559	.2812	58.92
#1	1.030	24.26	.0051	1.063	.0732	2.603	-.0351
#2	1.025	24.20	.0116	1.051	.0691	2.594	-.0225
#3	1.020	23.67	.0151	1.042	.0670	2.589	-.0089
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 Mon 09-11-95 02:27:48 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	-.0043	2.562	2.498	19.17	-.0804	.5096	-.0061
SDev	.0069	.022	.021	.17	.0154	.0066	.0045
%RSD	160.1	.8520	.8515	.8885	19.14	1.298	73.62
#1	-.0091	2.560	2.511	19.33	-.0973	.5158	-.0111
#2	-.0073	2.585	2.509	19.19	-.0769	.5103	-.0023
#3	.0036	2.541	2.473	18.99	-.0671	.5026	-.0050
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	.0425	.9938	2.499	.0954	1.004	.0205	-.0000
SDev	.0029	.0107	.025	.0893	.011	.0032	.0001
%RSD	6.772	1.074	.9972	93.61	1.099	15.59	287.5
#1	.0411	1.003	2.507	.0222	1.015	.0194	-.0001
#2	.0406	.9955	2.519	.0690	1.005	.0180	-.0001
#3	.0458	.9823	2.471	.1948	.9931	.0241	.0001
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	1.020	2.042
SDev	.010	.026
%RSD	.9912	1.275
#1	1.028	2.067
#2	1.023	2.044
#3	1.008	2.015
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Mon 09-11-95 02:31:06 PM page

Method: ICP1 Sample Name: SST-ICS-0 950908I100 Operator: DRS
Run Time: 09/11/95 14:29:46
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0106	95.28	.1560	-.0089	.0000	.0007	.0601
SDev	.0006	.16	.0133	.0010	.0001	.0000	.0020
%RSD	6.050	.1630	8.552	11.31	388.3	5.266	3.323
#1	-.0112	95.38	.1406	-.0081	.0001	.0007	.0622
#2	-.0106	95.37	.1638	-.0086	-.0000	.0007	.0600
#3	-.0099	95.11	.1636	-.0101	-.0000	.0007	.0582

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0695	.0089	-.1385	.0043	.0384	-.0103	-.0027
SDev	.0006	.0016	.0010	.0001	.0027	.0010	.0002
%RSD	.9024	17.80	.7470	1.538	7.128	9.454	6.068
#1	.0698	.0071	-.1381	.0043	.0363	-.0108	-.0026
#2	.0688	.0102	-.1378	.0042	.0373	-.0091	-.0029
#3	.0699	.0092	-.1397	.0043	.0414	-.0108	-.0025

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	19.73	.0823	.0042	.0038	.2853	.0014
SDev	.0000	.03	.0494	.0003	.0004	.0044	.0003
%RSD	4.876	.1439	60.00	7.041	10.56	1.537	17.70
#1	.0006	19.75	.0823	.0039	.0040	.2803	.0013
#2	.0006	19.74	.0329	.0045	.0033	.2880	.0012
#3	.0007	19.70	.1316	.0042	.0040	.2878	.0017

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0078	.0277	-.0170	51.46	.0599	.1991	-.4594
SDev	.0011	.0122	.0028	.10	.0093	.0025	.0079
%RSD	13.79	44.19	16.64	.2027	15.48	1.267	1.713
#1	.0085	.0136	-.0177	51.52	.0516	.2005	-.4657
#2	.0065	.0346	-.0194	51.52	.0582	.1962	-.4619
#3	.0083	.0349	-.0139	51.34	.0699	.2006	-.4506

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0413	.0039	.0214	.0704	.0497	-.0003	-.0034
SDev	.0005	.0140	.0094	.0040	.0162	.0000	.0046
%RSD	1.142	357.0	44.03	5.742	32.52	2.644	136.4
#1	-.0419	.0198	.0209	.0740	.0670	-.0003	.0020
#2	-.0411	-.0062	.0312	.0713	.0472	-.0003	-.0062
#3	-.0410	-.0019	.0123	.0660	.0349	-.0003	-.0060

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7298	.0012	.2149	49.79	.0030	.0468	.0038
SDev	.0043	.0002	.0085	.11	.0003	.0071	.0002

%RSD	.5876	15.97	3.962	.2189	11.13	15.18	6.245
#1	.7340	.0010	.2070	49.83	.0029	.0509	.0037
#2	.7255	.0012	.2239	49.87	.0028	.0386	.0037
#3	.7300	.0014	.2138	49.66	.0034	.0510	.0041

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0280	9.904
SDev	.0030	.018
%RSD	10.78	.1826
#1	-.0307	9.913
#2	-.0285	9.916
#3	-.0248	9.884

Analysis Report Mon 09-11-95 03:33:53 PM page 1

Method: ICP1 Sample Name: 95-007945-C2 @5 Operator: DRS
Run Time: 09/11/95 15:32:33
Comment: SLUDGE SAMPLE DUPLICATE @5X DIL(BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0037	16.94	.0536	.0245	-.0006	-.0001	-.0085
SDev	.0007	.04	.0046	.0015	.0000	.0000	.0009
%RSD	18.66	.2528	8.613	6.183	.0530	2.432	10.12
#1	-.0036	16.91	.0589	.0262	-.0006	-.0001	-.0094
#2	-.0044	16.99	.0501	.0232	-.0006	-.0001	-.0077
#3	-.0031	16.93	.0520	.0241	-.0006	-.0001	-.0084

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1832	-.0006	-.0193	.0142	.1438	-.0072	-.0030
SDev	.0014	.0002	.0052	.0002	.0009	.0005	.0002
%RSD	.7352	37.25	26.73	1.679	.6315	7.353	7.896
#1	.1821	-.0007	-.0246	.0139	.1448	-.0069	-.0032
#2	.1829	-.0007	-.0190	.0143	.1431	-.0078	-.0030
#3	.1847	-.0003	-.0143	.0143	.1434	-.0069	-.0028

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.8141	1.596	-.0053	-.0022	-.0074	-.0002
SDev	.0001	.0024	.016	.0014	.0006	.0071	.0001
%RSD	11.42	.2923	1.031	26.29	27.16	95.55	80.23
#1	-.0010	.8114	1.596	-.0060	-.0015	.0005	-.0003
#2	-.0010	.8147	1.579	-.0063	-.0026	-.0132	-.0002
#3	-.0008	.8160	1.612	-.0037	-.0026	-.0094	-.0000

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	411.2	-.0178	1.009	10.93	-.0230	-.0622
SDev	.0007	1.8	.0028	.004	.07	.0100	.0007
%RSD	9.537	.4384	15.65	.3813	.6841	43.62	1.123
#1	.0062	411.2	-.0153	1.009	10.90	-.0261	-.0616
#2	.0071	413.0	-.0173	1.013	10.88	-.0118	-.0630
#3	.0074	409.4	-.0208	1.005	11.01	-.0310	-.0620

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0245	-.0071	.0087	.1375	-.1176	.0022	-.0169
SDev	.0028	.0067	.0069	.0096	.0146	.0000	.0043
%RSD	11.48	94.97	79.48	7.003	12.38	.0540	25.51
#1	-.0244	-.0003	.0120	.1302	-.1043	.0022	-.0164
#2	-.0274	-.0072	.0007	.1338	-.1155	.0022	-.0215
#3	-.0218	-.0137	.0133	.1484	-.1332	.0022	-.0129

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0042	-.0012	.0425	-.1433	-.0002	.1130	-.0019
SDev	.0013	.0003	.0137	.0147	.0004	.0085	.0002

%RSD	121.2	70.17	6.894	30.23	3.238	.8790	379.8
#1	.0060	.0004	.1878	.3128	.0127	.5943	.0001
#2	.0023	.0001	.2146	.2013	.0119	.5840	-.0004
#3	-.0004	.0004	.1960	.3795	.0125	.5896	.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0011	-.0002
SDev	.0013	.0006
%RSD	118.7	356.6
#1	-.0024	-.0002
#2	-.0009	-.0007
#3	.0001	.0004

Analysis Report Mon 09-11-95 03:33:53 PM page

%RSD	31.93	23.07	32.14	10.29	198.2	7.491	9.020
#1	-.0050	-.0011	.0359	-.1600	-.0003	.1040	-.0021
#2	-.0049	-.0015	.0334	-.1323	.0003	.1207	-.0018
#3	-.0026	-.0010	.0582	-.1374	-.0006	.1145	-.0018

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0019	-.0024
SDev	.0009	.0001
%RSD	45.19	4.805
#1	.0029	-.0025
#2	.0012	-.0025
#3	.0016	-.0023

Analysis Report Mon 09-11-95 03:37:38 PM page 1

Method: ICP1 Sample Name: 95-007945-C2 Operator: DRS
Run Time: 09/11/95 15:36:18
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)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	81.26	.3015	.1555	.0003	.0000	.0209
SDev	.0008	.56	.0147	.0005	.0003	.0001	.0023
%RSD	111.8	.6832	4.885	.3258	94.55	752.2	11.19
#1	-.0009	81.66	.3178	.1549	.0005	-.0000	.0197
#2	-.0014	81.49	.2891	.1559	-.0000	-.0000	.0195
#3	.0002	80.62	.2976	.1556	.0003	.0001	.0236

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3748	-.0014	.0065	.0838	.7028	-.0027	.0000
SDev	.0134	.0007	.0041	.0009	.0031	.0013	.0005
%RSD	3.586	53.10	63.45	1.133	.4339	45.59	1571.
#1	.3888	-.0007	.0054	.0845	.7060	-.0025	.0001
#2	.3620	-.0013	.0031	.0827	.7025	-.0041	-.0005
#3	.3736	-.0022	.0111	.0841	.6999	-.0016	.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	3.884	10.69	.0011	.0033	.0569	.0008
SDev	.0004	.024	.06	.0015	.0006	.0058	.0001
%RSD	77.60	.6068	.5329	145.7	18.16	10.17	17.71
#1	.0006	3.910	10.73	.0012	.0030	.0610	.0009
#2	.0001	3.879	10.63	-.0006	.0030	.0503	.0007
#3	.0009	3.864	10.73	.0025	.0040	.0593	.0009

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0520	1816.	.0024	4.856	55.55	.0110	-.0069
SDev	.0008	15.	.0057	.034	.54	.0066	.0164
%RSD	1.538	.8516	238.7	.7095	.9717	59.92	238.7
#1	.0515	1821.	.0026	4.891	56.11	.0084	-.0070
#2	.0529	1828.	-.0034	4.856	55.52	.0061	-.0231
#3	.0516	1798.	.0079	4.822	55.03	.0185	.0096

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0157	.0074	.0538	.3779	.0195	.0094	.0084
SDev	.0076	.0002	.0033	.0022	.0299	.0003	.0061
%RSD	48.32	2.244	6.076	.5830	153.3	3.660	73.11
#1	.0149	.0075	.0505	.3799	.0065	.0097	.0064
#2	.0085	.0073	.0570	.3755	-.0017	.0091	.0035
#3	.0236	.0076	.0538	.3782	.0536	.0094	.0152

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0052	.0002	.2455	.5859	.0106	.6381	-.0003
SDev	.0052	.0007	.0068	.0231	.0008	.0099	.0003

Analysis Report Mon 09-11-95 03:37:38 PM page .

%RSD	101.8	380.6	2.759	3.947	7.106	1.545	87.90
#1	.0102	.0005	.2532	.5967	.0106	.6472	-.0003
#2	-.0003	-.0006	.2428	.5594	.0098	.6276	-.0006
#3	.0056	.0006	.2405	.6017	.0113	.6394	-.0000

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0006	-.0010
SDev	.0005	.0002
%RSD	91.65	17.29
#1	.0004	-.0012
#2	.0001	-.0011
#3	.0011	-.0008

Analysis Report Mon 09-11-95 02:34:40 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 14:33:20
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)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	.0063	.0009	-.0054	.0002	-.0000	.0021
SDev	.0004	.0033	.0019	.0011	.0001	.0000	.0086
%RSD	52.11	51.90	214.8	20.07	35.27	191.8	402.4
#1	.0011	.0100	.0001	-.0066	.0002	.0000	-.0067
#2	.0006	.0036	-.0005	-.0045	.0001	.0000	.0105
#3	.0004	.0054	.0031	-.0051	.0002	-.0001	.0026

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.0001	.0065	.0011	.0015	-.0011	.0008
SDev	.0004	.0012	.0010	.0009	.0014	.0004	.0005
%RSD	14.34	1132.	15.74	87.16	91.88	42.31	53.89
#1	.0032	.0015	.0063	.0020	.0014	-.0015	.0014
#2	.0036	-.0007	.0057	.0002	.0029	-.0006	.0006
#3	.0027	-.0005	.0077	.0010	.0002	-.0010	.0006

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0027	.1316	.0017	.0013	-.0018	.0000
SDev	.0001	.0004	.0494	.0008	.0003	.0055	.0001
%RSD	39.27	16.42	37.50	50.84	27.25	312.0	5481.
#1	.0002	.0030	.1810	.0026	.0016	.0022	-.0000
#2	.0002	.0022	.0823	.0013	.0009	-.0081	-.0001
#3	.0004	.0030	.1316	.0010	.0013	.0006	.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0194	.0100	.0045	.0029	.0022	.0176
SDev	.0008	.0183	.0018	.0018	.0074	.0073	.0017
%RSD	113.0	94.40	18.13	40.21	251.7	340.0	9.532
#1	.0002	.0320	.0116	.0066	.0090	.0103	.0185
#2	-.0011	.0279	.0104	.0040	-.0053	-.0040	.0157
#3	-.0012	-.0016	.0080	.0030	.0052	.0002	.0186

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0075	-.0011	-.0028	.0161	.0161	.0000	.0060
SDev	.0021	.0095	.0078	.0031	.0027	.0001	.0034
%RSD	28.07	856.4	280.1	19.00	16.69	248.4	57.03
#1	.0062	-.0063	.0008	.0164	.0188	.0001	.0084
#2	.0063	-.0068	.0025	.0190	.0135	-.0000	.0074
#3	.0099	.0098	-.0118	.0129	.0161	-.0000	.0021

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0060	.0005	.0012	.1250	.0008	.0032	.0000
SDev	.0032	.0001	.0052	.0038	.0003	.0075	.0002

Analysis Report Mon 09-11-95 02:34:40 PM page

%RSD	53.05	15.96	425.4	3.019	39.24	230.9	718.0
#1	-.0025	.0005	-.0041	.1219	.0009	.0118	.0002
#2	-.0086	.0004	.0015	.1292	.0005	-.0018	-.0001
#3	-.0070	.0004	.0063	.1238	.0011	-.0003	-.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0008	.0021
SDev	.0002	.0003
%RSD	27.60	16.54
#1	.0010	.0019
#2	.0008	.0018
#3	.0006	.0025

Analysis Report Mon 09-11-95 02:39:00 PM page 1

Method: ICP1 Sample Name: Na @1000 PPM Operator: DRS
Run Time: 09/11/95 14:37:41
Comment: 950622I124 @5X DIL (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0068	.0089	-.0060	.0003	.0000	.0079
SDev	.0006	.0014	.0043	.0011	.0001	.0000	.0061
%RSD	34.07	20.11	48.46	17.57	22.11	8.828	77.43
#1	.0020	.0082	.0134	-.0066	.0004	.0000	.0012
#2	.0012	.0055	.0048	-.0066	.0004	.0000	.0092
#3	.0025	.0066	.0085	-.0048	.0002	.0000	.0132

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2904	.0014	.0173	.0027	.0013	-.0004	.0021
SDev	.0004	.0010	.0035	.0004	.0009	.0006	.0001
%RSD	.1332	75.21	20.08	15.96	70.33	163.1	5.846
#1	.2900	.0002	.0196	.0032	.0023	.0003	.0021
#2	.2904	.0021	.0133	.0023	.0006	-.0009	.0022
#3	.2908	.0017	.0189	.0027	.0009	-.0005	.0020

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0067	.2303	.0030	.0033	.0106	.0004
SDev	.0001	.0007	.0435	.0010	.0017	.0029	.0001
%RSD	17.42	10.62	18.90	31.75	52.27	27.51	35.13
#1	.0005	.0061	.2632	.0030	.0051	.0079	.0005
#2	.0007	.0065	.2468	.0021	.0016	.0101	.0002
#3	.0007	.0075	.1810	.0040	.0033	.0137	.0004

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	974.4	.0145	.0006	.0247	.0082	.0315
SDev	.0011	1.2	.0007	.0029	.0069	.0051	.0011
%RSD	162.6	.1242	4.919	461.0	28.05	61.57	3.638
#1	-.0005	975.4	.0138	-.0012	.0312	.0133	.0326
#2	.0008	974.7	.0146	.0039	.0256	.0032	.0303
#3	.0016	973.0	.0152	-.0009	.0174	.0081	.0315

