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 6 **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

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

SINGLE SHELL TANK

WASTE CHARACTERIZATION PROJECT

APPENDIX C

INORGANIC

TANK BY-108 CORE 99

September 1995

Pacific Northwest Laboratory

3-277

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C1 - INTRODUCTION

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Introduction to Inorganic Primary Data Package

This section of the BY-108 Core 99 Primary Data Package contains primary or "raw" data collected during preparation and analysis of inorganic samples. All analytical information is tracked by the laboratory sample number. Assessment of the primary analytical data will require in-depth knowledge of the methodology.

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C2 - ICP ANALYSIS

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

KOH FUSION SEGMENT & QUARTER SEGMENT ICP ANALYSIS

3-281

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DATE TO QC: 09/18/95

DATA QUALITY REVIEW

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

Analyte - ICP - KOH Fusion

Data Package/Report - BY-108 Core 99

Project No. - 21372

ACL Numbers - 95-07941-H1T 95-07941-H2T 95-07941-HCB
95-07942-H1 95-07942-H2 95-07942-H3
95-07943-H1 95-07943-H2
95-07944-H1 95-07944-H2
95-07945-H1 95-07945-H2 95-07945-H3
95-07946-H1T 95-07946-H2T 95-07946-HCB
95-07947-H1 95-07947-H2
95-07948-H1 95-07948-H2

Julia Brent
PNL ACL Quality Representative

9/19/95
Date

Project: TWRS
Procedure: PNL-ALO-211

ICP ANALYSIS REPORT -- KOH/Ni Fusions

Core: 99

m091395a
09/13/95

Sam Log#:		Seg 1 95-07941-			Seg 1 95-07941-		Seg 2D 95-07943-	Seg 2D 95-07943-		95-07941-	Seg 1 95-07941-	
Split#:		H1T-Smp			H2T-Dup		H1-Smp	H2-Dup		HCB-Blk	H1T-SmpPS	
ICP Dil:		2.00	10.00		2.00		2.00	2.00		2.00	5.00	
Dil Fctr:		1990.0	9950.2		1949.3		594.9	612.9		924.2	4975.1	
Est. IDL ug/mL	Analyte	Sample ug/g	Dilution ug/g	%D	Duplicate ug/g	RPD	Sample ug/g	Duplicate ug/g	RPD	Batch Blk ug/g	Net PSpk ug/mL	Post Spk Rec
0.015	Ag	ND	ND		ND		ND	ND		ND	ND	
0.060	Al	135,670	141,075	4	131,844	3	70,942	67,093	6	(427)	8.45	84.5%
0.080	As	(282)	ND		(222)		(83)	(73)		ND	ND	
0.020	B	(383)	(455)		(363)		(63)	(64)		(163)	0.00	
0.010	Ba	(24)	ND		ND		ND	ND		ND	ND	
0.005	Be	ND	ND		ND		ND	ND		ND	ND	
0.100	Bi	(318)	ND		ND		ND	ND		ND	ND	
0.050	Ca	(739)	(647)		(437)		855	888	4	(80)	4.61	92.2%
0.015	Cd	ND	ND		ND		ND	ND		ND	0.24	96.3%
0.100	Ce	ND	ND		ND		ND	ND		ND	ND	
0.010	Co	(58)	(115)		(45)		(27)	(31)		(20)	(0.00)	
0.020	Cr	(146)	ND		(152)		177	173	3	ND	1.41	93.9%
0.010	Cu	ND	ND		ND		234	(23)		ND	ND	
0.050	Dy	ND	ND		ND		ND	ND		ND	ND	
0.100	Eu	ND	ND		ND		ND	ND		ND	ND	
0.020	Fe	1,488	(1,641)		971	42 *	710	1,145	47 *	270	(0.00)	
2.000	K	n/a	n/a		n/a		n/a	n/a		n/a	n/a	
0.050	La	ND	ND		ND		ND	ND		ND	ND	
0.030	Li	(109)	ND		(121)		(54)	(49)		(51)	ND	
0.100	Mg	(368)	ND		(247)		(75)	ND		ND	(0.11)	
0.005	Mn	305	(329)		269	12 *	206	285	32 *	86	0.09	92
0.030	Mo	ND	ND		ND		ND	ND		ND	ND	
0.080	Na	95,300	101,561	7	95,728	0	139,877	146,959	5	1,890	13.35	
0.050	Nd	(101)	ND		ND		ND	ND		(50)	(0.00)	
0.030	Ni	n/a	n/a		n/a		n/a	n/a		n/a	n/a	
0.100	P	23,897	24,574	3	29,552	21 *	2,505	2,230	12 *	ND	(0.04)	
0.060	Pb	(351)	(704)		(256)		(106)	(94)		(88)	4.89	97.8%
0.300	Pd	ND	ND		ND		ND	ND		ND	ND	
0.300	Rh	ND	ND		ND		ND	ND		ND	ND	
0.050	Sb	(129)	ND		(106)		ND	ND		(48)	ND	
0.100	Se	ND	ND		ND		ND	ND		ND	ND	
0.500	Si	(6,917)	(7,371)		(4,939)		(1,183)	(1,150)		(837)	9.38	93.8%
1.000	Sn	ND	ND		ND		ND	ND		ND	ND	
0.005	Sr	(27)	ND		(22)		(15)	(13)		ND	0.00	
0.500	Te	ND	ND		ND		ND	ND		ND	ND	
0.800	Th	ND	ND		ND		ND	ND		ND	ND	
0.005	Ti	358	(400)		181	65 *	(23)	(22)		101	(0.00)	
0.500	Tl	ND	ND		ND		ND	ND		ND	ND	
2.000	U	ND	ND		ND		ND	ND		ND	(18.70)	93.5%
0.010	V	(57)	(105)		(48)		(7)	ND		ND	(0.00)	
0.500	W	ND	ND		ND		ND	ND		ND	ND	
0.010	Y	ND	ND		ND		ND	ND		ND	ND	
0.020	Zn	ND	ND		ND		(50)	(49)		ND	ND	
0.010	Zr	(174)	(218)		(187)		ND	ND		(62)	0.46	92.0%

Note:
1) Method Detecion Limit (MDL) = 10x IDL; "( )" results <MDL but =>IDL.
2) Above 5 times MDL, results reportable to 2 1/2 significant digits.
3) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
4) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
5) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
6) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
7) If RPD flagged with "*", then RPD >20% and sample & duplicate results >MDL.
8) If Percent Difference (%D) >10% and sample results >5x MDL, chemical/physical interferences may exist.
9) Data, including calibration/QC, archived File ICP-325-405-1/95D256a

Template: TC-KOH

ICP RAW DATA -- IEC Corrected

File: m091395a
Reported: 09/15/95

Raw Data
Data Page 2 of 2

Analyzed: 09/13/95
Project: TWRS
Procedure: PNL-AL0-211
MT&E: JA ICP WB73520

Analyst: D SANDERS

Reviewer: MWTh 9/20/95

Sample ID: / Split ID:	95-07941-H1T-Smp	95-07941-H1T-SmpDil	95-07941-H2T-Dup	95-07943-H1-Smp	95-07943-H2-Dup	95-07941-HCB-Blk	95-07941-H1T-SmpPS	95-07941 PS Base	Post Spk Conc ug/mL
Run Time:	11:04	10:52	11:12	12:21	12:29	10:45	11:00	10:56	
(ug/mL) Ag	0.0098	0.0084	0.0084	0.0118	0.0113	0.0112	0.0122	0.0091	
Al	68.1740	14.1781	67.6357	119.2540	109.4623	0.4620	36.6390	28.1928	1000
As	0.1417	0.0431	0.1141	0.1395	0.1184	0.0462	0.0775	0.0680	
B	0.1926	0.0457	0.1860	0.1060	0.1048	0.1765	0.0826	0.0861	
Ba	0.0121	0.0038	0.0083	0.0096	0.0081	0.0055	0.0065	0.0063	
Be	0.0005	0.0003	0.0004	0.0006	0.0005	0.0003	0.0006	0.0003	
Bi	0.1598	0.0386	0.0589	0.0427	0.0428	0.0423	0.0828	0.0711	
Ca	0.3714	0.0650	0.2244	1.4365	1.4480	0.0867	4.7594	0.1501	500
Cd	0.0122	0.0034	0.0140	0.0053	0.0075	0.0120	0.2408	0.0064	25
Ce	0.0467	0.0496	0.0364	0.0470	0.0379	0.0571	0.0651	0.0539	
Co	0.0293	0.0115	0.0229	0.0449	0.0512	0.0214	0.0195	0.0173	
Cr	0.0736	0.0195	0.0779	0.2983	0.2819	0.0194	1.4401	0.0319	150
Cu	-0.0036	0.0051	-0.0051	0.3928	0.0375	-0.0039	-0.0011	0.0055	
Dy	0.0108	0.0078	0.0081	0.0075	0.0060	0.0088	0.0078	0.0091	
Eu	0.0025	0.0023	0.0020	0.0023	0.0020	0.0026	0.0029	0.0025	
Fe	0.7477	0.1650	0.4981	1.1930	1.8677	0.2920	0.3171	0.3212	
K	4873.2153	1068.6553	4754.9541	5149.4443	5197.0420	4794.1938	2065.7043	2086.3491	2000
La	0.0166	0.0130	0.0122	0.0136	0.0119	0.0163	0.0191	0.0156	
Li	0.0545	0.0171	0.0622	0.0904	0.0796	0.0557	0.0288	0.0272	
Mg	0.1851	0.0647	0.1268	0.1267	0.0971	0.0729	0.2084	0.1022	
Mn	0.1531	0.0330	0.1381	0.3455	0.4643	0.0927	0.1573	0.0651	10
Mo	0.0183	0.0082	0.0161	0.0251	0.0240	0.0132	0.0111	0.0119	
Na	47.8882	10.2069	49.1087	235.1336	239.7639	2.0453	33.4539	20.1067	
Nd	0.0506	0.0468	0.0475	0.0465	0.0396	0.0537	0.0546	0.0525	
Ni	49.2367	10.4681	25.7503	2.7370	5.1640	10.9713	25.2717	20.7292	500
P	12.0084	2.4697	15.1603	4.2112	3.6385	0.0932	4.8743	4.9120	
Pb	0.1765	0.0708	0.1315	0.1778	0.1541	0.0957	4.9828	0.0953	500
Pd	0.1410	0.1414	0.1192	0.1351	0.1185	0.1536	0.0581	0.1466	
Rh	0.1033	0.0723	0.0771	0.0670	0.0593	0.1074	0.0779	0.0852	
Sb	0.0647	0.0335	0.0543	0.0207	0.0230	0.0520	0.0407	0.0427	
Se	0.0819	0.0375	0.0586	0.0587	0.0555	0.0685	0.0565	0.0579	
Si	3.4756	0.7408	2.5336	1.9886	1.8770	0.9052	10.8338	1.4554	1000
Sn	0.3750	0.2570	0.2883	0.2535	0.2130	0.3397	0.3585	0.2825	
Sr	0.0137	0.0036	0.0112	0.0247	0.0218	0.0028	0.0062	0.0063	
Te	0.0657	0.0412	0.0530	0.0350	0.0271	0.0675	0.0555	0.0500	
Th	0.0336	0.0103	0.0216	0.0118	0.0096	0.0205	0.2330	0.0170	
Ti	0.1797	0.0403	0.0930	0.0390	0.0356	0.1096	0.0768	0.0772	
Tl	0.1907	0.0492	0.1802	0.2716	0.2589	0.0399	0.1119	0.0823	
U	0.9739	0.7399	0.7143	0.9022	0.7736	0.8501	18.6964	0.8753	2000
V	0.0287	0.0106	0.0245	0.0113	0.0096	0.0091	0.0180	0.0158	
W	0.0758	0.0314	0.0532	0.0757	0.0686	0.0389	0.0459	0.0409	
Y	0.0033	0.0032	0.0026	0.0028	0.0026	0.0036	0.0048	0.0035	
Zn	0.0076	0.0008	0.0194	0.0844	0.0800	0.0086	-0.0001	0.0030	
(ug/mL) Zr	0.0873	0.0219	0.0958	0.0058	0.0052	0.0666	0.4995	0.0392	50

Analyzed Date: 09/13/95
Project: TWRS
Procedure: PNL-ALO-211
ICP Data Name: 95D256a

File: m091395a
Reported: 09/15/95
Data Page 1 of 2

Sample Log#	95-07941-H1T-Smp	95-07941-H1T-SmpDil	95-07941-H2T-Dup	95-07943-H1-Smp	95-07943-H2-Dup	95-07941-HCB-Blk	95-07941-H1T-SmpPS	95-07941 PS Base
Prep Type	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g	0.1005	0.1005	0.1026	0.3362	0.3263	0.2164	0.1005	0.1005
Makeup Vol-mL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Dil: Smpl-mL								
Dil: Vol-mL								
Prep Factor	995.02	995.02	974.66	297.44	306.47	462.11	995.02	995.02
Spike ID							950830H901	
Spike PreDil'n							20.0	
ICP Dilution	2.00	10.00	2.00	2.00	2.00	2.00	5.00	5.00
Dil Fctr	1990.0	9950.2	1949.3	594.9	612.9	924.2	4975.1	4975.1
Run Time	11:04	10:52	11:12	12:21	12:29	10:45	11:00	10:56
ug/g Ag	19.6	84.0	16.5	7.0	6.9	10.3	60.5	45.5
Al	135669.7	141075.4	131843.5	70942.3	67093.0	427.0	182283.7	140262.9
As	282.0	429.3	222.4	83.0	72.6	42.7	385.6	338.2
B	383.2	455.1	362.6	63.0	64.3	163.1	411.1	428.5
Ba	24.1	38.2	16.2	5.7	5.0	5.0	32.2	31.3
Be	1.0	2.5	0.8	0.3	0.3	0.3	3.2	1.6
Bi	317.9	383.9	114.8	25.4	26.2	39.1	412.1	353.6
Ca	739.1	646.9	437.5	854.6	887.6	80.2	23678.6	746.9
Cd	24.4	34.0	27.2	3.2	4.6	11.1	1198.0	31.7
Ce	92.9	493.3	71.1	28.0	23.2	52.8	323.9	268.3
Co	58.3	114.8	44.6	26.7	31.4	19.8	96.8	85.9
Cr	146.4	194.4	151.8	177.4	172.8	18.0	7164.7	158.6
Cu	-7.2	50.8	-10.0	233.6	23.0	-3.6	-5.6	27.2
Dy	21.4	77.9	15.8	4.4	3.7	8.2	39.0	45.4
Eu	5.1	22.8	3.9	1.4	1.2	2.4	14.6	12.5
Fe	1487.9	1641.3	971.0	709.7	1144.8	269.9	1577.6	1598.0
K	9697941.0	10633385.8	9268916.4	3063322.0	3185437.9	4430863.1	10277136.0	10379846.4
La	33.1	128.9	23.8	8.1	7.3	15.1	95.1	77.6
Li	108.5	170.5	121.2	53.8	48.8	51.5	143.3	135.3
Mg	368.4	644.1	247.1	75.4	59.5	67.4	1036.9	508.2
Mn	304.6	328.7	269.1	205.5	284.6	85.7	782.8	323.9
Mo	36.5	81.3	31.3	14.9	14.7	12.2	55.2	59.0
Na	95299.8	101561.3	95728.5	139877.2	146959.2	1890.3	166437.1	100033.4
Nd	100.7	465.7	92.7	27.7	24.2	49.6	271.6	261.4
Ni	97983.4	104160.7	50195.5	1628.2	3165.2	10139.8	125730.0	103130.3
P	23897.3	24573.7	29552.2	2505.2	2230.2	86.1	24250.4	24438.0
Pb	351.2	704.0	256.4	105.8	94.4	88.4	24790.1	474.0
Pd	280.7	1407.4	232.3	80.3	72.6	142.0	289.0	729.2
Rh	205.6	719.1	150.3	39.9	36.3	99.2	387.7	423.7
Sb	128.7	333.2	105.9	12.3	14.1	48.1	202.7	212.2
Se	163.0	372.7	114.3	34.9	34.0	63.3	281.0	287.9
Si	6916.5	7371.4	4938.7	1183.0	1150.5	836.6	53899.3	7240.8
Sn	746.3	2557.4	562.0	150.8	130.6	313.9	1783.7	1405.4
Sr	27.3	35.4	21.8	14.7	13.3	2.6	31.0	31.6
Te	130.7	410.1	103.3	20.8	16.6	62.4	275.9	248.8
Th	66.8	102.0	42.1	7.0	5.9	18.9	1159.3	84.3
Ti	357.6	400.5	181.3	23.2	21.8	101.3	381.9	384.2
Tl	379.4	489.1	351.2	161.5	158.7	36.8	556.6	409.3
U	1938.1	7361.8	1392.3	536.7	474.2	785.7	93017.1	4354.7
V	57.1	105.4	47.8	6.7	5.9	8.4	89.5	78.5
W	150.8	312.2	103.6	45.0	42.1	36.0	228.5	203.2
Y	6.6	31.4	5.1	1.7	1.6	3.3	24.1	17.3
Zn	15.1	7.8	37.9	50.2	49.0	8.0	-0.6	14.8
ug/g Zr	173.6	217.7	186.7	3.4	3.2	61.5	2484.9	195.2

Project: TWRS
Procedure: PNL-ALO-211

ICP ANALYSIS REPORT -- KOH/Ni Fusions

m091395b
09/13/95

Core 99

Sam Log#:		Seg 2A 95-07942-			Seg 2A 95-07942-		Seg 3A 95-07944-	Seg 3A 95-07944-		95-07942-
Split#:		H1-Smp			H2-Dup		H1-Smp	H2-Dup		H3-Blk
ICP Dil:		2.00	10.00		2.00		2.00	2.00		2.00
Dil Fctr:		1736.1	8680.6		1803.4		1650.2	1408.5		1635.0
Est. IDL ug/mL	Analyte	Sample ug/g	Dilution ug/g	%D	Duplicate ug/g	RPD	Sample ug/g	Duplicate ug/g	RPD	Batch Blk ug/g
0.015	Ag	ND	ND		ND		ND	ND		(25)
0.060	Al	8,327	8,892	7	10,449	23 *	37,342	32,120	15 *	(316)
0.080	As	ND	ND		ND		ND	ND		ND
0.020	B	598	(666)		(149)		1,088	415	89 *	365
0.010	Ba	ND	ND		ND		ND	(16)		ND
0.005	Be	ND	ND		ND		ND	ND		ND
0.100	Bi	ND	ND		ND		ND	ND		ND
0.050	Ca	1,925	ND		2,164	12 *	1,132	1,035	9	(224)
0.015	Cd	ND	ND		ND		ND	ND		ND
0.100	Ce	ND	ND		ND		ND	ND		ND
0.010	Co	(44)	ND		(42)		(63)	(50)		(88)
0.020	Cr	(72)	ND		(122)		(164)	(178)		(35)
0.010	Cu	ND	ND		327		(100)	(75)		(23)
0.050	Dy	ND	ND		ND		ND	ND		ND
0.100	Eu	ND	ND		ND		ND	ND		ND
0.020	Fe	5,112	5,464	7	2,510	68 *	1,608	1,769	10	815
2.000	K	n/a	n/a		n/a		n/a	n/a		n/a
0.050	La	ND	ND		ND		ND	ND		ND
0.030	Li	ND	ND		ND		ND	ND		ND
0.100	Mg	ND	ND		ND		(199)	(147)		ND
0.005	Mn	335	(356)		298	12 *	746	535	33 *	677
0.030	Mo	ND	ND		ND		ND	ND		ND
0.080	Na	201,669	220,212	9	201,554	0	169,524	181,983	7	4,892
0.050	Nd	(108)	ND		ND		(97)	(82)		(120)
0.030	Ni	n/a	n/a		n/a		n/a	n/a		n/a
0.100	P	(709)	ND		(828)		5,405	7,079	27 *	ND
0.060	Pb	(159)	ND		(144)		(167)	(150)		(158)
0.300	Pd	ND	ND		ND		ND	ND		ND
0.300	Rh	ND	ND		ND		ND	ND		ND
0.050	Sb	(91)	ND		ND		ND	ND		(100)
0.100	Se	ND	ND		ND		ND	ND		ND
0.500	Si	ND	ND		(1,072)		(1,936)	(1,582)		ND
1.000	Sn	ND	ND		ND		ND	ND		ND
0.005	Sr	ND	ND		ND		162	201	22 *	ND
0.500	Te	ND	ND		ND		ND	ND		ND
0.800	Th	ND	ND		ND		ND	ND		ND
0.005	Ti	(22)	ND		(26)		(38)	(28)		(24)
0.500	Tl	ND	ND		ND		ND	ND		ND
2.000	U	ND	ND		ND		ND	ND		ND
0.010	V	ND	ND		ND		(22)	(22)		(18)
0.500	W	ND	ND		ND		ND	ND		ND
0.010	Y	ND	ND		ND		ND	ND		ND
0.020	Zn	(71)	ND		(250)		(103)	(98)		(75)
0.010	Zr	ND	ND		ND		ND	ND		ND

Note:
1) Method Detecion Limit (MDL) = 10x IDL; "( )" results <MDL but =>IDL.
2) Above 5 times MDL, results reportable to 2 1/2 significant digits.
3) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
4) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
5) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
6) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
7) If RPD flagged with "*", then RPD >20% and sample & duplicate results >MDL.
8) If Percent Difference (%D) >10% and sample >5x MDL, chemical/physical interferences may exist.
9) Data, including calibration/QC, archived File ICP-325-405-1/95D256a

Analyzed Date: 09/13/95
Project: TWRS
Procedure: PNL-ALO-211
ICP Data Name: 95D256a

File: m091395b
Reported: 09/15/95
Data Page 1 of 2

Sample Log#	95-07942-H1-Smp	95-07942-H1-SmpDil	95-07942-H2-Dup	95-07944-H1-Smp	95-07944-H2-Dup	95-07942-H3-Blk
Prep Type	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g	0.1152	0.1152	0.1109	0.1212	0.1420	0.1223
Makeup Vol-mL	100.0	100.0	100.0	100.0	100.0	100.0
Dil: Smpl-mL						
Dil: Vol-mL						
Prep Factor	868.06	868.06	901.71	825.08	704.23	817.49
Spike ID						
Spike PreDil'n						
ICP Dilution	2.00	10.00	2.00	2.00	2.00	2.00
Dil Fctr	1736.1	8680.6	1803.4	1650.2	1408.5	1635.0
Run Time	12:05	12:02	12:13	12:48	12:55	11:17
ug/g Ag	20.6	54.1	21.5	22.1	19.7	24.8
Al	8326.6	8891.9	10449.1	37341.8	32119.5	316.2
As	76.0	99.5	62.1	96.3	83.9	78.9
B	598.3	666.3	149.2	1088.0	415.4	364.7
Ba	5.9	11.0	6.8	16.1	15.5	7.5
Be	0.5	1.0	0.5	0.6	0.5	0.5
Bi	52.2	82.6	46.2	59.9	55.5	53.8
Ca	1924.8	4.5	2163.6	1131.6	1035.5	224.4
Cd	6.5	5.4	9.4	6.5	6.8	7.7
Ce	104.2	274.0	86.0	99.6	79.0	152.1
Co	44.1	66.5	41.7	62.7	50.4	87.5
Cr	72.5	87.2	122.5	163.6	177.9	35.4
Cu	0.4	20.3	326.8	100.0	75.0	22.6
Dy	17.0	41.0	12.8	15.5	12.6	18.6
Eu	5.4	13.1	4.5	4.9	4.0	6.0
Fe	5111.5	5463.9	2509.6	1607.6	1768.9	815.1
K	8740510.7	9858885.9	9430577.8	7824190.5	6788597.6	10818857.9
La	28.0	75.0	23.4	26.5	21.6	31.8
Li	20.7	48.4	19.5	35.5	30.9	18.8
Mg	128.3	270.0	141.7	199.4	147.5	136.7
Mn	334.8	356.1	298.4	746.0	535.2	676.8
Mo	25.7	49.7	28.3	26.4	32.3	26.4
Na	201669.3	220212.2	201553.8	169524.1	181982.8	4891.7
Nd	108.4	281.2	85.5	97.0	82.1	119.8
Ni	3320.6	3529.1	1534.2	2041.1	1859.8	3644.1
P	708.8	780.3	827.6	5404.9	7078.8	135.7
Pb	158.9	322.8	144.1	167.4	149.5	158.2
Pd	315.2	832.7	242.0	296.0	225.6	329.3
Rh	154.3	385.2	121.4	141.5	119.0	177.6
Sb	90.7	174.3	80.0	81.2	64.9	99.8
Se	85.0	169.4	79.7	114.9	81.5	124.4
Si	714.8	792.4	1072.5	1935.1	1582.5	477.7
Sn	501.0	1321.8	417.9	489.0	409.6	649.1
Sr	7.3	11.1	7.6	161.6	201.0	6.9
Te	101.6	227.3	96.6	93.8	76.0	121.0
Th	25.0	2.6	19.4	19.3	19.7	29.2
Ti	22.4	35.2	26.0	37.6	27.9	24.4
Tl	86.4	156.2	64.7	140.7	111.4	63.0
U	1609.8	3581.9	1264.9	1887.9	1694.2	1885.2
V	15.5	33.3	14.1	21.7	21.8	18.2
W	62.3	117.9	58.8	246.5	266.0	64.1
Y	7.2	18.4	5.6	6.5	5.4	7.8
Zn	70.6	42.4	249.6	102.9	98.0	75.5
ug/g Zr	12.2	28.3	10.9	13.8	10.4	14.1

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

Template: TC-KOH

ICP RAW DATA -- IEC Corrected

File: m091395b
Reported: 09/15/95

Raw Data
Data Page 2 of 2

Analyzed: 09/13/95
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: D SANDERS

Reviewer: MW Thie 9/20/95

Sample ID:		95-07942-	95-07942-	95-07942-	95-07944-	95-07944-	95-07942-
Split ID:		H1-Smp	H1-SmpDil	H2-Dup	H1-Smp	H2-Dup	H3-Blk
Run Time:		12:05	12:02	12:13	12:48	12:55	11:17
(ug/mL)	Ag	0.0119	0.0062	0.0119	0.0134	0.0140	0.0152
	Al	4.7961	1.0244	5.7940	22.6291	22.8049	0.1934
	As	0.0438	0.0115	0.0344	0.0584	0.0595	0.0483
	B	0.3446	0.0768	0.0827	0.6593	0.2949	0.2231
	Ba	0.0034	0.0013	0.0038	0.0098	0.0110	0.0046
	Be	0.0003	0.0001	0.0003	0.0004	0.0004	0.0003
	Bi	0.0301	0.0095	0.0256	0.0363	0.0394	0.0329
	Ca	1.1087	0.0005	1.1997	0.6858	0.7352	0.1373
	Cd	0.0037	0.0006	0.0052	0.0039	0.0048	0.0047
	Ce	0.0600	0.0316	0.0477	0.0603	0.0561	0.0930
	Co	0.0254	0.0077	0.0231	0.0380	0.0358	0.0535
	Cr	0.0417	0.0100	0.0679	0.0992	0.1263	0.0217
	Cu	0.0002	0.0023	0.1812	0.0606	0.0533	0.0138
	Dy	0.0098	0.0047	0.0071	0.0094	0.0089	0.0114
	Eu	0.0031	0.0015	0.0025	0.0030	0.0029	0.0037
	Fe	2.9442	0.6294	1.3916	0.9742	1.2559	0.4985
	K	5034.5342	1135.7436	5229.2554	4741.4595	4819.9043	6617.0840
	La	0.0161	0.0086	0.0130	0.0161	0.0154	0.0194
	Li	0.0119	0.0056	0.0108	0.0215	0.0219	0.0115
	Mg	0.0739	0.0311	0.0786	0.1208	0.1047	0.0836
	Mn	0.1929	0.0410	0.1655	0.4521	0.3800	0.4139
	Mo	0.0148	0.0057	0.0157	0.0160	0.0230	0.0161
	Na	116.1615	25.3684	111.7616	102.7316	129.2078	2.9919
	Nd	0.0625	0.0324	0.0474	0.0588	0.0583	0.0733
	Ni	1.9126	0.4066	0.8507	1.2369	1.3205	2.2288
	P	0.4083	0.0899	0.4589	3.2753	5.0260	0.0830
	Pb	0.0915	0.0372	0.0799	0.1015	0.1062	0.0968
	Pd	0.1816	0.0959	0.1342	0.1794	0.1602	0.2014
	Rh	0.0889	0.0444	0.0673	0.0857	0.0845	0.1086
	Sb	0.0523	0.0201	0.0443	0.0492	0.0461	0.0610
	Se	0.0490	0.0195	0.0442	0.0696	0.0579	0.0761
	Si	0.4117	0.0913	0.5947	1.1727	1.1236	0.2922
	Sn	0.2886	0.1523	0.2318	0.2964	0.2908	0.3970
	Sr	0.0042	0.0013	0.0042	0.0979	0.1427	0.0042
	Te	0.0585	0.0262	0.0535	0.0568	0.0540	0.0740
	Th	0.0144	0.0003	0.0108	0.0117	0.0140	0.0179
	Ti	0.0129	0.0041	0.0144	0.0228	0.0198	0.0150
	Tl	0.0498	0.0180	0.0359	0.0853	0.0791	0.0385
	U	0.9273	0.4126	0.7014	1.1441	1.2028	1.1530
	V	0.0089	0.0038	0.0078	0.0132	0.0155	0.0111
	W	0.0359	0.0136	0.0326	0.1494	0.1888	0.0392
	Y	0.0041	0.0021	0.0031	0.0039	0.0038	0.0048
	Zn	0.0407	0.0049	0.1384	0.0624	0.0696	0.0462
(ug/mL)	Zr	0.0070	0.0033	0.0060	0.0084	0.0074	0.0086