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0171	.0003	.0054	.0042	.0546	.0002	.0084
SDev	.0033	.0041	.0070	.0021	.0124	.0000	.0064
%RSD	19.12	1258.	129.7	49.42	22.68	1.019	75.64
#1	.0208	.0040	.0051	.0044	.0673	.0002	.0090
#2	.0145	.0011	-.0015	.0020	.0425	.0002	.0145
#3	.0162	-.0041	.0124	.0062	.0540	.0002	.0018

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0010	.0149	.2368	.0019	.0080	.0006
SDev	.0032	.0002	.0069	.0266	.0001	.0069	.0002

Analysis Report Mon 09-11-95 02:39:00 PM page

%RSD	376.3	19.75	46.57	11.22	6.279	86.59	29.57
#1	.0000	.0009	.0137	.2675	.0020	.0084	.0007
#2	-.0044	.0008	.0086	.2208	.0018	.0146	.0005
#3	.0018	.0012	.0223	.2221	.0019	.0009	.0005

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0070	.0016
SDev	.0002	.0001
%RSD	2.639	8.729
#1	.0068	.0014
#2	.0071	.0016
#3	.0071	.0017

Analysis Report Mon 09-11-95 02:42:52 PM page 1

Method: ICP1 Sample Name: 95-007943-C1 @5 Operator: DRS
Run Time: 09/11/95 14:41:32
Comment: SLUDGE SAMPLE @5X DIL (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	19.75	.0315	.0194	.0002	-.0000	.0058
SDev	.0005	.07	.0022	.0005	.0003	.0000	.0061
%RSD	42.40	.3776	7.105	2.677	155.8	347.8	106.0
#1	.0014	19.75	.0338	.0200	.0004	.0000	.0108
#2	.0006	19.82	.0294	.0191	-.0001	-.0000	-.0010
#3	.0014	19.67	.0313	.0192	.0002	-.0000	.0076

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.497	-.0005	.0054	.0069	.2354	.0034	.0001
SDev	.002	.0004	.0046	.0005	.0045	.0012	.0008
%RSD	.1576	74.51	85.12	7.507	1.923	34.85	576.1
#1	1.497	-.0001	.0079	.0068	.2363	.0025	.0002
#2	1.499	-.0008	.0001	.0064	.2394	.0030	-.0007
#3	1.495	-.0007	.0083	.0074	.2305	.0047	.0008

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.1106	2.084	.0013	.0424	.0279	.0004
SDev	.0003	.0001	.110	.0011	.0016	.0012	.0002
%RSD	217.3	.1400	5.257	90.71	3.749	4.402	44.79
#1	.0002	.1104	2.139	.0013	.0428	.0267	.0006
#2	-.0002	.1107	1.958	.0001	.0407	.0279	.0002
#3	.0004	.1105	2.155	.0024	.0438	.0291	.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0088	316.4	.0035	.2412	9.505	.0136	.0049
SDev	.0009	1.3	.0031	.0019	.078	.0033	.0112
%RSD	9.893	.4101	86.73	.8097	.8217	24.34	228.5
#1	.0078	316.6	.0066	.2428	9.425	.0122	.0087
#2	.0094	317.6	.0005	.2390	9.581	.0113	-.0077
#3	.0092	315.0	.0035	.2418	9.509	.0175	.0137

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	-.0024	-.0024	.3046	.0110	.0018	-.0032
SDev	.0047	.0058	.0050	.0121	.0316	.0001	.0041
%RSD	105.2	238.3	206.5	3.982	286.4	3.209	130.8
#1	.0043	-.0085	-.0063	.2918	.0241	.0018	-.0001
#2	-.0001	-.0019	-.0043	.3062	-.0250	.0017	-.0079
#3	.0093	.0031	.0033	.3160	.0340	.0018	-.0015

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0058	.0001	.0424	.0406	.0093	.0626	-.0002
SDev	.0079	.0003	.0126	.1017	.0005	.0070	.0003

Analysis Report Mon 09-11-95 02:42:52 PM page 2

%RSD	136.9	204.4	29.63	250.8	5.591	11.15	155.0
#1	-.0140	.0002	.0567	.1141	.0096	.0680	-.0005
#2	.0018	-.0002	.0332	-.0755	.0087	.0547	-.0004
#3	-.0052	.0004	.0373	.0830	.0096	.0650	.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0242	.0013
SDev	.0010	.0013
%RSD	4.154	95.76
#1	.0251	.0027
#2	.0231	.0003
#3	.0245	.0010

Analysis Report Mon 09-11-95 02:47:03 PM page 1

Method: ICP1 Sample Name: 95-007943-C1 Operator: DRS
Run Time: 09/11/95 14:45:44
Comment: SLUDGE SAMPLE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0096	98.80	.1842	.1265	.0010	.0003	.0249
SDev	.0009	.71	.0020	.0015	.0003	.0000	.0016
%RSD	9.949	.7165	1.063	1.217	25.29	3.923	6.303
#1	.0085	99.62	.1822	.1259	.0007	.0003	.0250
#2	.0101	98.45	.1843	.1283	.0011	.0003	.0265
#3	.0102	98.34	.1861	.1254	.0012	.0003	.0233

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0558	.0006	.0452	.0400	1.161	.0314	.0056
SDev	.0026	.0006	.0079	.0003	.006	.0006	.0009
%RSD	4.735	98.69	17.43	.8763	.4967	1.985	15.58
#1	.0536	.0006	.0365	.0399	1.167	.0310	.0047
#2	.0587	.0011	.0518	.0397	1.159	.0311	.0057
#3	.0549	-.0000	.0473	.0404	1.156	.0321	.0065

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.5158	11.00	.0101	.2061	.0257	.0016
SDev	.0002	.0018	.09	.0014	.0032	.0083	.0002
%RSD	11.37	.3510	.8237	14.22	1.566	32.10	13.70
#1	.0017	.5178	10.96	.0097	.2097	.0196	.0015
#2	.0022	.5142	11.11	.0117	.2052	.0225	.0019
#3	.0020	.5154	10.94	.0089	.2034	.0351	.0015

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0602	1463.	.0376	1.209	48.86	.0603	.1001
SDev	.0006	12.	.0074	.010	.24	.0062	.0125
%RSD	.9893	.8325	19.80	.8640	.4905	10.19	12.53
#1	.0602	1477.	.0292	1.216	49.13	.0541	.0862
#2	.0596	1459.	.0401	1.197	48.75	.0603	.1036
#3	.0608	1454.	.0434	1.213	48.69	.0664	.1105

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0519	.0126	.0402	1.110	.1833	.0012	.0217
SDev	.0039	.0088	.0119	.003	.0326	.0001	.0123
%RSD	7.457	70.01	29.60	.2605	17.80	9.092	56.80
#1	.0475	.0195	.0280	1.113	.1521	.0011	.0080
#2	.0540	.0155	.0517	1.111	.2172	.0013	.0252
#3	.0543	.0027	.0408	1.107	.1804	.0012	.0318

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0023	.2319	.6082	.0478	.3298	.0020
SDev	.0027	.0003	.0065	.0584	.0010	.0071	.0001

Analysis Report Mon 09-11-95 02:47:03 PM page

%RSD	176.2	14.30	2.782	9.601	2.181	2.148	7.070
#1	-.0015	.0019	.2334	.5499	.0469	.3245	.0018
#2	.0035	.0025	.2248	.6667	.0490	.3272	.0021
#3	.0026	.0025	.2374	.6079	.0476	.3379	.0021

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0034	.0036
SDev	.0008	.0006
%RSD	23.10	17.32
#1	.0039	.0029
#2	.0025	.0039
#3	.0039	.0040

Analysis Report Mon 09-11-95 02:51:25 PM page 1

Method: ICP1 Sample Name: 95-007943-C2 @5 Operator: DRS
Run Time: 09/11/95 14:50:06
Comment: SLUDGE SAMPLE DUPLICATE @5X DIL(BY-108 WATER LEACH)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	20.84	.0333	.0076	.0004	.0001	.0033
SDev	.0003	.09	.0031	.0023	.0001	.0000	.0022
%RSD	11.46	.4532	9.194	30.24	17.02	27.40	65.82
#1	.0025	20.91	.0307	.0103	.0004	.0001	.0011
#2	.0023	20.89	.0366	.0064	.0004	.0001	.0035
#3	.0029	20.74	.0324	.0062	.0005	.0001	.0055

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.553	.0001	.0111	.0083	.2560	.0098	.0013
SDev	.005	.0018	.0060	.0005	.0010	.0006	.0004
%RSD	.3107	2000.	53.42	6.508	.4058	5.571	34.88
#1	1.557	-.0002	.0098	.0087	.2548	.0105	.0011
#2	1.554	.0020	.0060	.0077	.2568	.0094	.0010
#3	1.548	-.0015	.0176	.0086	.2563	.0096	.0018

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.1165	2.457	.0031	.0136	.0377	.0006
SDev	.0001	.0006	.144	.0013	.0022	.0049	.0001
%RSD	10.86	.5200	5.851	40.66	15.94	12.95	10.28
#1	.0006	.1167	2.419	.0023	.0129	.0327	.0005
#2	.0006	.1158	2.336	.0025	.0119	.0424	.0005
#3	.0007	.1170	2.616	.0046	.0160	.0382	.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0116	352.8	.0113	.2641	10.37	.0291	.0245
SDev	.0009	1.8	.0044	.0046	.03	.0053	.0071
%RSD	7.940	.5045	39.27	1.728	.3333	18.24	29.00
#1	.0114	353.4	.0074	.2694	10.37	.0324	.0217
#2	.0107	354.1	.0104	.2617	10.40	.0230	.0192
#3	.0125	350.8	.0162	.2613	10.33	.0320	.0326

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0118	.0049	.0128	.3018	.0264	.0019	.0010
SDev	.0051	.0073	.0186	.0099	.0222	.0001	.0047
%RSD	43.15	147.9	145.0	3.286	83.86	3.220	457.4
#1	.0103	-.0000	.0233	.2921	.0014	.0018	.0012
#2	.0076	.0015	.0239	.3015	.0342	.0019	-.0038
#3	.0174	.0132	-.0087	.3119	.0437	.0019	.0056

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	.0007	.0513	.1332	.0097	.0648	.0000
SDev	.0018	.0003	.0078	.0697	.0006	.0039	.0003

Analysis Report Mon 09-11-95 02:51:25 PM page

%RSD	65.13	33.86	15.25	52.35	5.887	6.057	1207.
#1	.0035	.0006	.0552	.0658	.0097	.0664	-.0001
#2	.0007	.0006	.0423	.1288	.0092	.0603	-.0002
#3	.0041	.0010	.0564	.2050	.0103	.0676	.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0245	.0004
SDev	.0011	.0002
%RSD	4.559	59.03
#1	.0242	.0004
#2	.0258	.0001
#3	.0236	.0006

Analysis Report Mon 09-11-95 02:55:02 PM page 1

Method: ICP1 Sample Name: 95-007943-C2 Operator: DRS
Run Time: 09/11/95 14:53:43
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0096	106.3	.1949	.0714	.0012	.0004	.0251
SDev	.0006	.7	.0070	.0014	.0001	.0000	.0125
%RSD	5.998	.6189	3.602	1.977	10.04	2.326	49.85
#1	.0090	106.7	.1881	.0698	.0013	.0004	.0157
#2	.0098	106.7	.1946	.0725	.0011	.0005	.0202
#3	.0101	105.6	.2021	.0720	.0012	.0004	.0392

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0517	-.0000	.0440	.0433	1.269	.0472	.0055
SDev	.0041	.0004	.0059	.0003	.004	.0004	.0001
%RSD	7.879	19310.	13.32	.6002	.3357	.8518	1.215
#1	.0484	.0005	.0428	.0432	1.270	.0476	.0055
#2	.0505	-.0001	.0387	.0431	1.272	.0470	.0056
#3	.0562	-.0004	.0503	.0436	1.264	.0469	.0055

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.5573	11.77	.0112	.0637	.0331	.0015
SDev	.0001	.0031	.07	.0017	.0007	.0066	.0001
%RSD	7.747	.5523	.5820	15.43	1.137	19.84	3.657
#1	.0019	.5585	11.75	.0110	.0645	.0281	.0016
#2	.0019	.5595	11.71	.0095	.0631	.0306	.0015
#3	.0022	.5537	11.85	.0130	.0634	.0405	.0016

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0652	1644.	.0379	1.341	53.63	.0701	.1009
SDev	.0016	10.	.0048	.012	.34	.0064	.0078
%RSD	2.395	.5986	12.65	.8735	.6302	9.194	7.747
#1	.0655	1651.	.0341	1.348	53.83	.0637	.0980
#2	.0635	1649.	.0364	1.349	53.82	.0766	.0949
#3	.0666	1633.	.0433	1.328	53.24	.0699	.1097

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0510	.0165	.0219	.9698	.1920	.0011	.0219
SDev	.0043	.0072	.0098	.0054	.0273	.0001	.0021
%RSD	8.461	43.56	44.67	.5615	14.24	5.199	9.678
#1	.0509	.0198	.0285	.9641	.1757	.0011	.0203
#2	.0468	.0083	.0265	.9750	.1766	.0011	.0212
#3	.0554	.0216	.0106	.9703	.2235	.0012	.0243

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0029	.0024	.2448	.5732	.0481	.3536	.0020
SDev	.0038	.0003	.0077	.0995	.0001	.0093	.0003

Analysis Report Mon 09-11-95 02:55:02 PM page .

%RSD	130.7	11.92	3.152	17.36	.1826	2.630	15.22
#1	-.0018	.0021	.2379	.5671	.0480	.3623	.0018
#2	-.0071	.0023	.2531	.4769	.0481	.3548	.0019
#3	.0002	.0027	.2435	.6756	.0481	.3438	.0024

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0036	.0041
SDev	.0006	.0001
%RSD	17.60	1.714
#1	.0039	.0040
#2	.0039	.0041
#3	.0029	.0041

Analysis Report Mon 09-11-95 02:58:27 PM page 1

Method: ICP1 Sample Name: 95-007944-C1 @5 Operator: DRS
Run Time: 09/11/95 14:57:08
Comment: SLUDGE SAMPLE @5X DIL (BY-108 WATER LEACH)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	21.66	.0682	.0122	.0002	-.0001	.0043
SDev	.0009	.06	.0052	.0029	.0001	.0000	.0128
%RSD	124.1	.2990	7.634	23.88	51.43	44.26	299.9
#1	-.0009	21.71	.0720	.0152	.0002	-.0001	.0083
#2	.0002	21.59	.0623	.0121	.0001	-.0000	.0146
#3	-.0016	21.68	.0705	.0093	.0004	-.0001	-.0101

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5110	.0004	.0037	.0066	.2224	.0035	.0003
SDev	.0006	.0013	.0023	.0005	.0017	.0001	.0009
%RSD	.1089	348.3	61.84	7.367	.7603	2.283	287.0
#1	.5104	-.0011	.0033	.0063	.2222	.0035	-.0006
#2	.5115	.0015	.0062	.0072	.2208	.0036	.0011
#3	.5109	.0007	.0017	.0063	.2242	.0034	.0005

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0959	1.914	.0011	.0120	.0308	.0003
SDev	.0002	.0009	.066	.0011	.0007	.0011	.0001
%RSD	97.20	.9328	3.474	98.87	5.793	3.454	43.64
#1	.0001	.0970	1.876	-.0001	.0120	.0308	.0003
#2	.0004	.0955	1.991	.0013	.0127	.0318	.0004
#3	.0001	.0954	1.876	.0022	.0113	.0297	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0108	397.0	.0051	.1629	5.078	-.0003	.0081
SDev	.0008	2.2	.0023	.0017	.061	.0028	.0101
%RSD	7.780	.5615	45.28	1.021	1.197	854.0	125.9
#1	.0101	399.5	.0045	.1616	5.111	-.0035	.0034
#2	.0117	395.7	.0077	.1648	5.007	.0019	.0197
#3	.0106	395.7	.0032	.1623	5.114	.0006	.0011

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	-.0028	.0131	.2294	.0176	.0042	-.0019
SDev	.0047	.0032	.0105	.0079	.0219	.0001	.0081
%RSD	239.8	114.7	80.44	3.443	124.0	1.465	426.7
#1	-.0022	-.0034	.0081	.2217	.0305	.0041	.0058
#2	.0070	.0007	.0251	.2291	.0300	.0042	-.0011
#3	.0011	-.0056	.0060	.2375	-.0076	.0041	-.0104

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	-.0000	.0572	.1116	.0057	.5243	-.0003
SDev	.0035	.0003	.0053	.0680	.0003	.0133	.0004

Analysis Report Mon 09-11-95 02:58:27 PM page 2

%RSD	160.8	814.8	9.331	60.94	4.782	2.530	144.2
#1	.0008	-.0004	.0631	.0557	.0055	.5269	-.0007
#2	-.0013	.0002	.0555	.1873	.0060	.5099	.0002
#3	-.0060	.0001	.0528	.0918	.0055	.5360	-.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0095	.0003
SDev	.0005	.0003
%RSD	5.002	85.37
#1	.0091	.0002
#2	.0100	.0006
#3	.0093	.0001

Analysis Report Mon 09-11-95 03:02:52 PM page 1

Method: ICP1 Sample Name: 95-007944-C1 Operator: DRS
Run Time: 09/11/95 15:01:32
Comment: SLUDGE SAMPLE (BY-108 WATER LEACH)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	105.2	.3508	.0889	.0006	.0001	.0180
SDev	.0001	.1	.0138	.0020	.0001	.0000	.0097
%RSD	5.483	.1245	3.950	2.233	10.77	61.91	54.07
#1	-.0025	105.3	.3490	.0887	.0007	.0000	.0225
#2	-.0027	105.2	.3654	.0909	.0006	.0001	.0068
#3	-.0026	105.1	.3379	.0870	.0006	.0001	.0248

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.078	-.0009	.0087	.0318	1.069	.0278	.0011
SDev	.005	.0014	.0013	.0003	.004	.0005	.0001
%RSD	.5069	166.1	15.43	1.092	.3858	1.811	6.411
#1	1.073	-.0010	.0091	.0315	1.072	.0282	.0012
#2	1.076	.0006	.0072	.0318	1.065	.0272	.0010
#3	1.084	-.0022	.0097	.0322	1.072	.0280	.0011

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.4412	8.879	.0032	.0571	.0936	.0011
SDev	.0000	.0007	.091	.0019	.0010	.0022	.0001
%RSD	4.357	.1641	1.021	58.16	1.826	2.353	12.41
#1	.0006	.4418	8.967	.0043	.0581	.0911	.0011
#2	.0007	.4412	8.786	.0010	.0560	.0951	.0010
#3	.0007	.4404	8.885	.0042	.0571	.0946	.0013

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0564	1777.	.0070	.8000	26.04	.0247	.0134
SDev	.0008	1.	.0016	.0038	.09	.0054	.0066
%RSD	1.323	.0664	23.16	.4778	.3463	21.86	49.45
#1	.0572	1779.	.0084	.7976	25.97	.0306	.0210
#2	.0562	1776.	.0074	.8044	26.00	.0199	.0102
#3	.0558	1777.	.0052	.7980	26.14	.0236	.0090

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0073	.0024	.0558	.6896	.0469	.0152	.0007
SDev	.0029	.0061	.0059	.0023	.0198	.0003	.0036
%RSD	39.74	259.5	10.56	.3398	42.11	1.930	549.9
#1	.0092	-.0042	.0525	.6922	.0330	.0149	.0030
#2	.0040	.0079	.0524	.6889	.0382	.0151	.0025
#3	.0087	.0035	.0626	.6877	.0695	.0155	-.0035

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0037	.0002	.2954	.3768	.0282	2.697	.0000
SDev	.0043	.0001	.0055	.0711	.0006	.026	.0003

%RSD	116.3	62.14	1.853	18.88	2.173	.9742	695.3
#1	-.0048	.0001	.3017	.4492	.0283	2.678	.0003
#2	.0010	.0003	.2929	.3070	.0275	2.727	-.0002
#3	-.0074	.0002	.2916	.3741	.0288	2.686	.0000

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0058	.0002
SDev	.0006	.0004
%RSD	10.91	173.3
#1	.0051	.0001
#2	.0062	-.0001
#3	.0062	.0007

Analysis Report Mon 09-11-95 03:06:47 PM page 1

Method: ICP1 Sample Name: 95-007944-C2 @5 Operator: DRS
Run Time: 09/11/95 15:05:27
Comment: SLUDGE SAMPLE DUPLICATE @5X DIL(BY-108 WATER LEACH)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	16.99	.0538	.0217	.0005	-.0000	.0076
SDev	.0018	.29	.0083	.0012	.0004	.0001	.0061
%RSD	155.3	1.732	15.37	5.569	81.47	287.0	80.20
#1	-.0005	17.23	.0612	.0207	.0002	-.0001	.0029
#2	.0010	17.08	.0449	.0231	.0004	-.0000	.0054
#3	.0030	16.66	.0553	.0214	.0011	.0000	.0146

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4390	-.0001	.0108	.0063	.1754	.0031	.0017
SDev	.0015	.0023	.0123	.0016	.0040	.0014	.0019
%RSD	.3424	3476.	114.2	26.10	2.288	45.86	111.0
#1	.4385	-.0007	.0023	.0049	.1779	.0019	.0002
#2	.4378	-.0020	.0051	.0058	.1776	.0027	.0011
#3	.4407	.0025	.0248	.0081	.1708	.0047	.0037

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0776	1.870	.0033	.0109	.0360	.0004
SDev	.0005	.0006	.367	.0030	.0010	.0120	.0000
%RSD	65.27	.7538	19.62	90.63	9.488	33.34	10.39
#1	.0006	.0770	1.596	.0011	.0099	.0247	.0004
#2	.0004	.0777	1.728	.0020	.0109	.0347	.0004
#3	.0013	.0781	2.287	.0067	.0120	.0486	.0004

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0098	365.0	.0124	.1308	5.707	.0142	.0331
SDev	.0014	7.1	.0094	.0026	.064	.0118	.0279
%RSD	14.31	1.946	76.35	1.963	1.125	83.33	84.30
#1	.0089	371.3	.0035	.1279	5.721	.0046	.0164
#2	.0090	366.3	.0114	.1315	5.762	.0106	.0177
#3	.0114	357.3	.0222	.1329	5.636	.0273	.0654

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0149	-.0000	.0125	.2137	.0317	.0042	.0084
SDev	.0121	.0017	.0089	.0206	.0418	.0001	.0118
%RSD	81.70	8455.	71.13	9.650	132.0	1.292	140.9
#1	.0056	-.0019	.0057	.1912	.0029	.0041	-.0030
#2	.0103	.0007	.0092	.2181	.0125	.0041	.0076
#3	.0286	.0012	.0226	.2318	.0796	.0042	.0206

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0009	.0575	.2421	.0079	.4160	.0003
SDev	.0024	.0009	.0011	.1424	.0008	.0032	.0006

Analysis Report Mon 09-11-95 03:06:47 PM page 1

%RSD	155.7	91.83	1.868	58.80	9.898	.7581	160.1
#1	-.0007	.0002	.0586	.1513	.0075	.4189	-.0001
#2	.0013	.0008	.0572	.1689	.0075	.4126	.0002
#3	.0040	.0019	.0565	.4062	.0088	.4165	.0010

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0061	.0010
SDev	.0004	.0011
%RSD	6.301	111.6
#1	.0059	.0004
#2	.0058	.0003
#3	.0066	.0023

Analysis Report Mon 09-11-95 03:10:48 PM page 1

Method: ICP1 Sample Name: 95-007944-C2 Operator: DRS
Run Time: 09/11/95 15:09:29
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	85.08	.2702	.1350	.0011	.0001	.0173
SDev	.0012	1.00	.0195	.0024	.0002	.0000	.0109
%RSD	120.4	1.180	7.230	1.786	16.35	20.84	63.21
#1	.0003	85.50	.2601	.1333	.0011	.0001	.0080
#2	.0024	83.93	.2927	.1340	.0013	.0001	.0293
#3	.0004	85.80	.2578	.1378	.0009	.0001	.0145

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6168	-.0011	.0263	.0280	.8603	.0295	.0037
SDev	.0244	.0003	.0104	.0011	.0061	.0016	.0015
%RSD	3.963	27.33	39.61	3.855	.7138	5.541	40.98
#1	.5923	-.0008	.0285	.0281	.8639	.0302	.0029
#2	.6170	-.0013	.0355	.0290	.8532	.0306	.0055
#3	.6412	-.0013	.0150	.0269	.8638	.0276	.0028

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.3434	8.024	.0074	.0489	.0446	.0009
SDev	.0004	.0033	.158	.0024	.0004	.0035	.0002
%RSD	26.11	.9639	1.970	32.59	.8165	7.916	21.91
#1	.0014	.3447	7.996	.0073	.0484	.0477	.0010
#2	.0019	.3396	8.194	.0098	.0491	.0454	.0011
#3	.0011	.3458	7.881	.0050	.0491	.0408	.0007

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0479	1686.	.0257	.6529	29.63	.0492	.0629
SDev	.0009	20.	.0089	.0060	.23	.0044	.0224
%RSD	1.859	1.185	34.73	.9115	.7841	8.977	35.59
#1	.0468	1690.	.0264	.6579	29.75	.0486	.0653
#2	.0483	1664.	.0342	.6463	29.37	.0538	.0840
#3	.0485	1704.	.0164	.6544	29.79	.0451	.0394

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0301	.0074	.0428	.6523	.1091	.0086	.0152
SDev	.0075	.0038	.0048	.0031	.0364	.0003	.0039
%RSD	24.77	51.16	11.18	.4737	33.36	4.058	25.96
#1	.0271	.0082	.0451	.6524	.1015	.0082	.0184
#2	.0385	.0107	.0373	.6492	.1487	.0086	.0164
#3	.0246	.0033	.0460	.6554	.0771	.0089	.0108

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0051	.0016	.2344	.5651	.0346	2.170	.0011
SDev	.0045	.0005	.0082	.0901	.0005	.020	.0003

%RSD	88.73	32.70	3.491	15.94	1.372	.9385	27.65
#1	-.0097	.0017	.2397	.5214	.0351	2.186	.0009
#2	-.0006	.0020	.2250	.6687	.0345	2.147	.0014
#3	-.0051	.0010	.2386	.5052	.0342	2.178	.0009

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0023	.0024
SDev	.0005	.0009
%RSD	20.82	37.96
#1	.0023	.0026
#2	.0028	.0031
#3	.0018	.0014

Analysis Report QC Standard Mon 09-11-95 03:15:49 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 15:14:30
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4802	24.31	2.633	1.943	.4993	.0942	24.21
SDev	.0008	.09	.022	.013	.0024	.0004	.07
%RSD	.1716	.3691	.8444	.6597	.4751	.4565	.2958
#1	.4798	24.32	2.634	1.938	.5003	.0942	24.22
#2	.4797	24.21	2.611	1.933	.4966	.0938	24.14
#3	.4812	24.39	2.655	1.957	.5010	.0947	24.29
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	24.84	.4918	-.0143	1.024	1.015	.9804	.0019
SDev	.09	.0035	.0042	.005	.005	.0030	.0005
%RSD	.3666	.7040	29.53	.5240	.4809	.3073	25.61
#1	24.84	.4917	-.0162	1.024	1.011	.9804	.0014
#2	24.74	.4884	-.0095	1.019	1.014	.9774	.0024
#3	24.93	.4953	-.0173	1.030	1.021	.9834	.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	.0025	20.28	24.42	.0078	1.816	26.30	.5081
SDev	.0002	.10	.44	.0008	.005	.08	.0029
%RSD	9.420	.4870	1.809	10.08	.2875	.3044	.5625
#1	.0024	20.29	24.17	.0080	1.817	26.31	.5078
#2	.0027	20.17	24.93	.0085	1.820	26.21	.5053
#3	.0023	20.36	24.15	.0069	1.810	26.37	.5110
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	1.019	24.17	.0212	1.056	.0829	2.615	.0019
SDev	.007	.12	.0029	.003	.0222	.011	.0129
%RSD	.6964	.5104	13.57	.2451	26.75	.4297	694.2
#1	1.016	24.09	.0221	1.054	.0765	2.616	.0011
#2	1.014	24.31	.0235	1.054	.1075	2.603	.0150
#3	1.027	24.11	.0180	1.059	.0646	2.626	-.0106
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 Mon 09-11-95 03:15:49 PM page

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0124	2.550	2.497	19.00	-.0178	.5041	.0038
SDev	.0038	.010	.028	.08	.0108	.0031	.0049
%RSD	30.64	.4111	1.129	.4203	60.67	.6211	126.8
#1	.0136	2.543	2.482	18.97	-.0071	.5044	.0017
#2	.0154	2.545	2.479	18.93	-.0176	.5008	.0094
#3	.0081	2.562	2.530	19.09	-.0286	.5070	.0004
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	.0450	.9866	2.491	.2604	.9996	.0192	.0006
SDev	.0001	.0044	.025	.0788	.0053	.0056	.0004
%RSD	.3245	.4491	1.021	30.26	.5340	28.98	78.86
#1	.0451	.9876	2.471	.2137	.9986	.0208	.0007
#2	.0448	.9817	2.483	.3514	.9948	.0130	.0009
#3	.0451	.9904	2.520	.2161	1.005	.0238	.0001
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	1.023	2.029
SDev	.002	.013
%RSD	.2365	.6297
#1	1.020	2.032
#2	1.025	2.015
#3	1.025	2.040
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report

Mon 09-11-95 03:20:24 PM

Method: ICP1 Sample Name: SST-ICS-0 950908I100 Operator: DRS
Run Time: 09/11/95 15:19:04
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0116	96.72	.1548	-.0106	-.0001	.0007	.0590
SDev	.0001	.23	.0084	.0032	.0001	.0000	.0057
%RSD	.6337	.2387	5.454	29.74	85.04	2.427	9.594
#1	-.0115	96.59	.1642	-.0128	-.0002	.0007	.0625
#2	-.0116	96.99	.1478	-.0070	-.0000	.0007	.0524
#3	-.0117	96.58	.1525	-.0120	-.0000	.0007	.0620

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0699	.0085	-.1256	.0041	.0382	-.0155	-.0032
SDev	.0003	.0004	.0007	.0003	.0018	.0006	.0004
%RSD	.5048	5.119	.5852	6.455	4.790	4.192	13.75
#1	.0696	.0090	-.1249	.0041	.0363	-.0151	-.0037
#2	.0702	.0083	-.1255	.0043	.0399	-.0151	-.0030
#3	.0701	.0082	-.1264	.0038	.0383	-.0162	-.0029

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	19.98	-.0165	.0034	.0028	.2949	.0015
SDev	.0001	.07	.0000	.0003	.0005	.0019	.0001
%RSD	25.46	.3363	.0000	8.568	19.24	.6517	5.181
#1	.0004	19.96	-.0165	.0032	.0033	.2961	.0015
#2	.0007	20.06	-.0165	.0032	.0023	.2959	.0015
#3	.0006	19.93	-.0165	.0037	.0026	.2927	.0014

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	.0121	-.0213	52.24	.0339	.1892	-.4889
SDev	.0008	.0083	.0018	.17	.0148	.0007	.0075
%RSD	10.03	68.81	8.437	.3309	43.69	.3543	1.538
#1	.0077	.0206	-.0214	52.19	.0458	.1884	-.4958
#2	.0078	.0117	-.0231	52.43	.0385	.1894	-.4900
#3	.0092	.0040	-.0195	52.10	.0173	.1897	-.4809

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0413	.0003	.0364	.0401	.0205	-.0004	-.0026
SDev	.0009	.0089	.0128	.0056	.0097	.0001	.0031
%RSD	2.166	2765.	35.04	13.90	47.55	18.23	120.0
#1	-.0407	-.0067	.0228	.0466	.0138	-.0004	-.0046
#2	-.0423	.0103	.0482	.0373	.0160	-.0005	-.0042
#3	-.0409	-.0026	.0383	.0366	.0317	-.0004	.0010

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7529	.0008	.2137	50.45	.0031	.0395	.0035
SDev	.0024	.0001	.0073	.12	.0003	.0108	.0002

Analysis Report Mon 09-11-95 03:20:24 PM page

%RSD	.3161	6.992	3.438	.2416	9.932	27.37	5.029
#1	.7539	.0008	.2101	50.42	.0027	.0365	.0033
#2	.7546	.0009	.2221	50.59	.0031	.0515	.0036
#3	.7501	.0008	.2088	50.35	.0033	.0305	.0037

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0295	10.06
SDev	.0018	.05
%RSD	6.052	.4675
#1	-.0280	10.05
#2	-.0290	10.11
#3	-.0315	10.02

Analysis Report Mon 09-11-95 03:24:21 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 15:23:02
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)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	.0005	.0014	-.0093	-.0004	-.0000	-.0053
SDev	.0003	.0023	.0118	.0011	.0001	.0000	.0023
%RSD	22.86	490.6	870.0	12.02	34.76	11.68	44.67
#1	-.0010	.0024	-.0040	-.0102	-.0002	-.0000	-.0041
#2	-.0013	.0011	-.0068	-.0080	-.0005	-.0000	-.0080
#3	-.0016	-.0021	.0149	-.0097	-.0005	-.0000	-.0037