Project: TWRS
Procedure: PNL-ALO-211

ICP ANALYSIS REPORT -- KOH/Ni Fusions

m091395c
09/13/95

Core 99

Sam Log#:		Seg 4A 95-07945-			Seg 4A 95-07945-		Seg 4C 95-07947-	Seg 4C 95-07947-			95-07945-	Seg 4A 95-07945-	
Split#:		H1-Smp			H2-Dup		H1-Smp	H2-Dup			H3-Blk	H1-SmpPS	
ICP Dil:		2.00	10.00		2.00		2.00	2.00			2.00	5.00	
Dil Fctr:		1857.0	9285.1		1706.5		1836.5	1384.1			1672.6	4642.5	
Est. IDL ug/mL	Analyte	Sample ug/g	Dilution ug/g	%D	Duplicate ug/g	RPD	Sample ug/g	Duplicate ug/g	RPD		Batch Blk ug/g	Net PSpk ug/mL	Post Spk Rec
0.015	Ag	(32)	ND		(33)		(39)	(31)			ND	ND	
0.060	Al	14,622	15,819	8	14,338	2	7,155	7,158	0		(354)	9.05	90.5%
0.080	As	ND	ND		ND		ND	(115)			ND	ND	
0.020	B	(293)	(354)		390		828	543	42	*	1,043	0.00	
0.010	Ba	257	(291)		262	2	(87)	(90)			ND	0.00	
0.005	Be	ND	ND		ND		ND	ND			ND	ND	
0.100	Bi	(1,279)	(1,350)		(1,369)		(878)	(926)			ND	(0.01)	
0.050	Ca	11,276	11,872	5	11,406	1	15,618	15,516	1		(149)	4.57	91.4%
0.015	Cd	ND	ND		ND		ND	ND			ND	0.25	98.5%
0.100	Ce	ND	ND		(214)		(202)	(188)			ND	ND	
0.010	Co	(81)	ND		(71)		(96)	(74)			(55)	(0.00)	
0.020	Cr	613	(661)		545	12	* (90)	(79)			ND	1.41	94.3%
0.010	Cu	(128)	(157)		ND		435	269	47	*	(150)	0.01	
0.050	Dy	ND	ND		ND		ND	ND			ND	ND	
0.100	Eu	ND	ND		ND		ND	ND			ND	ND	
0.020	Fe	19,490	21,229	9	19,044	2	32,264	35,089	8		738	(0.13)	
2.000	K	n/a	n/a		n/a		n/a	n/a			n/a	n/a	
0.050	La	ND	ND		ND		ND	ND			ND	ND	
0.030	Li	ND	ND		ND		ND	ND			ND	ND	
0.100	Mg	(1,293)	(1,477)		(1,143)		(1,141)	(1,188)			ND	(0.09)	
0.005	Mn	1,024	1,105	8	467	75	* 1,069	966	10		384	0.09	88.
0.030	Mo	ND	ND		ND		ND	ND			ND	ND	
0.080	Na	135,458	154,142	14	121,043	11	* 111,781	114,902	3		4,494	13.25	
0.050	Nd	(143)	ND		(186)		(191)	(174)			(111)	ND	
0.030	Ni	n/a	n/a		n/a		n/a	n/a			n/a	n/a	
0.100	P	14,255	15,057	6	12,926	10	24,626	24,629	0		ND	(0.07)	
0.060	Pb	(1,075)	(1,212)		1,156		(1,047)	1,125			(152)	4.92	98.4%
0.300	Pd	ND	ND		ND		ND	ND			ND	ND	
0.300	Rh	ND	ND		ND		ND	ND			ND	ND	
0.050	Sb	ND	ND		(106)		(107)	(84)			ND	ND	
0.100	Se	ND	ND		ND		ND	(152)			ND	ND	
0.500	Si	(2,929)	ND		(4,696)		(2,175)	(2,045)			ND	9.66	96.6%
1.000	Sn	ND	ND		ND		ND	ND			ND	ND	
0.005	Sr	12,488	13,734	10	12,751	2	1,084	1,097	1		ND	(0.09)	
0.500	Te	ND	ND		ND		ND	ND			ND	ND	
0.800	Th	ND	ND		ND		ND	ND			ND	ND	
0.005	Ti	(64)	(73)		(56)		(58)	(56)			(22)	(0.00)	
0.500	Tl	ND	ND		ND		ND	ND			ND	ND	
2.000	U	(30,957)	(34,843)		(31,604)		40,875	44,374	8		ND	18.37	91.8%
0.010	V	(23)	ND		(27)		(28)	(25)			ND	ND	
0.500	W	ND	ND		ND		ND	ND			ND	ND	
0.010	Y	ND	ND		ND		(21)	(21)			ND	ND	
0.020	Zn	(297)	(305)		(228)		(354)	310			(129)	0.01	
0.010	Zr	ND	ND		ND		ND	ND			ND	0.46	91.9%

Note:
1) Method Detecion Limit (MDL) = 10x IDL; "( )" results <MDL but =>IDL.
2) Above 5 times MDL, results reportable to 2 1/2 significant digits.
3) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
4) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
5) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
6) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
7) If RPD flagged with "*", then RPD >20% and sample & duplicate results >MDL.
8) If Percent Difference (%D) >10% and sample results >5x MDL, chemical/physical interferences may exist.
9) Data, including calibration/QC, archived File ICP-325-405-1/950256a

Analyzed Date: 09/13/95
Project: TWRS
Procedure: PNL-AL0-211
ICP Data Name: 95D256a

File: m091395c
Reported: 09/15/95
Data Page 1 of 2

Sample Log#	95-07945-H1-Smp	95-07945-H1-SmpDil	95-07945-H2-Dup	95-07947-H1-Smp	95-07947-H2-Dup	95-07945-H3-Blk	95-07945-H1-SmpPS	95-07945 PS Base
Prep Type	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g	0.1077	0.1077	0.1172	0.1089	0.1445	0.1196	0.1077	0.1077
Makeup Vol-mL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Dil: Smpl-mL								
Dil: Vol-mL								
Prep Factor	928.51	928.51	853.24	918.27	692.04	836.30	928.51	928.51
Spike ID							950830H901	
Spike PreDil'n							20.0	
ICP Dilution	2.00	10.00	2.00	2.00	2.00	2.00	5.00	5.00
Dil Fctr	1857.0	9285.1	1706.5	1836.5	1384.1	1672.6	4642.5	4642.5
Run Time	15:44	15:33	15:52	16:35	16:43	15:30	15:41	15:37
ug/g Ag	31.8	30.7	32.6	39.1	31.3	21.9	50.0	30.0
Al	14622.0	15819.5	14338.4	7155.5	7157.9	353.6	57721.2	15697.5
As	107.0	77.7	107.0	116.1	114.6	52.6	221.1	116.0
B	293.2	354.1	389.7	827.7	542.9	1042.7	322.7	334.2
Ba	257.2	290.8	262.2	87.4	90.1	5.9	277.6	282.5
Be	1.3	1.5	1.5	1.3	1.2	0.6	3.2	1.3
Bi	1279.3	1349.8	1369.4	877.9	926.2	75.9	1423.4	1357.4
Ca	11275.5	11871.8	11406.3	15617.9	15516.1	148.8	33172.2	11954.1
Cd	15.8	26.3	11.7	20.1	12.5	9.6	1143.0	12.2
Ce	165.0	178.8	214.2	201.9	187.6	115.5	284.2	198.7
Co	80.6	86.6	71.1	96.0	74.0	55.1	103.6	87.8
Cr	613.4	660.6	545.1	89.9	78.9	28.0	7225.4	660.6
Cu	128.1	157.5	-15.2	434.6	269.1	150.4	119.9	149.6
Dy	16.4	17.9	22.6	18.4	14.0	17.7	18.8	15.6
Eu	7.0	8.3	9.1	9.1	8.2	5.2	12.1	7.4
Fe	19490.3	21229.1	19043.6	32263.7	35088.9	737.7	20439.1	21040.7
K	8911460.1	10433241.9	7921171.7	7888406.4	5907361.7	8488202.8	9703150.4	**********
La	66.9	75.4	80.4	60.4	56.9	30.5	103.5	74.2
Li	18.3	19.7	24.9	20.6	20.4	15.7	32.9	20.9
Mg	1293.2	1476.7	1143.4	1140.7	1188.5	133.1	1874.9	1467.4
Mn	1024.2	1105.3	466.5	1068.8	965.8	383.6	1512.7	1100.6
Mo	34.7	42.1	25.8	37.6	32.4	19.1	36.5	38.7
Na	135458.4	154141.7	121042.8	111781.3	114901.9	4493.6	211430.3	149935.2
Nd	143.1	195.5	185.6	191.0	174.4	111.5	219.8	169.5
Ni	16800.3	18328.5	9969.6	6156.1	5156.4	7806.0	40048.4	18091.8
P	14255.1	15057.1	12925.8	24626.2	24629.2	145.2	14732.7	15058.3
Pb	1075.1	1212.3	1155.5	1046.9	1125.1	152.5	24007.7	1177.1
Pd	186.2	311.5	297.9	183.8	88.5	334.8	-130.7	236.1
Rh	160.9	167.4	214.8	173.7	145.2	151.0	218.6	187.9
Sb	85.4	46.4	106.3	106.7	83.9	74.2	122.9	100.0
Se	135.9	18.0	144.7	151.7	152.1	89.4	195.7	134.0
Si	2928.9	3279.6	4695.6	2175.1	2044.8	477.9	48033.6	3168.5
Sn	589.2	618.5	763.2	654.6	612.1	539.7	1164.3	679.3
Sr	12488.0	13734.4	12750.9	1084.3	1096.8	5.4	13137.2	13544.2
Te	136.2	170.4	162.9	157.0	141.3	106.9	153.9	147.9
Th	416.3	410.3	432.6	579.7	634.3	28.4	1571.7	465.4
Ti	64.1	72.6	56.0	57.7	56.0	22.4	75.9	69.3
Tl	103.8	111.6	116.6	113.1	96.8	62.5	284.8	116.9
U	30956.8	34843.0	31604.3	40874.8	44374.4	1729.3	119509.1	34236.6
V	23.5	25.6	26.9	27.7	25.2	16.1	40.1	25.0
W	166.5	204.5	156.0	104.4	98.0	49.6	237.0	178.1
Y	14.4	16.8	16.8	20.6	20.9	6.5	25.6	16.6
Zn	297.1	304.6	227.7	354.3	309.9	129.0	291.9	349.9
ug/g Zr	9.6	7.2	10.8	-0.6	-1.2	11.0	2133.2	3.9

Template: TC-KOH

ICP RAW DATA -- IEC Corrected

File: m091395c
Reported: 09/15/95

Raw Data
Data Page 2 of 2

Analyzed: 09/13/95
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: D SANDERS

Reviewer: MW Thu 9/15/95

Sample ID: / Split ID:		95-07945-H1-Smp	95-07945-H1-SmpDil	95-07945-H2-Dup	95-07947-H1-Smp	95-07947-H2-Dup	95-07945-H3-Blk	95-07945-H1-SmpPS	95-07945 PS Base	Post Spk Conc ug/mL
Run Time:		15:44	15:33	15:52	16:35	16:43	15:30	15:41	15:37	
(ug/mL)	Ag	0.0171	0.0033	0.0191	0.0213	0.0226	0.0131	0.0108	0.0065	
	Al	7.8740	1.7038	8.4023	3.8962	5.1715	0.2114	12.4331	3.3812	1000
	As	0.0576	0.0084	0.0627	0.0632	0.0828	0.0314	0.0476	0.0250	
	B	0.1579	0.0381	0.2284	0.4507	0.3922	0.6234	0.0695	0.0720	
	Ba	0.1385	0.0313	0.1536	0.0476	0.0651	0.0035	0.0598	0.0609	
	Be	0.0007	0.0002	0.0009	0.0007	0.0009	0.0003	0.0007	0.0003	
	Bi	0.6889	0.1454	0.8025	0.4780	0.6692	0.0454	0.3066	0.2924	
	Ca	6.0719	1.2786	6.6841	8.5039	11.2104	0.0890	7.1453	2.5749	500
	Cd	0.0085	0.0028	0.0069	0.0110	0.0091	0.0057	0.2462	0.0026	25
	Ce	0.0889	0.0193	0.1255	0.1100	0.1355	0.0691	0.0612	0.0428	
	Co	0.0434	0.0093	0.0417	0.0523	0.0534	0.0329	0.0223	0.0189	
	Cr	0.3303	0.0712	0.3194	0.0489	0.0570	0.0167	1.5564	0.1423	150
	Cu	0.0690	0.0170	-0.0089	0.2366	0.1944	0.0899	0.0258	0.0322	
	Dy	0.0089	0.0019	0.0133	0.0100	0.0101	0.0106	0.0040	0.0034	
	Eu	0.0038	0.0009	0.0053	0.0050	0.0059	0.0031	0.0026	0.0016	
	Fe	10.4955	2.2864	11.1595	17.5676	25.3517	0.4411	4.4026	4.5322	
	K	4798.8213	1123.6601	4641.8066	4295.2373	4268.0688	5074.8843	2090.0586	2157.0923	2000
	La	0.0361	0.0081	0.0471	0.0329	0.0411	0.0182	0.0223	0.0160	
	Li	0.0098	0.0021	0.0146	0.0112	0.0148	0.0094	0.0071	0.0045	
	Mg	0.6964	0.1590	0.6701	0.6211	0.8587	0.0796	0.4038	0.3161	
	Mn	0.5515	0.1190	0.2734	0.5820	0.6978	0.2293	0.3258	0.2371	10
	Mo	0.0187	0.0045	0.0151	0.0205	0.0234	0.0114	0.0079	0.0083	
	Na	72.9444	16.6011	70.9311	60.8649	83.0166	2.6866	45.5421	32.2960	
	Nd	0.0771	0.0211	0.1087	0.1040	0.1260	0.0667	0.0474	0.0365	
	Ni	9.0470	1.9740	5.8422	3.3520	3.7255	4.6670	8.6264	3.8970	500
	P	7.6764	1.6217	7.5745	13.4090	17.7946	0.0868	3.1734	3.2435	
	Pb	0.5789	0.1306	0.6771	0.5701	0.8129	0.0912	5.1713	0.2535	500
	Pd	0.1003	0.0335	0.1746	0.1001	0.0639	0.2002	-0.0282	0.0509	
	Rh	0.0866	0.0180	0.1259	0.0946	0.1049	0.0903	0.0471	0.0405	
	Sb	0.0460	0.0050	0.0623	0.0581	0.0606	0.0444	0.0265	0.0215	
	Se	0.0732	0.0019	0.0848	0.0826	0.1099	0.0535	0.0422	0.0289	
	Si	1.5772	0.3532	2.7517	1.1844	1.4774	0.2858	10.3464	0.6825	1000
	Sn	0.3173	0.0666	0.4472	0.3564	0.4423	0.3227	0.2508	0.1463	
	Sr	6.7248	1.4792	7.4720	0.5904	0.7924	0.0032	2.8298	2.9174	
	Te	0.0733	0.0184	0.0955	0.0855	0.1021	0.0639	0.0331	0.0319	
	Th	0.2242	0.0442	0.2535	0.3157	0.4582	0.0170	0.3385	0.1002	
	Ti	0.0345	0.0078	0.0328	0.0314	0.0405	0.0134	0.0163	0.0149	
	Tl	0.0559	0.0120	0.0684	0.0616	0.0700	0.0374	0.0614	0.0252	
	U	16.6702	3.7526	18.5201	22.2563	32.0605	1.0339	25.7423	7.3746	2000
	V	0.0126	0.0028	0.0158	0.0151	0.0182	0.0096	0.0086	0.0054	
	W	0.0897	0.0220	0.0914	0.0569	0.0708	0.0297	0.0511	0.0384	
	Y	0.0077	0.0018	0.0098	0.0112	0.0151	0.0039	0.0055	0.0036	
	Zn	0.1600	0.0328	0.1334	0.1929	0.2239	0.0771	0.0629	0.0754	
(ug/mL)	Zr	0.0052	0.0008	0.0063	-0.0003	-0.0009	0.0066	0.4595	0.0008	50

Project: TWRS
Procedure: PNL-ALO-211

ICP ANALYSIS REPORT -- KOH/Ni Fusions

m091395d
09/13/95

Core 99

		Seg 4B			Seg 4B		Seg 4D	Seg 4D		
Sam Log#:		95-07946-			95-07946-		95-07948-	95-07948-		95-07946-
Split#:		H1T-Smp			H2T-Dup		H1-Smp	H2-Dup		HCB-Blk
ICP Dil:		2.00	10.00		2.00		2.00	2.00		2.00
Dil Fctr:		1996.0	9980.0		2016.1		2024.3	2283.1		2073.6
Est. IDL ug/mL	Analyte	Sample ug/g	Dilution ug/g	%D	Duplicate ug/g	RPD	Sample ug/g	Duplicate ug/g	RPD	Batch Blk ug/g
0.015	Ag	ND	ND		(32)		(33)	(38)		(42)
0.060	Al	13,068	13,685	5	10,380	23 *	8,608	8,725	1	(1,116)
0.080	As	(220)	ND		(214)		ND	ND		(222)
0.020	B	460	(532)		405	13 *	1,119	(456)		(385)
0.010	Ba	619	(666)		445	33 *	(117)	(120)		ND
0.005	Be	ND	ND		ND		ND	ND		ND
0.100	Bi	3,245	(3,512)		2,502	26 *	(1,123)	(1,174)		(255)
0.050	Ca	11,867	12,099	2	8,471	33 *	7,973	8,038	1	(260)
0.015	Cd	(57)	ND		(76)		ND	ND		ND
0.100	Ce	ND	ND		ND		ND	ND		(255)
0.010	Co	(93)	(140)		(89)		(94)	(129)		(91)
0.020	Cr	567	(578)		(398)		(103)	(119)		(77)
0.010	Cu	(63)	(122)		(45)		247	(169)		(66)
0.050	Dy	ND	ND		ND		ND	ND		ND
0.100	Eu	ND	ND		ND		ND	ND		ND
0.020	Fe	29,045	30,298	4	21,333	31 *	44,493	44,702	0	(397)
2.000	K	n/a	n/a		n/a		n/a	n/a		n/a
0.050	La	ND	ND		ND		ND	ND		ND
0.030	Li	(127)	ND		(171)		ND	ND		ND
0.100	Mg	(1,511)	(1,798)		(1,199)		(1,233)	(1,209)		(224)
0.005	Mn	803	836	4	644	22 *	1,234	1,554	23 *	390
0.030	Mo	ND	ND		ND		ND	ND		ND
0.080	Na	103,437	113,594	10	114,857	10	117,626	117,166	0	4,504
0.050	Nd	(154)	ND		(176)		(171)	(200)		(238)
0.030	Ni	n/a	n/a		n/a		n/a	n/a		n/a
0.100	P	20,096	20,254	1	28,137	33 *	26,870	27,825	3	(364)
0.060	Pb	(1,141)	(1,454)		(902)		1,544	1,628	5	(332)
0.300	Pd	ND	ND		ND		ND	ND		(926)
0.300	Rh	ND	ND		ND		ND	ND		ND
0.050	Sb	(135)	ND		(148)		(102)	ND		(186)
0.100	Se	ND	ND		ND		ND	ND		ND
0.500	Si	(4,194)	ND		(4,532)		(2,567)	(2,746)		ND
1.000	Sn	ND	ND		ND		ND	ND		ND
0.005	Sr	27,379	28,536	4	18,725	38 *	1,452	1,471	1	(18)
0.500	Te	ND	ND		ND		ND	ND		ND
0.800	Th	ND	ND		ND		ND	ND		ND
0.005	Ti	478	513		412	15 *	(76)	(83)		322
0.500	Tl	ND	ND		ND		ND	ND		ND
2.000	U	61,811	(69,317)		46,561	28 *	51,491	51,633	0	ND
0.010	V	(28)	ND		(29)		(26)	(32)		(35)
0.500	W	ND	ND		ND		ND	ND		ND
0.010	Y	ND	ND		ND		(24)	(25)		ND
0.020	Zn	(63)	ND		ND		(396)	(368)		ND
0.010	Zr	(33)	ND		ND		ND	ND		(32)

Note:
1) Method Detecion Limit (MDL) = 10x IDL; "( )" results <MDL but =>IDL.
2) Above 5 times MDL, results reportable to 2 1/2 significant digits.
3) Blank is reported in ug/g "equivalence" to indicate blank effect on sample results.
4) The process "blank" has not been subtracted from the "Sample & Duplicate" results.
5) Above 5 times the MDL, precision is estimated at +/-10% and accuracy at +/-15%.
6) "ND" = Not Detected; Estimated Sample Detection Limit (ug/g) = (IDL in ug/mL) * (Dil Fctr).
7) If RPD flagged with "*", then RPD >20% and sample & duplicate results >MDL.
8) If Percent Difference (%D) >10% and sample results >5x MDL, chemical/physical interferences may exist.
9) Data, including calibration/QC, archived File ICP-325-405-1/95D256a

Analyzed Date: 09/13/95
Project: TWRS
Procedure: PNL-AL0-211
ICP Data Name: 95D256a

File: m091395d
Reported: 09/15/95
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Sample Log#	95-07946-H1T-Smp	95-07946-H1T-SmpDil	95-07946-H2T-Dup	95-07948-H1-Smp	95-07948-H2-Dup	95-07946-HCB-Blk
Prep Type	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g	0.1002	0.1002	0.0992	0.0988	0.0876	0.0964
Makeup Vol-mL	100.0	100.0	100.0	100.0	100.0	100.0
Dil: Smpl-mL						
Dil: Vol-mL						
Prep Factor	998.00	998.00	1008.06	1012.15	1141.55	1036.81
Spike ID						
Spike PreDil'n						
ICP Dilution	2.00	10.00	2.00	2.00	2.00	2.00
Dil Fctr	1996.0	9980.0	2016.1	2024.3	2283.1	2073.6
Run Time	16:19	16:15	16:27	17:04	17:12	15:56
ug/g Ag	25.7	68.3	32.2	33.1	37.9	42.2
Al	13068.0	13684.9	10380.2	8607.5	8725.5	1116.4
As	219.9	317.6	214.2	134.3	131.8	221.9
B	459.8	531.7	404.6	1119.4	455.5	385.3
Ba	618.8	665.7	445.5	117.5	120.3	17.5
Be	2.0	3.4	1.8	1.4	1.6	1.3
Bi	3245.0	3511.6	2502.1	1122.9	1174.3	254.6
Ca	11867.2	12099.0	8471.2	7973.2	8038.4	259.9
Cd	57.1	63.0	76.2	14.7	17.7	30.3
Ce	172.9	505.1	193.8	182.6	217.9	255.4
Co	92.8	140.4	88.6	94.0	129.5	91.3
Cr	567.1	577.5	398.0	103.4	118.8	76.6
Cu	63.3	122.0	44.8	247.1	168.5	65.6
Dy	18.5	64.6	24.2	12.8	18.7	45.0
Eu	6.2	17.4	7.1	8.6	9.8	11.0
Fe	29045.1	30298.0	21332.5	44492.7	44702.4	397.1
K	9839294.1	11032545.4	9651609.4	9279674.4	10423958.5	9344261.3
La	55.2	136.5	61.2	56.0	63.5	61.8
Li	127.3	163.1	170.7	18.8	23.4	40.2
Mg	1511.1	1798.2	1199.4	1233.3	1209.1	223.9
Mn	803.2	836.3	643.5	1234.1	1554.4	389.8
Mo	43.3	69.9	40.5	36.5	41.9	39.2
Na	103436.8	113594.2	114856.6	117625.8	117166.5	4504.3
Nd	154.5	413.3	176.1	170.7	199.6	237.6
Ni	160490.5	168109.4	150995.3	4486.8	6067.0	128696.0
P	20096.1	20254.0	28136.8	26870.1	27825.5	363.6
Pb	1140.6	1453.6	901.6	1543.7	1627.8	331.9
Pd	-24.7	757.6	149.1	49.9	133.8	925.7
Rh	229.3	589.5	269.2	141.2	188.5	414.1
Sb	135.2	318.5	147.8	101.9	111.8	186.4
Se	174.7	345.0	183.1	172.3	218.2	203.5
Si	4194.1	4705.6	4532.1	2567.2	2746.3	966.9
Sn	850.3	1858.3	948.9	620.5	783.8	1207.3
Sr	27379.3	28536.1	18725.0	1452.2	1471.5	18.3
Te	196.6	396.4	200.3	159.2	179.1	245.6
Th	888.4	1004.9	703.6	738.3	761.3	99.6
Ti	478.2	513.3	412.1	75.6	83.2	321.7
Tl	156.9	144.0	149.0	124.9	130.5	116.0
U	61810.9	69317.5	46561.1	51491.1	51633.2	4058.9
V	27.9	55.5	28.6	26.5	31.8	34.8
W	248.8	363.0	226.4	111.9	138.1	207.3
Y	19.2	32.6	17.4	23.6	25.4	14.6
Zn	62.8	61.2	22.6	396.5	368.3	-59.6
ug/g Zr	33.4	51.3	2.5	-9.6	-12.2	31.6

Template: TC-KOH

ICP RAW DATA -- IEC Corrected

File: m091395d
Reported: 09/15/95

Raw Data
Data Page 2 of 2

Analyzed: 09/13/95
Project: TWRS
Procedure: PNL-ALO-211
MT&E: JA ICP WB73520

Analyst: D SANDERS

Reviewer: MO Thu 9/20/95

Sample ID:		95-07946-	95-07946-	95-07946-	95-07948-	95-07948-	95-07946-
Split ID:		H1T-Smp	H1T-SmpDil	H2T-Dup	H1-Smp	H2-Dup	HCB-Blk
Run Time:		16:19	16:15	16:27	17:04	17:12	15:56
(ug/mL)	Ag	0.0129	0.0068	0.0160	0.0164	0.0166	0.0204
	Al	6.5470	1.3712	5.1486	4.2521	3.8218	0.5384
	As	0.1102	0.0318	0.1062	0.0664	0.0577	0.1070
	B	0.2303	0.0533	0.2007	0.5530	0.1995	0.1858
	Ba	0.3100	0.0667	0.2210	0.0580	0.0527	0.0084
	Be	0.0010	0.0003	0.0009	0.0007	0.0007	0.0006
	Bi	1.6258	0.3519	1.2410	0.5547	0.5143	0.1228
	Ca	5.9455	1.2123	4.2017	3.9388	3.5208	0.1253
	Cd	0.0286	0.0063	0.0378	0.0072	0.0078	0.0146
	Ce	0.0866	0.0506	0.0961	0.0902	0.0954	0.1232
	Co	0.0465	0.0141	0.0439	0.0465	0.0567	0.0440
	Cr	0.2841	0.0579	0.1974	0.0511	0.0521	0.0370
	Cu	0.0317	0.0122	0.0222	0.1221	0.0738	0.0316
	Dy	0.0093	0.0065	0.0120	0.0063	0.0082	0.0217
	Eu	0.0031	0.0017	0.0035	0.0042	0.0043	0.0053
	Fe	14.5516	3.0359	10.5809	21.9794	19.5796	0.1915
	K	4929.4863	1105.4610	4787.1982	4584.1592	4565.6938	4506.2700
	La	0.0276	0.0137	0.0304	0.0277	0.0278	0.0298
	Li	0.0638	0.0163	0.0847	0.0093	0.0103	0.0194
	Mg	0.7571	0.1802	0.5949	0.6093	0.5296	0.1080
	Mn	0.4024	0.0838	0.3192	0.6096	0.6808	0.1880
	Mo	0.0217	0.0070	0.0201	0.0180	0.0183	0.0189
	Na	51.8218	11.3821	56.9689	58.1072	51.3189	2.1722
	Nd	0.0774	0.0414	0.0874	0.0843	0.0874	0.1146
	Ni	80.4057	16.8446	74.8937	2.2165	2.6573	62.0637
	P	10.0681	2.0295	13.9559	13.2738	12.1875	0.1754
	Pb	0.5714	0.1457	0.4472	0.7626	0.7130	0.1601
	Pd	-0.0124	0.0759	0.0739	0.0246	0.0586	0.4464
	Rh	0.1149	0.0591	0.1335	0.0698	0.0826	0.1997
	Sb	0.0677	0.0319	0.0733	0.0503	0.0490	0.0899
	Se	0.0875	0.0346	0.0908	0.0851	0.0956	0.0982
	Si	2.1013	0.4715	2.2479	1.2682	1.2029	0.4663
	Sn	0.4260	0.1862	0.4706	0.3065	0.3433	0.5822
	Sr	13.7170	2.8593	9.2876	0.7174	0.6445	0.0088
	Te	0.0985	0.0397	0.0994	0.0786	0.0784	0.1184
	Th	0.4451	0.1007	0.3490	0.3647	0.3334	0.0481
	Ti	0.2396	0.0514	0.2044	0.0373	0.0364	0.1551
	Tl	0.0786	0.0144	0.0739	0.0617	0.0571	0.0560
	U	30.9673	6.9456	23.0943	25.4366	22.6153	1.9574
	V	0.0140	0.0056	0.0142	0.0131	0.0139	0.0168
	W	0.1247	0.0364	0.1123	0.0553	0.0605	0.1000
	Y	0.0096	0.0033	0.0086	0.0117	0.0111	0.0070
	Zn	0.0315	0.0061	0.0112	0.1959	0.1613	-0.0287
(ug/mL)	Zr	0.0167	0.0051	0.0013	-0.0047	-0.0053	0.0152

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

								CCV1 950713H901	1 950713	1 950713	1 950713H901						
								95D256A	95D256A	95D256A	95D256A						
								9/13/95	9/13/95	9/13/95	9/13/95						
Statistical Summary for "CCV1 950713H901"								10:22	13:24	15:21	17:43						
(HPS:CCV-1)								CONC	CONC	CONC	CONC						
	TRUE	***N***	***Average***	***S.Dev***	***%RSD***	***Bias***	***Bias***	1801	1846	1891	1936						
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)						
Ag		4	0.001	0.002	197			0.003	0.004	-0.001	-0.001						
Al	2.000	4	1.898	0.031	2	-0.102	-5.1	1.907	1.852	1.916	1.917						
As	2.000	4	1.978	0.015	1	-0.022	-1.1	1.991	1.957	1.980	1.984						
B	2.000	4	1.929	0.040	2	-0.071	-3.6	1.939	1.870	1.956	1.950						
Ba	1.000	4	0.981	0.019	2	-0.019	-1.9	0.994	0.953	0.989	0.987						
Be	1.000	4	0.960	0.027	3	-0.040	-4.0	0.964	0.920	0.977	0.978						
Bi	2.000	4	1.927	0.058	3	-0.073	-3.7	1.919	1.847	1.965	1.975						
Ca	2.000	4	1.914	0.025	1	-0.086	-4.3	1.941	1.882	1.916	1.918						
Cd	1.000	4	0.975	0.014	1	-0.025	-2.5	0.991	0.957	0.979	0.973						
Ce		4	0.007	0.013	184			0.012	0.022	-0.002	-0.005						
Co	1.000	4	1.017	0.014	1	0.017	1.7	1.036	1.003	1.012	1.016						
Cr	0.500	4	0.506	0.010	2	0.006	1.3	0.517	0.492	0.507	0.509						
Cu	2.000	4	1.988	0.046	2	-0.012	-0.6	2.018	1.919	2.012	2.004						
Dy		4	0.001	0.002	208			0.001	0.004	-0.001	0.000						
Eu		4	0.001	0.001	74			0.001	0.002	0.000	0.000						
Fe	2.000	4	1.972	0.030	2	-0.028	-1.4	2.010	1.938	1.970	1.969						
K	5.000	4	5.084	0.255	5	0.084	1.7	5.242	4.883	5.360	4.852						
La		4	0.003	0.004	116			0.005	0.008	-0.001	0.001						
Li	2.000	4	1.984	0.073	4	-0.016	-0.8	1.928	1.914	2.049	2.044						
Mg	2.000	4	2.057	0.027	1	0.057	2.9	2.090	2.024	2.054	2.062						
Mn	1.000	4	1.003	0.017	2	0.003	0.3	1.016	0.977	1.008	1.011						
Mo	2.000	4	1.958	0.029	1	-0.042	-2.1	1.997	1.926	1.955	1.955						
Na	8.100	4	8.047	0.305	4	-0.053	-0.7	7.752	7.815	8.307	8.313						
Nd		4	0.012	0.013	112			0.017	0.027	0.004	-0.002						
Ni	2.000	4	2.052	0.030	1	0.052	2.6	2.094	2.023	2.043	2.049						
P	5.000	4	4.653	0.095	2	-0.347	-6.9	4.724	4.516	4.707	4.665						
Pb	2.000	4	2.033	0.032	2	0.033	1.7	2.079	2.006	2.017	2.029						
Pd		4	0.035	0.040	115			0.051	0.084	0.002	0.002						
Rh		4	0.014	0.018	127			0.023	0.034	-0.001	0.000						
Sb		4	-0.004	0.006	-156			0.000	0.001	-0.012	-0.005						
Se	2.000	4	1.949	0.030	2	-0.051	-2.5	1.956	1.905	1.971	1.965						
Si	5.000	4	4.920	0.101	2	-0.080	-1.6	4.945	4.772	4.994	4.969						
Sn		4	0.030	0.064	211			0.082	0.089	-0.025	-0.026						
Sr	2.000	4	2.004	0.053	3	0.004	0.2	2.012	1.941	1.994	2.070						
Te		4	-0.011	0.010	-92			-0.003	-0.001	-0.020	-0.018						
Th		4	0.003	0.001	42			0.002	0.004	0.001	0.004						
Ti		4	0.001	0.001	106			0.001	0.002	0.000	0.000						
Tl	2.000	4	1.948	0.026	1	-0.052	-2.6	1.947	1.913	1.975	1.958						
U		4	0.133	0.190	143			0.203	0.371	-0.011	-0.030						
V	1.000	4	0.951	0.020	2	-0.049	-4.9	0.957	0.921	0.962	0.962						
W		4	0.013	0.003	21			0.015	0.014	0.010	0.011						
Y		4	0.001	0.001	171			0.001	0.002	0.000	0.000						
Zn	1.000	4	1.010	0.009	1	0.010	1.0	1.023	1.005	1.002	1.009						
Zr		4	0.000	0.002	1344			0.001	0.002	-0.001	-0.001						
TIME		4	10000.000	0.000	0			10000.000	#######	#######	#######						