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0006	-.0100	-.0006	.0001	-.0032	-.0011
SDev	.0011	.0021	.0033	.0006	.0013	.0007	.0003
%RSD	63.99	319.9	33.20	98.46	1015.	20.94	30.51
#1	.0024	-.0013	-.0095	-.0008	.0013	-.0027	-.0007
#2	.0004	.0003	-.0070	.0001	-.0013	-.0030	-.0013
#3	.0021	.0029	-.0136	-.0009	.0004	-.0040	-.0012

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0013	-.3510	-.0016	-.0014	-.0090	-.0001
SDev	.0001	.0010	.0414	.0002	.0012	.0045	.0000
%RSD	32.34	79.45	11.80	11.02	87.93	49.61	17.34
#1	-.0004	.0012	-.3455	-.0018	-.0001	-.0061	-.0001
#2	-.0003	.0003	-.3949	-.0017	-.0025	-.0142	-.0000
#3	-.0002	.0023	-.3126	-.0014	-.0015	-.0068	-.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	-.0040	-.0048	.0018	.0168	-.0103	-.0184
SDev	.0003	.0024	.0021	.0040	.0138	.0045	.0060
%RSD	45.51	59.65	44.01	230.1	82.31	43.41	32.90
#1	-.0003	-.0013	-.0036	-.0020	.0285	-.0151	-.0126
#2	-.0010	-.0054	-.0073	.0060	.0202	-.0062	-.0246
#3	-.0008	-.0055	-.0035	.0012	.0016	-.0097	-.0179

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0093	-.0005	.0019	-.0123	-.0342	-.0002	.0006
SDev	.0020	.0015	.0042	.0028	.0118	.0000	.0062
%RSD	21.60	337.2	219.9	23.12	34.62	.9785	1029.
#1	-.0114	.0002	-.0029	-.0129	-.0372	-.0002	.0059
#2	-.0075	.0006	.0039	-.0148	-.0442	-.0002	.0020
#3	-.0089	-.0022	.0047	-.0092	-.0211	-.0002	-.0062

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0027	-.0004	-.0005	-.0949	-.0005	-.0083	-.0007
SDev	.0043	.0002	.0064	.0233	.0002	.0038	.0002

Analysis Report

Mon 09-11-95 03:24:21 PM

%RSD	160.8	58.59	1400.	24.57	38.78	46.27	25.44
#1	-.0015	-.0006	.0040	-.0747	-.0005	-.0118	-.0006
#2	-.0075	-.0003	.0023	-.1204	-.0007	-.0088	-.0009
#3	.0009	-.0002	-.0078	-.0896	-.0003	-.0042	-.0006

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0001	.0002
SDev	.0007	.0003
%RSD	557.2	153.0
#1	.0006	.0004
#2	-.0009	.0005
#3	-.0001	-.0002

Analysis Report Mon 09-11-95 03:26:27 PM page 1

Method: ICP1 Sample Name: 95-007945-C1 @5 Operator: DRS
Run Time: 09/11/95 15:25:08
Comment: SLUDGE SAMPLE @5X DIL (BY-108 WATER LEACH)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	15.20	.0288	.0096	-.0006	-.0001	-.0049
SDev	.0003	.08	.0048	.0010	.0001	.0000	.0025
%RSD	11.59	.5585	16.69	10.42	10.75	29.37	50.89
#1	-.0026	15.19	.0241	.0105	-.0006	-.0001	-.0026
#2	-.0033	15.29	.0285	.0098	-.0007	-.0001	-.0046
#3	-.0030	15.12	.0337	.0086	-.0006	-.0001	-.0075

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1519	-.0010	-.0035	.0126	.1284	-.0057	-.0027
SDev	.0017	.0008	.0067	.0009	.0017	.0017	.0004
%RSD	1.109	82.24	192.7	7.233	1.313	30.27	16.19
#1	.1534	-.0001	.0043	.0129	.1273	-.0037	-.0024
#2	.1523	-.0016	-.0076	.0116	.1304	-.0066	-.0032
#3	.1501	-.0014	-.0072	.0133	.1276	-.0067	-.0026

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.7820	1.508	-.0041	-.0014	-.0027	-.0001
SDev	.0000	.0024	.053	.0009	.0002	.0010	.0001
%RSD	3.858	.3079	3.507	21.05	14.19	37.05	170.6
#1	-.0008	.7836	1.547	-.0036	-.0012	-.0035	-.0001
#2	-.0008	.7832	1.448	-.0051	-.0015	-.0016	.0001
#3	-.0008	.7792	1.530	-.0036	-.0015	-.0030	-.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0061	288.5	-.0161	1.112	12.64	-.0176	-.0533
SDev	.0004	2.8	.0064	.012	.08	.0046	.0100
%RSD	7.394	.9859	39.40	1.068	.6673	26.22	18.72
#1	.0061	285.6	-.0122	1.113	12.69	-.0144	-.0477
#2	.0065	291.3	-.0235	1.124	12.69	-.0229	-.0649
#3	.0056	288.6	-.0127	1.100	12.54	-.0155	-.0474

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0210	-.0222	-.0050	.1266	-.1006	.0067	-.0137
SDev	.0037	.0023	.0052	.0086	.0128	.0000	.0037
%RSD	17.39	10.54	103.8	6.809	12.71	.0475	27.27
#1	-.0196	-.0201	-.0035	.1188	-.0868	.0067	-.0158
#2	-.0251	-.0217	-.0108	.1251	-.1121	.0067	-.0159
#3	-.0182	-.0247	-.0007	.1359	-.1029	.0067	-.0094

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0033	-.0011	.0383	-.2280	.0004	.1004	-.0014
SDev	.0011	.0003	.0083	.0291	.0002	.0009	.0000

Analysis Report

Mon 09-11-95 03:26:27 PM page

%RSD	34.61	25.39	21.54	12.79	59.96	.9390	1.743
#1	-.0021	-.0009	.0296	-.2048	.0005	.0993	-.0015
#2	-.0033	-.0014	.0460	-.2607	.0001	.1010	-.0014
#3	-.0044	-.0009	.0394	-.2184	.0005	.1009	-.0014

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0007	-.0013
SDev	.0015	.0005
%RSD	233.9	38.03
#1	.0019	-.0008
#2	-.0011	-.0018
#3	.0012	-.0014

Analysis Report Mon 09-11-95 03:30:15 PM page 1

Method: ICP1 Sample Name: 95-007945-C1 Operator: DRS
Run Time: 09/11/95 15:28:56
Comment: SLUDGE SAMPLE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	75.96	.2026	.0903	.0004	.0000	.0099
SDev	.0011	.50	.0048	.0025	.0001	.0000	.0077
%RSD	2420.	.6630	2.360	2.806	15.63	77.70	77.28
#1	-.0004	76.22	.2038	.0925	.0005	.0000	.0182
#2	-.0008	76.28	.2067	.0909	.0003	.0000	.0030
#3	.0013	75.38	.1973	.0876	.0005	.0000	.0087

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4126	-.0003	.0034	.0771	.6583	-.0010	.0007
SDev	.0136	.0003	.0035	.0016	.0106	.0007	.0008
%RSD	3.302	91.18	104.9	2.020	1.610	74.05	108.2
#1	.4258	.0000	.0014	.0788	.6642	-.0013	.0005
#2	.3986	-.0006	.0013	.0758	.6646	-.0014	.0001
#3	.4135	-.0004	.0075	.0766	.6461	-.0001	.0016

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	3.864	9.981	.0017	.0018	.0680	.0010
SDev	.0002	.025	.176	.0008	.0012	.0038	.0001
%RSD	49.76	.6377	1.763	49.30	67.69	5.561	9.013
#1	.0005	3.878	10.02	.0021	.0019	.0684	.0010
#2	.0002	3.878	9.790	.0007	.0005	.0641	.0011
#3	.0006	3.835	10.14	.0023	.0030	.0717	.0009

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0471	1332.	.0057	5.519	65.98	.0012	.0066
SDev	.0004	7.	.0037	.033	.50	.0096	.0081
%RSD	.8225	.5387	64.44	.6052	.7604	828.1	123.2
#1	.0469	1338.	.0032	5.544	66.29	-.0008	.0086
#2	.0475	1335.	.0040	5.532	66.25	-.0073	-.0023
#3	.0468	1324.	.0099	5.481	65.40	.0115	.0135

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0186	.0003	.0425	.3546	.0127	.0271	.0109
SDev	.0055	.0023	.0047	.0040	.0109	.0008	.0054
%RSD	29.66	770.5	11.18	1.143	85.94	2.969	49.73
#1	.0202	.0027	.0406	.3527	.0132	.0280	.0089
#2	.0124	-.0019	.0480	.3592	.0015	.0264	.0067
#3	.0231	.0001	.0391	.3518	.0232	.0271	.0170

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0003	.1995	.2979	.0124	.5893	-.0001
SDev	.0032	.0002	.0138	.0901	.0004	.0052	.0003

Analysis Report Mon 09-11-95 03:41:54 PM page

Method: ICP1 Sample Name: 95-007946-C1 @5 Operator: DRS
Run Time: 09/11/95 15:40:35
Comment: SLUDGE SAMPLE @5X DIL (BY-108 WATER LEACH)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	10.52	.0319	.0123	-.0000	-.0001	-.0014
SDev	.0005	.02	.0067	.0011	.0001	.0000	.0017
%RSD	27.00	.1814	21.13	8.676	176.5	4.593	119.8
#1	-.0012	10.50	.0268	.0131	-.0001	-.0001	-.0031
#2	-.0018	10.52	.0395	.0111	-.0000	-.0001	-.0013
#3	-.0021	10.54	.0294	.0127	.0000	-.0001	.0002

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5470	-.0004	-.0105	.0220	.1168	-.0053	-.0013
SDev	.0008	.0012	.0027	.0004	.0006	.0010	.0004
%RSD	.1515	276.4	25.94	1.730	.4976	18.64	29.56
#1	.5461	-.0016	-.0077	.0225	.1166	-.0046	-.0011
#2	.5475	-.0003	-.0132	.0219	.1164	-.0064	-.0011
#3	.5475	.0007	-.0108	.0217	.1175	-.0049	-.0018

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.7935	1.870	-.0026	-.0004	.0113	.0002
SDev	.0000	.0009	.034	.0008	.0005	.0014	.0001
%RSD	4.829	.1097	1.831	29.17	130.6	12.37	35.69
#1	-.0004	.7932	1.909	-.0018	-.0005	.0125	.0003
#2	-.0004	.7944	1.843	-.0028	-.0009	.0097	.0001
#3	-.0004	.7928	1.859	-.0033	.0002	.0116	.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0048	175.5	-.0074	1.493	15.87	-.0162	-.0247
SDev	.0005	1.1	.0008	.006	.03	.0079	.0094
%RSD	9.803	.6500	11.28	.3806	.1872	48.83	37.89
#1	.0051	174.2	-.0083	1.496	15.85	-.0177	-.0277
#2	.0043	176.0	-.0067	1.487	15.91	-.0233	-.0322
#3	.0051	176.4	-.0071	1.497	15.86	-.0077	-.0142

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0073	-.0058	-.0030	.0320	-.0373	.0093	-.0108
SDev	.0022	.0033	.0036	.0054	.0148	.0000	.0045
%RSD	30.10	57.68	122.5	16.76	39.80	.0391	41.91
#1	-.0062	-.0096	-.0062	.0377	-.0347	.0093	-.0056
#2	-.0059	-.0034	-.0036	.0313	-.0239	.0093	-.0131
#3	-.0099	-.0044	.0009	.0270	-.0533	.0093	-.0137

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	-.0004	.0355	-.0460	-.0007	.0093	-.0010
SDev	.0029	.0001	.0071	.0464	.0001	.0115	.0002

Analysis Report

Mon 09-11-95 03:41:54 PM

%RSD	126.5	23.79	19.97	100.9	19.46	123.6	15.31
#1	-.0001	-.0004	.0284	-.0405	-.0007	.0199	-.0009
#2	-.0056	-.0005	.0426	-.0026	-.0009	-.0029	-.0009
#3	-.0012	-.0004	.0355	-.0950	-.0006	.0109	-.0012

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0086	-.0014
SDev	.0006	.0003
%RSD	7.299	22.71
#1	.0092	-.0013
#2	.0086	-.0011
#3	.0079	-.0018

Analysis Report Mon 09-11-95 03:45:26 PM page

Method: ICP1 Sample Name: 95-007946-C1 Operator: DRS
Run Time: 09/11/95 15:44:07
Comment: SLUDGE SAMPLE (BY-108 WATER LEACH)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	52.45	.1294	.0978	.0012	.0001	.0225
SDev	.0011	.25	.0046	.0039	.0001	.0000	.0043
%RSD	62.13	.4722	3.522	3.946	10.01	28.55	19.07
#1	.0031	52.18	.1261	.0978	.0013	.0001	.0273
#2	.0011	52.68	.1346	.1016	.0011	.0001	.0208
#3	.0012	52.48	.1275	.0939	.0012	.0001	.0193

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1716	.0007	.0143	.1101	.5893	-.0020	.0023
SDev	.0056	.0004	.0073	.0011	.0038	.0006	.0005
%RSD	3.241	57.67	51.09	1.049	.6432	30.58	20.54
#1	.1717	.0008	.0223	.1110	.5874	-.0013	.0029
#2	.1660	.0011	.0124	.1104	.5936	-.0023	.0020
#3	.1771	.0003	.0081	.1088	.5868	-.0023	.0022

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	3.877	10.80	.0030	.0021	.0422	.0010
SDev	.0002	.015	.03	.0019	.0012	.0072	.0003
%RSD	28.40	.3789	.3170	64.04	59.22	17.11	27.41
#1	.0010	3.869	10.84	.0052	.0033	.0436	.0009
#2	.0006	3.894	10.78	.0016	.0009	.0487	.0014
#3	.0008	3.868	10.79	.0022	.0019	.0344	.0008

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0350	825.6	.0137	7.341	81.61	.0131	.0317
SDev	.0009	7.1	.0056	.046	.38	.0062	.0182
%RSD	2.655	.8629	40.60	.6250	.4610	47.44	57.49
#1	.0360	817.7	.0202	7.326	81.35	.0187	.0527
#2	.0344	827.7	.0107	7.393	82.04	.0142	.0229
#3	.0345	831.5	.0103	7.306	81.45	.0064	.0195

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0396	.0008	.0199	.1483	.0388	.0264	.0167
SDev	.0077	.0054	.0048	.0038	.0258	.0011	.0043
%RSD	19.36	653.3	24.25	2.560	66.67	4.054	25.61
#1	.0470	.0023	.0230	.1527	.0670	.0261	.0158
#2	.0400	.0054	.0224	.1463	.0331	.0256	.0213
#3	.0317	-.0052	.0144	.1459	.0162	.0276	.0129

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	.0010	.1414	.5578	.0031	.0883	.0004
SDev	.0038	.0003	.0072	.0644	.0006	.0042	.0004

Analysis Report

Mon 09-11-95 03:45:26 PM

%RSD	57.46	33.38	5.101	11.55	20.65	4.804	107.7
#1	.0030	.0013	.1406	.6294	.0038	.0906	.0009
#2	.0105	.0008	.1490	.5047	.0025	.0910	.0000
#3	.0062	.0008	.1347	.5392	.0030	.0835	.0003

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0037	.0006
SDev	.0005	.0013
%RSD	13.60	214.7
#1	-.0038	.0021
#2	-.0040	-.0004
#3	-.0031	.0001

Analysis Report Mon 09-11-95 03:49:09 PM page

Method: ICP1 Sample Name: 95-007946-C2 @5 Operator: DRS
Run Time: 09/11/95 15:47:50
Comment: SLUDGE SAMPLE DUPLICATE @5X DIL(BY-108 WATER LEACH)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	12.89	.0349	.0168	.0010	.0000	.0121
SDev	.0010	.08	.0045	.0013	.0002	.0000	.0074
%RSD	122.6	.6373	13.01	7.866	17.65	3717.	61.08
#1	.0015	12.87	.0318	.0183	.0011	.0000	.0206
#2	-.0003	12.97	.0328	.0162	.0008	-.0000	.0068
#3	.0012	12.81	.0401	.0160	.0012	-.0000	.0090

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7371	.0001	.0062	.0285	.1514	-.0027	.0015
SDev	.0035	.0018	.0056	.0010	.0017	.0012	.0010
%RSD	.4791	2686.	89.67	3.440	1.115	43.89	65.28
#1	.7409	-.0007	.0104	.0293	.1524	-.0016	.0022
#2	.7339	-.0012	-.0001	.0274	.1524	-.0040	.0004
#3	.7366	.0021	.0083	.0287	.1495	-.0025	.0019

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.9795	2.929	.0017	.0005	.0417	.0007
SDev	.0002	.0022	.103	.0017	.0015	.0097	.0002
%RSD	41.71	.2298	3.508	103.9	306.5	23.37	26.08
#1	.0005	.9820	3.011	.0027	.0015	.0377	.0008
#2	.0002	.9790	2.813	-.0003	-.0012	.0347	.0005
#3	.0005	.9776	2.962	.0027	.0012	.0529	.0009

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	237.0	.0107	1.646	30.71	-.0015	.0146
SDev	.0017	3.9	.0078	.009	.08	.0077	.0169
%RSD	24.90	1.630	72.83	.5552	.2464	529.7	116.2
#1	.0069	236.1	.0126	1.654	30.78	-.0081	.0223
#2	.0051	241.3	.0021	1.648	30.72	-.0033	-.0048
#3	.0085	233.7	.0173	1.636	30.63	.0070	.0262

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0135	-.0071	.0118	.0223	.0017	.0208	.0012
SDev	.0073	.0112	.0123	.0043	.0186	.0001	.0082
%RSD	53.98	157.2	104.1	19.45	1113.	.5764	707.4
#1	.0189	-.0050	.0242	.0254	.0193	.0208	.0024
#2	.0052	-.0192	-.0003	.0174	-.0177	.0210	-.0076
#3	.0165	.0029	.0114	.0243	.0035	.0207	.0087

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0004	.0411	.2898	.0015	.0150	.0001
SDev	.0051	.0006	.0128	.0510	.0006	.0062	.0003

Analysis Report

Mon 09-11-95 03:49:09 PM

%RSD	467.9	137.1	31.25	17.60	42.66	41.25	269.3
#1	.0062	.0007	.0280	.3125	.0014	.0128	.0001
#2	.0011	-.0002	.0415	.2314	.0009	.0102	-.0002
#3	-.0040	.0007	.0537	.3255	.0022	.0220	.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0117	.0004
SDev	.0004	.0009
%RSD	3.420	225.7
#1	.0118	.0005
#2	.0112	-.0005
#3	.0120	.0012

Analysis Report Mon 09-11-95 03:52:39 PM page

Method: ICP1 Sample Name: 95-007946-C2 Operator: DRS
Run Time: 09/11/95 15:51:19
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	64.84	.1593	.1229	.0018	.0001	.0276
SDev	.0015	.53	.0128	.0008	.0003	.0000	.0079
%RSD	37.05	.8140	8.011	.6301	17.69	16.68	28.64
#1	.0055	64.38	.1740	.1222	.0020	.0002	.0365
#2	.0026	65.42	.1529	.1228	.0014	.0001	.0215
#3	.0038	64.73	.1511	.1237	.0019	.0001	.0247

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1557	.0023	.0286	.1372	.7500	.0012	.0046
SDev	.0020	.0003	.0102	.0018	.0028	.0015	.0013
%RSD	1.292	15.03	35.80	1.307	.3737	122.0	27.35
#1	.1567	.0023	.0357	.1387	.7482	.0029	.0057
#2	.1571	.0027	.0169	.1352	.7533	.0000	.0032
#3	.1534	.0020	.0332	.1378	.7486	.0008	.0049

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	4.771	13.75	.0079	.0046	.0557	.0014
SDev	.0004	.015	.08	.0026	.0017	.0060	.0003
%RSD	23.16	.3121	.5482	32.53	37.18	10.86	19.83
#1	.0020	4.756	13.77	.0090	.0058	.0627	.0017
#2	.0012	4.786	13.82	.0049	.0026	.0525	.0013
#3	.0017	4.772	13.67	.0097	.0054	.0519	.0012

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0467	1116.	.0254	8.140	159.2	.0253	.0714
SDev	.0010	14.	.0079	.021	.8	.0107	.0286
%RSD	2.258	1.275	31.13	.2537	.4802	42.30	40.15
#1	.0477	1105.	.0330	8.119	158.3	.0306	.0993
#2	.0469	1132.	.0172	8.160	159.8	.0130	.0420
#3	.0456	1112.	.0260	8.142	159.4	.0323	.0728

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0616	.0110	.0393	.1742	.1174	.0228	.0477
SDev	.0107	.0042	.0098	.0065	.0340	.0006	.0123
%RSD	17.47	37.83	24.84	3.725	28.92	2.579	25.86
#1	.0693	.0154	.0434	.1761	.1280	.0229	.0589
#2	.0493	.0103	.0464	.1670	.0794	.0234	.0345
#3	.0661	.0072	.0282	.1796	.1447	.0222	.0496

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0096	.0019	.1819	.7564	.0058	.1154	.0014
SDev	.0043	.0006	.0061	.1139	.0012	.0035	.0005

%RSD	44.40	30.27	3.355	15.06	20.38	3.029	32.77
#1	.0074	.0024	.1862	.8299	.0067	.1141	.0017
#2	.0069	.0013	.1749	.6252	.0045	.1194	.0009
#3	.0145	.0019	.1847	.8141	.0062	.1128	.0017

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0018	.0024
SDev	.0000	.0010
%RSD	.6203	42.55
#1	-.0018	.0033
#2	-.0018	.0013
#3	-.0018	.0025

Analysis Report QC Standard Mon 09-11-95 03:55:59 PM page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 15:54:40
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS 9/11

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4677	23.76	2.542	1.884	.4865	.0917	23.53
SDev	.0006	.03	.006	.009	.0008	.0001	.04
%RSD	.1183	.1106	.2271	.4687	.1670	.0848	.1589
#1	.4671	23.79	2.537	1.887	.4874	.0918	23.53
#2	.4677	23.75	2.549	1.892	.4862	.0917	23.56
#3	.4682	23.74	2.542	1.874	.4858	.0916	23.49
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	24.09	.4809	-.0169	.9959	.9976	.9644	.0026
SDev	.03	.0062	.0029	.0013	.0024	.0003	.0007
%RSD	.1121	1.294	17.01	.1319	.2378	.0258	27.04
#1	24.06	.4792	-.0163	.9953	.9949	.9645	.0018
#2	24.12	.4757	-.0200	.9950	.9993	.9641	.0030
#3	24.10	.4878	-.0143	.9974	.9985	.9646	.0030
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	.0026	19.68	24.76	.0090	1.810	25.63	.4937
SDev	.0000	.01	.24	.0014	.012	.03	.0004
%RSD	.3169	.0365	.9583	15.02	.6823	.1027	.0735
#1	.0026	19.67	25.02	.0074	1.824	25.64	.4932
#2	.0026	19.69	24.56	.0094	1.802	25.64	.4939
#3	.0026	19.69	24.70	.0100	1.803	25.60	.4938
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	.9904	24.11	.0246	1.026	.1037	2.538	.0088
SDev	.0020	.14	.0019	.003	.0085	.008	.0082
%RSD	.1978	.5603	7.872	.2964	8.240	.3135	93.39
#1	.9883	24.26	.0244	1.023	.1090	2.545	-.0001
#2	.9922	23.99	.0228	1.029	.1083	2.529	.0160
#3	.9907	24.08	.0266	1.027	.0938	2.539	.0105
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	.0127	2.489	2.419	18.50	-.0231	.4914	.0043
SDev	.0034	.009	.004	.02	.0104	.0003	.0058
%RSD	26.95	.3806	.1535	.0895	44.88	.0618	136.1
#1	.0091	2.487	2.415	18.48	-.0348	.4918	-.0022
#2	.0129	2.481	2.420	18.51	-.0192	.4913	.0089
#3	.0160	2.500	2.422	18.50	-.0152	.4912	.0061
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	.0419	.9596	2.433	.2807	.9732	.0281	.0006
SDev	.0044	.0013	.015	.0177	.0003	.0039	.0002
%RSD	10.52	.1341	.6092	6.312	.0336	13.72	28.34
#1	.0369	.9591	2.448	.3010	.9735	.0276	.0007
#2	.0436	.9610	2.418	.2721	.9733	.0321	.0004
#3	.0453	.9586	2.434	.2688	.9729	.0245	.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	1.001	1.973
SDev	.004	.002
%RSD	.3495	.0832
#1	1.004	1.975
#2	.9975	1.972
#3	.9997	1.971
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Mon 09-11-95 03:59:51 PM page

Method: ICP1 Sample Name: SST-ICS-0 9509081100 Operator: DRS
Run Time: 09/11/95 15:58:32
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0142	96.25	.1229	-.0117	-.0004	.0006	.0550
SDev	.0039	2.66	.0153	.0017	.0007	.0001	.0094
%RSD	27.42	2.764	12.48	14.27	167.5	8.028	17.00
#1	-.0097	93.18	.1390	-.0099	.0004	.0007	.0639
#2	-.0164	97.72	.1084	-.0119	-.0008	.0006	.0453
#3	-.0165	97.85	.1214	-.0132	-.0008	.0006	.0560

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0659	.0077	-.1608	.0021	.0376	-.0183	-.0043
SDev	.0030	.0022	.0294	.0024	.0011	.0058	.0030
%RSD	4.596	29.03	18.30	116.8	2.842	31.59	69.23
#1	.0693	.0099	-.1268	.0049	.0388	-.0117	-.0009
#2	.0650	.0055	-.1775	.0005	.0369	-.0214	-.0057
#3	.0635	.0076	-.1781	.0009	.0371	-.0219	-.0064

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	19.69	-.1536	.0009	.0027	.2758	.0008
SDev	.0009	.41	.4893	.0054	.0024	.0172	.0004
%RSD	527.0	2.089	318.6	593.9	91.51	6.234	50.34
#1	.0012	19.22	.4113	.0070	.0051	.2950	.0013
#2	-.0004	19.88	-.4278	-.0011	.0002	.2620	.0006
#3	-.0003	19.97	-.4442	-.0032	.0027	.2703	.0006

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	.0202	-.0245	51.46	.0414	.1715	-.5018
SDev	.0012	.0389	.0189	.96	.0368	.0159	.0628
%RSD	18.95	192.3	77.16	1.874	88.86	9.264	12.52
#1	.0074	.0626	-.0027	50.36	.0769	.1898	-.4294
#2	.0064	.0119	-.0347	51.87	.0441	.1621	-.5419
#3	.0050	-.0139	-.0362	52.15	.0034	.1625	-.5340

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0520	-.0034	.0161	.0148	-.0188	-.0005	-.0107
SDev	.0224	.0070	.0139	.0174	.0797	.0002	.0218
%RSD	43.12	205.7	86.55	117.3	423.5	47.44	202.8
#1	-.0261	.0022	.0292	.0344	.0732	-.0002	.0143
#2	-.0651	-.0113	.0176	.0013	-.0636	-.0006	-.0250
#3	-.0648	-.0011	.0015	.0087	-.0661	-.0007	-.0216

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7349	.0005	.2112	50.19	.0013	.0340	.0031
SDev	.0120	.0013	.0041	1.35	.0025	.0082	.0011

%RSD	1.631	271.1	1.948	2.690	187.8	24.04	34.35
#1	.7283	.0019	.2085	48.64	.0041	.0263	.0044
#2	.7487	-.0000	.2093	50.85	-.0000	.0426	.0026
#3	.7276	-.0005	.2160	51.09	-.0002	.0332	.0024

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0299	9.911
SDev	.0038	.252
%RSD	12.84	2.544
#1	-.0261	9.623
#2	-.0298	10.02
#3	-.0338	10.09

Analysis Report Mon 09-11-95 04:03:36 PM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 16:02:17
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)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	.0004	.0014	-.0097	-.0004	-.0000	.0002
SDev	.0006	.0028	.0039	.0016	.0001	.0000	.0034
%RSD	43.92	686.4	284.2	16.06	34.63	118.6	2063.
#1	-.0007	.0035	.0058	-.0112	-.0002	-.0001	.0006
#2	-.0019	-.0006	-.0007	-.0081	-.0005	-.0000	-.0035
#3	-.0018	-.0018	-.0010	-.0098	-.0005	-.0000	.0033

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0003	-.0094	-.0014	-.0015	-.0044	-.0013
SDev	.0016	.0006	.0086	.0002	.0014	.0010	.0006
%RSD	995.3	228.8	91.48	16.90	92.01	21.81	47.58
#1	.0016	-.0008	.0001	-.0017	-.0024	-.0039	-.0007
#2	-.0015	.0004	-.0118	-.0014	.0001	-.0055	-.0019
#3	.0004	-.0004	-.0166	-.0012	-.0022	-.0037	-.0012

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	.0015	-.3565	-.0018	-.0013	-.0048	-.0003
SDev	.0003	.0007	.1835	.0010	.0007	.0067	.0002
%RSD	63.83	46.81	51.46	57.44	56.69	138.6	83.94
#1	-.0002	.0023	-.1481	-.0007	-.0005	.0015	-.0003
#2	-.0008	.0014	-.4936	-.0018	-.0015	-.0041	-.0004
#3	-.0005	.0009	-.4278	-.0028	-.0018	-.0118	-.0000

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	.0045	-.0068	.0019	-.0063	-.0173	-.0243
SDev	.0006	.0136	.0060	.0025	.0092	.0039	.0101
%RSD	41.12	302.8	87.00	133.3	146.0	22.28	41.65
#1	-.0019	-.0054	-.0002	.0048	.0033	-.0147	-.0128
#2	-.0008	-.0011	-.0117	-.0000	-.0151	-.0217	-.0318
#3	-.0016	.0200	-.0086	.0009	-.0071	-.0154	-.0282

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0115	-.0052	.0021	-.0205	-.0527	-.0002	-.0090
SDev	.0058	.0042	.0110	.0058	.0209	.0000	.0026
%RSD	50.43	80.00	530.6	28.28	39.64	1.889	28.77
#1	-.0050	-.0004	.0120	-.0147	-.0415	-.0002	-.0061
#2	-.0161	-.0072	-.0098	-.0263	-.0398	-.0002	-.0111
#3	-.0133	-.0081	.0041	-.0204	-.0768	-.0002	-.0096

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0049	-.0004	.0073	-.1625	-.0010	-.0092	-.0008
SDev	.0068	.0002	.0066	.0416	.0004	.0059	.0000

Analysis Report Mon 09-11-95 04:03:36 PM page 2

%RSD	138.3	53.19	89.79	25.60	44.84	63.96	4.158
#1	.0018	-.0003	.0009	-.1150	-.0005	-.0134	-.0009
#2	-.0118	-.0002	.0070	-.1800	-.0011	-.0025	-.0008
#3	-.0048	-.0006	.0141	-.1925	-.0013	-.0116	-.0008

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0001	.0001
SDev	.0003	.0008
%RSD	222.3	647.5
#1	.0001	.0003
#2	-.0004	.0008
#3	-.0001	-.0008

Analysis Report Mon 09-11-95 04:05:53 PM page

Method: ICP1 Sample Name: 95-007947-C1 @5 Operator: DRS
Run Time: 09/11/95 16:04:34
Comment: SLUDGE SAMPLE @5X DILTE (BY-108 WATER LEACH)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	9.356	.0270	.0328	-.0001	-.0001	.0045
SDev	.0012	.066	.0097	.0027	.0002	.0000	.0041
%RSD	82.78	.7092	35.86	8.109	230.1	20.39	89.88
#1	-.0011	9.307	.0162	.0309	-.0001	-.0001	.0025
#2	-.0004	9.328	.0348	.0317	.0001	-.0001	.0019
#3	-.0028	9.431	.0299	.0358	-.0002	-.0001	.0092

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2047	-.0002	-.0053	.0224	.0499	-.0031	-.0011
SDev	.0006	.0006	.0075	.0001	.0011	.0004	.0007
%RSD	.2768	412.6	141.0	.6602	2.300	11.49	67.99
#1	.2044	-.0009	.0011	.0224	.0511	-.0030	-.0007
#2	.2054	.0002	-.0035	.0225	.0497	-.0029	-.0007
#3	.2044	.0002	-.0135	.0222	.0488	-.0035	-.0020

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.8236	1.832	-.0012	-.0003	.0090	.0009
SDev	.0002	.0042	.126	.0009	.0004	.0018	.0002
%RSD	40.84	.5126	6.860	75.00	157.6	20.16	16.56
#1	-.0004	.8194	1.941	-.0006	.0002	.0103	.0008
#2	-.0002	.8234	1.859	-.0008	-.0005	.0099	.0011
#3	-.0005	.8279	1.695	-.0023	-.0005	.0069	.0009