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Statistical Summary for 'MCVA 950728I901'

(MCVA)

	TRUE (ug/mL)	N	Average (ug/mL)	S.Dev (ug/mL)	%RSD (%)	Bias (ug/mL)	Bias (%)
Ag	0.500	10	0.482	0.011	2	-0.018	-3.5
Al	25.000	10	24.383	0.624	3	-0.617	-2.5
As	2.500	10	2.510	0.049	2	0.010	0.4
B	2.000	10	1.956	0.047	2	-0.044	-2.2
Ba	0.500	10	0.495	0.014	3	-0.005	-1.0
Be	0.100	10	0.092	0.003	3	-0.008	-7.5
Bi	25.000	10	24.306	0.639	3	-0.694	-2.8
Ca	25.000	10	24.382	0.464	2	-0.618	-2.5
Cd	0.500	10	0.486	0.008	2	-0.014	-2.9
Ce		10	-0.027	0.022	-79		
Co	1.000	10	0.999	0.019	2	-0.001	-0.1
Cr	1.000	10	0.994	0.017	2	-0.006	-0.6
Cu	1.000	10	0.978	0.027	3	-0.022	-2.2
Dy		10	0.000	0.003	874		
Eu		10	0.002	0.001	34		
Fe	20.000	10	19.830	0.426	2	-0.170	-0.8
K	25.000	10	25.690	1.185	5	0.690	2.8
La		10	0.005	0.004	74		
Li	2.000	10	1.913	0.092	5	-0.087	-4.4
Mg	25.000	10	25.671	0.540	2	0.671	2.7
Mn	0.500	10	0.500	0.011	2	0.000	0.1
Mo	1.000	10	1.002	0.022	2	0.002	0.2
Na	25.000	10	23.960	1.155	5	-1.040	-4.2
Nd		10	0.014	0.017	116		
Ni	1.000	10	1.034	0.013	1	0.034	3.4
P		10	0.058	0.019	33		
Pb	2.500	10	2.540	0.039	2	0.040	1.6
Pd		10	-0.002	0.047	-2707		
Rh		10	0.003	0.022	740		
Sb	2.500	10	2.467	0.051	2	-0.033	-1.3
Se	2.500	10	2.476	0.060	2	-0.025	-1.0
Si	20.000	10	18.448	0.472	3	-1.552	-7.8
Sn		10	-0.061	0.073	-120		
Sr	0.500	10	0.506	0.017	3	0.006	1.3
Te		10	-0.001	0.012	-1028		
Th		10	0.044	0.005	11		
Ti	1.000	10	0.972	0.023	2	-0.028	-2.8
Tl		10	2.500	0.056	2		
U		10	0.081	0.274	338		
V	1.000	10	0.972	0.023	2	-0.028	-2.8
W		10	0.029	0.009	31		
Y		10	0.000	0.001	419		
Zn	1.000	10	0.987	0.019	2	-0.013	-1.3
Zr	2.000	10	1.991	0.049	2	-0.009	-0.5
TIME		10	10000.000	0.000	0		

MCVA 950728I901	A 95072	A 95072	A 95072	A 95072	A 95072	A 95072	A 95072	A 95072	A 95072
95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A
9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95
10:06	11:21	11:56	12:34	13:08	15:04	16:01	16:05	16:50	17:24
CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC
2161	2206	2251	2296	2341	2386	2431	2476	2521	2566
(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
0.484	0.473	0.471	0.477	0.477	0.484	0.466	0.493	0.500	0.498
24.669	24.148	24.071	24.492	24.314	24.457	22.941	24.507	25.312	24.924
2.546	2.464	2.478	2.499	2.502	2.486	2.426	2.553	2.562	2.577
1.979	1.933	1.930	1.953	1.950	1.961	1.852	1.975	2.021	2.008
0.506	0.493	0.492	0.499	0.497	0.493	0.460	0.495	0.511	0.505
0.093	0.090	0.090	0.091	0.091	0.093	0.089	0.095	0.096	0.096
24.389	23.788	23.719	23.972	23.953	24.502	23.435	24.821	25.293	25.190
24.698	24.131	24.075	24.260	24.324	24.118	23.515	24.752	24.907	25.036
0.494	0.483	0.482	0.485	0.485	0.481	0.470	0.493	0.488	0.495
-0.039	-0.005	-0.027	-0.035	-0.039	-0.044	0.020	-0.017	-0.052	-0.037
1.016	0.994	0.992	0.998	1.002	0.981	0.958	1.009	1.016	1.021
1.012	0.984	0.987	0.991	0.992	0.983	0.960	1.009	1.010	1.015
1.010	0.965	0.963	0.974	0.969	0.989	0.918	0.987	1.010	0.998
-0.001	0.001	0.000	0.000	0.000	-0.002	0.007	0.002	-0.003	0.000
0.002	0.002	0.002	0.002	0.002	0.001	0.004	0.002	0.001	0.002
20.257	19.759	19.719	19.888	19.917	19.562	18.811	19.960	20.198	20.230
25.345	26.046	24.438	26.394	23.896	26.518	27.715	24.944	26.739	24.866
0.004	0.006	0.005	0.004	0.005	0.003	0.016	0.008	0.000	0.005
1.928	1.915	1.880	1.998	1.891	1.974	1.709	1.865	2.052	1.918
26.162	25.580	25.500	25.786	25.732	25.396	24.368	25.801	26.196	26.186
0.508	0.495	0.493	0.497	0.499	0.497	0.480	0.508	0.514	0.515
1.024	0.994	0.994	1.008	1.005	0.984	0.952	1.013	1.023	1.021
24.081	23.984	23.491	25.196	23.591	24.713	21.499	23.355	25.726	23.964
0.009	0.016	0.013	0.009	0.012	0.005	0.056	0.022	-0.008	0.010
1.043	1.021	1.024	1.027	1.037	1.014	1.025	1.049	1.045	1.053
0.034	0.050	0.045	0.060	0.040	0.054	0.085	0.080	0.042	0.083
2.576	2.523	2.511	2.531	2.528	2.489	2.492	2.589	2.565	2.596
-0.021	0.001	0.001	-0.013	-0.008	-0.031	0.119	0.016	-0.062	-0.017
-0.005	0.008	0.004	-0.001	-0.002	-0.014	0.056	0.014	-0.026	-0.003
2.495	2.445	2.432	2.464	2.432	2.444	2.378	2.508	2.547	2.525
2.485	2.427	2.423	2.439	2.448	2.467	2.400	2.545	2.555	2.567
18.561	18.149	18.070	18.293	18.235	18.517	17.618	19.152	19.015	18.870
-0.075	-0.053	-0.075	-0.109	-0.100	-0.120	0.117	-0.002	-0.134	-0.062
0.511	0.498	0.497	0.505	0.503	0.496	0.476	0.511	0.537	0.529
-0.005	0.003	0.001	-0.010	-0.006	-0.010	0.027	0.004	-0.015	-0.002
0.037	0.043	0.042	0.040	0.040	0.046	0.049	0.051	0.047	0.051
0.991	0.967	0.965	0.977	0.977	0.962	0.916	0.977	0.996	0.994
2.491	2.448	2.461	2.526	2.495	2.483	2.402	2.550	2.577	2.570
-0.008	0.085	0.127	-0.064	-0.006	-0.088	0.774	0.239	-0.225	-0.023
0.982	0.957	0.954	0.963	0.964	0.971	0.933	0.990	1.005	1.006
0.025	0.027	0.023	0.021	0.028	0.024	0.049	0.038	0.022	0.034
0.000	0.001	0.001	0.000	0.000	-0.001	0.003	0.001	-0.001	0.000
0.999	0.984	0.980	0.996	0.995	0.969	0.943	0.992	1.004	1.007
2.029	1.978	1.978	2.000	2.004	1.970	1.871	1.997	2.044	2.034
10000.000	#######	#######	#######	#######	#######	#######	#######	#######	#######

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

Statistical Summary for "MCVB 950911H901"

	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	MCVB 950911H901	B 950911	B 950911	B 950911	B 950911	B 950911H901
								95D256A	95D256A	95D256A	95D256A	95D256A	95D256A
								9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95
								10:14	13:15	15:11	15:13	17:31	17:35
(MCVB)								CONC	CONC	CONC	CONC	CONC	CONC
								2611	2656	2701	2746	2791	2836
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag		6	0.002	0.001	55			0.002	0.003	0.001	0.003	0.001	0.001
Al		6	-0.161	0.020	-12			-0.183	-0.126	-0.175	-0.159	-0.159	-0.166
As		6	0.001	0.009	736			0.006	0.013	-0.010	0.005	-0.009	0.003
B		6	0.007	0.003	48			0.007	0.004	0.010	0.011	0.005	0.003
Ba		6	0.000	0.000	69			0.001	0.001	0.000	0.001	0.000	0.000
Be		6	0.000	0.000	5			0.000	0.000	0.000	0.000	0.000	0.000
Bi		6	0.002	0.005	326			-0.005	0.001	0.003	0.010	0.006	-0.003
Ca		6	0.013	0.006	44			0.020	0.021	0.009	0.013	0.009	0.008
Cd		6	0.001	0.001	47			0.001	0.001	0.002	0.001	0.001	0.001
Ce	2.000	6	1.960	0.022	1	-0.040	-2.0	1.950	1.941	1.991	1.934	1.978	1.966
Co		6	0.003	0.001	33			0.004	0.004	0.002	0.004	0.002	0.003
Cr		6	0.003	0.001	44			0.005	0.004	0.002	0.003	0.002	0.002
Cu		6	0.005	0.011	212			0.015	-0.003	0.018	0.014	-0.004	-0.007
Dy	2.000	6	1.954	0.039	2	-0.046	-2.3	1.935	1.909	1.999	1.918	1.968	1.977
Eu	2.000	6	1.941	0.037	2	-0.059	-2.9	1.922	1.898	1.986	1.908	1.971	1.964
Fe		6	0.006	0.003	54			0.006	0.013	0.004	0.006	0.005	0.003
K		6	0.304	0.526	173			0.442	1.013	0.156	0.709	-0.065	-0.429
La	2.000	6	1.943	0.029	1	-0.057	-2.8	1.927	1.916	1.979	1.910	1.967	1.959
Li		6	0.002	0.003	130			0.004	0.006	-0.001	0.003	0.001	0.000
Mg		6	0.084	0.005	6			0.083	0.090	0.082	0.090	0.077	0.083
Mn		6	0.001	0.000	37			0.001	0.001	0.000	0.001	0.000	0.000
Mo		6	0.000	0.001	348			0.002	0.002	-0.001	0.001	0.000	-0.002
Na		6	0.019	0.016	83			0.012	0.028	0.002	0.045	0.016	0.010
Nd	2.000	6	1.943	0.029	1	-0.057	-2.8	1.928	1.910	1.980	1.916	1.966	1.959
Ni		6	0.011	0.005	43			0.009	0.020	0.009	0.009	0.011	0.007
P		6	0.001	0.014	1118			-0.011	0.015	-0.008	0.022	-0.005	-0.006
Pb		6	0.050	0.008	16			0.054	0.056	0.039	0.060	0.050	0.042
Pd	2.000	6	2.134	0.104	5	0.134	6.7	1.981	2.028	2.212	2.158	2.223	2.201
Rh	2.000	6	2.005	0.041	2	0.005	0.3	1.964	1.950	2.046	1.998	2.045	2.030
Sb		6	0.005	0.011	224			0.016	0.018	-0.009	0.006	-0.002	-0.001
Se		6	0.010	0.011	107			0.015	0.029	-0.003	0.012	0.003	0.007
Si		6	0.084	0.023	27			0.093	0.060	0.112	0.107	0.066	0.065
Sn	2.000	6	2.031	0.022	1	0.031	1.6	2.063	2.050	2.028	2.030	2.012	2.005
Sr		6	0.001	0.000	39			0.001	0.001	0.000	0.000	0.001	0.001
Ta	2.000	6	1.791	0.019	1	-0.209	-10.4	1.801	1.777	1.818	1.764	1.793	1.795
Th	5.000	6	4.953	0.070	1	-0.047	-0.9	4.917	4.878	5.051	4.885	4.992	4.994
Ti		6	0.001	0.001	80			0.002	0.002	0.000	0.001	0.000	0.000
Tl		6	-0.001	0.009	-1173			0.003	0.010	0.002	-0.001	-0.003	-0.017
U	10.000	6	8.398	0.164	2	-1.602	-16.0	8.676	8.493	8.369	8.347	8.286	8.218
V		6	-0.001	0.001	-117			0.000	0.000	-0.002	0.000	-0.002	-0.002
W	2.000	6	0.502	0.012	2	-1.498		0.495	0.491	0.509	0.503	0.492	0.521
Y	1.000	6	0.956	0.015	2	-0.044	-4.4	0.958	0.936	0.977	0.942	0.962	0.960
Zn		6	0.002	0.001	33			0.002	0.001	0.002	0.002	0.002	0.001
Zr		6	-0.011	0.010	-84			0.001	0.001	-0.017	-0.018	-0.016	-0.019
TIME		6	10000.000	0.000	0			10000.000	#######	#######	#######	#######	#######

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

Statistical Summary for 'SRM-1643c 103668'

								SRM-1643c 103668	-1643c 10	-1643c 10	-1643c 103668
								95D256A	95D256A	95D256A	95D256A
								9/13/95	9/13/95	9/13/95	9/13/95
								10:16	13:19	15:17	17:39
(NIST:SRM1643c)								CONC	CONC	CONC	CONC
	TRUE	N	Average	S.Dev	%RSD	Bias	Bias	2971	3016	3061	3106
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
Ag	0.002	4	0.001	0.004	450	-0.001	-58.3	0.001	0.006	-0.002	-0.002
Al	0.115	4	0.108	0.012	11	-0.007	-6.0	0.107	0.125	0.100	0.099
As	0.082	4	0.078	0.006	8	-0.004	-4.8	0.080	0.087	0.075	0.072
B	0.119	4	0.117	0.004	3	-0.002	-1.9	0.119	0.111	0.120	0.117
Ba	0.050	4	0.049	0.001	2	-0.001	-2.2	0.049	0.047	0.049	0.049
Be	0.023	4	0.022	0.001	3	-0.001	-5.6	0.022	0.021	0.022	0.022
Bi		4	0.011	0.004	38			0.007	0.010	0.017	0.010
Ca	36.800	4	34.977	0.587	2	-1.823	-5.0	35.432	34.115	35.173	35.190
Cd	0.012	4	0.013	0.000	3	0.000	2.7	0.012	0.013	0.013	0.012
Ce		4	-0.005	0.021	-426			-0.008	0.026	-0.020	-0.018
Co	0.024	4	0.024	0.003	12	0.000	2.1	0.024	0.028	0.022	0.022
Cr	0.019	4	0.022	0.001	3	0.003	14.3	0.022	0.023	0.021	0.021
Cu	0.022	4	0.024	0.003	11	0.002	7.2	0.026	0.024	0.026	0.020
Dy		4	0.000	0.004	-883			-0.001	0.005	-0.003	-0.003
Eu		4	0.001	0.001	95			0.001	0.002	0.000	0.000
Fe	0.107	4	0.117	0.001	1	0.010	9.8	0.119	0.118	0.117	0.116
K	2.300	4	1.990	0.337	17	-0.310	-13.5	2.115	2.332	1.977	1.535
La		4	0.006	0.005	85			0.005	0.014	0.002	0.003
Li	0.017	4	0.013	0.003	20	-0.003	-19.8	0.013	0.017	0.011	0.012
Mg	9.450	4	9.704	0.198	2	0.254	2.7	9.884	9.422	9.755	9.755
Mn	0.035	4	0.035	0.001	2	0.000	-1.1	0.035	0.034	0.035	0.035
Mo	0.104	4	0.103	0.003	2	-0.001	-1.4	0.106	0.104	0.101	0.100
Na	12.190	4	11.537	0.664	6	-0.653	-5.4	11.384	10.664	12.121	11.980
Nd		4	0.011	0.020	183			0.010	0.040	-0.004	-0.001
Ni	0.061	4	0.062	0.003	5	0.001	2.0	0.064	0.065	0.059	0.059
P		4	0.023	0.018	79			0.022	0.049	0.008	0.013
Pb	0.035	4	0.036	0.015	43	0.001	2.5	0.038	0.057	0.028	0.023
Pd		4	0.006	0.068	1201			0.006	0.100	-0.045	-0.041
Rh		4	-0.001	0.029	-5721			-0.002	0.040	-0.021	-0.020
Sb		4	-0.004	0.014	-317			0.003	0.012	-0.016	-0.016
Se	0.013	4	0.012	0.015	125	-0.001	-6.0	0.011	0.033	0.000	0.004
Si		4	0.043	0.015	35			0.053	0.034	0.058	0.026
Sn		4	-0.025	0.097	-389			-0.005	0.105	-0.099	-0.100
Sr	0.264	4	0.260	0.010	4	-0.004	-1.5	0.262	0.247	0.260	0.270
Te		4	-0.001	0.013	-1352			0.000	0.016	-0.015	-0.005
Th		4	-0.008	0.003	-33			-0.011	-0.008	-0.008	-0.005
Ti		4	0.008	0.001	16			0.008	0.010	0.007	0.007
Tl	0.008	4	0.009	0.014	159	0.001	12.7	0.012	0.028	-0.003	-0.001
U		4	0.186	0.353	190			0.226	0.670	-0.084	-0.068
V	0.031	4	0.028	0.002	7	-0.004	-12.0	0.028	0.030	0.026	0.027
W		4	0.010	0.004	47			0.012	0.015	0.006	0.006
Y		4	-0.002	0.001	-92			-0.001	0.000	-0.003	-0.003
Zn	0.074	4	0.086	0.001	1	0.012	15.8	0.087	0.085	0.085	0.088
Zr		4	0.000	0.003	-650			0.000	0.004	-0.002	-0.002
TIME		4	10000.000	0.000	0			10000.000	#######	#######	#######

3-298

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

Statistical Summary for 'STD1-Blank 108444'

(STD1-Blank)	TRUE	N	Average	S.Dev	%RSD	Bias	Bias
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)
Ag		11	0.001	0.002	331		
Al		11	0.007	0.010	138		
As		11	-0.004	0.007	-183		
B		11	0.006	0.005	94		
Ba		11	0.000	0.000	147		
Be		11	0.000	0.000	92		
Bi		11	-0.001	0.007	-1062		
Ca		11	0.001	0.004	417		
Cd		11	0.000	0.001	-202		
Ce		11	0.001	0.013	1608		
Co		11	0.001	0.001	115		
Cr		11	0.001	0.001	134		
Cu		11	0.005	0.004	80		
Dy		11	0.001	0.002	299		
Eu		11	0.000	0.001	300		
Fe		11	0.001	0.002	169		
K		11	0.003	0.496	19851		
La		11	0.001	0.003	258		
Li		11	0.001	0.002	186		
Mg		11	0.006	0.007	110		
Mn		11	0.000	0.000	189		
Mo		11	0.001	0.001	247		
Na		11	0.015	0.021	143		
Nd		11	0.006	0.011	189		
Ni		11	0.003	0.004	133		
P		11	0.008	0.010	132		
Pb		11	0.005	0.011	213		
Pd		11	0.023	0.035	148		
Rh		11	0.006	0.016	253		
Sb		11	0.002	0.008	487		
Se		11	0.000	0.010	-5223		
Si		11	0.062	0.125	202		
Sn		11	0.017	0.046	264		
Sr		11	0.001	0.000	35		
Te		11	0.001	0.006	605		
Th		11	-0.001	0.004	-572		
Ti		11	0.000	0.001	304		
Tl		11	-0.005	0.005	-106		
U		11	0.040	0.189	479		
V		11	0.000	0.001	402		
W		11	0.005	0.004	78		
Y		11	0.000	0.001	434		
Zn		11	0.000	0.000	-1492		
Zr		11	0.000	0.002	366		
TIME		11	10000.000	0.000	0		

STD1-Blank 108444	-Blank 1	-Blank 1	-Blank 1	-Blank 1	-Blank 1	-Blank 1	-Blank 1	-Blank 1	-Blank 1	-Blank 1
95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A
9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95
10:01	10:26	11:31	12:00	12:42	13:27	15:01	15:25	16:13	16:58	17:46
CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC
3691	3736	3781	3826	3871	3916	3961	4006	4051	4096	4141
(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
0.002	0.002	0.002	-0.001	0.001	0.004	0.003	0.000	-0.001	-0.002	-0.003
0.003	0.006	0.018	-0.004	0.024	0.014	0.014	0.005	0.009	-0.002	-0.009
-0.003	-0.001	-0.007	0.001	0.002	0.007	0.003	-0.008	-0.013	-0.009	-0.014
0.007	0.007	0.002	0.002	0.001	0.004	0.020	0.007	0.004	0.005	0.003
0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.002	-0.004	-0.004	-0.006	-0.009	0.001	0.016	0.001	-0.002	0.002	-0.005
-0.004	-0.002	-0.001	-0.004	-0.001	0.007	0.007	0.002	0.001	0.001	0.005
0.000	-0.001	0.001	0.000	0.000	-0.001	0.001	-0.001	0.000	-0.001	-0.001
0.004	0.003	0.010	-0.010	0.004	0.017	0.022	0.002	-0.008	-0.019	-0.017
0.001	0.002	0.002	0.000	0.001	0.003	0.003	0.001	0.001	-0.001	0.000
0.000	0.002	0.000	0.001	0.001	0.002	0.001	0.000	0.000	0.000	0.000
0.009	0.007	0.002	0.002	0.001	0.005	0.013	0.007	0.004	0.002	0.001
0.000	0.001	0.002	-0.001	0.001	0.004	0.003	0.000	0.000	-0.002	-0.002
0.000	0.001	0.001	0.000	0.000	0.001	0.001	0.000	0.000	-0.001	-0.001
0.000	0.001	0.003	0.000	0.005	0.002	0.002	0.000	0.001	-0.001	-0.002
0.153	0.124	0.448	-0.636	0.630	-0.112	0.611	0.150	0.059	-0.572	-0.826
0.001	0.002	0.002	-0.001	0.003	0.006	0.006	0.001	0.000	-0.004	-0.003
0.002	0.003	0.003	0.001	0.002	0.004	0.001	-0.001	0.000	-0.002	-0.002
0.005	0.004	0.010	-0.001	0.004	0.017	0.021	0.006	0.002	0.002	0.000
0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000
-0.001	0.003	0.002	0.000	0.001	0.003	0.001	0.001	-0.001	-0.001	-0.001
0.017	0.022	0.032	-0.001	0.010	0.053	0.042	0.009	0.006	-0.012	-0.015
0.009	0.012	0.014	-0.001	0.005	0.021	0.022	0.006	0.001	-0.012	-0.011
0.000	0.001	0.006	-0.002	0.012	0.003	0.004	0.001	0.003	0.003	0.001
-0.003	0.005	0.004	0.009	-0.006	0.017	0.018	0.009	0.028	-0.001	0.003
0.003	0.009	0.011	-0.008	0.005	0.011	0.028	0.008	0.003	-0.006	-0.008
0.033	0.040	0.044	0.005	0.032	0.073	0.065	0.026	0.005	-0.034	-0.031
0.007	0.017	0.022	-0.004	0.013	0.028	0.026	0.004	-0.004	-0.020	-0.018
0.009	0.006	0.010	0.001	0.002	0.009	0.010	-0.008	-0.009	-0.003	-0.010
0.004	0.010	0.012	0.004	-0.003	0.016	-0.003	-0.004	-0.014	-0.015	-0.011
0.097	0.018	0.005	-0.005	0.000	0.005	0.425	0.027	0.082	0.020	0.005
0.033	0.045	0.055	-0.003	0.017	0.077	0.078	0.011	-0.017	-0.055	-0.051
0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.001	0.001
0.005	0.007	0.007	-0.002	0.002	0.008	0.014	0.001	-0.005	-0.008	-0.015
-0.001	-0.001	0.000	-0.006	-0.002	-0.001	0.007	-0.007	0.001	0.003	0.000
0.000	0.001	0.001	0.000	0.000	0.001	0.001	0.000	0.000	-0.001	-0.001
-0.012	-0.002	0.000	-0.008	-0.003	0.004	-0.009	0.000	-0.006	-0.011	-0.006
0.098	0.135	0.163	-0.082	0.078	0.316	0.252	0.043	-0.038	-0.296	-0.233
0.001	0.001	0.001	-0.001	0.000	0.002	0.002	0.000	0.000	-0.001	-0.002
0.007	0.009	0.005	0.003	0.002	0.014	0.010	0.002	0.004	0.001	0.001
0.000	0.001	0.001	0.000	0.000	0.001	0.001	0.000	0.000	-0.001	-0.001
-0.001	0.000	0.000	0.000	-0.001	0.001	0.000	0.001	0.000	0.000	0.000
0.000	0.001	0.002	-0.001	0.003	0.002	0.001	0.000	0.000	-0.002	-0.002
10000.000	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######

BEST COPY AVAILABLE

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

3-299

Statistical Summary for 'SST-ICS-2 9509081102'

(Interference Check Std - KOH/Ni Fusion)

	TRUE	N	Average	S.Dev	%RSD	Bias	Bias
	(ug/mL)		(ug/mL)	(ug/mL)	(%)	(ug/mL)	(%)
Ag		8	0.006	0.003	55		
Al	100.0	8	91.402	1.894	2	-8.598	-8.6
As		8	0.167	0.011	7		
B		8	0.012	0.004	33		
Ba		8	0.003	0.001	22		
Be		8	0.001	0.000	11		
Bi		8	0.092	0.012	13		
Ca		8	0.064	0.005	8		
Cd		8	0.010	0.001	7		
Ce		8	-0.060	0.027	-45		
Co		8	0.016	0.002	16		
Cr		8	0.040	0.003	6		
Cu		8	-0.041	0.006	-14		
Dy		8	0.007	0.003	41		
Eu		8	0.004	0.001	23		
Fe	20.0	8	18.365	0.264	1	-1.635	-8.2
K		8	4092.295	104.430	3		
La		8	0.019	0.004	22		
Li		8	0.011	0.002	23		
Mg		8	0.313	0.020	6		
Mn		8	0.003	0.001	15		
Mo		8	0.017	0.002	10		
Na		8	0.345	0.028	8		
Nd		8	0.040	0.016	39		
Ni	50.0	8	48.187	0.662	1	-1.813	-3.6
P		8	0.118	0.019	16		
Pb		8	0.273	0.017	6		
Pd		8	-0.165	0.051	-31		
Rh		8	0.061	0.023	37		
Sb		8	0.052	0.009	17		
Se		8	0.088	0.014	16		
Si		8	0.147	0.079	54		
Sn		8	0.380	0.078	20		
Sr		8	0.001	0.000	30		
Te		8	0.064	0.013	21		
Th		8	0.660	0.040	6		
Ti		8	0.006	0.001	21		
Tl		8	0.247	0.008	3		
U	50.0	8	45.363	0.961	2	-4.637	-9.3
V		8	0.012	0.002	20		
W		8	0.078	0.012	15		
Y		8	0.007	0.001	13		
Zn		8	-0.025	0.003	-11		
Zr	10.0	8	9.406	0.168	2	-0.594	-5.9
TIME		8	10000.000	0.000	0		