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	266.1	-.0055	1.917	38.40	-.0114	-.0227
SDev	.0011	2.0	.0041	.008	.23	.0112	.0148
%RSD	25.65	.7494	75.83	.3949	.5990	97.51	65.21
#1	.0051	266.1	-.0021	1.909	38.18	-.0077	-.0175
#2	.0045	264.0	-.0042	1.925	38.36	-.0027	-.0111
#3	.0030	268.0	-.0101	1.918	38.64	-.0240	-.0393

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0054	-.0102	.0046	.0714	-.0598	.0052	-.0056
SDev	.0070	.0020	.0070	.0086	.0116	.0001	.0059
%RSD	129.8	19.98	152.3	12.05	19.33	1.205	104.3
#1	.0000	-.0081	.0117	.0783	-.0586	.0052	-.0006
#2	-.0029	-.0122	.0041	.0742	-.0489	.0052	-.0043
#3	-.0132	-.0102	-.0021	.0618	-.0720	.0051	-.0121

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0042	-.0003	.0218	-.0309	.0001	.0107	-.0007
SDev	.0031	.0003	.0066	.0525	.0010	.0032	.0004

Analysis Report

Mon 09-11-95 04:05:53 PM

%RSD	74.02	84.39	30.05	170.2	866.2	29.96	62.60
#1	-.0008	-.0000	.0206	.0153	.0002	.0106	-.0006
#2	-.0049	-.0004	.0159	-.0199	.0011	.0076	-.0003
#3	-.0069	-.0006	.0288	-.0880	-.0009	.0140	-.0012

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0032	.0008
SDev	.0004	.0010
%RSD	12.84	116.2
#1	.0037	.0014
#2	.0030	.0014
#3	.0029	-.0003

Analysis Report Mon 09-11-95 04:09:26 PM page

Method: ICP1 Sample Name: 95-007947-C1 Operator: DRS
Run Time: 09/11/95 16:08:07
Comment: SLUDGE SAMPLE (BY-108 WATER LEACH)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	46.05	.1937	.2051	.0007	.0000	.0276
SDev	.0015	.25	.0039	.0015	.0003	.0000	.0094
%RSD	1579.	.5343	2.028	.7283	50.66	88.93	33.98
#1	.0004	46.12	.1893	.2066	.0007	.0000	.0348
#2	.0011	45.77	.1967	.2053	.0011	.0000	.0309
#3	-.0017	46.25	.1953	.2036	.0003	.0000	.0170

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4154	.0004	.0070	.1152	.2539	.0063	.0011
SDev	.0312	.0010	.0072	.0008	.0017	.0007	.0011
%RSD	7.521	234.4	101.6	.7147	.6774	11.46	104.8
#1	.4001	.0015	.0115	.1161	.2525	.0072	.0013
#2	.4513	.0005	.0108	.1148	.2535	.0058	.0021
#3	.3948	-.0006	-.0012	.1146	.2558	.0060	-.0001

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	3.825	9.652	.0020	.0031	.0448	.0036
SDev	.0002	.010	.138	.0015	.0018	.0086	.0004
%RSD	39.29	.2688	1.430	77.51	56.79	19.30	11.99
#1	.0006	3.817	9.740	.0022	.0047	.0427	.0036
#2	.0007	3.837	9.724	.0034	.0033	.0543	.0041
#3	.0003	3.821	9.493	.0004	.0012	.0374	.0032

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0353	1218.	.0065	9.435	198.3	.0115	.0021
SDev	.0011	8.	.0029	.045	.9	.0069	.0246
%RSD	3.091	.6286	44.84	.4821	.4495	60.71	1149.
#1	.0349	1220.	.0082	9.438	198.4	.0115	.0048
#2	.0365	1210.	.0081	9.388	197.3	.0184	.0253
#3	.0344	1224.	.0031	9.479	199.1	.0045	-.0237

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0312	.0133	.0459	.3258	.0009	.0146	.0568
SDev	.0093	.0082	.0019	.0032	.0223	.0010	.0061
%RSD	29.78	61.49	4.127	.9692	2520.	6.534	10.71
#1	.0310	.0227	.0474	.3288	.0097	.0141	.0638
#2	.0406	.0089	.0464	.3225	.0174	.0157	.0542
#3	.0220	.0083	.0437	.3260	-.0244	.0140	.0525

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0089	.0007	.1676	.4790	.0052	.0907	.0001
SDev	.0046	.0006	.0084	.1217	.0007	.0098	.0004

ysis Report

Mon 09-11-95 04:09:26 PM page 2

SD	51.77	81.14	5.031	25.40	12.70	10.77	309.6
#1	.0122	.0007	.1722	.4344	.0056	.0882	.0000
#2	.0036	.0012	.1728	.6167	.0055	.1014	.0006
#3	.0107	.0001	.1579	.3859	.0044	.0824	-.0002

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0001	.0004
SDev	.0006	.0011
%RSD	453.8	255.8
#1	.0003	.0007
#2	.0006	.0014
#3	-.0005	-.0008

Analysis Report Mon 09-11-95 04:13:08 PM page

Method: ICP1 Sample Name: 95-007947-C2 @5 Operator: DRS
Run Time: 09/11/95 16:11:49
Comment: SLUDGE SAMPLE DUPLICATE @5X DIL(BY-108 WATER LEACH)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	10.69	.0227	.0377	.0001	-.0001	.0031
SDev	.0004	.02	.0084	.0011	.0001	.0000	.0054
%RSD	13.39	.1406	37.19	2.913	99.06	1.270	176.7
#1	-.0030	10.70	.0195	.0378	.0002	-.0001	-.0020
#2	-.0023	10.69	.0323	.0366	.0001	-.0001	.0024
#3	-.0029	10.67	.0163	.0387	.0000	-.0001	.0089

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3027	.0007	-.0155	.0249	.0567	-.0035	-.0018
SDev	.0016	.0012	.0045	.0003	.0014	.0005	.0002
%RSD	.5243	160.8	28.74	1.008	2.464	14.50	9.155
#1	.3039	-.0006	-.0162	.0247	.0562	-.0032	-.0019
#2	.3033	.0011	-.0196	.0252	.0557	-.0032	-.0017
#3	.3009	.0017	-.0107	.0247	.0583	-.0040	-.0020

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	1.017	1.821	-.0031	-.0006	.0124	.0020
SDev	.0000	.003	.091	.0011	.0005	.0030	.0002
%RSD	1.505	.3095	4.977	36.62	87.01	24.46	11.23
#1	-.0005	1.020	1.728	-.0043	-.0005	.0090	.0022
#2	-.0005	1.018	1.826	-.0024	-.0001	.0148	.0022
#3	-.0005	1.014	1.909	-.0024	-.0012	.0135	.0018

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	304.9	-.0112	1.682	48.54	-.0166	-.0423
SDev	.0005	.5	.0031	.007	.01	.0024	.0017
%RSD	11.12	.1516	27.63	.3959	.0298	14.49	4.101
#1	.0048	304.4	-.0122	1.685	48.55	-.0153	-.0403
#2	.0043	305.1	-.0137	1.687	48.54	-.0151	-.0431
#3	.0038	305.3	-.0077	1.675	48.52	-.0193	-.0434

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0123	-.0092	.0071	.0443	-.0661	.0105	-.0038
SDev	.0019	.0060	.0043	.0028	.0190	.0000	.0102
%RSD	15.43	65.01	60.14	6.326	28.75	.0024	267.4
#1	-.0122	-.0156	.0046	.0422	-.0446	.0105	.0018
#2	-.0105	-.0084	.0047	.0474	-.0804	.0105	-.0156
#3	-.0143	-.0037	.0120	.0432	-.0734	.0105	.0023

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	-.0008	.0308	-.0805	-.0007	.0069	-.0010
SDev	.0026	.0003	.0047	.0056	.0003	.0076	.0002

Analysis Report Mon 09-11-95 04:13:08 PM page 2

%RSD	81.92	38.70	15.24	7.015	45.71	110.2	18.19
#1	.0003	-.0011	.0304	-.0775	-.0008	.0140	-.0012
#2	.0052	-.0006	.0357	-.0770	-.0003	.0079	-.0009
#3	.0040	-.0006	.0263	-.0870	-.0010	-.0011	-.0009

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0025	-.0022
SDev	.0003	.0004
%RSD	10.54	19.36
#1	.0022	-.0017
#2	.0027	-.0023
#3	.0025	-.0025

Analysis Report Mon 09-11-95 04:18:06 PM page

Method: ICP1 Sample Name: 95-007947-C2 Operator: DRS
Run Time: 09/11/95 16:16:46
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)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	52.30	.1839	.2197	.0024	.0000	.0387
SDev	.0014	.66	.0129	.0044	.0002	.0000	.0046
%RSD	186.7	1.263	7.027	2.011	8.685	127.5	11.82
#1	-.0023	53.06	.1692	.2247	.0021	-.0000	.0434
#2	.0001	51.93	.1887	.2178	.0025	.0001	.0384
#3	.0000	51.91	.1937	.2165	.0025	.0000	.0342

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.047	-.0001	-.0019	.1259	.2765	.0068	-.0001
SDev	.059	.0017	.0070	.0010	.0030	.0014	.0011
%RSD	5.653	2295.	376.6	.8127	1.098	20.29	1522.
#1	1.103	.0017	-.0100	.1265	.2731	.0052	-.0014
#2	1.053	-.0003	.0022	.1264	.2788	.0075	.0008
#3	.9848	-.0016	.0022	.1247	.2777	.0077	.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	4.717	11.47	.0004	.0014	.1030	.0095
SDev	.0004	.081	.02	.0035	.0004	.0051	.0003
%RSD	122.5	1.722	.1435	882.6	29.47	4.972	3.175
#1	-.0001	4.802	11.47	-.0036	.0011	.1087	.0097
#2	.0005	4.708	11.45	.0026	.0011	.1013	.0097
#3	.0005	4.640	11.48	.0022	.0018	.0989	.0091

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0379	1415.	.0020	8.064	247.5	.0272	-.0179
SDev	.0014	21.	.0065	.069	2.4	.0122	.0133
%RSD	3.601	1.514	324.7	.8514	.9546	44.73	74.30
#1	.0384	1440.	-.0054	8.140	250.2	.0136	-.0326
#2	.0364	1401.	.0044	8.047	246.5	.0310	-.0067
#3	.0390	1404.	.0069	8.006	245.8	.0371	-.0144

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0245	.0094	.0359	.3540	.0050	.0409	.0543
SDev	.0081	.0069	.0078	.0066	.0556	.0023	.0029
%RSD	32.87	73.18	21.76	1.854	1104.	5.647	5.260
#1	.0152	.0122	.0272	.3563	-.0590	.0432	.0510
#2	.0296	.0016	.0382	.3590	.0410	.0410	.0557
#3	.0288	.0144	.0423	.3466	.0332	.0386	.0562

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0144	.0006	.1570	.7448	.0053	.0879	-.0000
SDev	.0064	.0008	.0103	.0537	.0011	.0100	.0006

Analysis Report Mon 09-11-95 04:18:06 PM page 2

%RSD	44.22	131.5	6.555	7.210	20.57	11.43	2062.
#1	.0075	-.0002	.1505	.6986	.0041	.0897	-.0007
#2	.0201	.0013	.1688	.8037	.0061	.0771	.0001
#3	.0157	.0007	.1516	.7320	.0057	.0969	.0005

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0056	.0001
SDev	.0006	.0006
%RSD	10.88	516.6
#1	.0060	-.0004
#2	.0058	.0009
#3	.0049	-.0001

Analysis Report Mon 09-11-95 04:21:27 PM page

Method: ICP1 Sample Name: 95-007948-C1 @5 Operator: DRS
Run Time: 09/11/95 16:20:08
Comment: SLUDGE SAMPLE @5X DIL (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	8.714	.0156	.0331	.0000	-.0000	-.0014
SDev	.0007	.020	.0018	.0017	.0003	.0000	.0087
%RSD	35.31	.2342	11.68	5.096	616.5	53.72	638.0
#1	-.0026	8.736	.0177	.0317	-.0002	-.0001	-.0067
#2	-.0017	8.709	.0141	.0327	.0002	-.0000	.0087
#3	-.0014	8.697	.0151	.0350	.0001	-.0000	-.0060

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0724	-.0003	-.0102	.0226	.0762	-.0042	-.0011
SDev	.0021	.0012	.0014	.0005	.0030	.0000	.0002
%RSD	2.931	361.2	14.18	2.368	3.921	1.174	18.35
#1	.0699	.0011	-.0118	.0221	.0770	-.0041	-.0012
#2	.0737	-.0009	-.0094	.0231	.0787	-.0042	-.0012
#3	.0735	-.0011	-.0093	.0226	.0729	-.0042	-.0009

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.7048	1.678	-.0030	-.0004	.0102	.0013
SDev	.0002	.0025	.066	.0011	.0005	.0036	.0001
%RSD	60.20	.3484	3.922	36.63	149.5	35.10	11.31
#1	-.0005	.7051	1.612	-.0042	-.0005	.0071	.0014
#2	-.0002	.7071	1.678	-.0030	-.0008	.0093	.0011
#3	-.0002	.7022	1.744	-.0020	.0002	.0141	.0013

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0041	280.8	-.0081	1.317	49.87	-.0083	-.0271
SDev	.0006	2.9	.0009	.004	.15	.0040	.0146
%RSD	13.83	1.044	11.61	.3212	.2967	48.55	53.88
#1	.0035	284.0	-.0091	1.316	50.03	-.0059	-.0436
#2	.0046	278.2	-.0073	1.322	49.83	-.0130	-.0159
#3	.0041	280.2	-.0078	1.314	49.74	-.0061	-.0218

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0095	-.0069	-.0088	.0380	-.0610	.0065	.0036
SDev	.0042	.0019	.0051	.0041	.0068	.0000	.0014
%RSD	44.35	27.69	58.46	10.67	11.08	.0337	38.79
#1	-.0144	-.0047	-.0046	.0404	-.0688	.0065	.0028
#2	-.0072	-.0083	-.0145	.0404	-.0563	.0065	.0052
#3	-.0070	-.0076	-.0072	.0334	-.0579	.0065	.0028

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0024	-.0003	.0242	-.0211	.0001	.0179	-.0008
SDev	.0049	.0001	.0018	.0248	.0005	.0043	.0002

Analysis Report

Mon 09-11-95 04:21:27 PM

%RSD	203.1	37.82	7.458	117.3	979.0	24.14	21.91
#1	.0031	-.0005	.0254	-.0483	-.0005	.0155	-.0009
#2	-.0065	-.0003	.0249	.0004	.0006	.0229	-.0009
#3	-.0038	-.0003	.0221	-.0156	.0001	.0153	-.0006

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0009	-.0013
SDev	.0001	.0004
%RSD	15.86	33.14
#1	.0009	-.0017
#2	.0011	-.0009
#3	.0008	-.0012

Analysis Report Mon 09-11-95 04:25:22 PM page

Method: ICP1 Sample Name: 95-007948-C1 Operator: DRS
Run Time: 09/11/95 16:24:02
Comment: SLUDGE SAMPLE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	44.21	.1496	.2089	.0009	.0000	.0179
SDev	.0013	.33	.0071	.0021	.0003	.0001	.0064
%RSD	117.9	.7549	4.743	.9904	33.22	113.8	35.93
#1	.0002	43.83	.1575	.2066	.0013	.0001	.0244
#2	-.0025	44.42	.1437	.2094	.0008	.0000	.0115
#3	-.0010	44.40	.1476	.2106	.0007	.0000	.0177

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1966	.0006	-.0030	.1138	.3799	.0001	.0001
SDev	.0104	.0001	.0070	.0015	.0045	.0018	.0010
%RSD	5.279	21.51	230.7	1.307	1.183	1237.	1312.
#1	.1959	.0005	.0028	.1152	.3781	.0022	.0012
#2	.1865	.0007	-.0109	.1139	.3766	-.0007	-.0003
#3	.2073	.0007	-.0011	.1122	.3850	-.0011	-.0007

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	3.227	9.768	.0000	.0016	.0363	.0038
SDev	.0003	.022	.149	.0020	.0013	.0099	.0001
%RSD	139.9	.6731	1.528	5802.	78.40	27.21	3.773
#1	.0005	3.212	9.938	.0023	.0030	.0468	.0039
#2	-.0000	3.219	9.658	-.0008	.0013	.0271	.0037
#3	.0002	3.252	9.707	-.0014	.0006	.0351	.0040

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0301	1320.	.0025	6.522	261.6	.0062	-.0126
SDev	.0016	13.	.0076	.011	1.1	.0133	.0244
%RSD	5.251	.9622	296.4	.1737	.4064	213.7	193.5
#1	.0319	1306.	.0110	6.510	260.4	.0215	.0155
#2	.0295	1329.	.0002	6.533	262.0	-.0002	-.0261
#3	.0290	1326.	-.0035	6.524	262.4	-.0026	-.0272

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0199	.0019	.0273	.3483	-.0052	.0162	.0505
SDev	.0083	.0053	.0040	.0003	.0213	.0008	.0037
%RSD	41.79	279.1	14.73	.0929	412.4	4.617	7.412
#1	.0294	-.0012	.0253	.3487	.0183	.0159	.0520
#2	.0141	-.0011	.0247	.3483	-.0105	.0156	.0532
#3	.0162	.0081	.0319	.3480	-.0234	.0170	.0462

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0096	-.0000	.1421	.4966	.0049	.1121	-.0004
SDev	.0035	.0007	.0115	.1216	.0007	.0073	.0003

%RSD	36.98	3868.	8.064	24.49	13.89	6.534	77.13
#1	.0131	.0008	.1474	.6356	.0057	.1198	-.0000
#2	.0096	-.0004	.1290	.4447	.0046	.1053	-.0005
#3	.0060	-.0005	.1500	.4096	.0045	.1113	-.0005

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0006	-.0010
SDev	.0008	.0008
%RSD	133.5	82.10
#1	-.0002	-.0001
#2	.0006	-.0018
#3	.0014	-.0011

Analysis Report Mon 09-11-95 04:29:04 PM page

Method: ICP1 Sample Name: 95-007948-C2 @5 Operator: DRS
Run Time: 09/11/95 16:27:45
Comment: SLUDGE SAMPLE DUPLICATE @5X DIL(BY-108 WATER LEACH)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	10.24	.0384	.0454	.0003	-.0000	.0042
SDev	.0004	.06	.0057	.0011	.0001	.0000	.0038
%RSD	11.02	.5834	14.98	2.388	49.05	63.90	90.06
#1	-.0031	10.18	.0448	.0465	.0004	-.0000	.0014
#2	-.0037	10.26	.0368	.0454	.0004	-.0001	.0027
#3	-.0038	10.29	.0336	.0443	.0001	-.0000	.0084

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2000	.0000	-.0186	.0244	.0861	-.0052	-.0026
SDev	.0009	.0013	.0048	.0005	.0031	.0010	.0006
%RSD	.4631	135800.	25.97	1.985	3.638	19.43	23.65
#1	.2010	-.0005	-.0142	.0249	.0887	-.0044	-.0019
#2	.1997	-.0011	-.0238	.0243	.0826	-.0063	-.0030
#3	.1992	.0015	-.0179	.0239	.0869	-.0049	-.0030

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.9510	1.854	-.0048	-.0016	.0372	.0028
SDev	.0003	.0032	.091	.0017	.0010	.0048	.0001
%RSD	39.67	.3354	4.888	36.08	61.07	12.85	2.272
#1	-.0004	.9480	1.958	-.0029	-.0022	.0427	.0028
#2	-.0009	.9544	1.793	-.0053	-.0005	.0338	.0027
#3	-.0009	.9505	1.810	-.0062	-.0022	.0352	.0027

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	446.2	-.0156	1.471	66.97	-.0156	-.0500
SDev	.0011	6.3	.0018	.007	.14	.0077	.0122
%RSD	34.35	1.416	11.36	.4957	.2162	49.55	24.37
#1	.0021	439.1	-.0144	1.470	66.87	-.0096	-.0361
#2	.0037	448.3	-.0148	1.465	66.90	-.0129	-.0589
#3	.0043	451.3	-.0176	1.479	67.13	-.0244	-.0550

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0191	-.0089	.0015	.0444	-.0915	.0093	.0022
SDev	.0078	.0072	.0035	.0030	.0187	.0001	.0039
%RSD	40.61	80.74	232.4	6.672	20.46	.6687	177.2
#1	-.0102	-.0073	.0004	.0476	-.0700	.0093	.0051
#2	-.0234	-.0026	.0055	.0440	-.1003	.0092	.0038
#3	-.0238	-.0167	-.0013	.0417	-.1043	.0092	-.0023

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0009	.0310	-.0147	-.0010	.0136	-.0014
SDev	.0029	.0003	.0040	.0584	.0007	.0045	.0001

Analysis Report

Mon 09-11-95 04:29:04 PM

%RSD	742.7	32.93	12.90	396.2	71.15	33.26	10.20
#1	-.0027	-.0006	.0272	.0504	-.0002	.0108	-.0013
#2	-.0013	-.0011	.0306	-.0324	-.0015	.0111	-.0015
#3	.0029	-.0010	.0351	-.0623	-.0013	.0188	-.0015

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0020	-.0025
SDev	.0007	.0009
%RSD	33.80	34.03
#1	.0018	-.0016
#2	.0028	-.0029
#3	.0014	-.0032

Analysis Report Mon 09-11-95 04:32:39 PM page

Method: ICP1 Sample Name: 95-007948-C2 Operator: DRS
Run Time: 09/11/95 16:31:20
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0042	48.15	.2878	.2489	-.0001	-.0001	.0083
SDev	.0017	.36	.0084	.0024	.0003	.0000	.0029
%RSD	41.02	.7486	2.914	.9431	222.2	62.05	34.13
#1	-.0052	48.21	.2877	.2506	-.0003	-.0001	.0056
#2	-.0052	48.47	.2963	.2463	-.0004	-.0001	.0082
#3	-.0022	47.76	.2795	.2500	.0002	-.0000	.0112

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2434	-.0015	-.0255	.1205	.4075	-.0016	-.0036
SDev	.0033	.0012	.0073	.0008	.0030	.0012	.0014
%RSD	1.351	75.29	28.45	.6492	.7297	77.10	38.22
#1	.2464	-.0023	-.0269	.1207	.4047	-.0019	-.0039
#2	.2399	-.0021	-.0319	.1196	.4072	-.0026	-.0048
#3	.2439	-.0002	-.0176	.1211	.4106	-.0002	-.0021

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	3.630	9.828	-.0058	-.0007	.0442	.0037
SDev	.0004	.011	.161	.0022	.0010	.0053	.0001
%RSD	48.90	.3083	1.643	37.47	138.6	11.88	1.675
#1	-.0008	3.631	9.921	-.0062	-.0001	.0457	.0037
#2	-.0011	3.641	9.641	-.0077	-.0019	.0384	.0036
#3	-.0004	3.618	9.921	-.0034	-.0001	.0486	.0037

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0327	1884.	-.0218	6.801	334.3	-.0025	-.0836
SDev	.0007	25.	.0106	.011	1.6	.0123	.0136
%RSD	2.033	1.302	48.59	.1677	.4656	489.7	16.22
#1	.0333	1896.	-.0265	6.791	334.1	-.0066	-.0865
#2	.0328	1900.	-.0292	6.813	336.0	-.0123	-.0956
#3	.0320	1856.	-.0097	6.798	332.9	.0113	-.0689

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0076	.0058	.0604	.3603	-.0882	.0110	.0658
SDev	.0110	.0179	.0176	.0019	.0417	.0002	.0052
%RSD	144.6	311.3	29.10	.5290	47.25	2.175	7.842
#1	-.0131	-.0129	.0699	.3581	-.0837	.0112	.0669
#2	-.0148	.0073	.0401	.3618	-.1319	.0110	.0601
#3	.0051	.0229	.0713	.3610	-.0489	.0108	.0703

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0115	-.0013	.1923	.7818	.0025	.1356	-.0021
SDev	.0059	.0005	.0027	.1217	.0010	.0062	.0006

%RSD	51.35	38.80	1.401	15.57	40.98	4.588	30.05
#1	.0110	-.0013	.1893	.7383	.0022	.1327	-.0025
#2	.0059	-.0017	.1944	.6878	.0017	.1313	-.0025
#3	.0177	-.0007	.1933	.9193	.0037	.1427	-.0014

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0023	-.0044
SDev	.0005	.0008
%RSD	22.59	18.22
#1	.0017	-.0042
#2	.0026	-.0052
#3	.0025	-.0037

Analysis Report QC Standard Mon 09-11-95 04:46:59 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 16:45:40
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

FAIL DKY 9/11/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.4448	22.72	2.391	Q1.795	.4621	Q.0859	Q22.22
SDev	.0217	1.58	.115	.113	.0338	.0053	1.33
%RSD	4.882	6.950	4.807	6.307	7.320	6.114	5.975
#1	.4580	23.65	2.463	1.863	.4829	Q.0890	23.07
#2	.4567	23.60	2.451	1.858	.4804	Q.0888	22.90
#3	Q.4198	Q20.89	2.258	Q1.665	Q.4231	Q.0798	Q20.69
Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	QC Fail	QC Fail
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	22.61	Q.4462	-.0021	.9354	.9311	.9197	.0045
SDev	1.12	.0223	.0421	.0469	.0467	.0641	.0052
%RSD	4.962	4.991	1977.	5.017	5.016	6.966	115.5
#1	23.27	.4574	-.0263	.9632	.9652	.9607	.0011
#2	23.25	.4606	-.0265	.9618	.9503	.9526	.0019
#3	Q21.32	Q.4205	.0465	Q.8812	Q.8779	Q.8459	.0105
Errors	QC Pass	QC Fail	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	.0029	18.44	26.55	.0112	1.858	24.12	.4617
SDev	.0015	1.08	1.97	.0086	.193	1.40	.0250
%RSD	51.42	5.876	7.415	77.25	10.39	5.792	5.418
#1	.0019	19.09	Q27.54	.0061	1.973	24.93	.4769
#2	.0021	19.04	Q27.84	.0063	1.966	24.92	.4753
#3	.0046	Q17.19	24.29	.0212	Q1.635	22.50	Q.4328
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	.9345	25.03	.0322	.9695	.0581	2.393	.0424
SDev	.0511	2.61	.0329	.0512	.0413	.084	.0920
%RSD	5.469	10.44	101.9	5.285	71.10	3.510	217.1
#1	.9645	26.60	.0133	.9934	.0634	2.442	-.0146
#2	.9634	26.48	.0133	1.005	.0144	2.442	-.0067
#3	Q.8755	Q22.01	.0702	.9107	.0965	2.296	.1484
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 Mon 09-11-95 04:46:59 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	.0316	2.345	2.288	Q17.46	.0484	.4680	.0152
SDev	.0423	.120	.144	1.03	.1292	.0336	.0265
%RSD	134.0	5.117	6.315	5.885	267.0	7.188	174.7
#1	.0068	2.403	2.367	18.06	-.0394	.4884	-.0045
#2	.0075	2.424	2.376	18.04	-.0121	.4865	.0047
#3	.0804	Q2.207	Q2.121	Q16.27	.1967	Q.4292	.0453
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	.0432	.9051	2.308	.4670	.9147	.0453	.0019
SDev	.0042	.0568	.126	.5081	.0528	.0170	.0020
%RSD	9.652	6.278	5.478	108.8	5.769	37.46	108.5
#1	.0389	.9399	2.376	.1455	.9465	.0371	.0006
#2	.0473	.9359	2.386	.2027	.9438	.0340	.0008
#3	.0434	Q.8395	Q2.162	1.053	Q.8538	.0648	.0042
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	.9450	1.861
SDev	.0477	.115
%RSD	5.050	6.177
#1	.9725	1.931
#2	.9725	1.924
#3	Q.8899	Q1.729
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Mon 09-11-95 04:52:30 PM page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 16:51:11
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Fail - Bi, U
DRS 9/11/

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4519	22.77	2.434	1.804	.4612	Q.0867	Q22.45
SDev	.0234	1.67	.145	.128	.0358	.0058	1.50
%RSD	5.184	7.334	5.948	7.100	7.767	6.706	6.660
#1	.4717	24.21	2.551	1.911	.4917	.0917	23.75
#2	.4581	23.18	2.479	1.838	.4701	Q.0882	22.79
#3	Q.4260	Q20.94	2.272	Q1.662	Q.4217	Q.0803	Q20.82
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail
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	23.06	.4592	.0248	.9550	.9499	.9180	.0082
SDev	1.28	.0244	.0339	.0531	.0586	.0660	.0047
%RSD	5.568	5.306	136.6	5.565	6.170	7.185	57.83
#1	24.16	.4810	.0004	1.000	1.003	.9743	.0043
#2	23.36	.4638	.0105	.9682	.9598	.9344	.0068
#3	Q21.65	Q.4329	.0636	Q.8965	Q.8870	Q.8454	.0135
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	.0041	18.68	26.28	.0175	1.803	24.42	.4682
SDev	.0013	1.20	1.89	.0086	.187	1.54	.0293
%RSD	32.64	6.401	7.186	49.15	10.38	6.315	6.246
#1	.0030	19.70	Q27.98	.0105	1.966	25.76	.4935
#2	.0038	18.96	26.63	.0149	1.845	24.78	.4749
#3	.0056	Q17.36	24.25	.0271	Q1.598	22.73	Q.4362
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	.9465	24.25	.0571	.9861	.0815	2.465	.1175
SDev	.0531	2.49	.0293	.0463	.0110	.113	.0879
%RSD	5.613	10.26	51.21	4.693	13.52	4.597	74.82
#1	.9920	26.40	.0364	1.027	.0688	2.561	.0434
#2	.9593	24.82	.0444	.9951	.0887	2.494	.0944
#3	Q.8881	Q21.52	.0906	.9359	.0871	2.340	.2145
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 Mon 09-11-95 04:52:30 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	.0632	2.375	2.313	Q17.67	.1220	.4682	.0205
SDev	.0384	.144	.142	1.12	.1152	.0361	.0178
%RSD	60.74	6.071	6.141	6.355	94.45	7.704	86.74
#1	.0338	2.494	2.439	18.64	.0379	.4987	.0068
#2	.0492	2.416	2.341	Q17.94	.0747	.4775	.0141
#3	.1067	Q2.214	Q2.159	Q16.44	.2533	Q.4284	.0406
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	.0452	.9120	2.337	.8363	.9262	.0445	.0035
SDev	.0037	.0628	.138	.5145	.0578	.0131	.0016
%RSD	8.086	6.884	5.901	61.53	6.240	29.37	46.49
#1	.0494	.9656	2.464	.4241	.9756	.0339	.0023
#2	.0432	.9274	2.356	.6718	.9405	.0404	.0028
#3	.0430	Q.8429	Q2.191	1.413	Q.8626	.0591	.0053
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	.9634	1.879
SDev	.0612	.125
%RSD	6.349	6.656
#1	1.017	1.986
#2	.9760	1.909
#3	Q.8969	Q1.741
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Mon 09-11-95 04:54:15 PM Page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/11/95 16:52:56
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DB 9/11/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4720	24.03	2.544	1.902	.4887	.0910	23.52
SDev	.0048	.29	.018	.015	.0062	.0010	.26
%RSD	1.013	1.188	.7172	.7825	1.261	1.083	1.117
#1	.4756	24.31	2.555	1.912	.4942	.0917	23.73
#2	.4738	24.05	2.555	1.910	.4898	.0914	23.61
#3	.4666	23.74	2.523	1.885	.4820	Q.0899	23.23
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	24.00	.4734	.0149	.9931	.9878	.9762	.0044
SDev	.24	.0022	.0070	.0113	.0062	.0135	.0010
%RSD	.9976	.4583	46.80	1.137	.6242	1.388	22.38
#1	24.15	.4758	.0073	1.000	.9858	.9871	.0033
#2	24.13	.4728	.0165	.9987	.9947	.9804	.0047
#3	23.72	.4716	.0211	.9801	.9829	.9610	.0051
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	19.56	27.45	.0115	1.938	25.57	.4901
SDev	.0003	.22	.76	.0008	.047	.29	.0059
%RSD	8.184	1.114	2.755	7.118	2.415	1.121	1.200
#1	.0029	19.71	Q28.32	.0113	1.992	25.77	.4934
#2	.0034	19.67	27.07	.0109	1.910	25.69	.4935
#3	.0031	19.31	26.96	.0125	1.911	25.24	.4833
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	.9937	26.06	.0326	1.031	.0615	2.536	.0420
SDev	.0091	.72	.0049	.014	.0027	.028	.0139
%RSD	.9153	2.750	15.15	1.355	4.411	1.092	33.16
#1	.9983	26.88	.0282	1.037	.0645	2.548	.0299
#2	.9995	25.73	.0316	1.041	.0594	2.555	.0390
#3	.9832	25.57	.0379	1.015	.0605	2.504	.0573
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 Mon 09-11-95 04:54:15 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	.0272	2.494	2.422	18.50	.0347	.4963	.0077
SDev	.0076	.022	.035	.18	.0193	.0058	.0049
%RSD	28.03	.8997	1.458	.9875	55.48	1.165	63.54
#1	.0190	2.492	2.417	18.65	.0127	.5013	.0021
#2	.0285	2.517	2.459	18.55	.0432	.4977	.0108
#3	.0340	2.472	2.389	18.30	.0483	.4900	.0103
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	.0474	.9600	2.440	.4541	.9717	.0390	.0018
SDev	.0083	.0114	.035	.0666	.0103	.0070	.0002
%RSD	17.43	1.184	1.429	14.67	1.065	17.99	8.724
#1	.0478	.9678	2.474	.4088	.9793	.0415	.0017
#2	.0555	.9652	2.443	.4228	.9759	.0445	.0020
#3	.0390	.9470	2.404	.5306	.9599	.0311	.0019
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	1.004	1.974
SDev	.014	.019
%RSD	1.436	.9623
#1	1.018	1.989
#2	1.005	1.981
#3	.9893	1.953
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Mon 09-11-95 04:58:20 PM page 1