SST-ICS-2 9509081102	S-2 9509	S-2 9509	S-2 9509	S-2 9509	S-2 9509	S-2 9509	S-2 9509081102
95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A	95D256A
9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95	9/13/95
10:10	11:25	12:38	13:11	15:07	16:09	16:54	17:27
CONC	CONC	CONC	CONC	CONC	CONC	CONC	CONC
3331	3376	3421	3466	3511	3556	3601	3646
(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)	(ug/mL)
0.006	0.006	0.002	0.007	0.005	0.012	0.002	0.006
90.784	90.149	92.622	89.783	91.442	89.689	95.416	91.327
0.166	0.156	0.165	0.171	0.163	0.192	0.159	0.163
0.014	0.009	0.006	0.009	0.017	0.016	0.011	0.011
0.003	0.003	0.002	0.003	0.002	0.004	0.002	0.003
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.085	0.090	0.076	0.091	0.085	0.115	0.091	0.104
0.066	0.068	0.064	0.068	0.057	0.072	0.058	0.062
0.010	0.011	0.010	0.010	0.009	0.011	0.010	0.010
-0.048	-0.030	-0.085	-0.056	-0.071	-0.025	-0.105	-0.064
0.016	0.016	0.014	0.016	0.014	0.021	0.013	0.016
0.036	0.037	0.038	0.041	0.040	0.043	0.042	0.040
-0.034	-0.042	-0.047	-0.042	-0.037	-0.034	-0.049	-0.042
0.007	0.007	0.004	0.008	0.005	0.012	0.003	0.008
0.003	0.004	0.003	0.004	0.003	0.005	0.002	0.004
18.409	18.293	18.603	18.232	18.128	18.143	18.893	18.216
4093.364	4025.640	4134.831	3949.663	4159.108	3999.317	4283.692	4093.745
0.020	0.020	0.015	0.021	0.016	0.025	0.012	0.019
0.011	0.013	0.010	0.013	0.007	0.014	0.007	0.011
0.306	0.323	0.312	0.334	0.286	0.345	0.294	0.307
0.004	0.004	0.003	0.004	0.003	0.004	0.003	0.003
0.018	0.017	0.016	0.018	0.015	0.020	0.014	0.017
0.329	0.350	0.330	0.358	0.334	0.400	0.306	0.355
0.041	0.045	0.022	0.045	0.036	0.068	0.018	0.045
48.126	47.939	48.713	48.057	47.284	47.821	49.506	48.849
0.116	0.127	0.095	0.112	0.132	0.148	0.090	0.127
0.280	0.279	0.250	0.277	0.268	0.304	0.253	0.272
-0.131	-0.149	-0.210	-0.144	-0.170	-0.086	-0.252	-0.179
0.057	0.066	0.038	0.070	0.051	0.107	0.034	0.066
0.053	0.057	0.041	0.055	0.045	0.066	0.041	0.056
0.091	0.099	0.074	0.095	0.064	0.106	0.080	0.092
0.150	0.102	0.089	0.100	0.190	0.326	0.104	0.117
0.403	0.400	0.268	0.404	0.346	0.517	0.295	0.409
0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001
0.068	0.066	0.054	0.066	0.053	0.092	0.050	0.063
0.603	0.633	0.627	0.637	0.669	0.700	0.710	0.700
0.006	0.006	0.005	0.007	0.005	0.007	0.004	0.005
0.249	0.248	0.245	0.248	0.232	0.262	0.249	0.243
44.813	44.592	45.484	44.367	45.569	44.980	47.431	45.669
0.012	0.013	0.010	0.013	0.011	0.017	0.010	0.013
0.073	0.069	0.065	0.072	0.085	0.099	0.072	0.087
0.007	0.007	0.006	0.007	0.007	0.009	0.006	0.007
-0.021	-0.022	-0.024	-0.024	-0.028	-0.025	-0.029	-0.027
9.397	9.340	9.559	9.328	9.312	9.225	9.749	9.340
10000.000	#######	#######	#######	#######	#######	#######	#######

BEST COPY AVAILABLE

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

3-300

Statistical Summary for 'SRM-2709-H @2'
(LCSS - KOH/Ni Fusion)

	TRUE (ug/g)	N	Average (ug/g)	S.Dev (ug/g)	%RSD (%)	Bias (ug/g)	Bias (%)	SRM-2709-H @2	-2709-H @2
								95D256A	95D256A
								9/13/95	9/13/95
								13:03	17:19
								CONC	CONC
								3241	3286
								(ug/g)	(ug/g)
Ag		2	21.0	29.7	141			-	[41.94]
Al	75000	2	63207.5	1995.3	3	-11792	-15.7	64618.37	61796.65
As	18	2	211.2	25.1	12	194	1093.2	[193.42]	[228.98]
B		2	628.6	185.1	29			497.72	759.52
Ba	968	2	780.8	33.0	4	-187	-19.3	804.14	757.42
Be		2	-	0.0	#####			-	-
Bi		2	-	0.0	#####			-	-
Ca	18900	2	17386.5	975.3	6	-1513	-8.0	18076.19	16696.87
Cd	0.4	2	-	0.0	#####	0	-100.0	-	-
Ce		2	135.9	192.2	141			-	[271.87]
Co	13	2	119.8	8.6	7	108	793.9	[113.79]	[125.85]
Cr	130	2	180.5	1.4	1	50	38.8	[181.47]	[179.48]
Cu	35	2	162.3	8.5	5	128	369.0	[156.27]	[168.27]
Dy	3.5	2	-	0.0	#####	-4	-100.0	-	-
Eu	0.9	2	-	0.0	#####	-1	-100.0	-	-
Fe	35000	2	31104.0	991.3	3	-3896	-11.1	31804.96	30403.03
K	20300	2	9409114	285531	3	9388814	46250.3	9611015	9207214
La	23	2	-	0.0	#####	-23	-100.0	-	-
Li		2	31.5	44.5	141			-	[62.93]
Mg	15100	2	13391.9	324.3	2	-1708	-11.3	13621.19	13162.60
Mn	538	2	1285.2	22.5	2	747	138.9	1301.09	1269.28
Mo	2.0	2	-	0.0	#####	-2	-100.0	-	-
Na	11600	2	12880.8	360.3	3	1281	11.0	13135.54	12625.99
Nd	19	2	198.6	64.2	32	180	945.4	[153.27]	[244.84]
Ni	88	2	18037.7	488.4	3	17950	20397.3	18383.81	17692.31
P	620	2	861.5	88.3	10	242	39.0	[799.09]	[923.92]
Pb	19	2	532.7	75.7	14	514	2718.5	[479.19]	[586.20]
Pd		2	332.3	470.0	141			-	[864.66]
Rh		2	-	0.0	#####			-	-
Sb	7.9	2	185.2	33.9	18	177	2243.8	[161.29]	[209.10]
Se	1.6	2	225.1	18.1	8	224	14240.5	[212.37]	[237.97]
Si	296600	2	261979	5785.1	2	-34621	-11.7	266069.30	257867.97
Sn		2	-	0.0	#####			-	-
Sr	231	2	203.8	2.1	1	-27	-11.8	205.25	202.28
Te		2	-	0.0	#####			-	-
Th	11	2	-	0.0	#####	-11	-100.0	-	-
Ti	3420	2	2665.0	92.8	3	-755	-22.1	2730.60	2599.39
Tl	1	2	-	0.0	#####	-1	-100.0	-	-
U	3	2	-	0.0	#####	-3	-100.0	-	-
V	112	2	120.8	7.2	6	9	7.9	[115.70]	[125.93]
W	2	2	-	0.0	#####	-2	-100.0	-	-
Y	18	2	25.5	3.9	15	7	41.4	[22.72]	[28.19]
Zn	106	2	193.5	18.6	10	88	82.8	[206.70]	[180.38]
Zr	160	2	99.6	4.7	5	-60	-37.8	[96.23]	[102.89]
TIME	10000	0	#DIV/0!	#DIV/0!	#####	#DIV/0!	#DIV/0!		

3-301

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

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

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

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	M	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1		✓	✓							Cu Profile 950814I101		K. Silvers	K28866	95D256A	ICP1	9/13/95 DKA
	1	✓	✓		✓		✓				SPC-Blank 108444						
	1	✓	✓		✓						SPC-STD 950831I101						
	1	✓				✓	✓				STD1-Blank 108444						
	1	✓				✓					" 2 950830I102						
	1	✓				✓					" 3 3						
	1	✓				✓					" 4 4						
	1	✓				✓					" 5 5						
	1	✓				✓					" 6 6						
	11	✓				✓					" 7 7						
	11	✓				✓					" 8 8						
	11	✓				✓					" 9 9						
	11	✓					✓				" 1-Blank 108444						
	11	✓							✓	PASS	MCVA 950728I901						
	11	✓							✓		SGT-ICS-2 950908I102						
	11	✓							✓	PASS ⊗	MCVB 950711H901						
	11	✓							✓		SRM-1643c 103668						
	11	✓						✓			CCV1 950713H901						
	11	✓					✓				STD1-Blank 108444						
	11	✓								95-007941-HCB	Method Blank (Kull/Nitrosion)	2X					
	11	✓								95-007941-H1T	Segment 1 Top "	10X					
	11	✓								95-007941-H1T	" " " "	5X					
	11	✓								95-007941-H1T-PS	" " " Post Digest Spike "	5X					
	11	✓								95-007941-H1T	" " " "	2X					
	11	✓								95-007941-H2T	" " " Duplicate "	10X					

[SP] System Performance [S]tandardization or calibration

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

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

Initial or Continuing Calibration [B]lank

[X] A solid vertical line denotes contiguous data.

M&TE#WD00560

Initial or Continuing Calibration [V]erification Standard

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

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

⊗ Pd, Te, U, W N/A for QC. on MCVB.
DKB 9/13/95

Battelle PNL/ACL/Inorganic Analysis Group

Note: Blank spaces or lines are permitted.

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

[X]		Mode C	Mode I	Calibration/QC Check P	SP	S	B	V	N	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1	✓								95-007941-H2T	Segment 1 TOP Duplicate (Koll/Ni Fusion)	2X	K. Silvers	K28866	95D256A	ICP1	9/18/95 DW
	1	✓								95-007942-H3	Method Blank "	2X					
	1	✓							✓	PASS	MCVA 950728I901						
	1	✓							✓		SST-ICS-2 950908I102						
	1	✓					✓				STD1-Blank 108444						
	1	✓								48.0	I.V. 4 @ 500 ppm 950913I902	10X					
	1	✓								470	" " "						
	1	✓								47.5	H.P. " " 950913H901	10X					
	1	✓								470	" " " "						
	"	✓								477	Std 6 for 4 950830I106						
	"	✓							✓		MCVA 950728I901						
	"	✓					✓				STD1-Blank 108444						
	"	✓								95-007942-H1	Qtr Seg 2A (Koll/Ni Fusion)	10X					
	"	✓								95-007942-H1	" " " "	2X					
	"	✓								95-007942-H2	" " " Duplicate "	10X					
	"	✓								95-007942-H2	" " " " "	2X					
	"	✓								95-007943-H1	" " 2D "	10X					
	"	✓								95-007943-H1	" " " "	2X					
	"	✓								95-007943-H2	" " " Duplicate "	10X					
	"	✓								95-007943 H2	" " " " "	2X					
	"	✓							✓	PASS	MCVA 950728I901						
	"	✓							✓		SST-ICS-2 950908I102						
	"	✓					✓				STD1-Blank 108444						
	"	✓								95-007944-H1	Qtr Seg 3A (Koll/Ni Fusion)	10X					
	"	✓								95-007944-H1	" " " "	2X					

[SP] System Performance [S]tandardization or calibration

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

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

Initial or Continuing Calibration [B]lank

[X] A solid vertical line denotes contiguous data.

M&TE # WD00580

Initial or Continuing Calibration [V]erification Standard

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

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

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	P	SP	S	B	V	M	ALO Log #	Sample Identification	ADF	Client Name	Client WO#	Data File Name	ICP Method	Date/ Analyst
	1	✓								95-007944-H2	Qtr Seg 3A Duplicate (KOH Ni fusion)	10X	K. Silvers	K29466	95D256A	ICP1	9/13/95 AM
	2	✓								95-007944-H2	" " " " "	2X					
	3	✓									SRM-2709-H "	10X					
	4	✓									" " " "	2X					
	5	✓							✓	PASS	MCVA 950728I901						
	6	✓							✓		SST-ICS-2 950908I102						
	7	✓							✓	PASS ⊗	MCVB 950911H901						
	8	✓							✓		SRM-1643c 103668						
	9	✓						✓			CCV1 950713H901						
	10	✓					✓				STD1-Blank						
	11	✓				✓	✓				STD1-Blank 108444						
	12	✓				✓					" 2 950830I102						
	13	✓				✓					" 3 3						
	14	✓				✓					" 4 4						
	15	✓				✓					" 5 5						
	16	✓				✓					" 6 6						
	17	✓				✓					" 7 7						
	18	✓				✓					" 8 8						
	19	✓				✓					" 9 9						
	20	✓					✓				" 1-Blank 108444						
	21	✓							✓		MCVA 950728I901						
	22	✓							✓		SST-ICS-2 950908I102						
	23	✓							✓	Fail-Pd Hi	MCVB 950711H901						
	24	✓							✓	PASS ⊗	MCVB 950911H901						
	25	✓									SRM-1643c 103668						

[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.

MATE#WD00560

Initial or Continuing Calibration [V]erification Standard

ADF = Analytical Dilution Factor (other than 1x)

file: C:\OFFICE\PROGRAMS\VIUM\LOG1.TXT (04-02-93)

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

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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
	✓							✓			CCVI 950713H901		K. Silvers	K28866	95D256A	ECPI	9/13/95 AM
	✓						✓				STD1-Blank 108444						
	✓									95-007945-H3	Method Blank (KOH/Ni Fusion)	2X					
	✓									95-007945-H1	Segment 1 "	100					
	✓									95-007945-H1	" " "	5X					
	✓									95-007945-H1-PS	" " Post Digest Spike "	5X					
	✓									95-007945-H1	" " "	2X					
	✓									95-007945-H2	" " Duplicate "	10X					
	✓									95-007945-H2	" " " "	2X					
	✓									95-007946-HCB	Method Blank "	2X					
	✓								✓	Fail-Low	MCVA 950728I901						
	✓								✓	PASS	MCVA 950728I901						
	✓								✓		SST-ICS-2 950908I102						
	✓						✓				STD1-Blank 108444						
	✓									95-007946-H1T	Qtr Seg 4B Top (KOH/Ni Fusion)	10X					
	✓									95-007946-H1T	" " " " "	2X					
	✓									95-007946-H2T	" " " " Duplicate "	10X					
	✓									95-007946-H2T	" " " " " "	2X					
	✓									95-007947-H1	" " 4C "	10X					
	✓									95-007947-H1	" " " "	2X					
	✓									95-007947-H2	" " " Duplicate "	10X					
	✓									95-007947-H2	" " " " "	2X					
	✓								✓	PASS	MCVA 950728I901						
	✓								✓		SST-ICS-2 950908I102						
	✓						✓				STD1-Blank 108444						

[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 (04-02-93)

Battelle PNL/ACL/Inorganic Analysis Group

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

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	✓								95-007948-H1	Qtr Seg 4D (Koll/Ni Fusion)	10x	K. Silvers	K28866	950256A	ICP1	9/13/95 DAS
	2	✓								95-007948-H1	" " " "	2x					
	3	✓								95-007948-H2	" " " Duplicate "	10x					
	4	✓								95-007948-H2	" " " " "	2x					
	5	✓									SRM-2709-H	10x					
	6	✓									" " "	2x					
	7	✓							✓	PASS	MCVA 950729I901						
	8	✓							✓		SST-ICS-2 950908I102						
	9	✓							✓	~~R~~ Fail-Pd Hi	MCVB 950911H901						
	10	✓							✓	Pd-N/A PASSED	MCVB 950911H901						
	11	✓							✓		SRM-1643c 103668						
	12	✓						✓			CCV1 950713H901						
	13	✓					✓				STD 1-Blank 108444						
	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]rofile (2 ppm Cu)
*Mode (C or I)= [C]oncentration, [I]ntensity

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

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

Analysis Report Summary Wed 09-13-95 05:58:45 PM page 1

ICP-326-403-1
9:0256A
9/13/95 RWO

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	SPC-BLK 108444	95D256A	ICP1	09/13/95	09:04	DRS	S	INT
2	SPC-BLK 108444	95D256A	ICP1	09/13/95	09:04	DRS	S	CONC
3	SPC-STD 950831I101	95D256A	ICP1	09/13/95	09:07	DRS	S	INT
4	SPC-STD 950831I101	95D256A	ICP1	09/13/95	09:07	DRS	S	CONC
5	STD1-Blank	95D256A	ICP1	09/13/95	09:20		X	IR
6	STD2	95D256A	ICP1	09/13/95	09:22		X	IR
7	STD3	95D256A	ICP1	09/13/95	09:26		X	IR
8	STD4	95D256A	ICP1	09/13/95	09:30		X	IR
9	STD5	95D256A	ICP1	09/13/95	09:34		X	IR
10	STD6	95D256A	ICP1	09/13/95	09:38		X	IR
11	STD7	95D256A	ICP1	09/13/95	09:42		X	IR
12	STD8	95D256A	ICP1	09/13/95	09:46		X	IR
13	STD9	95D256A	ICP1	09/13/95	09:50		X	IR
14	STD1-Blank 108444	95D256A	ICP1	09/13/95	10:01	DRS	S	CONC
15	MCVA 950728I901	95D256A	ICP1	09/13/95	10:06	DRS	Q	CONC
16	SST-ICS-2 950908I102	95D256A	ICP1	09/13/95	10:10	DRS	S	CONC
17	MCVB 950911H901	95D256A	ICP1	09/13/95	10:14	DRS	Q	CONC
18	SRM-1643c 103668	95D256A	ICP1	09/13/95	10:18	DRS	Q	CONC
19	CCV1 950713H901	95D256A	ICP1	09/13/95	10:22	DRS	S	CONC
20	STD1-Blank 108444	95D256A	ICP1	09/13/95	10:26	DRS	S	CONC
21	95-007941-HCB @2	95D256A	ICP1	09/13/95	10:45	DRS	S	CONC
22	95-007941-H1T @10	95D256A	ICP1	09/13/95	10:52	DRS	S	CONC
23	95-007941-H1T @5	95D256A	ICP1	09/13/95	10:56	DRS	S	CONC
24	95-007941-H1T-PS @5	95D256A	ICP1	09/13/95	11:00	DRS	S	CONC
25	95-007941-H1T @2	95D256A	ICP1	09/13/95	11:04	DRS	S	CONC
26	95-007941-H2T @10	95D256A	ICP1	09/13/95	11:08	DRS	S	CONC
27	95-007941-H2T @2	95D256A	ICP1	09/13/95	11:12	DRS	S	CONC
28	95-007942-H3 @2	95D256A	ICP1	09/13/95	11:17	DRS	S	CONC
29	MCVA 950728I901	95D256A	ICP1	09/13/95	11:21	DRS	Q	CONC
30	SST-ICS-2 950908I102	95D256A	ICP1	09/13/95	11:25	DRS	S	CONC
31	STD1-Blank 108444	95D256A	ICP1	09/13/95	11:31	DRS	S	CONC
32	I.V. U @500 PPM @10	95D256A	ICP1	09/13/95	11:35	DRS	S	CONC
33	I.V. U @500 PPM	95D256A	ICP1	09/13/95	11:39	DRS	S	CONC
34	H.P. U @500 PPM @10	95D256A	ICP1	09/13/95	11:43	DRS	S	CONC
35	H.P. U @500 PPM	95D256A	ICP1	09/13/95	11:47	DRS	S	CONC
36	STD6 950830I106	95D256A	ICP1	09/13/95	11:52	DRS	S	CONC
37	MCVA 950728I901	95D256A	ICP1	09/13/95	11:56	DRS	Q	CONC
38	STD1-Blank 108444	95D256A	ICP1	09/13/95	12:00	DRS	S	CONC
39	95-007942-H1 @10	95D256A	ICP1	09/13/95	12:02	DRS	S	CONC
40	95-007942-H1 @2	95D256A	ICP1	09/13/95	12:05	DRS	S	CONC
41	95-007942-H2 @10	95D256A	ICP1	09/13/95	12:09	DRS	S	CONC
42	95-007942-H2 @2	95D256A	ICP1	09/13/95	12:13	DRS	S	CONC
43	95-007943-H1 @10	95D256A	ICP1	09/13/95	12:17	DRS	S	CONC
44	95-007943-H1 @2	95D256A	ICP1	09/13/95	12:21	DRS	S	CONC
45	95-007943-H2 @10	95D256A	ICP1	09/13/95	12:25	DRS	S	CONC
46	95-007943-H2 @2	95D256A	ICP1	09/13/95	12:29	DRS	S	CONC
47	MCVA 950728I901	95D256A	ICP1	09/13/95	12:34	DRS	Q	CONC
48	SST-ICS-2 950908I102	95D256A	ICP1	09/13/95	12:38	DRS	S	CONC
49	STD1-Blank 108444	95D256A	ICP1	09/13/95	12:42	DRS	S	CONC
50	95-007944-H1 @10	95D256A	ICP1	09/13/95	12:44	DRS	S	CONC
51	95-007944-H1 @2	95D256A	ICP1	09/13/95	12:48	DRS	S	CONC
52	95-007944-H2 @10	95D256A	ICP1	09/13/95	12:51	DRS	S	CONC
53	95-007944-H2 @2	95D256A	ICP1	09/13/95	12:55	DRS	S	CONC

Analysis Report Summary Wed 09-13-95 05:58:45 PM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	SRM-2709-H @10	95D256A	ICP1	09/13/95	13:00	DRS	S	CONC
55	SRM-2709-H @2	95D256A	ICP1	09/13/95	13:03	DRS	S	CONC
56	MCVA 950728I901	95D256A	ICP1	09/13/95	13:08	DRS	Q	CONC
57	SST-ICS-2 950908I102	95D256A	ICP1	09/13/95	13:11	DRS	S	CONC
58	MCVB 950911H901	95D256A	ICP1	09/13/95	13:15	DRS	Q	CONC
59	SRM-1643c 103668	95D256A	ICP1	09/13/95	13:19	DRS	Q	CONC
60	CCV1 950713H901	95D256A	ICP1	09/13/95	13:24	DRS	S	CONC
61	STD1-Blank 108444	95D256A	ICP1	09/13/95	13:27	DRS	S	CONC
62	STD1-Blank	95D256A	ICP1	09/13/95	14:25		X	IR
63	STD2	95D256A	ICP1	09/13/95	14:27		X	IR
64	STD3	95D256A	ICP1	09/13/95	14:31		X	IR
65	STD4	95D256A	ICP1	09/13/95	14:34		X	IR
66	STD5	95D256A	ICP1	09/13/95	14:38		X	IR
67	STD6	95D256A	ICP1	09/13/95	14:42		X	IR
68	STD7	95D256A	ICP1	09/13/95	14:46		X	IR
69	STD8	95D256A	ICP1	09/13/95	14:50		X	IR
70	STD9	95D256A	ICP1	09/13/95	14:54		X	IR
71	STD1-Blank 108444	95D256A	ICP1	09/13/95	15:01	DRS	S	CONC
72	MCVA 950728I901	95D256A	ICP1	09/13/95	15:04	DRS	Q	CONC
73	SST-ICS-2 950908I102	95D256A	ICP1	09/13/95	15:07	DRS	S	CONC
74	MCVB 950911H901	95D256A	ICP1	09/13/95	15:11	DRS	Q	CONC
75	MCVB 950911H901	95D256A	ICP1	09/13/95	15:13	DRS	Q	CONC
76	SRM-1643c 103668	95D256A	ICP1	09/13/95	15:17	DRS	Q	CONC
77	CCV1 950713H901	95D256A	ICP1	09/13/95	15:21	DRS	S	CONC
78	STD1-Blank 108444	95D256A	ICP1	09/13/95	15:25	DRS	S	CONC
79	95-007945-H3 @2	95D256A	ICP1	09/13/95	15:30	DRS	S	CONC
80	95-007945-H1 @10	95D256A	ICP1	09/13/95	15:33	DRS	S	CONC
81	95-007945-H1 @5	95D256A	ICP1	09/13/95	15:37	DRS	S	CONC
82	95-007945-H1-PS @5	95D256A	ICP1	09/13/95	15:41	DRS	S	CONC
83	95-007945-H1 @2	95D256A	ICP1	09/13/95	15:44	DRS	S	CONC
84	95-007945-H2 @10	95D256A	ICP1	09/13/95	15:48	DRS	S	CONC
85	95-007945-H2 @2	95D256A	ICP1	09/13/95	15:52	DRS	S	CONC
86	95-007946-HCB @2	95D256A	ICP1	09/13/95	15:56	DRS	S	CONC
87	MCVA 950728I901	95D256A	ICP1	09/13/95	16:01	DRS	Q	CONC
88	MCVA 950728I901	95D256A	ICP1	09/13/95	16:05	DRS	Q	CONC
89	SST-ICS-2 950908I102	95D256A	ICP1	09/13/95	16:09	DRS	S	CONC
90	STD1-Blank 108444	95D256A	ICP1	09/13/95	16:13	DRS	S	CONC
91	95-007946-H1T @10	95D256A	ICP1	09/13/95	16:15	DRS	S	CONC
92	95-007946-H1T @2	95D256A	ICP1	09/13/95	16:19	DRS	S	CONC
93	95-007946-H2T @10	95D256A	ICP1	09/13/95	16:23	DRS	S	CONC
94	95-007946-H2T @2	95D256A	ICP1	09/13/95	16:27	DRS	S	CONC
95	95-007947-H1 @10	95D256A	ICP1	09/13/95	16:31	DRS	S	CONC
96	95-007947-H1 @2	95D256A	ICP1	09/13/95	16:35	DRS	S	CONC
97	95-007947-H2 @10	95D256A	ICP1	09/13/95	16:39	DRS	S	CONC
98	95-007947-H2 @2	95D256A	ICP1	09/13/95	16:43	DRS	S	CONC
99	MCVA 950728I901	95D256A	ICP1	09/13/95	16:50	DRS	Q	CONC
100	SST-ICS-2 950908I102	95D256A	ICP1	09/13/95	16:54	DRS	S	CONC
101	STD1-Blank 108444	95D256A	ICP1	09/13/95	16:58	DRS	S	CONC
102	95-007948-H1 @10	95D256A	ICP1	09/13/95	17:00	DRS	S	CONC
103	95-007948-H1 @2	95D256A	ICP1	09/13/95	17:04	DRS	S	CONC
104	95-007948-H2 @10	95D256A	ICP1	09/13/95	17:08	DRS	S	CONC
105	95-007948-H2 @2	95D256A	ICP1	09/13/95	17:12	DRS	S	CONC
106	SRM-2709-H @10	95D256A	ICP1	09/13/95	17:16	DRS	S	CONC
107	SRM-2709-H @2 "H"	95D256A	ICP1	09/13/95	17:19	DRS	S	CONC

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	MCVA 950728I901	95D256A	ICP1	09/13/95	17:24	DRS	Q	CONC
109	SST-ICS-2 950908I102	95D256A	ICP1	09/13/95	17:27	DRS	S	CONC
110	MCVB 950911H901	95D256A	ICP1	09/13/95	17:31	DRS	Q	CONC
111	MCVB 950911H901	95D256A	ICP1	09/13/95	17:35	DRS	Q	CONC
112	SRM-1643c 103668	95D256A	ICP1	09/13/95	17:39	DRS	Q	CONC
113	CCV1 950713H901	95D256A	ICP1	09/13/95	17:43	DRS	S	CONC
114	STD1-Blank 108444	95D256A	ICP1	09/13/95	17:46	DRS	S	CONC

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#	Sample Name	Ag	Al	As	B	Ba	Be
1	SPC-BLK 108444	6416.33	2047.67	1618.67	1028.33	300.667	169
2	SPC-BLK 108444	.0053	.0176	.0065	-.0028	.0012	.0001
3	SPC-STD 950831I101	6508.67	2077	1692.67	1089	301.333	169.333
4	SPC-STD 950831I101	.0082	.0144	.0334	.0029	.0012	.0001
5	STD1-Blank	.64443	.2055	.1653	.10213	.03023	.01689
6	STD2					8.04776	
7	STD3		73.2661		49.6909		
8	STD4						
9	STD5			27.0093			
10	STD6						
11	STD7						1.85876
12	STD8	29.8814					
13	STD9						
14	STD1-Blank 108444	.0016	.0034	-.0033	.0074	.0001	.0000
15	MCVA 950728I901	.4837	24.67	2.546	1.979	.5057	.0930
16	SST-ICS-2 950908I102	.0059	90.78	.1658	.0137	.0025	.0010
17	MCVB 950911H901	.0015	-.1832	.0058	.0074	.0005	.0003
18	SRM-1643c 103668	.0010	.1067	.0795	.1188	.0495	.0221
19	CCV1 950713H901	.0026	1.907	1.991	1.939	.9944	.9638
20	STD1-Blank 108444	.0017	.0064	-.0014	.0066	.0003	.0001
21	95-007941-HCR @2	.0112	.4620	.0462	.1765	.0055	.0003
22	95-007941-H1T @10	.0084	14.18	.0431	.0457	.0038	.0003
23	95-007941-H1T @5	.0091	28.19	.0680	.0561	.0063	.0003
24	95-007941-H1T-PS @5	.0122	36.64	.0775	.0826	.0065	.0006
25	95-007941-H1T @2	.0093	68.17	.1417	.1926	.0121	.0005
26	95-007941-H2T @10	.0098	13.76	.0407	.0442	.0032	.0003
27	95-007941-H2T @2	.0084	67.64	.1141	.1860	.0083	.0004
28	95-007942-H3 @2	.0152	.1934	.0483	.2231	.0046	.0003
29	MCVA 950728I901	.4734	24.15	2.464	1.933	.4932	.0903
30	SST-ICS-2 950908I102	.0062	90.15	.1558	.0091	.0026	.0010
31	STD1-Blank 108444	.0021	.0183	-.0068	.0022	.0005	.0001
32	I.V. U @500 PPM @10	.0062	-.1305	.0215	-.0034	.0008	.0006
33	I.V. U @500 PPM	.0154	-1.468	.1318	-.0681	.0004	.0046
34	H.P. U @500 PPM @10	.0056	-.1253	.0148	-.0043	.0006	.0006
35	H.P. U @500 PPM	.0149	-1.453	.1335	-.0705	.0008	.0046
36	STD6 950830I106	.0124	-1.475	.1213	-.0743	.0000	.0045
37	MCVA 950728I901	.4714	24.07	2.478	1.930	.4919	.0901
38	STD1-Blank 108444	-.0006	-.0039	.0007	.0017	-.0001	.0000
39	95-007942-H1 @10	.0062	1.024	.0115	.0768	.0013	.0001
40	95-007942-H1 @2	.0119	4.796	.0438	.3446	.0034	.0003
41	95-007942-H2 @10	.0044	1.229	.0099	.0208	.0011	.0001
42	95-007942-H2 @2	.0119	5.794	.0344	.0827	.0038	.0003
43	95-007943-H1 @10	.0046	24.83	.0220	.0241	.0024	.0002
44	95-007943-H1 @2	.0118	119.3	.1395	.1060	.0096	.0006
45	95-007943-H2 @10	.0066	22.17	.0369	.0254	.0025	.0002
46	95-007943-H2 @2	.0113	109.5	.1184	.1048	.0081	.0005
47	MCVA 950728I901	.4769	24.49	2.499	1.953	.4993	.0908
48	SST-ICS-2 950908I102	.0024	92.62	.1652	.0062	.0020	.0009
49	STD1-Blank 108444	.0012	.0237	.0020	.0012	.0002	.0000
50	95-007944-H1 @10	.0055	4.831	.0113	.1439	.0026	.0001
51	95-007944-H1 @2	.0134	22.63	.0584	.6593	.0098	.0004
52	95-007944-H2 @10	.0086	4.602	.0168	.0648	.0035	.0003
53	95-007944-H2 @2	.0140	22.80	.0595	.2950	.0110	.0004

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#	Sample Name	Ag	Al	As	B	Ba	Be
54	SRM-2709-H @10	.0085	6.592	.0302	.0551	.0844	.0007
55	SRM-2709-H @2	.0136	32.02	.0958	.2466	.3985	.0030
56	MCVA 950728I901	.4772	24.31	2.502	1.950	.4970	.0909
57	SST-ICS-2 950908I102	.0069	89.78	.1711	.0091	.0028	.0010
58	MCVB 950911H901	.0033	-.1263	.0130	.0043	.0007	.0003
59	SRM-1643c 103668	0.0064	0.1254	0.0865	0.1111	.0471	0.0208
60	CCV1 950713H901	.0039	1.852	1.957	1.870	.9530	.9198
61	STD1-Blank 108444	.0036	.0144	.0075	.0039	.0007	.0001
62	STD1-Blank	.66036	.20956	.16663	.10266	.03079	.01713
63	STD2					7.47143	
64	STD3		68.0084		46.0663		
65	STD4						
66	STD5			25.1289			
67	STD6						
68	STD7						
69	STD8	27.3007					1.66963
70	STD9						
71	STD1-Blank 108444	.0026	.0144	.0033	.0202	.0007	.0001
72	MCVA 950728I901	.4839	24.46	2.486	1.961	.4935	.0930
73	SST-ICS-2 950908I102	.0046	91.44	.1627	.0173	.0025	.0011
74	MCVB 950911H901	.0010	-.1749	-.0101	.0096	.0002	.0003
75	MCVB 950911H901	.0031	-.1590	.0050	.0112	.0009	.0003
76	SRM-1643c 103668	0-.0021	0.0999	0.0745	.1202	.0489	.0224
77	CCV1 950713H901	-.0009	1.916	1.980	1.956	.9895	.9775
78	STD1-Blank 108444	-.0000	.0047	-.0076	.0065	.0004	.0001
79	95-007945-H3 @2	.0131	.2114	.0314	.6234	.0035	.0003
80	95-007945-H1 @10	.0033	1.704	.0084	.0381	.0313	.0002
81	95-007945-H1 @5	.0065	3.381	.0250	.0720	.0609	.0003
82	95-007945-H1-PS @5	.0108	12.43	.0476	.0695	.0598	.0007
83	95-007945-H1 @2	.0171	7.874	.0576	.1579	.1385	.0007
84	95-007945-H2 @10	.0046	1.896	.0122	.0547	.0363	.0002
85	95-007945-H2 @2	.0191	8.402	.0627	.2284	.1536	.0009
86	95-007946-HCB @2	.0204	.5384	.1070	.1858	.0084	.0006
87	MCVA 950728I901	.4664	22.94	2.426	1.852	.4603	0.0892
88	MCVA 950728I901	.4927	24.51	2.553	1.975	.4950	.0948
89	SST-ICS-2 950908I102	.0118	89.69	.1919	.0164	.0038	.0013
90	STD1-Blank 108444	-.0006	.0086	-.0130	.0042	.0001	.0000
91	95-007946-H1T @10	.0068	1.371	.0318	.0533	.0667	.0003
92	95-007946-H1T @2	.0129	6.547	.1102	.2303	.3100	.0010
93	95-007946-H2T @10	.0074	1.102	.0297	.0470	.0485	.0003
94	95-007946-H2T @2	.0160	5.149	.1062	.2007	.2210	.0009
95	95-007947-H1 @10	.0058	.8473	.0144	.1009	.0110	.0002
96	95-007947-H1 @2	.0213	3.896	.0632	.4507	.0476	.0007
97	95-007947-H2 @10	.0059	1.160	.0160	.0902	.0155	.0002
98	95-007947-H2 @2	.0226	5.172	.0828	.3922	.0651	.0009
99	MCVA 950728I901	.4998	25.31	2.562	2.021	.5108	.0962
100	SST-ICS-2 950908I102	.0016	95.42	.1586	.0108	.0019	.0011
101	STD1-Blank 108444	-.0023	-.0019	-.0088	.0051	-.0001	.0000
102	95-007948-H1 @10	.0026	.9191	.0140	.1230	.0129	.0001
103	95-007948-H1 @2	.0164	4.252	.0664	.5530	.0580	.0007
104	95-007948-H2 @10	.0073	.8052	.0201	.0449	.0121	.0003
105	95-007948-N2 @2	.0166	3.822	.0577	.1995	.0527	.0007
106	SRM-2709-H @10	.0069	6.874	.0220	.0892	.0877	.0008
107	SRM-2709-H @2	.0208	30.62	.1135	.3763	.3753	.0032

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#	Sample Name	Ag	Al	As	B	Ba	Be
108	MCVA 950728I901	.4982	24.92	2.577	2.008	.5047	.0964
109	SST-ICS-2 950908I102	.0063	91.33	.1628	.0108	.0027	.0011
110	MCVB 950911H901	.0014	-.1593	-.0094	.0048	.0004	.0003
111	MCVB 950911H901	.0009	-.1658	.0031	.0029	.0000	.0003
112	SRM-1643c 103668	0-.0019	0.0986	0.0722	0.1170	.0487	.0223
113	CCV1 950713H901	-.0008	1.917	1.984	1.950	.9869	.9781
114	STD1-Blank 108444	-.0026	-.0089	-.0139	.0028	-.0003	.0001

#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
1	SPC-BLK 108444	1414.67	1233.33	432.667	6155.67	1388.67	456.333
2	SPC-BLK 108444	.0157	.0051	.0017	.0389	.0036	-.0003
3	SPC-STD 950831I101	1655.67	1214.67	451	6181.33	1397	475.333
4	SPC-STD 950831I101	-.0002	-.0009	.0033	.0437	.0046	.0027
5	STD1-Blank	.14266	.12383	.04346	.61966	.13933	.04586
6	STD2					17.3862	12.6999
7	STD3		78.1331	9.94053			
8	STD4						
9	STD5				24.8285		
10	STD6						
11	STD7						
12	STD8	26.9059					
13	STD9						
14	STD1-Blank 108444	.0024	-.0036	-.0002	.0044	.0012	.0004
15	MCVA 950728I901	24.39	24.70	.4941	-.0393	1.016	1.012
16	SST-ICS-2 950908I102	.0850	.0664	.0103	-.0482	.0163	.0359
17	MCVB 950911H901	-.0055	.0202	.0005	1.950	.0040	.0053
18	SRM-1643c 103668	.0071	35.43	.0122	-.0084	.0238	.0221
19	CCV1 950713H901	1.919	1.941	.9908	.0121	1.036	.5170
20	STD1-Blank 108444	-.0045	-.0021	-.0006	.0034	.0017	.0022
21	95-007941-HCB @2	.0423	.0867	.0120	.0571	.0214	.0194
22	95-007941-H1T @10	.0386	.0650	.0034	.0496	.0115	.0195
23	95-007941-H1T @5	.0711	.1501	.0064	.0539	.0173	.0319
24	95-007941-H1T-PS @5	.0828	4.759	.2408	.0651	.0194	1.440
25	95-007941-H1T @2	.1598	.3714	.0122	.0467	.0293	.0736
26	95-007941-H2T @10	.0220	.0376	.0038	.0575	.0117	.0190
27	95-007941-H2T @2	.0589	.2244	.0140	.0365	.0229	.0779
28	95-007942-H3 @2	.0329	.1373	.0047	.0930	.0535	.0217
29	MCVA 950728I901	23.79	24.13	.4827	-.0049	.9939	.9839
30	SST-ICS-2 950908I102	.0905	.0678	.0111	-.0296	.0164	.0367
31	STD1-Blank 108444	-.0037	-.0014	.0007	.0104	.0019	.0003
32	I.V. U @500 PPM @10	-.0158	.0495	.0015	.0456	.0066	.0016
33	I.V. U @500 PPM	-.1653	.5571	-.0038	.1627	.0170	.0067
34	H.P. U @500 PPM @10	-.0131	.0425	.0006	.0407	.0059	.0019
35	H.P. U @500 PPM	-.1472	.5532	-.0041	.1742	.0169	.0081
36	STD6 950830I106	-.1670	.5505	-.0057	.1577	.0151	.0059
37	MCVA 950728I901	23.72	24.08	.4824	-.0275	.9923	.9866
38	STD1-Blank 108444	-.0063	-.0040	-.0001	-.0101	-.0003	.0005
39	95-007942-H1 @10	.0095	.0005	.0006	.0316	.0077	.0100
40	95-007942-H1 @2	.0301	1.109	.0037	.0600	.0254	.0418
41	95-007942-H2 @10	-.0064	.0169	.0025	.0160	.0067	.0144
42	95-007942-H2 @2	.0256	1.200	.0052	.0477	.0231	.0679
43	95-007943-H1 @10	.0083	.0581	.0020	.0217	.0112	.0634

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#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
44	95-007943-H1 @2	.0427	1.437	.0053	.0470	.0449	.2983
45	95-007943-H2 @10	.0109	.0365	.0022	.0332	.0137	.0599
46	95-007943-H2 @2	.0428	1.448	.0075	.0379	.0512	.2819
47	MCVA 950728I901	23.97	24.26	.4845	-.0351	.9977	.9911
48	SST-ICS-2 950908I102	.0760	.0637	.0103	-.0845	.0136	.0381
49	STD1-Blank 108444	-.0088	-.0014	-.0001	.0037	.0010	.0010
50	95-007944-H1 @10	.0064	.0260	.0016	.0225	.0100	.0216
51	95-007944-H1 @2	.0363	.6858	.0039	.0603	.0380	.0992
52	95-007944-H2 @10	.0078	.0343	.0031	.0484	.0116	.0267
53	95-007944-H2 @2	.0394	.7352	.0048	.0561	.0358	.1263
54	SRM-2709-H @10	.0146	1.716	.0031	.0472	.0161	.0195
55	SRM-2709-H @2	.0546	8.957	.0092	.0795	.0563	.0899
56	MCVA 950728I901	23.95	24.32	.4848	-.0388	1.002	.9923
57	SST-ICS-2 950908I102	.0907	.0684	.0102	-.0556	.0165	.0410
58	MCVB 950911H901	.0006	.0213	.0015	1.941	.0043	.0037
59	SRM-1643c 103668	.0098	034.12	.0128	.0261	0.0282	0.0226
60	CCV1 950713H901	1.847	1.882	.9565	.0223	1.003	.4925
61	STD1-Blank 108444	.0009	.0074	-.0005	.0173	.0032	.0017
62	STD1-Blank	.14186	.126	.04383	.63246	.14163	.04656
63	STD2					16.4178	11.7275
64	STD3		73.0797	9.28896			
65	STD4						
66	STD5				22.7733		
67	STD6						
68	STD7						
69	STD8	24.3002					
70	STD9						
71	STD1-Blank 108444	.0164	.0069	.0007	.0215	.0028	.0007
72	MCVA 950728I901	24.50	24.12	.4806	-.0443	.9811	.9830
73	SST-ICS-2 950908I102	.0848	.0571	.0087	-.0713	.0141	.0399
74	MCVB 950911H901	.0026	.0086	.0020	1.991	.0017	.0016
75	MCVB 950911H901	.0096	.0126	.0008	1.934	.0037	.0028
76	SRM-1643c 103668	.0168	035.17	.0129	-.0201	0.0218	0.0213
77	CCV1 950713H901	1.965	1.916	.9788	-.0024	1.012	.5073
78	STD1-Blank 108444	.0012	.0017	-.0012	.0019	.0010	.0003
79	95-007945-H3 @2	.0454	.0890	.0057	.0691	.0329	.0167
80	95-007945-H1 @10	.1454	1.279	.0028	.0193	.0093	.0712
81	95-007945-H1 @5	.2924	2.575	.0026	.0428	.0189	.1423
82	95-007945-H1-PS @5	.3066	7.145	.2462	.0612	.0223	1.556
83	95-007945-H1 @2	.6889	6.072	.0085	.0889	.0434	.3303
84	95-007945-H2 @10	.1796	1.459	.0013	.0312	.0103	.0722
85	95-007945-H2 @2	.8025	6.684	.0069	.1255	.0417	.3194
86	95-007946-HCB @2	.1228	.1253	.0146	.1232	.0440	.0369
87	MCVA 950728I901	23.44	23.52	.4696	.0203	.9579	.9603
88	MCVA 950728I901	24.82	24.75	.4933	-.0166	1.009	1.009
89	SST-ICS-2 950908I102	.1149	.0722	.0111	-.0250	.0210	.0428
90	STD1-Blank 108444	-.0018	.0015	-.0000	-.0075	.0005	-.0004
91	95-007946-H1T @10	.3519	1.212	.0063	.0506	.0141	.0579
92	95-007946-H1T @2	1.626	5.945	.0286	.0866	.0465	.2841
93	95-007946-H2T @10	.2703	.8670	.0091	.0540	.0119	.0437
94	95-007946-H2T @2	1.241	4.202	.0378	.0961	.0439	.1974
95	95-007947-H1 @10	.1143	1.774	.0021	.0359	.0127	.0106
96	95-007947-H1 @2	.4780	8.504	.0110	.1100	.0523	.0489
97	95-007947-H2 @10	.1563	2.438	.0038	.0373	.0133	.0145

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#	Sample Name	Bi	Ca	Cd	Ce	Co	Cr
98	95-007947-H2 @2	.6692	11.21	.0091	.1355	.0534	.0570
99	MCVA 950728I901	25.29	24.91	.4884	-.0523	1.016	1.010
100	SST-ICS-2 950908I102	.0906	.0578	.0099	-.1048	.0130	.0424
101	STD1-Blank 108444	.0023	.0007	-.0010	-.0191	-.0007	.0002
102	95-007948-H1 @10	.1258	.8160	.0021	.0109	.0109	.0116
103	95-007948-H1 @2	.5547	3.939	.0072	.0902	.0465	.0511
104	95-007948-H2 @10	.1170	.7073	.0023	.0554	.0160	.0116
105	95-007948-N2 @2	.5144	3.521	.0078	.0954	.0567	.0521
106	SRM-2709-H @10	.0353	1.794	.0039	.0481	.0171	.0209
107	SRM-2709-H @2	.0941	8.273	.0106	.1347	.0624	.0889
108	MCVA 950728I901	25.19	25.04	.4950	-.0365	1.021	1.015
109	SST-ICS-2 950908I102	.1037	.0622	.0103	-.0636	.0163	.0400
110	MCVB 950911H901	.0055	.0094	.0008	1.978	.0021	.0022
111	MCVB 950911H901	-.0027	.0081	.0011	1.966	.0032	.0022
112	SRM-1643c 103668	.0096	035.19	.0122	-.0177	0.0221	0.0210
113	CCV1 950713H901	1.975	1.918	.9728	-.0045	1.016	.5087
114	STD1-Blank 108444	-.0052	.0049	-.0013	-.0169	-.0002	-.0004

#	Sample Name	Cu	Dy	Eu	Fe	K	La
1	SPC-BLK 108444	448.333	1901.33	331.333	548	2131.67	970.667
2	SPC-BLK 108444	.0017	.0041	.0014	.0033	1.380	.0072
3	SPC-STD 950831I101	23913	2143.33	331.667	604	2141	975
4	SPC-STD 950831I101	10.43	.0016	.0014	.0030	1.533	.0085
5	STD1-Blank	.04549	.1911	.0333	.0551	.21439	.09766
6	STD2	4.52216			73.8672		
7	STD3					3.04399	
8	STD4		49.0518	11.3265			6.19916
9	STD5						
10	STD6						
11	STD7						
12	STD8						
13	STD9						
14	STD1-Blank 108444	.0088	.0004	.0002	.0003	.1531	.0009
15	MCVA 950728I901	1.010	-.0010	.0019	20.26	25.35	.0038
16	SST-ICS-2 950908I102	-.0337	.0068	.0035	18.41	4093.	.0200
17	MCVB 950911H901	.0149	1.935	1.922	.0063	.4418	1.927
18	SRM-1643c 103668	.0263	-.0008	.0010	.1193	2.115	.0052
19	CCV1 950713H901	2.018	.0015	.0011	2.010	5.242	.0045
20	STD1-Blank 108444	.0066	.0011	.0005	.0007	.1237	.0020
21	95-007941-HCB @2	-.0039	.0088	.0026	.2920	4794.	.0163
22	95-007941-H1T @10	.0051	.0078	.0023	.1650	1069.	.0130
23	95-007941-H1T @5	.0055	.0091	.0025	.3212	2086.	.0156
24	95-007941-H1T-FS @5	-.0011	.0078	.0029	.3171	2066.	.0191
25	95-007941-H1T @2	-.0036	.0108	.0025	.7477	4873.	.0166
26	95-007941-H2T @10	.0049	.0091	.0026	.1104	1016.	.0152
27	95-007941-H2T @2	-.0051	.0081	.0020	.4981	4755.	.0122
28	95-007942-H3 @2	.0138	.0114	.0037	.4986	6617.	.0194
29	MCVA 950728I901	.9647	.0008	.0024	19.76	26.05	.0056
30	SST-ICS-2 950908I102	-.0422	.0069	.0038	18.29	4026.	.0205
31	STD1-Blank 108444	.0019	.0020	.0007	.0032	.4476	.0025
32	I.V. U @500 PPM @10	-.0167	-.0047	.0001	.0087	.6126	.0100
33	I.V. U @500 PPM	-.2086	-.0838	-.0141	.0343	1.449	.0344

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#	Sample Name	Cu	Dy	Eu	Fe	K	La
34	H.P. U @500 PPM @10	-.0179	-.0048	-.0003	.0074	.5124	.0085
35	H.P. U @500 PPM	-.2066	-.0830	-.0138	.0342	1.349	.0358
36	STD6 950830I106	-.2140	-.0864	-.0147	.0318	1.184	.0321
37	MCVA 950728I901	.9634	.0005	.0021	19.72	24.44	.0053
38	STD1-Blank 108444	.0016	-.0006	-.0003	.0004	-.6361	-.0008
39	95-007942-H1 @10	.0023	.0047	.0015	.6294	1136.	.0086
40	95-007942-H1 @2	.0002	.0098	.0031	2.944	5035.	.0161
41	95-007942-H2 @10	.0344	.0031	.0008	.2984	1202.	.0050
42	95-007942-H2 @2	.1812	.0071	.0025	1.392	5229.	.0130
43	95-007943-H1 @10	.0820	.0038	.0011	.2548	1174.	.0056
44	95-007943-H1 @2	.3928	.0075	.0023	1.193	5149.	.0136
45	95-007943-H2 @10	.0092	.0051	.0017	.3891	1162.	.0087
46	95-007943-H2 @2	.0375	.0061	.0020	1.868	5197.	.0119
47	MCVA 950728I901	.9742	-.0004	.0019	19.89	26.39	.0038
48	SST-ICS-2 950908I102	-.0472	.0041	.0027	18.60	4135.	.0150
49	STD1-Blank 108444	.0014	.0011	.0004	.0046	.6302	.0026
50	95-007944-H1 @10	.0137	.0042	.0014	.2132	1076.	.0071
51	95-007944-H1 @2	.0606	.0094	.0030	.9742	4741.	.0161
52	95-007944-H2 @10	.0132	.0077	.0022	.2583	1059.	.0130
53	95-007944-H2 @2	.0533	.0069	.0029	1.256	4820.	.0154
54	SRM-2709-H @10	.0183	.0080	.0025	3.297	1056.	.0146
55	SRM-2709-H @2	.0774	.0121	.0043	15.76	4762.	.0275
56	MCVA 950728I901	.9689	.0001	.0020	19.92	23.90	.0046
57	SST-ICS-2 950908I102	-.0416	.0079	.0038	18.23	3950.	.0205
58	MCVB 950911H901	-.0033	1.909	1.898	.0127	1.013	1.916
59	SRM-1643c 103668	.0235	.0047	.0025	Q.1177	2.332	.0138
60	CCV1 950713H901	1.919	.0040	.0015	1.938	4.883	.0075
61	STD1-Blank 108444	.0048	.0036	.0011	.0023	-.1119	.0065
62	STD1-Blank	.04613	.19589	.0342	.05613	.21523	.10013
63	STD2	4.16563			69.3936		
64	STD3					2.77763	
65	STD4		44.1084	10.2389			5.66026
66	STD5						
67	STD6						
68	STD7						
69	STD8						
70	STD9						
71	STD1-Blank 108444	.0130	.0025	.0008	.0016	.6114	.0060
72	MCVA 950728I901	.9889	-.0016	.0014	19.56	26.52	.0032
73	SST-ICS-2 950908I102	-.0368	.0053	.0031	18.13	4159.	.0165
74	MCVB 950911H901	.0184	1.999	1.986	.0042	.1561	1.979
75	MCVB 950911H901	.0137	1.918	1.908	.0056	.7090	1.910
76	SRM-1643c 103668	Q.0256	-.0028	.0003	Q.1166	Q1.977	.0023
77	CCV1 950713H901	2.012	-.0010	.0003	1.970	5.360	-.0006
78	STD1-Blank 108444	.0067	.0000	.0002	-.0001	.1496	.0012
79	95-007945-H3 @2	.0899	.0106	.0031	.4411	5075.	.0182
80	95-007945-H1 @10	.0170	.0019	.0009	2.286	1124.	.0081
81	95-007945-H1 @5	.0322	.0034	.0016	4.532	2157.	.0160
82	95-007945-H1-PS @5	.0258	.0040	.0026	4.403	2090.	.0223
83	95-007945-H1 @2	.0690	.0089	.0038	10.50	4799.	.0361
84	95-007945-H2 @10	.0079	.0034	.0013	2.528	1125.	.0106
85	95-007945-H2 @2	-.0089	.0133	.0053	11.16	4642.	.0471
86	95-007946-HCB @2	.0316	.0217	.0053	.1915	4506.	.0298
87	MCVA 950728I901	.9184	.0066	.0038	18.81	Q27.71	.0157

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#	Sample Name	Cu	Dy	Eu	Fe	K	La
88	MCVA 950728I901	.9868	.0015	.0024	19.96	24.94	.0076
89	SST-ICS-2 950908I102	-.0344	.0122	.0051	18.14	3999.	.0254
90	STD1-Blank 108444	.0041	-.0000	-.0001	.0013	.0585	-.0002
91	95-007946-H1T @10	.0122	.0065	.0017	3.036	1105.	.0137
92	95-007946-H1T @2	.0317	.0093	.0031	14.55	4929.	.0276
93	95-007946-H2T @10	.0097	.0069	.0020	2.248	1090.	.0140
94	95-007946-H2T @2	.0222	.0120	.0035	10.58	4787.	.0304
95	95-007947-H1 @10	.0529	.0039	.0017	3.786	1003.	.0108
96	95-007947-H1 @2	.2366	.0100	.0050	17.57	4295.	.0329
97	95-007947-H2 @10	.0455	.0035	.0015	5.674	1033.	.0118
98	95-007947-H2 @2	.1944	.0101	.0059	25.35	4268.	.0411
99	MCVA 950728I901	1.010	-.0033	.0012	20.20	26.74	.0004
100	SST-ICS-2 950908I102	-.0494	.0031	.0025	18.89	4284.	.0122
101	STD1-Blank 108444	.0018	-.0021	-.0008	-.0007	-.5724	-.0037
102	95-007948-H1 @10	.0281	.0009	.0007	4.761	1066.	.0052
103	95-007948-H1 @2	.1221	.0063	.0042	21.98	4584.	.0277
104	95-007948-H2 @10	.0205	.0060	.0021	4.040	1008.	.0144
105	95-007948-H2 @2	.0738	.0082	.0043	19.58	4566.	.0278
106	SRM-2709-H @10	.0232	.0072	.0023	3.403	1093.	.0137
107	SRM-2709-H @2	.0834	.0196	.0066	15.06	4562.	.0403
108	MCVA 950728I901	.9977	-.0002	.0019	20.23	24.87	.0046
109	SST-ICS-2 950908I102	-.0424	.0084	.0036	18.22	4093.	.0186
110	MCVB 950911H901	-.0041	1.988	1.971	.0051	-.0650	1.967
111	MCVB 950911H901	-.0073	1.977	1.964	.0034	-.4293	1.959
112	SRM-1643c 103668	.0203	-.0026	.0004	0.1158	01.535	.0034
113	CCV1 950713H901	2.004	-.0003	.0004	1.969	4.852	.0010
114	STD1-Blank 108444	.0011	-.0017	-.0007	-.0018	-.8260	-.0032

#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
1	SPC-BLK 108444	411	2319.33	192.333	783.667	401.667	3600.33
2	SPC-BLK 108444	.0041	.0147	.0006	.0020	-.1191	.0319
3	SPC-STD 950831I101	29337.3	2431	72518.3	811.333	408.667	3629.33
4	SPC-STD 950831I101	9.812	.0299	10.01	.0008	-.0886	.0404
5	STD1-Blank	.0408	.23346	.0193	.07899	.04059	.36226
6	STD2		45.4272		11.9842	5.90989	
7	STD3	13.4379		7.05883			
8	STD4						16.8685
9	STD5						
10	STD6						
11	STD7						
12	STD8						
13	STD9						
14	STD1-Blank 108444	.0025	.0054	.0002	-.0007	.0169	.0088
15	MCVA 950728I901	1.928	26.16	.5076	1.024	24.08	.0093
16	SST-ICS-2 950908I102	.0105	.3058	.0038	.0179	.3287	.0409
17	MCVB 950911H901	.0044	.0826	.0007	.0020	.0121	1.928
18	SRM-1643c 103668	.0130	9.884	.0352	.1059	11.38	.0097
19	CCV1 950713H901	1.928	2.090	1.016	1.997	7.752	.0170
20	STD1-Blank 108444	.0029	.0035	.0003	.0025	.0225	.0119
21	95-007941-HCB @2	.0557	.0729	.0927	.0132	2.045	.0537
22	95-007941-H1T @10	.0171	.0647	.0330	.0082	10.21	.0468
23	95-007941-H1T @5	.0272	.1022	.0651	.0119	20.11	.0525

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#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
24	95-007941-H1T-FS @5	.0288	.2084	.1574	.0111	33.45	.0546
25	95-007941-H1T @2	.0545	.1851	.1531	.0183	47.89	.0506
26	95-007941-H2T @10	.0203	.0618	.0297	.0086	10.20	.0567
27	95-007941-H2T @2	.0622	.1268	.1381	.0160	49.11	.0476
28	95-007942-H3 @2	.0115	.0836	.4140	.0161	2.992	.0733
29	MCVA 950728I901	1.915	25.58	.4946	.9945	23.98	.0163
30	SST-ICS-2 950908I102	.0126	.3229	.0038	.0168	.3504	.0450
31	STD1-Blank 108444	.0027	.0099	.0003	.0016	.0324	.0139
32	I.V. U @500 PPM @10	.0087	.2638	.0014	.0018	.0470	.0045
33	I.V. U @500 PPM	.0338	2.439	.0062	-.0090	-.0598	-.2402
34	H.P. U @500 PPM @10	.0083	.2601	.0013	.0006	.0407	-.0025
35	H.P. U @500 PPM	.0348	2.433	.0071	-.0090	-.0819	-.2358
36	STD6 950830I106	.0350	2.446	.0062	-.0107	-.0999	-.2522
37	MCVA 950728I901	1.880	25.50	.4930	.9941	23.49	.0127
38	STD1-Blank 108444	.0010	-.0011	-.0000	.0000	-.0013	-.0010
39	95-007942-H1 @10	.0056	.0311	.0410	.0057	25.37	.0324
40	95-007942-H1 @2	.0119	.0739	.1929	.0148	116.2	.0625
41	95-007942-H2 @10	.0051	.0290	.0352	.0056	25.04	.0216
42	95-007942-H2 @2	.0108	.0786	.1655	.0157	111.8	.0474
43	95-007943-H1 @10	.0217	.0376	.0729	.0067	52.26	.0231
44	95-007943-H1 @2	.0904	.1267	.3455	.0251	235.1	.0465
45	95-007943-H2 @10	.0223	.0340	.0963	.0079	52.35	.0356
46	95-007943-H2 @2	.0796	.0971	.4643	.0240	239.8	.0396
47	MCVA 950728I901	1.998	25.79	.4967	1.008	25.20	.0087
48	SST-ICS-2 950908I102	.0102	.3117	.0029	.0159	.3301	.0224
49	STD1-Blank 108444	.0020	.0042	.0001	.0012	.0098	.0049
50	95-007944-H1 @10	.0072	.0374	.0971	.0045	22.61	.0270
51	95-007944-H1 @2	.0215	.1209	.4521	.0160	102.7	.0588
52	95-007944-H2 @10	.0098	.0472	.0774	.0089	27.94	.0491
53	95-007944-H2 @2	.0219	.1047	.3800	.0230	129.2	.0583
54	SRM-2709-H @10	.0127	1.430	.1338	.0069	1.455	.0501
55	SRM-2709-H @2	.0296	6.749	.6447	.0213	6.509	.0759
56	MCVA 950728I901	1.891	25.73	.4991	1.005	23.59	.0121
57	SST-ICS-2 950908I102	.0128	.3335	.0037	.0175	.3579	.0447
58	MCVB 950911H901	.0055	.0901	.0011	.0019	.0281	1.910
59	SRM-1643c 103668	.0170	9.422	.0340	.1040	D10.66	.0400
60	CCV1 950713H901	1.914	2.024	.9773	1.926	7.815	.0273
61	STD1-Blank 108444	.0041	.0165	.0006	.0035	.0534	.0207
62	STD1-Blank	.04233	.23756	.0197	.08016	.04183	.37116
63	STD2		42.7131		11.2533	5.5215	
64	STD3	12.4636		6.5383			
65	STD4						15.2793
66	STD5						
67	STD6						
68	STD7						
69	STD8						
70	STD9						
71	STD1-Blank 108444	.0015	.0206	.0003	.0007	.0421	.0215
72	MCVA 950728I901	1.974	25.40	.4965	.9840	24.71	.0049
73	SST-ICS-2 950908I102	.0071	.2858	.0029	.0154	.3341	.0364
74	MCVB 950911H901	-.0007	.0819	.0005	-.0008	.0015	1.980
75	MCVB 950911H901	.0027	.0897	.0008	.0010	.0448	1.916
76	SRM-1643c 103668	Q.0114	Q9.755	.0349	Q.1011	12.12	-.0043
77	CCV1 950713H901	2.049	2.054	1.008	1.955	8.307	.0041