Method: ICP1 Sample Name: SST-ICS-0 9509081100 Operator: DRS
Run Time: 09/11/95 16:57:00
Comment: SLUDGE SAMPLE DUPLICATE (BY-108 WATER LEACH)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	97.29	.1270	-.0017	.0004	.0006	.0637
SDev	.0007	.47	.0047	.0017	.0002	.0000	.0090
%RSD	5.914	.4796	3.717	102.6	54.01	2.954	14.14
#1	-.0117	97.78	.1225	-.0025	.0003	.0006	.0729
#2	-.0104	97.23	.1319	-.0028	.0003	.0007	.0632
#3	-.0113	96.85	.1265	.0003	.0006	.0006	.0549

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0755	.0099	-.1433	.0053	.0389	.0056	-.0017
SDev	.0013	.0010	.0038	.0003	.0018	.0024	.0006
%RSD	1.751	10.36	2.634	6.328	4.637	43.12	33.42
#1	.0765	.0097	-.1433	.0049	.0392	.0081	-.0021
#2	.0740	.0090	-.1470	.0055	.0369	.0055	-.0010
#3	.0760	.0111	-.1395	.0054	.0405	.0033	-.0018

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	19.70	.3998	.0052	.0046	.2845	.0013
SDev	.0001	.04	.1069	.0014	.0007	.0007	.0004
%RSD	13.64	.2142	26.74	27.59	15.05	.2557	30.10
#1	.0009	19.74	.2903	.0042	.0039	.2845	.0009
#2	.0012	19.70	.4053	.0045	.0046	.2837	.0016
#3	.0012	19.65	.5039	.0068	.0053	.2852	.0013

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0095	.0235	-.0125	51.65	.0220	.1885	-.4577
SDev	.0005	.0085	.0043	.07	.0064	.0072	.0106
%RSD	5.686	36.03	34.47	.1302	28.93	3.814	2.315
#1	.0097	.0302	-.0169	51.72	.0171	.1803	-.4625
#2	.0089	.0263	-.0123	51.64	.0292	.1933	-.4649
#3	.0099	.0140	-.0083	51.59	.0197	.1920	-.4455

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0299	-.0033	.0163	.0407	.0613	-.0002	-.0008
SDev	.0018	.0043	.0095	.0095	.0279	.0001	.0074
%RSD	6.054	130.4	57.87	23.22	45.54	31.77	953.1
#1	-.0303	-.0083	.0112	.0359	.0350	-.0002	-.0041
#2	-.0314	-.0006	.0106	.0516	.0906	-.0001	-.0059
#3	-.0279	-.0010	.0273	.0346	.0584	-.0002	.0077

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7401	.0014	.2147	50.74	.0035	.0530	.0046
SDev	.0096	.0001	.0036	.18	.0005	.0086	.0001

%RSD	1.298	10.17	1.689	.3461	14.09	16.14	2.039
#1	.7319	.0015	.2127	50.92	.0030	.0442	.0045
#2	.7507	.0012	.2125	50.73	.0037	.0535	.0046
#3	.7378	.0015	.2189	50.57	.0040	.0613	.0046

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0288	9.931
SDev	.0012	.032
%RSD	4.262	.3192
#1	-.0299	9.960
#2	-.0275	9.935
#3	-.0290	9.897

Analysis Report QC Standard Mon 09-11-95 05:01:39 PM page

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/11/95 17:00:19
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

PASS (+) DKS 9/11/

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	-.1563	.0117	.0022	.0006	.0003	.0045
SDev	.0004	.0018	.0062	.0015	.0001	.0000	.0008
%RSD	14.40	1.147	52.87	68.55	10.97	1.833	18.26
#1	.0026	-.1575	.0054	.0032	.0007	.0003	.0048
#2	.0029	-.1542	.0120	.0031	.0005	.0003	.0036
#3	.0035	-.1571	.0178	.0005	.0007	.0003	.0051
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	.0197	-.0001	2.003	.0038	.0011	.0036	2.009
SDev	.0011	.0001	.003	.0004	.0018	.0016	.003
%RSD	5.717	72.34	.1605	10.21	158.8	44.88	.1386
#1	.0184	-.0000	2.005	.0043	-.0009	.0055	2.011
#2	.0199	-.0002	1.999	.0035	.0017	.0027	2.009
#3	.0207	-.0002	2.005	.0037	.0025	.0027	2.006
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	1.992	.0064	.4382	2.012	.0027	.0991	.0005
SDev	.002	.0007	.0657	.002	.0009	.0057	.0003
%RSD	.1154	11.45	15.00	.1191	32.89	5.739	52.39
#1	1.993	.0065	.3724	2.010	.0018	.1046	.0007
#2	1.993	.0071	.4382	2.012	.0036	.0995	.0002
#3	1.989	.0056	.5039	2.014	.0025	.0932	.0005
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	.0010	.0155	1.991	.0247	.0048	.0556	2.027
SDev	.0002	.0121	.001	.0023	.0112	.0052	.012
%RSD	19.73	78.26	.0678	9.290	234.6	9.424	.5933
#1	.0010	.0225	1.991	.0258	.0088	.0557	2.026
#2	.0007	.0015	1.992	.0262	-.0079	.0504	2.039
#3	.0011	.0226	1.989	.0220	.0135	.0609	2.015
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000

Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.984	.0030	.0067	.0612	2.054	.0003	1.803
SDev	.004	.0083	.0066	.0033	.020	.0001	.010
%RSD	.2187	275.3	98.46	5.450	.9610	26.72	.5579
#1	1.984	-.0065	.0021	.0574	2.067	.0002	1.811
#2	1.988	.0069	.0037	.0624	2.032	.0002	1.805
#3	1.979	.0086	.0143	.0637	2.064	.0003	Q1.792
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	5.033	.0012	.0166	Q8.540	.0000	Q.4896	.9697
SDev	.012	.0003	.0113	.066	.0004	.0045	.0001
%RSD	.2423	22.80	68.39	.7754	909.8	.9280	.0149
#1	5.028	.0012	.0039	Q8.608	-.0004	Q.4905	.9699
#2	5.023	.0010	.0202	Q8.536	.0001	Q.4936	.9696
#3	5.046	.0015	.0256	Q8.476	.0004	Q.4847	.9697
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	-.0123
SDev	.0005	.0020
%RSD	29.08	15.89
#1	.0018	-.0115
#2	.0020	-.0109
#3	.0011	-.0145
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Mon 09-11-95 05:05:06 PM page 1

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/11/95 17:03:46
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)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.1051	Q.0776	Q.1120	.0490	.0219	.0186
SDev	.0005	.0024	.0037	.0015	.0001	.0001	.0034
%RSD	33.94	2.252	4.815	1.316	.1417	.2648	18.43
#1	Q.0017	Q.1044	Q.0750	Q.1106	.0490	.0220	.0195
#2	Q.0009	Q.1077	Q.0760	Q.1135	.0491	.0219	.0148
#3	.0019	Q.1032	.0819	Q.1118	.0490	.0218	.0215
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	Q34.84	.0130	.0072	Q.0258	Q.0200	.0200	.0006
SDev	.04	.0005	.0024	.0010	.0017	.0011	.0004
%RSD	.1252	3.569	33.34	3.860	8.396	5.559	60.14
#1	Q34.89	Q.0133	.0044	Q.0254	Q.0181	.0212	.0004
#2	Q34.83	.0125	.0084	Q.0251	Q.0211	Q.0189	.0004
#3	Q34.81	Q.0133	.0088	Q.0270	Q.0208	.0200	.0010
Errors	QC Fail	QC Pass	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.1174	2.503	.0081	Q.0135	Q9.808	.0345
SDev	.0002	.0003	.119	.0004	.0002	.015	.0001
%RSD	13.75	.2816	4.749	4.937	1.455	.1508	.4080
#1	.0012	Q.1173	2.426	.0081	Q.0136	Q9.821	.0346
#2	.0012	Q.1178	2.443	.0085	Q.0136	Q9.810	.0344
#3	.0015	Q.1171	Q2.640	.0077	Q.0133	Q9.792	.0345
Errors	NOCHECK	QC Fail	QC Pass	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	.1037	12.48	.0157	.0672	.0255	.0356	.0070
SDev	.0008	.07	.0027	.0024	.0166	.0024	.0050
%RSD	.7344	.5752	16.82	3.506	65.29	6.764	71.60
#1	.1043	12.44	.0138	Q.0690	.0091	Q.0329	.0055
#2	.1028	Q12.56	.0147	.0645	.0250	Q.0367	.0029
#3	.1039	12.44	.0188	Q.0680	.0423	Q.0374	.0125
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	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	.0065	.0006	Q.0077	.0258	-.0041	.2614	.0009
SDev	.0017	.0014	.0035	.0024	.0124	.0009	.0027
%RSD	26.35	250.9	44.63	9.191	305.1	.3337	295.7
#1	.0048	.0002	Q.0038	.0283	.0021	.2622	.0038
#2	.0082	-.0007	Q.0103	.0237	-.0184	.2615	-.0016
#3	.0066	.0022	Q.0091	.0254	.0040	Q.2605	.0005
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	-.0038	.0081	Q.0248	.2896	.0291	.0124	-.0011
SDev	.0042	.0005	.0048	.0403	.0006	.0080	.0002
%RSD	109.4	6.067	19.48	13.93	1.976	64.49	17.95
#1	-.0072	.0075	Q.0280	.2631	Q.0284	.0033	-.0009
#2	-.0051	.0082	Q.0192	.2696	.0295	.0155	-.0012
#3	.0009	.0085	Q.0271	.3360	.0293	.0184	-.0012
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value			.0079		.0314		
Range			63.30		8.900		

Elem	Zn	Zr
Units	ppm	ppm
Avge	Q.0862	.0005
SDev	.0022	.0003
%RSD	2.519	62.14
#1	Q.0883	.0007
#2	Q.0864	.0001
#3	Q.0840	.0006
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Mon 09-11-95 05:08:20 PM page 1

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/11/95 17:07:02
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	1.880	2.021	1.900	.9809	.9586	1.888
SDev	.0000	.004	.004	.007	.0040	.0036	.011
%RSD	.6030	.2316	.1843	.3502	.4050	.3713	.5994
#1	.0035	1.875	2.021	1.907	.9838	.9623	1.898
#2	.0035	1.880	2.017	1.894	.9764	.9552	1.875
#3	.0035	1.884	2.025	1.899	.9826	.9584	1.890

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.911	.9658	.0299	1.027	.5088	1.996	.0037
SDev	.004	.0057	.0014	.003	.0015	.008	.0007
%RSD	.2027	.5932	4.827	.2799	.2884	.3905	17.88
#1	1.913	.9644	.0314	1.031	.5099	1.998	.0032
#2	1.906	.9721	.0299	1.026	.5071	1.987	.0045
#3	1.913	.9609	.0285	1.026	.5094	2.002	.0036

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	1.980	5.729	.0081	1.908	2.071	.9999
SDev	.0000	.009	.114	.0006	.016	.001	.0032
%RSD	1.757	.4611	1.987	6.886	.8587	.0589	.3179
#1	.0017	1.989	5.597	.0076	1.894	2.072	1.003
#2	.0016	1.971	5.795	.0087	1.903	2.070	.9964
#3	.0016	1.979	5.795	.0079	1.926	2.072	1.001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.971	8.241	.0262	2.090	4.707	2.050	.0624
SDev	.007	.110	.0026	.013	.042	.005	.0105
%RSD	.3543	1.329	9.769	.6229	.8941	.2308	16.83
#1	1.973	8.131	.0234	2.091	4.753	2.046	.0517
#2	1.963	8.244	.0267	2.077	4.670	2.049	.0727
#3	1.976	8.350	.0285	2.103	4.698	2.055	.0630

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0320	.0081	1.941	4.913	.0982	1.998	-.0027
SDev	.0021	.0100	.013	.009	.0211	.008	.0022
%RSD	6.585	123.6	.6757	.1883	21.52	.3824	79.55
#1	.0299	-.0029	1.938	4.911	.0757	2.004	-.0050
#2	.0341	.0104	1.929	4.904	.1177	1.990	-.0026
#3	.0322	.0166	1.955	4.923	.1011	2.001	-.0006

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0107	.0016	1.947	.4248	.9632	.0173	.0019
SDev	.0074	.0001	.015	.0702	.0036	.0081	.0000

%RSD	69.14	9.437	.7751	16.53	.3728	46.69	1.938
#1	.0132	.0016	1.932	.3834	.9660	.0265	.0019
#2	.0024	.0018	1.946	.5059	.9592	.0142	.0019
#3	.0165	.0015	1.962	.3851	.9644	.0113	.0019

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.034	.0019
SDev	.006	.0006
%RSD	.5599	34.50
#1	1.038	.0014
#2	1.027	.0026
#3	1.037	.0017

Analysis Report Mon 09-11-95 05:11:51 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/11/95 17:10:32
Comment: SLUDGE SAMPLES (BY-108 WATER LEACH)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	.0050	.0041	.0001	.0005	.0001	-.0007
SDev	.0000	.0022	.0019	.0003	.0002	.0000	.0015
%RSD	.6917	45.20	46.95	381.1	38.38	6.773	213.8
#1	.0022	.0029	.0023	.0004	.0004	.0001	.0010
#2	.0021	.0074	.0039	-.0002	.0007	.0001	-.0015
#3	.0021	.0046	.0061	-.0000	.0003	.0001	-.0017

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	-.0011	.0132	.0020	.0001	.0023	.0021
SDev	.0009	.0003	.0036	.0007	.0010	.0001	.0006
%RSD	44.25	26.58	27.37	32.85	987.8	4.955	27.24
#1	.0011	-.0012	.0143	.0016	.0002	.0024	.0022
#2	.0028	-.0008	.0162	.0028	.0010	.0024	.0026
#3	.0022	-.0014	.0092	.0017	-.0010	.0022	.0015

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0007	.3505	.0034	.0012	.0104	.0001
SDev	.0002	.0005	.0934	.0013	.0007	.0032	.0001
%RSD	22.75	61.79	26.65	39.06	60.11	30.65	245.9
#1	.0005	-.0003	.3231	.0024	.0012	.0085	-.0001
#2	.0008	-.0006	.4546	.0049	.0018	.0141	.0001
#3	.0007	-.0013	.2738	.0029	.0005	.0086	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0151	.0122	.0075	.0006	.0126	.0305
SDev	.0007	.0105	.0044	.0020	.0066	.0043	.0110
%RSD	36.68	69.73	36.06	26.17	1062.	33.86	36.00
#1	.0011	.0164	.0090	.0052	.0065	.0077	.0266
#2	.0019	.0248	.0172	.0087	-.0065	.0154	.0429
#3	.0024	.0039	.0103	.0085	.0019	.0148	.0220

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0169	.0050	-.0058	-.0010	.0373	.0004	.0050
SDev	.0045	.0098	.0054	.0032	.0096	.0001	.0089
%RSD	26.65	197.5	94.38	314.0	25.66	15.62	176.8
#1	.0134	-.0031	-.0106	-.0026	.0265	.0004	.0081
#2	.0220	.0159	.0001	.0026	.0407	.0005	.0120
#3	.0153	.0022	-.0068	-.0030	.0446	.0004	-.0050

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	.0006	.0030	.2015	.0014	.0070	.0009
SDev	.0022	.0001	.0079	.0574	.0006	.0092	.0000

%RSD	62.73	20.03	261.9	28.48	47.10	132.4	3.910
#1	.0018	.0005	.0108	.2229	.0009	.0156	.0009
#2	.0028	.0007	.0034	.2451	.0021	-.0028	.0009
#3	.0061	.0006	-.0051	.1365	.0011	.0081	.0009

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0003	.0011
SDev	.0001	.0006
%RSD	22.34	50.18
#1	.0004	.0007
#2	.0004	.0018
#3	.0003	.0009

THIS PAGE INTENTIONALLY
LEFT BLANK.