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#	Sample Name	Li	Mg	Mn	Mo	Na	Nd
78	STD1-Blank 108444	-.0007	.0057	.0001	.0005	.0090	.0059
79	95-007945-H3 @2	.0094	.0796	.2293	.0114	2.687	.0667
80	95-007945-H1 @10	.0021	.1590	.1190	.0045	16.60	.0211
81	95-007945-H1 @5	.0045	.3161	.2371	.0083	32.30	.0365
82	95-007945-H1-PS @5	.0071	.4039	.3258	.0079	45.54	.0474
83	95-007945-H1 @2	.0098	.6964	.5515	.0187	72.94	.0771
84	95-007945-H2 @10	.0037	.1521	.0614	.0033	16.80	.0263
85	95-007945-H2 @2	.0146	.6701	.2734	.0151	70.93	.1088
86	95-007946-HCB @2	.0194	.1080	.1880	.0189	2.172	.1146
87	MCVA 950728I901	Q1.709	24.37	.4802	.9522	Q21.50	.0557
88	MCVA 950728I901	1.865	25.80	.5080	1.013	23.36	.0218
89	SST-ICS-2 950908I102	.0136	.3455	.0043	.0201	.4003	.0681
90	STD1-Blank 108444	.0003	.0024	-.0000	-.0007	.0061	.0009
91	95-007946-H1T @10	.0163	.1802	.0838	.0070	11.38	.0414
92	95-007946-H1T @2	.0638	.7571	.4024	.0217	51.82	.0774
93	95-007946-H2T @10	.0209	.1497	.0674	.0056	12.68	.0451
94	95-007946-H2T @2	.0847	.5949	.3192	.0201	56.97	.0874
95	95-007947-H1 @10	.0047	.1427	.1243	.0050	13.99	.0334
96	95-007947-H1 @2	.0112	.6211	.5820	.0205	60.86	.1040
97	95-007947-H2 @10	.0044	.1984	.1549	.0051	19.78	.0391
98	95-007947-H2 @2	.0148	.8587	.6978	.0234	83.02	.1260
99	MCVA 950728I901	2.052	26.20	.5136	1.023	25.73	-.0085
100	SST-ICS-2 950908I102	.0071	.2935	.0030	.0143	.3056	.0177
101	STD1-Blank 108444	-.0020	.0018	-.0003	-.0013	-.0117	-.0119
102	95-007948-H1 @10	.0007	.1334	.1308	.0040	13.18	.0140
103	95-007948-H1 @2	.0093	.6093	.6096	.0180	58.11	.0843
104	95-007948-H2 @10	.0047	.1354	.1402	.0057	11.08	.0427
105	95-007948-N2 @2	.0103	.5296	.6808	.0183	51.32	.0874
106	SRM-2709-H @10	.0094	1.486	.1409	.0070	1.522	.0443
107	SRM-2709-H @2	.0312	6.522	.6289	.0247	6.256	.1209
108	MCVA 950728I901	1.918	26.19	.5153	1.021	23.96	.0096
109	SST-ICS-2 950908I102	.0107	.3066	.0033	.0175	.3550	.0450
110	MCVB 950911H901	.0006	.0767	.0005	.0002	.0155	1.966
111	MCVB 950911H901	-.0005	.0831	.0005	-.0017	.0096	1.959
112	SRM-1643c 103668	Q.0115	Q9.755	.0347	Q.1005	11.98	-.0013
113	CCV1 950713H901	2.044	2.062	1.011	1.955	8.313	-.0018
114	STD1-Blank 108444	-.0021	-.0005	-.0002	-.0006	-.0148	-.0108

#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
1	SPC-BLK 108444	467.667	1276	13122.3	14960.3	14889.3	2553
2	SPC-BLK 108444	.0037	.0264	.0387	.0749	.0389	.0094
3	SPC-STD 950831I101	465	1426	135855	15051	14947.7	2640.67
4	SPC-STD 950831I101	.0028	.0089	10.60	.0933	.0445	.0334
5	STD1-Blank	.0465	.12686	1.31916	1.50456	1.49609	.25603
6	STD2	5.9565		59.3446			
7	STD3		14.0152				
8	STD4						
9	STD5						36.3825
10	STD6						
11	STD7						
12	STD8						
13	STD9				21.0894	49.946	

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#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
14	STD1-Blank 108444	-.0003	-.0027	.0028	.0333	.0073	.0088
15	MCVA 950728I901	1.043	.0341	2.576	-.0210	-.0048	2.495
16	SST-ICS-2 950908I102	48.13	.1156	.2795	-.1308	.0566	.0530
17	MCVB 950911H901	.0091	-.0110	.0543	1.981	1.964	.0158
18	SRM-1643c 103668	.0638	.0216	.0382	.0081	-.0020	.0025
19	CCV1 950713H901	2.094	4.724	2.079	.0512	.0226	.0002
20	STD1-Blank 108444	.0014	.0053	.0092	.0396	.0173	.0059
21	95-007941-HCB @2	10.97	.0932	.0957	.1536	.1074	.0520
22	95-007941-H1T @10	10.47	2.470	.0707	.1414	.0723	.0335
23	95-007941-H1T @5	20.73	4.912	.0953	.1466	.0852	.0427
24	95-007941-H1T-PS @5	25.27	4.874	4.983	.0581	.0779	.0407
25	95-007941-H1T @2	49.24	12.01	.1765	.1410	.1033	.0647
26	95-007941-H2T @10	5.429	3.072	.0696	.1602	.0795	.0363
27	95-007941-H2T @2	25.75	15.16	.1315	.1192	.0771	.0543
28	95-007942-H3 @2	2.229	.0830	.0968	.2014	.1086	.0610
29	MCVA 950728I901	1.021	.0502	2.523	.0009	.0075	2.445
30	SST-ICS-2 950908I102	47.94	.1270	.2785	-.1488	.0659	.0569
31	STD1-Blank 108444	.0063	.0044	.0106	.0437	.0215	.0104
32	I.V. U @500 PPM @10	.0068	.0328	.2031	-.2357	-.0224	.0035
33	I.V. U @500 PPM	.0269	.1619	1.740	-3.110	-.5618	-.1313
34	H.P. U @500 PPM @10	.0068	.0243	.1910	-.2392	-.0267	-.0011
35	H.P. U @500 PPM	.0254	.1337	1.751	-3.070	-.5549	-.1332
36	STD6 950830I106	.0266	.1440	1.757	-3.135	-.5819	-.1349
37	MCVA 950728I901	1.024	.0453	2.511	.0005	.0039	2.432
38	STD1-Blank 108444	-.0020	.0085	-.0064	.0053	-.0036	.0013
39	95-007942-H1 @10	.4066	.0899	.0372	.0959	.0444	.0201
40	95-007942-H1 @2	1.913	.4083	.0915	.1816	.0889	.0523
41	95-007942-H2 @10	.1775	.1102	.0282	.0664	.0300	.0174
42	95-007942-H2 @2	.8507	.4569	.0799	.1342	.0673	.0443
43	95-007943-H1 @10	.5811	.8479	.0423	.0742	.0326	.0095
44	95-007943-H1 @2	2.737	4.211	.1778	.1351	.0670	.0207
45	95-007943-H2 @10	1.077	.7585	.0523	.1032	.0505	.0105
46	95-007943-H2 @2	5.164	3.639	.1541	.1185	.0593	.0230
47	MCVA 950728I901	1.027	.0603	2.531	-.0134	-.0014	2.464
48	SST-ICS-2 950908I102	48.71	.0945	.2502	-.2102	.0376	.0406
49	STD1-Blank 108444	.0123	-.0061	.0047	.0320	.0129	.0024
50	95-007944-H1 @10	.2669	.6983	.0370	.0838	.0394	.0192
51	95-007944-H1 @2	1.237	3.275	.1015	.1794	.0857	.0492
52	95-007944-H2 @10	.2736	1.002	.0432	.1501	.0652	.0242
53	95-007944-H2 @2	1.320	5.026	.1062	.1602	.0845	.0461
54	SRM-2709-H @10	1.298	.0966	.0761	.1422	.0622	.0288
55	SRM-2709-H @2	9.109	.3960	.2374	.1940	.0967	.0799
56	MCVA 950728I901	1.037	.0401	2.528	-.0083	-.0021	2.432
57	SST-ICS-2 950908I102	48.06	.1122	.2767	-.1437	.0700	.0550
58	MCVB 950911H901	.0200	.0155	.0557	2.028	1.950	.0180
59	SRM-1643c 103668	.0653	.0494	0.0572	.1003	.0404	.0118
60	CCV1 950713H901	2.023	4.516	2.006	.0839	.0344	.0014
61	STD1-Blank 108444	.0035	.0172	.0107	.0732	.0276	.0087
62	STD1-Blank	.0469	.1288	1.32666	1.54309	1.53313	.26046
63	STD2	5.67579		55.907			
64	STD3		12.8107				
65	STD4						
66	STD5						33.5328
67	STD6						

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#	Sample Name	Ni	P	Pb	Pd	Rh	Sb
68	STD7						
69	STD8						
70	STD9				19.1247	45.0755	
71	STD1-Blank 108444	.0035	.0182	.0284	.0653	.0258	.0099
72	MCVA 950728I901	1.014	.0539	2.489	-.0307	-.0145	2.444
73	SST-ICS-2 950908I102	47.28	.1318	.2680	-.1697	.0509	.0454
74	MCVB 950911H901	.0088	-.0081	.0393	Q2.212	2.046	-.0089
75	MCVB 950911H901	.0090	.0220	.0602	2.158	1.998	.0064
76	SRM-1643c 103668	.0590	.0084	Q.0260	-.0447	-.0206	-.0161
77	CCV1 950713H901	2.043	4.707	2.017	.0023	-.0011	-.0119
78	STD1-Blank 108444	.0008	.0092	.0082	.0259	.0040	-.0076
79	95-007945-H3 @2	4.667	.0868	.0912	.2002	.0903	.0444
80	95-007945-H1 @10	1.974	1.622	.1306	.0336	.0180	.0050
81	95-007945-H1 @5	3.897	3.244	.2536	.0509	.0405	.0215
82	95-007945-H1-PS @5	8.626	3.173	5.171	-.0282	.0471	.0265
83	95-007945-H1 @2	9.047	7.676	.5789	.1003	.0866	.0460
84	95-007945-H2 @10	1.316	1.647	.1640	.0564	.0293	.0170
85	95-007945-H2 @2	5.842	7.575	.6771	.1746	.1259	.0623
86	95-007946-HCB @2	62.06	.1734	.1601	.4464	.1997	.0899
87	MCVA 950728I901	1.025	.0854	2.492	.1186	.0565	2.378
88	MCVA 950728I901	1.049	.0805	2.589	.0156	.0135	2.508
89	SST-ICS-2 950908I102	47.82	.1484	.3039	-.0863	.1070	.0663
90	STD1-Blank 108444	.0026	.0277	.0027	.0051	-.0037	-.0093
91	95-007946-H1T @10	16.84	2.029	.1457	.0759	.0591	.0319
92	95-007946-H1T @2	80.41	10.07	.5714	-.0124	.1149	.0677
93	95-007946-H2T @10	15.92	2.907	.1253	.1041	.0617	.0296
94	95-007946-H2T @2	74.89	13.96	.4472	.0739	.1335	.0733
95	95-007947-H1 @10	.7258	2.800	.1357	.0584	.0351	.0147
96	95-007947-H1 @2	3.352	13.41	.5701	.1001	.0946	.0581
97	95-007947-H2 @10	.8248	3.825	.1945	.0445	.0308	.0157
98	95-007947-H2 @2	3.725	17.79	.8129	.0639	.1049	.0606
99	MCVA 950728I901	1.045	.0421	2.545	-.0624	-.0260	2.547
100	SST-ICS-2 950908I102	49.51	.0696	.2534	-.2521	.0342	.0407
101	STD1-Blank 108444	.0030	-.0010	-.0064	-.0340	-.0198	-.0030
102	95-007948-H1 @10	.4786	2.734	.1644	.0011	.0095	.0119
103	95-007948-H1 @2	2.216	13.27	.7626	.0246	.0698	.0503
104	95-007948-H2 @10	.5469	2.467	.1781	.0990	.0534	.0229
105	95-007948-N2 @2	2.657	12.19	.7130	.0586	.0826	.0490
106	SRM-2709-H @10	1.973	.1123	.0892	.1339	.0612	.0318
107	SRM-2709-H @2	8.767	.4578	.2905	.3293	.1612	.1036
108	MCVA 950728I901	1.053	.0832	2.596	-.0172	-.0032	2.525
109	SST-ICS-2 950908I102	48.05	.1267	.2719	-.1788	.0662	.0561
110	MCVB 950911H901	.0113	-.0045	.0495	Q2.223	2.045	-.0018
111	MCVB 950911H901	.0070	-.0063	.0417	Q2.201	2.030	-.0010
112	SRM-1643c 103668	.0592	.0134	Q.0234	-.0412	-.0198	-.0156
113	CCV1 950713H901	2.049	4.665	2.029	.0017	-.0004	-.0052
114	STD1-Blank 108444	.0006	.0034	-.0078	-.0313	-.0180	-.0097

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#	Sample Name	Se	Si	Sn	Sr	Te	Th
1	SPC-BLK 108444	1507.33	3737.33	6673.67	140	9662.67	2298.33
2	SPC-BLK 108444	.0137	.0122	.1351	.0001	.0166	.0066
3	SPC-STD 950831I101	1526.67	3809.33	6772.33	140.333	10377.3	2311.33
4	SPC-STD 950831I101	.0237	.0285	.1498	.0001	.0143	.0102
5	STD1-Blank	.15066	.37286	.669	.01403	.97189	.23143
6	STD2				8.35353		
7	STD3						
8	STD4						
9	STD5						11.9599
10	STD6						
11	STD7		77.1799			54.9473	
12	STD8	3.8621					
13	STD9			8.45059			
14	STD1-Blank 108444	.0044	.0968	.0335	.0004	.0053	-.0010
15	MCVA 950728I901	2.485	18.56	-.0748	.5107	-.0047	.0365
16	SST-ICS-2 950908I102	.0913	.1495	.4028	.0010	.0678	.6034
17	MCVB 950911H901	.0152	.0925	2.063	.0006	1.801	4.917
18	SRM-1643c 103668	.0114	.0531	-.0051	.2619	.0005	-.0112
19	CCV1 950713H901	1.956	4.945	.0822	2.012	-.0029	.0023
20	STD1-Blank 108444	.0100	.0184	.0445	.0006	.0067	-.0008
21	95-007941-HCB @2	.0685	.9052	.3397	.0028	.0675	.0205
22	95-007941-H1T @10	.0375	.7408	.2570	.0036	.0412	.0103
23	95-007941-H1T @5	.0579	1.455	.2825	.0064	.0500	.0170
24	95-007941-H1T-PS @5	.0565	10.83	.3585	.0062	.0555	.2330
25	95-007941-H1T @2	.0819	3.476	.3750	.0137	.0657	.0336
26	95-007941-H2T @10	.0463	.5420	.2723	.0032	.0447	.0175
27	95-007941-H2T @2	.0586	2.534	.2883	.0112	.0530	.0216
28	95-007942-H3 @2	.0761	.2922	.3970	.0042	.0740	.0179
29	MCVA 950728I901	2.427	18.15	-.0527	.4981	.0026	.0429
30	SST-ICS-2 950908I102	.0995	.1018	.4001	.0010	.0656	.6330
31	STD1-Blank 108444	.0124	.0052	.0553	.0005	.0074	-.0002
32	I.V. U @500 PPM @10	.0055	.0102	.1833	.0003	.0113	.5430
33	I.V. U @500 PPM	-.0396	-.0610	.6900	-.0029	-.0732	5.199
34	H.P. U @500 PPM @10	.0083	.0046	.1789	.0003	.0017	.5410
35	H.P. U @500 PPM	-.0272	-.0637	.7246	-.0029	-.0731	5.192
36	STD6 950830I106	-.0435	-.0805	.6405	-.0032	-.0846	5.204
37	MCVA 950728I901	2.423	18.07	-.0750	.4973	.0014	.0423
38	STD1-Blank 108444	.0041	-.0045	-.0030	.0003	-.0016	-.0064
39	95-007942-H1 @10	.0195	.0913	.1523	.0013	.0262	.0003
40	95-007942-H1 @2	.0490	.4117	.2886	.0042	.0585	.0144
41	95-007942-H2 @10	.0229	.1276	.0990	.0011	.0158	-.0035
42	95-007942-H2 @2	.0442	.5947	.2318	.0042	.0535	.0108
43	95-007943-H1 @10	.0252	.4132	.1150	.0055	.0140	-.0006
44	95-007943-H1 @2	.0587	1.989	.2535	.0247	.0350	.0118
45	95-007943-H2 @10	.0338	.3864	.1631	.0049	.0189	-.0000
46	95-007943-H2 @2	.0555	1.877	.2130	.0217	.0271	.0096
47	MCVA 950728I901	2.439	18.29	-.1086	.5046	-.0096	.0396
48	SST-ICS-2 950908I102	.0739	.0891	.2676	.0007	.0537	.6268
49	STD1-Blank 108444	-.0031	.0000	.0175	.0004	.0023	-.0025
50	95-007944-H1 @10	.0250	.2496	.1300	.0218	.0217	.0038
51	95-007944-H1 @2	.0696	1.173	.2964	.0979	.0568	.0117
52	95-007944-H2 @10	.0281	.2333	.2058	.0297	.0357	.0009
53	95-007944-H2 @2	.0579	1.124	.2908	.1427	.0540	.0140

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#	Sample Name	Se	Si	Sn	Sr	Te	Th
54	SRM-2709-H @10	.0393	26.67	.1875	.0219	.0330	.0075
55	SRM-2709-H @2	.1052	131.8	.3082	.1017	.0785	.0360
56	MCVA 950728I901	2.448	18.23	-.0999	.5035	-.0061	.0400
57	SST-ICS-2 950908I102	.0947	.1001	.4042	.0011	.0665	.6368
58	MCVB 950911H901	.0294	.0603	2.050	.0007	Q1.777	4.878
59	SRM-1643c 103668	Q.0331	.0336	.1047	Q.2468	.0156	-.0077
60	CCV1 950713H901	1.905	4.772	.0893	1.941	-.0015	.0038
61	STD1-Blank 108444	.0159	.0052	.0774	.0008	.0083	-.0008
62	STD1-Blank	.15393	.3725	.68256	.0146	.98409	.23426
63	STD2				7.92563		
64	STD3						
65	STD4						10.9155
66	STD5						
67	STD6						
68	STD7		71.4301			50.294	
69	STD8	3.53003					
70	STD9			7.83423			
71	STD1-Blank 108444	-.0032	.4247	.0778	.0004	.0142	.0066
72	MCVA 950728I901	2.467	18.52	-.1198	.4959	-.0096	.0457
73	SST-ICS-2 950908I102	.0641	.1895	.3463	.0006	.0530	.6691
74	MCVB 950911H901	-.0026	.1122	2.028	.0003	1.818	5.051
75	MCVB 950911H901	.0116	.1066	2.030	.0005	Q1.764	4.885
76	SRM-1643c 103668	Q-.0003	.0577	-.0993	Q.2597	-.0146	-.0076
77	CCV1 950713H901	1.971	4.994	-.0245	1.994	-.0202	.0014
78	STD1-Blank 108444	-.0036	.0266	.0109	.0004	.0008	-.0067
79	95-007945-H3 @2	.0535	.2858	.3227	.0032	.0639	.0170
80	95-007945-H1 @10	.0019	.3532	.0666	1.479	.0184	.0442
81	95-007945-H1 @5	.0289	.6825	.1463	2.917	.0319	.1002
82	95-007945-H1-PS @5	.0422	10.35	.2508	2.830	.0331	.3385
83	95-007945-H1 @2	.0732	1.577	.3173	6.725	.0733	.2242
84	95-007945-H2 @10	.0154	.6262	.1171	1.730	.0210	.0534
85	95-007945-H2 @2	.0848	2.752	.4473	7.472	.0955	.2535
86	95-007946-HCB @2	.0982	.4663	.5822	.0088	.1184	.0481
87	MCVA 950728I901	2.400	Q17.62	.1175	.4764	.0269	.0485
88	MCVA 950728I901	2.545	19.15	-.0023	.5114	.0045	.0509
89	SST-ICS-2 950908I102	.1063	.3260	.5174	.0016	.0925	.7001
90	STD1-Blank 108444	-.0138	.0822	-.0167	.0006	-.0051	.0011
91	95-007946-H1T @10	.0346	.4715	.1862	2.859	.0397	.1007
92	95-007946-H1T @2	.0875	2.101	.4260	13.72	.0985	.4451
93	95-007946-H2T @10	.0211	.4971	.1969	1.985	.0393	.0703
94	95-007946-H2T @2	.0908	2.248	.4706	9.288	.0994	.3490
95	95-007947-H1 @10	.0194	.2722	.0934	.1314	.0251	.0637
96	95-007947-H1 @2	.0826	1.184	.3564	.5904	.0855	.3157
97	95-007947-H2 @10	.0279	.3384	.1197	.1819	.0242	.1003
98	95-007947-H2 @2	.1099	1.477	.4423	.7925	.1021	.4583
99	MCVA 9507281901	2.555	19.01	-.1340	.5372	-.0149	.0475
100	SST-ICS-2 950908I102	.0796	.1040	.2949	.0012	.0496	.7098
101	STD1-Blank 108444	-.0146	.0196	-.0550	.0006	-.0082	.0029
102	95-007948-H1 @10	.0182	.2804	.0381	.1588	.0095	.0743
103	95-007948-H1 @2	.0851	1.268	.3065	.7174	.0786	.3647
104	95-007948-H2 @10	.0325	.2751	.1620	.1352	.0333	.0699
105	95-007948-N2 @2	.0956	1.203	.3433	.6445	.0784	.3334
106	SRM-2709-H @10	.0409	28.10	.1807	.0240	.0413	.0118
107	SRM-2709-H @2	.1179	127.8	.4988	.1002	.1157	.0405

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#	Sample Name	Se	Si	Sn	Sr	Te	Th
108	MCVA 950728I901	2.567	18.87	-.0625	.5292	-.0018	.0510
109	SST-ICS-2 950908I102	.0915	.1173	.4095	.0014	.0627	.6997
110	MCVB 950911H901	.0028	.0663	2.012	.0009	Q1.793	4.992
111	MCVB 950911H901	.0066	.0647	2.005	.0009	Q1.795	4.994
112	SRM-1643c 103668	Q.0035	.0263	-.1003	Q.2701	-.0052	-.0050
113	CCV1 950713H901	1.965	4.969	-.0255	2.070	-.0180	.0040
114	STD1-Blank 108444	-.0106	.0052	-.0507	.0008	-.0149	.0005

#	Sample Name	Ti	Tl	U	V	W	Y
1	SPC-BLK 108444	635.667	339.667	16883.7	958.333	304	249.667
2	SPC-BLK 108444	.0024	.0007	.5465	.0047	.0083	.0020
3	SPC-STD 950831I101	642	371.667	16937.7	963.333	312.333	250.333
4	SPC-STD 950831I101	.0032	.0542	.5825	.0055	.0076	.0021
5	STD1-Blank	.0639	.03443	1.69939	.09616	.0304	.02506
6	STD2	14.911					
7	STD3						
8	STD4						
9	STD5				12.2741		3.22526
10	STD6			51.006			
11	STD7						
12	STD8		1.18616				
13	STD9					3.2762	
14	STD1-Blank 108444	.0003	-.0122	.0978	.0005	.0075	.0004
15	MCVA 950728I901	.9908	2.491	-.0078	.9817	.0251	.0001
16	SST-ICS-2 950908I102	.0064	.2488	44.81	.0124	.0733	.0072
17	MCVB 950911H901	.0017	.0033	Q8.676	-.0001	Q.4954	.9584
18	SRM-1643c 103668	.0081	.0116	.2261	.0279	.0119	-.0014
19	CCV1 950713H901	.0013	1.947	.2028	.9569	.0153	.0012
20	STD1-Blank 108444	.0007	-.0019	.1352	.0010	.0094	.0006
21	95-007941-HCB @2	.1096	.0399	.8501	.0091	.0389	.0036
22	95-007941-H1T @10	.0403	.0492	.7399	.0106	.0314	.0032
23	95-007941-H1T @5	.0772	.0823	.8753	.0158	.0409	.0035
24	95-007941-H1T-PS @5	.0768	.1119	18.70	.0180	.0459	.0048
25	95-007941-H1T @2	.1797	.1907	.9739	.0287	.0758	.0033
26	95-007941-H2T @10	.0225	.0476	.8214	.0110	.0264	.0034
27	95-007941-H2T @2	.0930	.1802	.7143	.0245	.0532	.0026
28	95-007942-H3 @2	.0150	.0385	1.153	.0111	.0392	.0048
29	MCVA 950728I901	.9672	2.448	.0851	.9568	.0271	.0005
30	SST-ICS-2 950908I102	.0065	.2476	44.59	.0126	.0688	.0071
31	STD1-Blank 108444	.0009	-.0001	.1628	.0014	.0051	.0008
32	I.V. U @500 PPM @10	.0032	.0083	48.04	.0044	-.0078	.0040
33	I.V. U @500 PPM	.0134	-.0246	470.3	.0133	-.1185	.0201
34	H.P. U @500 PPM @10	.0032	.0068	47.50	.0031	-.0060	.0036
35	H.P. U @500 PPM	.0137	-.0093	469.7	.0131	-.0970	.0201
36	STD6 950830I106	.0123	-.0183	477.1	.0097	-.1018	.0191
37	MCVA 950728I901	.9651	2.461	.1267	.9536	.0226	.0005
38	STD1-Blank 108444	-.0002	-.0081	-.0815	-.0008	.0033	-.0001
39	95-007942-H1 @10	.0041	.0180	.4126	.0038	.0136	.0021
40	95-007942-H1 @2	.0129	.0498	.9273	.0089	.0359	.0041
41	95-007942-H2 @10	.0038	.0154	.2810	.0027	.0130	.0015
42	95-007942-H2 @2	.0144	.0359	.7014	.0078	.0326	.0031
43	95-007943-H1 @10	.0091	.0616	.3864	.0038	.0216	.0014

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#	Sample Name	Ti	Tl	U	V	W	Y
44	95-007943-H1 @2	.0390	.2716	.9022	.0113	.0757	.0028
45	95-007943-H2 @10	.0091	.0671	.5903	.0048	.0314	.0023
46	95-007943-H2 @2	.0356	.2589	.7736	.0096	.0686	.0026
47	MCVA 950728I901	.9766	2.526	-.0641	.9634	.0210	-.0003
48	SST-ICS-2 950908I102	.0052	.2455	45.48	.0096	.0646	.0060
49	STD1-Blank 108444	.0005	-.0032	.0778	.0004	.0017	.0004
50	95-007944-H1 @10	.0058	.0251	.3952	.0042	.0350	.0016
51	95-007944-H1 @2	.0228	.0853	1.144	.0132	.1494	.0039
52	95-007944-H2 @10	.0064	.0322	.7540	.0072	.0502	.0031
53	95-007944-H2 @2	.0198	.0791	1.203	.0155	.1889	.0038
54	SRM-2709-H @10	.2828	.0337	.7103	.0156	.0315	.0043
55	SRM-2709-H @2	1.353	.1394	1.055	.0573	.0587	.0113
56	MCVA 950728I901	.9773	2.495	-.0058	.9636	.0277	.0003
57	SST-ICS-2 950908I102	.0066	.2484	44.37	.0130	.0716	.0074
58	MCVB 950911H901	.0021	.0103	@8.493	.0002	@.4906	.9357
59	SRM-1643c 103668	.0099	@.0279	.6697	.0302	.0146	.0004
60	CCV1 950713H901	.0021	1.913	.3705	.9214	.0141	.0016
61	STD1-Blank 108444	.0014	.0044	.3156	.0022	.0136	.0014
62	STD1-Blank	.06533	.03489	1.73646	.09789	.03073	.02566
63	STD2	13.9653					
64	STD3						
65	STD4						
66	STD5				11.1975		2.87503
67	STD6			46.6352			
68	STD7						
69	STD8		1.09969				
70	STD9					2.93289	
71	STD1-Blank 108444	.0013	-.0092	.2516	.0022	.0096	.0010
72	MCVA 950728I901	.9624	2.483	-.0878	.9708	.0236	-.0007
73	SST-ICS-2 950908I102	.0046	.2323	45.57	.0106	.0847	.0068
74	MCVB 950911H901	.0004	.0024	@8.369	-.0019	@.5092	.9770
75	MCVB 950911H901	.0013	-.0013	@8.347	.0001	@.5028	.9420
76	SRM-1643c 103668	.0073	@-.0025	-.0841	@.0259	.0055	-.0028
77	CCV1 950713H901	.0003	1.975	-.0113	.9616	.0098	-.0003
78	STD1-Blank 108444	.0001	-.0002	.0428	-.0002	.0022	.0002
79	95-007945-H3 @2	.0134	.0374	1.034	.0096	.0297	.0039
80	95-007945-H1 @10	.0078	.0120	3.753	.0028	.0220	.0018
81	95-007945-H1 @5	.0149	.0252	7.375	.0054	.0384	.0036
82	95-007945-H1-PS @5	.0164	.0614	25.74	.0086	.0511	.0055
83	95-007945-H1 @2	.0345	.0559	16.67	.0126	.0896	.0077
84	95-007945-H2 @10	.0075	.0154	4.391	.0040	.0210	.0020
85	95-007945-H2 @2	.0328	.0683	18.52	.0158	.0914	.0098
86	95-007946-HCB @2	.1551	.0560	1.957	.0168	.1000	.0070
87	MCVA 950728I901	.9157	2.402	.7736	.9333	.0489	.0027
88	MCVA 950728I901	.9766	2.550	.2388	.9900	.0385	.0007
89	SST-ICS-2 950908I102	.0073	.2615	44.98	.0170	.0994	.0091
90	STD1-Blank 108444	-.0001	-.0058	-.0382	-.0001	.0042	-.0004
91	95-007946-H1T @10	.0514	.0144	6.946	.0056	.0364	.0033
92	95-007946-H1T @2	.2396	.0786	30.97	.0140	.1247	.0096
93	95-007946-H2T @10	.0449	.0233	5.378	.0062	.0477	.0032
94	95-007946-H2T @2	.2044	.0739	23.09	.0142	.1123	.0086
95	95-007947-H1 @10	.0074	.0197	5.099	.0042	.0240	.0029
96	95-007947-H1 @2	.0314	.0616	22.26	.0151	.0569	.0112
97	95-007947-H2 @10	.0097	.0178	7.547	.0050	.0191	.0039

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#	Sample Name	Ti	Tl	U	V	W	Y
98	95-007947-H2 @2	.0405	.0700	32.06	.0182	.0708	.0151
99	MCVA 950728I901	.9962	2.577	-.2246	1.005	.0217	-.0012
100	SST-ICS-2 950908I102	.0038	.2489	47.43	.0095	.0716	.0063
101	STD1-Blank 108444	-.0009	-.0114	-.2964	-.0015	.0014	-.0012
102	95-007948-H1 @10	.0078	.0073	5.610	.0023	.0087	.0020
103	95-007948-H1 @2	.0373	.0617	25.44	.0131	.0553	.0117
104	95-007948-H2 @10	.0092	.0112	5.185	.0062	.0253	.0039
105	95-007948-N2 @2	.0364	.0571	22.62	.0139	.0605	.0111
106	SRM-2709-H @10	.2934	.0397	.6771	.0165	.0263	.0041
107	SRM-2709-H @2	1.288	.1509	1.845	.0624	.0813	.0140
108	MCVA 950728I901	.9939	2.570	-.0226	1.006	.0340	-.0001
109	SST-ICS-2 950908I102	.0053	.2425	45.67	.0127	.0866	.0074
110	MCVB 950911H901	.0003	-.0028	Q8.286	-.0021	Q.4924	.9624
111	MCVB 950911H901	.0003	-.0166	Q8.218	-.0018	Q.5207	.9596
112	SRM-1643c 103668	.0070	Q-.0014	-.0684	Q.0265	.0061	-.0026
113	CCV1 950713H901	-.0001	1.958	-.0298	.9622	.0110	-.0002
114	STD1-Blank 108444	-.0011	-.0064	-.2326	-.0016	.0007	-.0009

#	Sample Name	Zn	Zr
1	SPC-BLK 108444	332.333	789
2	SPC-BLK 108444	.0007	.0036
3	SPC-STD 950831I101	148878	792.667
4	SPC-STD 950831I101	9.907	.0040
5	STD1-Blank	.03316	.07926
6	STD2	28.7869	25.3197
7	STD3		
8	STD4		
9	STD5		
10	STD6		
11	STD7		
12	STD8		
13	STD9		
14	STD1-Blank 108444	-.0006	.0003
15	MCVA 950728I901	.9992	2.029
16	SST-ICS-2 950908I102	-.0214	9.397
17	MCVB 950911H901	.0022	.0010
18	SRM-1643c 103668	.0867	-.0004
19	CCV1 950713H901	1.023	.0007
20	STD1-Blank 108444	.0000	.0007
21	95-007941-HCB @2	.0086	.0666
22	95-007941-H1T @10	.0008	.0219
23	95-007941-H1T @5	.0030	.0392
24	95-007941-H1T-PS @5	-.0001	.4995
25	95-007941-H1T @2	.0076	.0872
26	95-007941-H2T @10	.0038	.0237
27	95-007941-H2T @2	.0194	.0958
28	95-007942-H3 @2	.0461	.0086
29	MCVA 950728I901	.9838	1.978
30	SST-ICS-2 950908I102	-.0217	9.340
31	STD1-Blank 108444	-.0005	.0021
32	I.V. U @500 PPM @10	.0002	-.0354
33	I.V. U @500 PPM	.0019	-.3700

#	Sample Name	Zn	Zr
34	H.P. U @500 PPM @10	-.0001	-.0360
35	H.P. U @500 PPM	.0023	-.3683
36	STD6 950830I106	.0006	-.3714
37	MCVA 950728I901	.9802	1.978
38	STD1-Blank 108444	-.0004	-.0005
39	95-007942-H1 @10	.0049	.0033
40	95-007942-H1 @2	.0407	.0070
41	95-007942-H2 @10	.0244	.0025
42	95-007942-H2 @2	.1384	.0060
43	95-007943-H1 @10	.0127	.0028
44	95-007943-H1 @2	.0844	.0058
45	95-007943-H2 @10	.0114	.0043
46	95-007943-H2 @2	.0800	.0052
47	MCVA 950728I901	.9962	2.000
48	SST-ICS-2 950908I102	-.0240	9.559
49	STD1-Blank 108444	-.0008	.0027
50	95-007944-H1 @10	.0110	.0039
51	95-007944-H1 @2	.0624	.0084
52	95-007944-H2 @10	.0120	.0058
53	95-007944-H2 @2	.0696	.0074
54	SRM-2709-H @10	.0190	.0133
55	SRM-2709-H @2	.1024	.0477
56	MCVA 950728I901	.9951	2.004
57	SST-ICS-2 950908I102	-.0236	9.328
58	MCVB 950911H901	.0010	.0008
59	SRM-1643c 103668	0.0848	.0035
60	CCV1 950713H901	1.005	.0023
61	STD1-Blank 108444	.0006	.0023
62	STD1-Blank	.03316	.08103
63	STD2	27.9831	23.7606
64	STD3		
65	STD4		
66	STD5		
67	STD6		
68	STD7		
69	STD8		
70	STD9		
71	STD1-Blank 108444	.0005	.0008
72	MCVA 950728I901	.9687	1.970
73	SST-ICS-2 950908I102	-.0279	9.312
74	MCVB 950911H901	.0019	-.0168
75	MCVB 950911H901	.0017	-.0181
76	SRM-1643c 103668	0.0851	-.0024
77	CCV1 950713H901	1.002	-.0013
78	STD1-Blank 108444	.0006	.0000
79	95-007945-H3 @2	.0771	.0066
80	95-007945-H1 @10	.0328	.0008
81	95-007945-H1 @5	.0754	.0008
82	95-007945-H1-PS @5	.0629	.4595
83	95-007945-H1 @2	.1600	.0052
84	95-007945-H2 @10	.0290	.0014
85	95-007945-H2 @2	.1334	.0063
86	95-007946-HCB @2	-.0287	.0152
87	MCVA 950728I901	.9430	1.871

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#	Sample Name	Zn	Zr
88	MCVA 950728I901	.9924	1.997
89	SST-ICS-2 950908I102	-.0255	9.225
90	STD1-Blank 108444	.0004	-.0001
91	95-007946-H1T @10	.0061	.0051
92	95-007946-H1T @2	.0315	.0167
93	95-007946-H2T @10	.0017	.0035
94	95-007946-H2T @2	.0112	.0013
95	95-007947-H1 @10	.0402	.0007
96	95-007947-H1 @2	.1929	-.0003
97	95-007947-H2 @10	.0488	.0006
98	95-007947-H2 @2	.2239	-.0009
99	MCVA 950728I901	1.004	2.044
100	SST-ICS-2 950908I102	-.0289	9.749
101	STD1-Blank 108444	.0001	-.0018
102	95-007948-H1 @10	.0409	-.0013
103	95-007948-H1 @2	.1959	-.0047
104	95-007948-H2 @10	.0321	.0017
105	95-007948-N2 @2	.1613	-.0053
106	SRM-2709-H @10	.0190	.0131
107	SRM-2709-H @2	.0894	.0510
108	MCVA 950728I901	1.007	2.034
109	SST-ICS-2 950908I102	-.0267	9.340
110	MCVB 950911H901	.0016	-.0157
111	MCVB 950911H901	.0009	-.0190
112	SRM-1643c 103668	0.0858	-.0024
113	CCV1 950713H901	1.009	-.0011
114	STD1-Blank 108444	-.0002	-.0020

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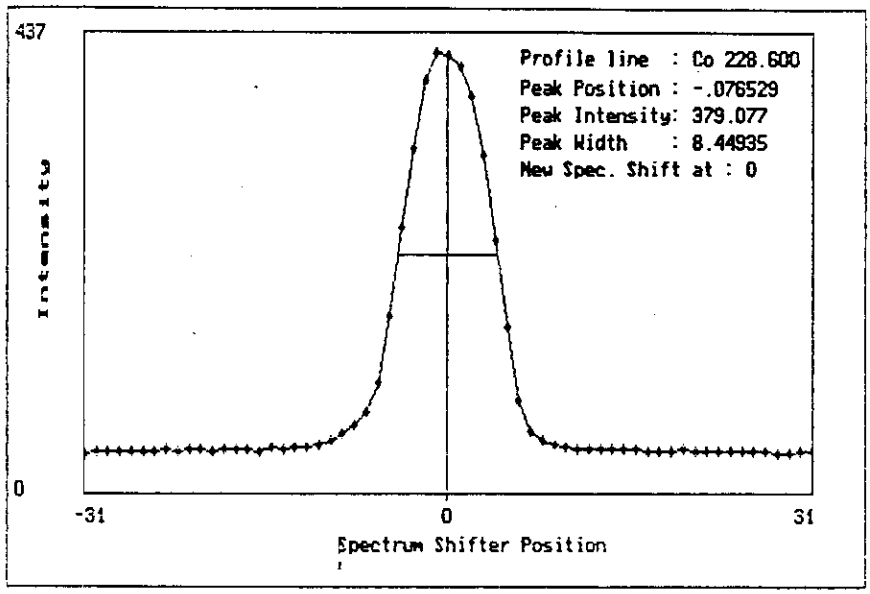

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Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/13/95 09:04:30
Comment: SPC-BLK FOR Mn/CU RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	6416	2048	1619	1028	301	169	1415
SDev	10	6	27	24	1	0	6
%RSD	.1592	.2690	1.687	2.298	.1920	.0000	.3893
#1	6409	2054	1600	1010	301	169	1412
#2	6412	2045	1606	1020	300	169	1421
#3	6428	2044	1650	1055	301	169	1411

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1233	433	6156	1389	456	448	1901
SDev	2	8	26	2	18	1	2
%RSD	.1239	1.966	.4225	.1100	3.947	.1288	.1215
#1	1232	441	6130	1389	444	448	1900
#2	1235	424	6182	1387	477	448	1900
#3	1233	433	6155	1390	448	449	1904

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	331	548	2132	971	411	2319	192
SDev	1	1	4	3	4	8	1
%RSD	.1743	.1825	.1776	.2593	.9732	.3485	.6004
#1	331	547	2130	971	407	2310	191
#2	331	548	2129	968	415	2324	193
#3	332	549	2136	973	411	2324	193

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	784	402	3600	468	1276	13120	14960
SDev	6	4	3	9	20	49	17
%RSD	.7367	1.037	.0699	1.917	1.565	.3720	.1143
#1	777	405	3598	463	1299	13080	14950
#2	787	403	3603	462	1263	13170	14950
#3	787	397	3600	478	1266	13120	14980

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	14890	2553	1507	3737	6674	140	9663
SDev	10	23	11	10	32	0	25
%RSD	.0676	.9161	.7338	.2693	.4842	.0000	.2565
#1	14890	2580	1497	3736	6682	140	9691
#2	14880	2540	1506	3728	6638	140	9645
#3	14900	2539	1519	3748	6701	140	9652

Elem	Th	Ti	Tl	U	V	W	Y
Avge	2298	636	340	16880	958	304	250
SDev	15	3	2	44	2	7	1
%RSD	.6340	.3959	.6129	.2602	.1594	2.303	.4625
#1	2310	633	342	16850	957	297	249
#2	2282	636	339	16860	958	311	249
#3	2303	638	338	16930	960	304	251

Elem	Zn	Zr
Avge	332	789
SDev	12	2
%RSD	3.513	.2535
#1	330	787
#2	322	789
#3	345	791

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Method: ICP1 Sample Name: SPC-BLK 108444 Operator: DRS
Run Time: 09/13/95 09:04:30
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	.0053	.0176	.0065	-.0028	.0012	.0001	.0157
SDev	.0002	.0039	.0099	.0022	.0001	.0000	.0021
%RSD	3.996	22.31	152.0	78.28	6.000	4.903	13.07
#1	.0052	.0218	-.0002	-.0045	.0012	.0001	.0148
#2	.0052	.0171	.0019	-.0036	.0011	.0001	.0181
#3	.0055	.0140	.0178	-.0003	.0012	.0001	.0143

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0051	.0017	.0389	.0036	-.0003	.0017	.0041
SDev	.0005	.0009	.0052	.0002	.0028	.0001	.0002
%RSD	9.745	51.45	13.27	4.648	866.2	8.177	4.455
#1	.0048	.0026	.0340	.0037	-.0023	.0016	.0040
#2	.0057	.0009	.0442	.0035	.0029	.0016	.0040
#3	.0048	.0016	.0384	.0038	-.0017	.0019	.0044

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0033	1.380	.0072	.0041	.0147	.0006
SDev	.0001	.0002	.062	.0007	.0014	.0038	.0001
%RSD	6.189	6.301	4.489	10.31	33.37	25.60	23.12
#1	.0013	.0030	1.353	.0074	.0027	.0106	.0005
#2	.0013	.0033	1.337	.0064	.0054	.0179	.0007
#3	.0015	.0034	1.451	.0079	.0041	.0157	.0007

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	-.1191	.0319	.0037	.0264	.0387	.0749
SDev	.0009	.0183	.0008	.0029	.0148	.0042	.0043
%RSD	47.10	15.35	2.379	79.56	56.18	10.71	5.746
#1	.0009	-.1044	.0314	.0022	.0435	.0349	.0700
#2	.0026	-.1133	.0328	.0018	.0167	.0431	.0768
#3	.0026	-.1396	.0316	.0071	.0190	.0382	.0779

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0389	.0094	.0137	.0122	.1351	.0001	.0166
SDev	.0007	.0066	.0057	.0024	.0207	.0000	.0023
%RSD	1.728	69.74	41.29	19.39	15.28	3.510	13.73
#1	.0389	.0170	.0085	.0128	.1422	.0001	.0193
#2	.0382	.0058	.0129	.0096	.1119	.0001	.0151
#3	.0396	.0055	.0197	.0141	.1513	.0001	.0155

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	.0024	.0007	.5465	.0047	.0083	.0020
SDev	.0064	.0003	.0040	.0445	.0002	.0109	.0003

%RSD	98.05	12.53	609.7	8.146	4.080	130.8	17.41
#1	.0132	.0021	.0052	.5138	.0045	-.0025	.0018
#2	.0004	.0025	-.0010	.5286	.0047	.0193	.0018
#3	.0061	.0027	-.0022	.5972	.0049	.0083	.0024

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0007	.0036
SDev	.0008	.0007
%RSD	110.3	20.23
#1	.0005	.0028
#2	.0000	.0041
#3	.0015	.0040

Analysis Report Wed 09-13-95 09:09:04 AM Page 1

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/13/95 09:07:46
Comment: SPC-STD FOR Mn/CU RATIO
Mode: INT Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	6509	2077	1693	1089	301	169	1656
SDev	48	8	31	20	2	1	21
%RSD	.7298	.3760	1.812	1.806	.6908	.3410	1.244
#1	6461	2068	1689	1068	299	169	1658
#2	6556	2082	1664	1107	303	170	1675
#3	6509	2081	1725	1092	302	169	1634

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	1215	451	6181	1397	475	23910	2143
SDev	8	16	41	9	8	150	6
%RSD	.6179	3.464	.6570	.6240	1.607	.6283	.3000
#1	1207	441	6154	1387	482	24060	2136
#2	1222	443	6228	1403	477	23760	2148
#3	1215	469	6162	1401	467	23920	2146

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	332	604	2141	975	29340	2431	72520
SDev	2	2	13	7	590	25	130
%RSD	.6276	.3311	.5852	.7179	2.012	1.031	.1786
#1	330	604	2129	968	29990	2407	72650
#2	334	606	2154	982	28850	2457	72390
#3	331	602	2140	975	29170	2429	72520

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	811	409	3629	465	1426	135900	15050
SDev	3	4	29	3	12	165	82
%RSD	.3765	.8594	.7863	.7450	.8502	.1215	.5442
#1	812	405	3600	467	1415	135700	14980
#2	808	412	3657	461	1424	135800	15140
#3	814	409	3631	467	1439	136000	15040

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	14950	2641	1527	3809	6772	140	10380
SDev	101	47	14	21	40	1	41
%RSD	.6776	1.796	.9084	.5408	.5836	.4114	.3938
#1	14860	2590	1523	3790	6739	140	10340
#2	15060	2684	1515	3831	6816	141	10420
#3	14920	2648	1542	3807	6762	140	10370

Elem	Th	Ti	Tl	U	V	W	Y
Avge	2311	642	372	16940	963	312	250
SDev	20	4	6	122	6	4	1
%RSD	.8828	.5616	1.622	.7185	.6674	1.294	.4613
#1	2289	638	366	16810	956	316	249
#2	2329	645	378	17050	968	308	251
#3	2316	643	371	16960	966	313	251

Elem	Zn	Zr
Avge	148900	793
SDev	546	5
%RSD	.3667	.5962
#1	149200	789
#2	148200	798
#3	149200	791

Analysis Report Wed 09-13-95 09:11:11 AM page

Method: ICP1 Sample Name: SPC-STD 950831I101 Operator: DRS
Run Time: 09/13/95 09:07:46
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	.0082	.0144	.0334	.0029	.0012	.0001	-.0002
SDev	.0012	.0019	.0113	.0018	.0003	.0000	.0078
%RSD	14.75	13.50	33.90	60.40	20.15	19.26	3534.
#1	.0071	.0124	.0325	.0010	.0010	.0001	.0002
#2	.0095	.0146	.0225	.0045	.0014	.0001	.0074
#3	.0082	.0163	.0451	.0032	.0013	.0001	-.0083

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0033	.0437	.0046	.0027	10.43	.0016
SDev	.0020	.0015	.0075	.0009	.0012	.07	.0005
%RSD	232.2	45.03	17.17	20.56	45.52	.6433	31.11
#1	-.0029	.0023	.0391	.0035	.0037	10.49	.0010
#2	.0011	.0026	.0524	.0052	.0029	10.36	.0020
#3	-.0008	.0050	.0397	.0050	.0014	10.43	.0019

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0030	1.533	.0085	9.812	.0299	10.01
SDev	.0003	.0005	.205	.0020	.200	.0101	.02
%RSD	21.56	16.83	13.38	23.30	2.040	33.89	.1795
#1	.0012	.0032	1.337	.0065	10.03	.0208	10.03
#2	.0018	.0034	1.746	.0105	9.647	.0408	9.991
#3	.0013	.0025	1.517	.0084	9.754	.0280	10.01

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0886	.0404	.0028	.0089	10.60	.0933
SDev	.0005	.0152	.0079	.0012	.0090	.01	.0139
%RSD	66.52	17.15	19.54	42.82	101.0	.1340	14.87
#1	.0009	-.1044	.0323	.0035	.0003	10.59	.0824
#2	.0002	-.0741	.0481	.0014	.0082	10.60	.1089
#3	.0012	-.0871	.0408	.0034	.0182	10.62	.0886

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0445	.0334	.0237	.0285	.1498	.0001	.0143
SDev	.0094	.0129	.0073	.0039	.0225	.0001	.0037
%RSD	21.06	38.54	30.84	13.62	15.05	42.33	26.04
#1	.0368	.0197	.0221	.0252	.1316	.0001	.0111
#2	.0549	.0452	.0174	.0328	.1750	.0002	.0184
#3	.0417	.0354	.0317	.0275	.1427	.0001	.0135

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	.0032	.0542	.5825	.0055	.0076	.0021
SDev	.0030	.0004	.0102	.1162	.0009	.0066	.0003

%RSD	29.30	11.88	18.82	19.94	15.81	86.23	13.92
#1	.0068	.0028	.0447	.4563	.0045	.0136	.0018
#2	.0126	.0035	.0649	.6850	.0061	.0006	.0023
#3	.0110	.0033	.0530	.6062	.0059	.0086	.0023

Elem	Zn	Zr
Units	ppm	ppm
Avge	9.907	.0040
SDev	.036	.0007
%RSD	.3673	16.43
#1	9.930	.0037
#2	9.865	.0048
#3	9.926	.0036

Standardization Rot. Wed 09-13-95 09:22:17 AM page 1

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.6444	.2055	.1653	.1021	.0302	.0169	.1427
SDev	.0019	.0006	.0014	.0007	.0001	.0000	.0010
%RSD	.2994	.3039	.8317	.6665	.1910	.0000	.7363
#1	.6438	.2053	.1650	.1029	.0302	.0169	.1416
#2	.6429	.2050	.1641	.1016	.0302	.0169	.1437
#3	.6466	.2062	.1668	.1019	.0303	.0169	.1427

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1238	.0435	.6197	.1393	.0459	.0455	.1911
SDev	.0005	.0016	.0031	.0004	.0003	.0003	.0003
%RSD	.3983	3.655	.5032	.2988	.5487	.7613	.1385
#1	.1236	.0453	.6185	.1390	.0459	.0457	.1910
#2	.1235	.0425	.6173	.1392	.0456	.0451	.1909
#3	.1244	.0426	.6232	.1398	.0461	.0457	.1914

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0333	.0551	.2144	.0977	.0408	.2335	.0193
SDev	.0001	.0003	.0004	.0003	.0004	.0015	.0001
%RSD	.3003	.4802	.1866	.3596	1.068	.6430	.5181
#1	.0332	.0549	.2144	.0973	.0403	.2334	.0194
#2	.0333	.0550	.2140	.0977	.0411	.2320	.0192
#3	.0334	.0554	.2148	.0980	.0410	.2350	.0193

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0790	.0406	.3623	.0465	.1269	1.319	1.505
SDev	.0007	.0004	.0018	.0004	.0011	.007	.006
%RSD	.8861	1.074	.5032	.9374	.8647	.5222	.4174
#1	.0793	.0404	.3626	.0463	.1265	1.316	1.500
#2	.0795	.0403	.3603	.0462	.1281	1.315	1.501
#3	.0782	.0411	.3639	.0470	.1260	1.327	1.512

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.496	.2560	.1507	.3729	.6690	.0140	.9719
SDev	.004	.0019	.0014	.0007	.0017	.0001	.0057
%RSD	.2376	.7383	.9300	.1826	.2550	.4114	.5895
#1	1.493	.2567	.1511	.3721	.6695	.0140	.9770
#2	1.495	.2575	.1518	.3734	.6671	.0140	.9730
#3	1.500	.2539	.1491	.3731	.6704	.0141	.9657

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.2314	.0639	.0344	1.699	.0962	.0304	.0251
SDev	.0014	.0002	.0003	.006	.0003	.0003	.0001
%RSD	.6252	.2711	.7309	.3469	.3652	.8703	.2303
#1	.2305	.0638	.0344	1.698	.0958	.0305	.0251
#2	.2307	.0638	.0347	1.694	.0962	.0301	.0250
#3	.2331	.0641	.0342	1.706	.0965	.0306	.0251

Elem	Zn	Zr
Avge	.0332	.0793
SDev	.0011	.0001

%RSD	3.252	.0728
#1	.0324	.0793
#2	.0344	.0792
#3	.0327	.0793

Standardization Rpt. Wed 09-13-95 09:24:00 AM page 1

Method: ICP1 Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	8.048	17.39	12.70	4.522	73.87	45.43	11.98
SDev	.038	.05	.02	.020	.17	.14	.04
%RSD	.4724	.2761	.1322	.4512	.2281	.3045	.3187
#1	8.065	17.37	12.69	4.523	73.87	45.45	11.97
#2	8.004	17.35	12.69	4.502	73.70	45.28	11.96
#3	8.074	17.44	12.72	4.542	74.04	45.55	12.03

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	5.910	5.957	59.34	8.354	14.91	28.79	25.32
SDev	.087	.015	.15	.042	.05	.08	.09
%RSD	1.466	.2494	.2462	.5009	.3488	.2698	.3410
#1	5.986	5.945	59.26	8.357	14.92	28.76	25.36
#2	5.816	5.951	59.26	8.310	14.86	28.73	25.22
#3	5.928	5.973	59.51	8.394	14.96	28.87	25.38

Standardization Rot. Wed 09-13-95 09:27:49 AM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	73.27	49.69	78.13	9.941	3.044	13.44	7.059
SDev	.30	.13	.02	.017	.042	.21	.005
%RSD	.4055	.2610	.0301	.1754	1.383	1.527	.0697
#1	72.93	49.55	78.11	9.921	2.997	13.20	7.054
#2	73.49	49.80	78.16	9.945	3.058	13.54	7.063
#3	73.38	49.73	78.13	9.955	3.077	13.57	7.060

Elem	P
Avge	14.02
SDev	.02
%RSD	.1298
#1	13.99
#2	14.03
#3	14.02

Standardization Rot. Wed 09-13-95 09:31:31 AM page 1

Method: ICP1 Standard: STD4

Elem	Dv	Eu	La	Nd	Th
Avge	49.05	11.33	6.199	16.87	11.96
SDev	.42	.10	.043	.15	.08
%RSD	.8640	.8500	.7009	.8725	.6389
#1	48.74	11.25	6.165	16.75	11.90
#2	48.88	11.29	6.184	16.82	11.93
#3	49.53	11.44	6.248	17.03	12.05

Standardization Rpt. Wed 09-13-95 09:35:39 AM page 1

Method: ICP1 Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	27.01	24.83	36.38	12.27	3.225
SDev	.04	.03	.02	.01	.004
%RSD	.1457	.1054	.0673	.1174	.1175
#1	26.98	24.82	36.36	12.28	3.226
#2	27.05	24.86	36.41	12.29	3.229
#3	26.99	24.81	36.38	12.26	3.221

Standardization Rpt. Wed 09-13-95 09:39:42 AM page 1

Method: ICP1 Standard: STD6

Elem	U
Avge	51.01
SDev	.27
%RSD	.5373
#1	50.80
#2	50.91
#3	51.32

Standardization Rpt. Wed 09-13-95 09:43:38 AM page 1

Method: ICP1 Standard: STD7

Elem	Be	Si	Te
Avge	1.859	77.18	54.95
SDev	.005	.27	.15
%RSD	.2450	.3486	.2716
#1	1.857	76.99	54.94
#2	1.856	77.06	54.80
#3	1.864	77.49	55.10

Standardization Rpt. Wed 09-13-95 09:47:31 AM page 1

Method: ICP1 Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	29.88	26.91	3.862	1.186
SDev	.17	.16	.022	.004
%RSD	.5784	.6121	.5604	.3493
#1	30.08	27.09	3.887	1.191
#2	29.81	26.84	3.848	1.184
#3	29.75	26.78	3.852	1.183

Standardization Rpt. Wed 09-13-95 09:51:32 AM page 1

Method: ICP1 Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	21.09	49.95	8.451	3.276
SDev	.10	.28	.041	.013
%RSD	.4573	.5660	.4824	.3881
#1	21.19	50.25	8.490	3.290
#2	21.00	49.69	8.408	3.264
#3	21.07	49.90	8.454	3.275

Standardization Report Wed 09-13-95 09:52:24 AM page

Method: ICP1 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.068	STD8	STD1-Blank	.342033	-.220418	09/13/95 09:50:14
Al	308.215	STD3	STD1-Blank	6.84364	-1.40637	09/13/95 09:50:14
As	193.600	STD5	STD1-Blank	3.72523	-.615781	09/13/95 09:50:14
B	249.600	STD3	STD1-Blank	1.00829	-.102980	09/13/95 09:50:14
Ba	493.400	STD2	STD1-Blank	1.24727	-.037709	09/13/95 09:50:14
Be	313.042	STD7	STD1-Blank	.542927	-.009175	09/13/95 09:50:14
Bi	223.061	STD8	STD1-Blank	3.73647	-.533070	09/13/95 09:50:14
Ca	317.900	STD3	STD1-Blank	3.20475	-.396855	09/13/95 09:50:14
Cd	228.800	STD3	STD1-Blank	1.01040	-.043919	09/13/95 09:50:14
Ce	418.659	STD5	STD1-Blank	2.06536	-1.27983	09/13/95 09:50:14
Co	228.600	STD2	STD1-Blank	1.15963	-.161575	09/13/95 09:50:14
Cr	205.500	STD2	STD1-Blank	1.58052	-.072493	09/13/95 09:50:14
Cu	324.700	STD2	STD1-Blank	4.46761	-.203276	09/13/95 09:50:14
Dy	353.170	STD4	STD1-Blank	1.02332	-.195556	09/13/95 09:50:14
Eu	381.900	STD4	STD1-Blank	1.77097	-.058973	09/13/95 09:50:14
Fe	259.900	STD2	STD1-Blank	2.70958	-.149298	09/13/95 09:50:14
K	766.500	STD3	STD1-Blank	176.703	-37.8852	09/13/95 09:50:14
La	398.852	STD4	STD1-Blank	3.27788	-.320140	09/13/95 09:50:14
Li	670.700	STD3	STD1-Blank	3.73216	-.152272	09/13/95 09:50:14
Mg	279.078	STD2	STD1-Blank	5.53174	-1.29148	09/13/95 09:50:14
Mn	257.600	STD3	STD1-Blank	1.42055	-.027417	09/13/95 09:50:14
Mo	202.000	STD2	STD1-Blank	1.67994	-.132715	09/13/95 09:50:14
Na	588.900	STD2	STD1-Blank	42.5945	-1.72934	09/13/95 09:50:14
Nd	406.106	STD4	STD1-Blank	3.02916	-1.09737	09/13/95 09:50:14
Ni	231.600	STD2	STD1-Blank	3.38409	-.157360	09/13/95 09:50:14
P	214.900	STD3	STD1-Blank	7.20027	-.913474	09/13/95 09:50:
Pb	220.300	STD2	STD1-Blank	.861691	-1.13671	09/13/95 09:50:
Pd	360.959	STD9	STD1-Blank	2.55299	-3.84115	09/13/95 09:50:14
Rh	343.489	STD9	STD1-Blank	1.03199	-1.54396	09/13/95 09:50:14
Sb	206.838	STD5	STD1-Blank	2.76805	-.708713	09/13/95 09:50:14
Se	196.026	STD8	STD1-Blank	5.38875	-.811906	09/13/95 09:50:14
Si	288.100	STD7	STD1-Blank	2.60393	-.970918	09/13/95 09:50:14
Sn	242.950	STD9	STD1-Blank	7.38626	-4.94141	09/13/95 09:50:14
Sr	421.500	STD2	STD1-Blank	1.19911	-.016828	09/13/95 09:50:14
Te	214.275	STD7	STD1-Blank	.926347	-.900317	09/13/95 09:50:14
Th	283.730	STD4	STD1-Blank	4.26312	-.986628	09/13/95 09:50:14
Ti	334.900	STD2	STD1-Blank	1.34706	-.086077	09/13/95 09:50:14
Tl	190.864	STD8	STD1-Blank	17.3651	-.597939	09/13/95 09:50:14
U	378.280	STD6	STD1-Blank	10.1406	-17.2330	09/13/95 09:50:14
V	292.402	STD5	STD1-Blank	1.64231	-.157936	09/13/95 09:50:14
W	224.875	STD9	STD1-Blank	15.6100	-.474544	09/13/95 09:50:14
Y	371.030	STD5	STD1-Blank	3.12480	-.078328	09/13/95 09:50:14
Zn	213.800	STD2	STD1-Blank	.695563	-.023069	09/13/95 09:50:14
Zr	339.100	STD2	STD1-Blank	1.98095	-.157023	09/13/95 09:50:14

Standardization Report Wed 09-13-95 09:52:45 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	2.92369	.220418	09/13/95 09:50:14
Al	308.215	STD3	STD1-Blank	.146121	1.40637	09/13/95 09:50:14
As	193.600	STD5	STD1-Blank	.268440	.615781	09/13/95 09:50:14
B	249.600	STD3	STD1-Blank	.991776	.102980	09/13/95 09:50:14
Ba	493.400	STD2	STD1-Blank	.801753	.037709	09/13/95 09:50:14
Be	313.042	STD7	STD1-Blank	1.84187	.009175	09/13/95 09:50:14
Bi	223.061	STD8	STD1-Blank	.267632	.533070	09/13/95 09:50:14
Ca	317.900	STD3	STD1-Blank	.312037	.396855	09/13/95 09:50:14
Cd	228.800	STD3	STD1-Blank	.989707	.043919	09/13/95 09:50:14
Ce	418.659	STD5	STD1-Blank	.484177	1.27983	09/13/95 09:50:14
Co	228.600	STD2	STD1-Blank	.862343	.161575	09/13/95 09:50:14
Cr	205.500	STD2	STD1-Blank	.632702	.072493	09/13/95 09:50:14
Cu	324.700	STD2	STD1-Blank	.223833	.203276	09/13/95 09:50:14
Dy	353.170	STD4	STD1-Blank	.977214	.195556	09/13/95 09:50:14
Eu	381.900	STD4	STD1-Blank	.564662	.058973	09/13/95 09:50:14
Fe	259.900	STD2	STD1-Blank	.369060	.149298	09/13/95 09:50:14
K	766.500	STD3	STD1-Blank	.005659	37.8852	09/13/95 09:50:14
La	398.852	STD4	STD1-Blank	.305075	.320140	09/13/95 09:50:14
Li	670.700	STD3	STD1-Blank	.267941	.152272	09/13/95 09:50:14
Mg	279.078	STD2	STD1-Blank	.180775	1.29148	09/13/95 09:50:14
Mn	257.600	STD3	STD1-Blank	.703953	.027417	09/13/95 09:50:14
Mo	202.000	STD2	STD1-Blank	.595260	.132715	09/13/95 09:50:14
Na	588.900	STD2	STD1-Blank	.023477	1.72934	09/13/95 09:50:14
Nd	406.106	STD4	STD1-Blank	.330124	1.09737	09/13/95 09:50:14
Ni	231.600	STD2	STD1-Blank	.295500	.157360	09/13/95 09:50:14
P	214.900	STD3	STD1-Blank	.138884	.913474	09/13/95 09:50:14
Pb	220.300	STD2	STD1-Blank	1.16051	1.13671	09/13/95 09:50:14
Pd	360.959	STD9	STD1-Blank	.391697	3.84115	09/13/95 09:50:14
Rh	343.489	STD9	STD1-Blank	.968999	1.54396	09/13/95 09:50:14
Sb	206.838	STD5	STD1-Blank	.361265	.708713	09/13/95 09:50:14
Se	196.026	STD8	STD1-Blank	.185572	.811906	09/13/95 09:50:14
Si	288.100	STD7	STD1-Blank	.384035	.970918	09/13/95 09:50:14
Sn	242.950	STD9	STD1-Blank	.135386	4.94141	09/13/95 09:50:14
Sr	421.500	STD2	STD1-Blank	.833950	.016828	09/13/95 09:50:14
Te	214.275	STD7	STD1-Blank	1.07951	.900317	09/13/95 09:50:14
Th	283.730	STD4	STD1-Blank	.234570	.986628	09/13/95 09:50:14
Ti	334.900	STD2	STD1-Blank	.742357	.086077	09/13/95 09:50:14
Tl	190.864	STD8	STD1-Blank	.057587	.597939	09/13/95 09:50:14
U	378.280	STD6	STD1-Blank	.098613	17.2330	09/13/95 09:50:14
V	292.402	STD5	STD1-Blank	.608898	.157936	09/13/95 09:50:14
W	224.875	STD9	STD1-Blank	.064062	.474544	09/13/95 09:50:14
Y	371.030	STD5	STD1-Blank	.320020	.078328	09/13/95 09:50:14
Zn	213.800	STD2	STD1-Blank	1.43768	.023069	09/13/95 09:50:14
Zr	339.100	STD2	STD1-Blank	.504808	.157023	09/13/95 09:50:14

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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	-.000001

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	STD1-Blank	.000000	-.000000	.000000
		STD5	50.0000	50.0000	.000004

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

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

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

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

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

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

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K	766.500	STD1-Blank	.000000	-.000001	.000001
		STD3	500.000	500.000	.000000

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

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

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

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

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

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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	-.000004

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	.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

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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	-.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 Wed 09-13-95 10:03:13 AM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 10:01:54
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0034	-.0033	.0074	.0001	.0000	.0024
SDev	.0012	.0024	.0091	.0014	.0001	.0000	.0054
%RSD	73.50	71.43	274.4	18.27	116.5	450.9	222.6
#1	.0028	.0032	.0010	.0083	.0002	.0000	.0065
#2	.0015	.0059	-.0137	.0059	.0002	-.0000	.0046
#3	.0005	.0011	.0028	.0081	-.0000	.0000	-.0037

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0036	-.0002	.0044	.0012	.0004	.0088	.0004
SDev	.0020	.0007	.0067	.0002	.0011	.0010	.0007
%RSD	55.59	409.1	153.0	20.17	289.2	11.12	168.0
#1	-.0028	.0006	.0076	.0010	.0008	.0099	.0005
#2	-.0022	-.0009	.0089	.0015	.0013	.0085	.0011
#3	-.0060	-.0003	-.0033	.0011	-.0009	.0080	-.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0003	.1531	.0009	.0025	.0054	.0002
SDev	.0001	.0006	.1946	.0008	.0011	.0031	.0000
%RSD	27.32	192.1	127.1	93.64	43.30	57.56	10.22
#1	.0003	.0003	.2827	.0008	.0019	.0086	.0002
#2	.0003	.0008	.2474	.0017	.0037	.0023	.0002
#3	.0002	-.0003	-.0707	.0001	.0019	.0054	.0003

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0169	.0088	-.0003	-.0027	.0028	.0333
SDev	.0010	.0147	.0049	.0030	.0141	.0088	.0075
%RSD	139.9	87.23	56.27	1119.	515.3	313.4	22.69
#1	-.0012	.0339	.0085	.0030	.0040	.0123	.0388
#2	.0004	.0082	.0138	-.0007	.0067	-.0049	.0362
#3	-.0014	.0085	.0040	-.0031	-.0189	.0010	.0247

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0073	.0088	.0044	.0968	.0335	.0004	.0053
SDev	.0060	.0018	.0129	.0035	.0164	.0001	.0046
%RSD	82.57	20.99	292.5	3.633	48.86	18.59	87.50
#1	.0086	.0104	.0061	.0955	.0459	.0003	.0091
#2	.0126	.0092	.0163	.1008	.0396	.0004	.0065
#3	.0007	.0068	-.0092	.0942	.0150	.0003	.0002

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0003	-.0122	.0978	.0005	.0075	.0004
SDev	.0035	.0002	.0021	.0739	.0010	.0033	.0001

%RSD	360.0	53.53	17.24	75.55	197.7	44.36	13.82
#1	.0007	.0004	-.0097	.1305	.0013	.0042	.0003
#2	.0014	.0004	-.0134	.1498	.0008	.0073	.0003
#3	-.0051	.0001	-.0133	.0132	-.0006	.0109	.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0006	.0003
SDev	.0003	.0005
%RSD	51.23	157.2
#1	-.0007	.0003
#2	-.0008	.0008
#3	-.0002	-.0002

Analysis Report QC Standard Wed 09-13-95 10:07:57 AM page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/13/95 10:06:38
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 9/13/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4837	24.67	2.546	1.979	.5057	.0930	24.39
SDev	.0018	.12	.008	.013	.0027	.0003	.12
%RSD	.3634	.4684	.3135	.6477	.5432	.3050	.4764
#1	.4828	24.61	2.549	1.970	.5044	.0928	24.31
#2	.4857	24.80	2.552	1.993	.5089	.0933	24.52
#3	.4826	24.60	2.537	1.973	.5039	.0929	24.34
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	24.70	.4941	-.0393	1.016	1.012	1.010	-.0010
SDev	.08	.0011	.0047	.001	.009	.006	.0004
%RSD	.3101	.2181	12.08	.0642	.8430	.5545	36.85
#1	24.65	.4946	-.0348	1.016	1.002	1.008	-.0009
#2	24.79	.4928	-.0443	1.017	1.014	1.017	-.0013
#3	24.66	.4948	-.0387	1.017	1.018	1.006	-.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	.0019	20.26	25.35	.0038	1.928	26.16	.5076
SDev	.0001	.07	.27	.0017	.020	.08	.0020
%RSD	5.282	.3428	1.083	46.37	1.054	.3221	.3860
#1	.0017	20.22	25.43	.0041	1.919	26.11	.5064
#2	.0019	20.34	25.57	.0019	1.951	26.26	.5099
#3	.0019	20.21	25.04	.0053	1.913	26.11	.5066
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	1.024	24.08	.0093	1.043	.0341	2.576	-.0210
SDev	.003	.28	.0044	.004	.0042	.003	.0106
%RSD	.3307	1.175	47.63	.3808	12.38	.1296	50.50
#1	1.024	24.03	.0081	1.046	.0387	2.576	-.0147
#2	1.028	24.39	.0056	1.039	.0303	2.579	-.0333
#3	1.021	23.83	.0142	1.044	.0334	2.572	-.0151
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 Wed 09-13-95 10:07:57 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	-.0048	2.495	2.485	18.56	-.0748	.5107	-.0047
SDev	.0028	.015	.012	.05	.0167	.0024	.0055
%RSD	57.95	.5885	.4928	.2847	22.33	.4795	117.0
#1	-.0020	2.484	2.474	18.54	-.0924	.5097	-.0098
#2	-.0075	2.488	2.498	18.62	-.0727	.5135	-.0052
#3	-.0048	2.511	2.483	18.52	-.0592	.5090	.0010
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	.0365	.9908	2.491	-.0078	.9817	.0251	.0001
SDev	.0043	.0033	.019	.0152	.0036	.0087	.0002
%RSD	11.76	.3375	.7640	193.7	.3625	34.57	136.9
#1	.0319	.9887	2.478	-.0106	.9795	.0257	.0000
#2	.0373	.9947	2.513	.0085	.9858	.0162	.0000
#3	.0404	.9892	2.482	-.0214	.9798	.0336	.0004
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	.9992	2.029
SDev	.0080	.009
%RSD	.8038	.4612
#1	.9938	2.025
#2	1.008	2.039
#3	.9955	2.022
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report

Wed 09-13-95 10:11:44 AM page :

Method: ICP1 Sample Name: SST-ICS-2 9509081102 Operator: DRS
Run Time: 09/13/95 10:10:24
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0059	90.78	.1658	.0137	.0025	.0010	.0850
SDev	.0003	.67	.0152	.0011	.0001	.0000	.0093
%RSD	4.822	.7409	9.188	8.070	5.889	.5447	10.98
#1	.0061	90.13	.1798	.0127	.0026	.0010	.0878
#2	.0055	90.75	.1680	.0135	.0026	.0010	.0746
#3	.0060	91.47	.1495	.0149	.0024	.0010	.0927

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0664	.0103	-.0482	.0163	.0359	-.0337	.0068
SDev	.0012	.0011	.0098	.0011	.0013	.0006	.0006
%RSD	1.775	11.06	20.36	6.673	3.612	1.782	9.310
#1	.0665	.0090	-.0390	.0153	.0345	-.0330	.0069
#2	.0675	.0112	-.0471	.0175	.0370	-.0338	.0074
#3	.0652	.0106	-.0586	.0161	.0363	-.0342	.0061

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	18.41	4093.	.0200	.0105	.3058	.0038
SDev	.0001	.13	28.	.0008	.0008	.0069	.0002
%RSD	3.217	.6790	.6752	4.033	7.348	2.266	4.508
#1	.0034	18.27	4069.	.0209	.0112	.3099	.0040
#2	.0036	18.43	4087.	.0197	.0108	.3097	.0037
#3	.0034	18.52	4124.	.0194	.0097	.2978	.0037

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0179	.3287	.0409	48.13	.1156	.2795	-.1308
SDev	.0015	.0105	.0032	.32	.0104	.0059	.0152
%RSD	8.317	3.189	7.863	.6691	9.039	2.116	11.64
#1	.0163	.3408	.0407	47.77	.1271	.2805	-.1269
#2	.0192	.3228	.0442	48.21	.1132	.2849	-.1179
#3	.0182	.3225	.0378	48.39	.1066	.2732	-.1476

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0566	.0530	.0913	.1495	.4028	.0010	.0678
SDev	.0033	.0037	.0120	.0033	.0237	.0001	.0023
%RSD	5.787	6.913	13.10	2.204	5.890	9.902	3.347
#1	.0554	.0523	.0904	.1533	.4257	.0011	.0702
#2	.0604	.0570	.1037	.1482	.4046	.0009	.0676
#3	.0541	.0497	.0799	.1471	.3783	.0009	.0656

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6034	.0064	.2488	44.81	.0124	.0733	.0072
SDev	.0099	.0002	.0028	.31	.0004	.0067	.0001

%RSD	1.643	3.221	1.130	.6856	3.604	9.130	1.981
#1	.6116	.0065	.2518	44.47	.0125	.0805	.0073
#2	.5924	.0066	.2463	44.92	.0129	.0721	.0070
#3	.6062	.0062	.2481	45.05	.0120	.0673	.0073

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0214	9.397
SDev	.0026	.076
%RSD	12.34	.8138
#1	-.0236	9.315
#2	-.0222	9.410
#3	-.0185	9.466

Analysis Report QC Standard Wed 09-13-95 10:15:51 AM page

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/13/95 10:14:31
Comment:
Mode: CONC Corr. Factor: 1

(KOH/Ni FUSION) K.SILVERS

U,U NA for QC
PASS (X)
DRS 9/13/

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	-.1832	.0058	.0074	.0005	.0003	-.0055
SDev	.0001	.0008	.0018	.0009	.0001	.0000	.0042
%RSD	10.10	.4291	31.37	12.84	13.13	1.745	77.15
#1	.0014	-.1831	.0043	.0064	.0006	.0003	-.0096
#2	.0017	-.1840	.0078	.0076	.0005	.0003	-.0011
#3	.0015	-.1825	.0053	.0083	.0005	.0003	-.0057
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	.0202	.0005	1.950	.0040	.0053	.0149	1.935
SDev	.0003	.0010	.008	.0010	.0012	.0026	.010
%RSD	1.565	180.4	.4117	25.03	23.42	17.36	.5234
#1	.0200	.0016	1.958	.0029	.0059	.0162	1.946
#2	.0200	.0002	1.950	.0040	.0038	.0166	1.931
#3	.0205	-.0002	1.942	.0049	.0061	.0120	1.927
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	1.922	.0063	.4418	1.927	.0044	.0826	.0007
SDev	.011	.0008	.0530	.009	.0013	.0054	.0003
%RSD	.5667	11.85	12.00	.4686	29.88	6.549	43.60
#1	1.935	.0065	.4418	1.937	.0030	.0835	.0004
#2	1.918	.0055	.4948	1.922	.0056	.0875	.0008
#3	1.914	.0070	.3887	1.922	.0045	.0768	.0009
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	.0020	.0121	1.928	.0091	-.0110	.0543	1.981
SDev	.0010	.0131	.009	.0016	.0106	.0017	.007
%RSD	50.89	108.4	.4801	17.10	96.41	3.140	.3362
#1	.0015	-.0022	1.939	.0073	-.0232	.0524	1.986
#2	.0031	.0235	1.923	.0100	-.0034	.0556	1.983
#3	.0012	.0149	1.923	.0100	-.0065	.0549	1.973
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	1.964	.0158	.0152	.0925	2.063	.0006	1.801
SDev	.007	.0025	.0110	.0022	.003	.0000	.021
%RSD	.3699	15.63	72.65	2.328	.1375	.8407	1.193
#1	1.972	.0181	.0153	.0942	2.066	.0006	1.825
#2	1.960	.0160	.0262	.0933	2.062	.0006	Q1.787
#3	1.959	.0132	.0041	.0901	2.061	.0005	Q1.789
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value	2.000				2.000		2.000
Range	10.00				10.00		10.00

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.917	.0017	.0033	Q8.676	-.0001	Q.4954	.9584
SDev	.031	.0003	.0069	.058	.0000	.0094	.0054
%RSD	.6230	14.73	208.2	.6695	36.97	1.902	.5637
#1	4.952	.0015	-.0042	Q8.667	-.0001	Q.4953	.9645
#2	4.906	.0020	.0093	Q8.622	-.0001	Q.5049	.9564
#3	4.894	.0016	.0049	Q8.737	-.0001	Q.4860	.9542
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	QC Pass
Value	5.000			10.00		2.000	1.000
Range	10.00			10.00		10.00	10.00

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0022	.0010
SDev	.0010	.0005
%RSD	46.71	50.76
#1	.0014	.0008
#2	.0019	.0006
#3	.0034	.0016
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Wed 09-13-95 10:19:45 AM page

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/13/95 10:18:20
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

No link to Qic Table DM 9/13/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.1067	.0795	.1188	.0495	.0221	.0071
SDev	.0015	.0030	.0080	.0018	.0003	.0001	.0081
%RSD	141.4	2.821	10.08	1.530	.5311	.6912	114.2
#1	-.0003	.1085	.0703	.1193	.0497	.0222	-.0022
#2	.0008	.1032	.0831	.1204	.0496	.0221	.0128
#3	.0026	.1084	.0851	.1168	.0492	.0219	.0107
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	35.43	.0122	-.0084	.0238	.0221	.0263	-.0008
SDev	.19	.0004	.0094	.0003	.0016	.0018	.0011
%RSD	.5368	3.712	112.5	1.428	7.209	6.709	134.6
#1	35.59	.0121	-.0161	.0234	.0218	.0242	-.0013
#2	35.48	.0119	-.0111	.0238	.0206	.0274	-.0016
#3	35.22	.0127	.0021	.0241	.0238	.0271	.0004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.1193	2.115	.0052	.0130	9.884	.0352
SDev	.0003	.0009	.142	.0012	.0009	.079	.0001
%RSD	35.09	.7675	6.703	23.52	7.066	.7982	.3665
#1	.0008	.1203	1.979	.0047	.0129	9.936	.0351
#2	.0008	.1190	2.103	.0042	.0140	9.923	.0354
#3	.0014	.1185	2.262	.0066	.0122	9.793	.0352
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1059	11.38	.0097	.0638	.0216	.0382	.0081
SDev	.0007	.18	.0053	.0025	.0097	.0082	.0231
%RSD	.6941	1.573	54.30	3.936	44.90	21.53	285.9
#1	.1055	11.54	.0063	.0610	.0156	.0289	-.0136
#2	.1055	11.42	.0070	.0656	.0327	.0412	.0054
#3	.1068	11.19	.0158	.0649	.0163	.0444	.0324
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							

Range

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.0025	.0114	.0531	-.0051	.2619	.0005
SDev	.0079	.0088	.0006	.0036	.0297	.0026	.0054
%RSD	395.5	351.1	5.328	6.686	576.7	.9940	1078.
#1	-.0059	-.0022	.0112	.0568	-.0350	.2641	.0014
#2	-.0071	-.0029	.0121	.0498	-.0049	.2627	-.0053
#3	.0071	.0127	.0110	.0528	.0244	.2591	.0054
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0112	.0081	.0116	.2261	.0279	.0119	-.0014
SDev	.0055	.0002	.0051	.1341	.0006	.0139	.0004
%RSD	49.35	2.297	43.99	59.31	2.012	116.5	29.83
#1	-.0053	.0080	.0090	.0847	.0276	.0232	-.0017
#2	-.0162	.0080	.0083	.2423	.0275	-.0036	-.0015
#3	-.0122	.0083	.0175	.3515	.0285	.0162	-.0009
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0867	-.0004
SDev	.0020	.0010
%RSD	2.265	242.0
#1	.0887	-.0015
#2	.0867	-.0003
#3	.0847	.0005
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report Wed 09-13-95 10:24:13 AM page

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/13/95 10:22:53
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	1.907	1.991	1.939	.9944	.9638	1.919
SDev	.0007	.018	.009	.018	.0094	.0075	.010
%RSD	27.99	.9318	.4315	.9534	.9489	.7766	.5322
#1	.0034	1.887	1.985	1.918	.9835	.9557	1.921
#2	.0020	1.919	2.001	1.951	1.000	.9705	1.929
#3	.0024	1.916	1.988	1.948	.9996	.9652	1.909

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.941	.9908	.0121	1.036	.5170	2.018	.0015
SDev	.011	.0049	.0055	.007	.0030	.021	.0008
%RSD	.5544	.4891	45.42	.6934	.5875	1.026	50.71
#1	1.930	.9861	.0184	1.031	.5137	1.994	.0023
#2	1.951	.9906	.0091	1.044	.5197	2.031	.0013
#3	1.943	.9958	.0087	1.034	.5177	2.028	.0009

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	2.010	5.242	.0045	1.928	2.090	1.016
SDev	.0003	.015	.074	.0003	.036	.014	.007
%RSD	31.99	.7499	1.403	6.211	1.888	.6835	.6460
#1	.0014	1.995	5.301	.0049	1.891	2.077	1.009
#2	.0009	2.025	5.266	.0043	1.928	2.105	1.021
#3	.0008	2.011	5.160	.0045	1.964	2.089	1.019

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.997	7.752	.0170	2.094	4.724	2.079	.0512
SDev	.012	.124	.0031	.007	.019	.008	.0205
%RSD	.6061	1.594	18.06	.3490	.4018	.3673	40.03
#1	1.985	7.630	.0205	2.087	4.706	2.071	.0728
#2	2.009	7.750	.0154	2.101	4.722	2.085	.0320
#3	1.997	7.877	.0151	2.093	4.744	2.083	.0487

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0226	.0002	1.956	4.945	.0822	2.012	-.0029
SDev	.0054	.0052	.021	.040	.0291	.019	.0052
%RSD	23.91	2126.	1.071	.8008	35.37	.9516	182.1
#1	.0288	.0034	1.934	4.901	.1158	1.990	-.0004
#2	.0204	.0031	1.958	4.979	.0653	2.025	.0006
#3	.0187	-.0058	1.975	4.953	.0655	2.022	-.0088

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0013	1.947	.2028	.9569	.0153	.0012
SDev	.0085	.0005	.022	.0632	.0070	.0036	.0004

%RSD	374.7	38.66	1.142	31.14	.7330	23.55	36.04
#1	.0002	.0019	1.922	.2670	.9492	.0172	.0017
#2	.0116	.0010	1.952	.2007	.9628	.0111	.0011
#3	-.0050	.0010	1.966	.1407	.9587	.0175	.0008

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.023	.0007
SDev	.004	.0010
%RSD	.3922	147.5
#1	1.022	.0016
#2	1.028	-.0003
#3	1.020	.0007

Analysis Report

Wed 09-13-95 10:27:54 AM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 10:26:35
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0064	-.0014	.0066	.0003	.0001	-.0045
SDev	.0001	.0009	.0043	.0011	.0001	.0000	.0086
%RSD	6.457	14.88	301.7	16.02	38.19	24.65	192.5
#1	.0019	.0073	-.0063	.0057	.0002	.0001	.0005
#2	.0017	.0064	.0016	.0063	.0003	.0001	.0005
#3	.0016	.0054	.0005	.0078	.0005	.0001	-.0144

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	-.0006	.0034	.0017	.0022	.0066	.0011
SDev	.0008	.0005	.0012	.0002	.0022	.0003	.0002
%RSD	36.35	73.72	34.67	12.75	98.80	4.779	18.06
#1	-.0013	-.0009	.0022	.0019	-.0003	.0063	.0010
#2	-.0028	-.0001	.0046	.0015	.0033	.0068	.0010
#3	-.0022	-.0009	.0035	.0017	.0035	.0068	.0013

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0007	.1237	.0020	.0029	.0035	.0003
SDev	.0002	.0011	.0306	.0007	.0002	.0061	.0002
%RSD	44.30	167.0	24.74	36.08	7.508	171.8	61.46
#1	.0002	-.0003	.1060	.0014	.0026	-.0024	.0001
#2	.0006	.0004	.1060	.0018	.0030	.0033	.0004
#3	.0006	.0020	.1590	.0028	.0030	.0097	.0004

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	.0225	.0119	.0014	.0053	.0092	.0396
SDev	.0005	.0107	.0036	.0022	.0190	.0073	.0083
%RSD	20.28	47.52	29.90	160.9	359.7	79.47	20.97
#1	.0030	.0338	.0156	.0020	-.0021	.0014	.0452
#2	.0020	.0211	.0116	-.0011	.0269	.0158	.0301
#3	.0026	.0126	.0085	.0033	-.0090	.0104	.0436

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0173	.0059	.0100	.0184	.0445	.0006	.0067
SDev	.0023	.0019	.0030	.0043	.0084	.0001	.0054
%RSD	13.10	32.09	29.77	23.29	18.79	11.42	79.78
#1	.0153	.0044	.0097	.0233	.0540	.0007	.0057
#2	.0167	.0080	.0131	.0155	.0413	.0005	.0126
#3	.0198	.0053	.0072	.0164	.0383	.0005	.0020

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0007	-.0019	.1352	.0010	.0094	.0006
SDev	.0007	.0001	.0038	.0216	.0003	.0048	.0003

%RSD	91.43	11.99	193.8	16.00	25.72	50.97	49.92
#1	-.0007	.0007	.0001	.1599	.0009	.0135	.0003
#2	-.0015	.0008	.0004	.1196	.0013	.0104	.0007
#3	-.0001	.0007	-.0063	.1261	.0008	.0041	.0010

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0000	.0007
SDev	.0006	.0003
%RSD	10770.	47.10
#1	-.0001	.0010
#2	.0006	.0006
#3	-.0006	.0003

Analysis Report Wed 09-13-95 10:46:44 AM page

Method: ICP1 Sample Name: 95-007941-HCB @2 Operator: DRS
Run Time: 09/13/95 10:45:25
Comment: METHOD BLANK @2 SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	.4620	.0462	.1765	.0055	.0003	.0423
SDev	.0011	.0032	.0018	.0029	.0001	.0001	.0022
%RSD	9.648	.6964	3.990	1.615	2.600	16.03	5.237
#1	.0121	.4583	.0479	.1754	.0055	.0003	.0401
#2	.0100	.4637	.0443	.1797	.0053	.0003	.0445
#3	.0114	.4641	.0465	.1744	.0055	.0004	.0421

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0867	.0120	.0571	.0214	.0194	-.0039	.0088
SDev	.0014	.0006	.0054	.0004	.0009	.0012	.0005
%RSD	1.570	5.209	9.458	1.945	4.803	29.79	5.844
#1	.0859	.0114	.0605	.0216	.0188	-.0027	.0091
#2	.0860	.0119	.0509	.0209	.0190	-.0040	.0082
#3	.0883	.0126	.0598	.0217	.0205	-.0050	.0092

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.2920	4794.	.0163	.0557	.0729	.0927
SDev	.0003	.0032	44.	.0016	.0002	.0049	.0008
%RSD	12.88	1.080	.9085	9.729	.3850	6.761	.8684
#1	.0027	.2885	4759.	.0169	.0556	.0675	.0920
#2	.0022	.2947	4843.	.0146	.0556	.0742	.0936
#3	.0029	.2927	4780.	.0176	.0560	.0771	.0927

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0132	2.045	.0537	10.97	.0932	.0957	.1536
SDev	.0005	.011	.0046	.07	.0177	.0047	.0182
%RSD	3.529	.5187	8.511	.6491	18.95	4.890	11.84
#1	.0128	2.055	.0524	10.91	.0790	.1007	.1642
#2	.0137	2.034	.0499	11.05	.0876	.0914	.1326
#3	.0130	2.047	.0588	10.95	.1130	.0950	.1641

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1074	.0520	.0685	.9052	.3397	.0028	.0675
SDev	.0080	.0063	.0077	.0111	.0164	.0000	.0004
%RSD	7.432	12.00	11.24	1.222	4.843	.2405	.5444
#1	.1147	.0472	.0689	.8927	.3447	.0028	.0676
#2	.0988	.0499	.0606	.9139	.3213	.0028	.0679
#3	.1086	.0591	.0760	.9088	.3530	.0028	.0671

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0205	.1096	.0399	.8501	.0091	.0389	.0036
SDev	.0030	.0009	.0032	.0780	.0005	.0058	.0003

%RSD	14.45	.7969	7.928	9.179	5.123	15.01	7.419
#1	.0172	.1092	.0416	.9209	.0095	.0371	.0039
#2	.0230	.1106	.0362	.7665	.0086	.0455	.0033
#3	.0212	.1091	.0418	.8630	.0091	.0342	.0036

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0086	.0666
SDev	.0007	.0008
%RSD	8.204	1.128
#1	.0083	.0674
#2	.0095	.0659
#3	.0081	.0665

Analysis Report Wed 09-13-95 10:53:53 AM page

Method: ICP1 Sample Name: 95-007941-H1T @10 Operator: DRS
Run Time: 09/13/95 10:52:33
Comment: SEGMENT 1 TOP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0084	14.18	.0431	.0457	.0038	.0003	.0386
SDev	.0012	.14	.0063	.0016	.0002	.0001	.0017
%RSD	14.26	.9688	14.54	3.484	4.905	18.61	4.370
#1	.0071	14.34	.0359	.0444	.0037	.0002	.0366
#2	.0091	14.09	.0467	.0453	.0038	.0003	.0394
#3	.0092	14.11	.0468	.0475	.0040	.0003	.0397

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0650	.0034	.0496	.0115	.0195	.0051	.0078
SDev	.0010	.0010	.0025	.0003	.0015	.0010	.0008
%RSD	1.482	28.62	5.082	2.153	7.654	19.41	9.636
#1	.0640	.0045	.0469	.0117	.0210	.0049	.0071
#2	.0659	.0033	.0519	.0116	.0180	.0062	.0086
#3	.0651	.0025	.0500	.0113	.0197	.0042	.0079

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.1650	1069.	.0130	.0171	.0647	.0330
SDev	.0002	.0009	7.	.0018	.0013	.0006	.0004
%RSD	7.475	.5721	.6783	14.23	7.538	.9679	1.203
#1	.0021	.1658	1077.	.0109	.0157	.0653	.0333
#2	.0024	.1651	1065.	.0134	.0179	.0648	.0332
#3	.0024	.1639	1064.	.0145	.0179	.0641	.0326

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0082	10.21	.0468	10.47	2.470	.0708	.1414
SDev	.0016	.04	.0026	.06	.037	.0013	.0095
%RSD	20.17	.4169	5.584	.5982	1.484	1.846	6.709
#1	.0066	10.25	.0438	10.54	2.512	.0694	.1311
#2	.0099	10.17	.0482	10.43	2.453	.0710	.1497
#3	.0080	10.20	.0484	10.43	2.444	.0719	.1436

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0723	.0335	.0375	.7408	.2570	.0036	.0412
SDev	.0062	.0020	.0146	.0021	.0197	.0001	.0087
%RSD	8.615	5.897	39.07	.2868	7.649	1.769	21.21
#1	.0652	.0333	.0206	.7429	.2361	.0035	.0322
#2	.0768	.0355	.0457	.7386	.2751	.0036	.0418
#3	.0749	.0316	.0462	.7410	.2599	.0036	.0497

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0103	.0403	.0492	.7399	.0106	.0314	.0032
SDev	.0034	.0003	.0021	.0786	.0007	.0102	.0007

%RSD	33.19	.6969	4.199	10.63	6.570	32.64	23.51
#1	.0122	.0400	.0469	.6606	.0102	.0228	.0025
#2	.0122	.0402	.0509	.7411	.0114	.0427	.0031
#3	.0063	.0406	.0497	.8179	.0102	.0286	.0040

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0008	.0219
SDev	.0017	.0004
%RSD	213.1	1.664
#1	.0013	.0215
#2	-.0011	.0223
#3	.0021	.0219

Method: ICP1 Sample Name: 95-007941-H1T @5 Operator: DRS
Run Time: 09/13/95 10:56:44
Comment: SEGMENT 1 TOP @5X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	28.19	.0680	.0861	.0063	.0003	.0711
SDev	.0003	.09	.0041	.0039	.0003	.0000	.0062
%RSD	3.873	.3233	6.053	4.562	3.960	1.895	8.745
#1	.0087	28.17	.0648	.0818	.0065	.0003	.0772
#2	.0094	28.29	.0665	.0870	.0060	.0003	.0713
#3	.0093	28.12	.0726	.0896	.0063	.0003	.0648

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1501	.0064	.0539	.0173	.0319	.0055	.0091
SDev	.0003	.0013	.0058	.0010	.0021	.0011	.0004
%RSD	.2058	21.07	10.81	5.592	6.652	20.09	3.943
#1	.1505	.0054	.0529	.0164	.0303	.0043	.0090
#2	.1499	.0079	.0487	.0183	.0310	.0065	.0089
#3	.1500	.0058	.0602	.0171	.0343	.0056	.0095

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	.3212	2086.	.0156	.0272	.1022	.0651
SDev	.0002	.0025	9.	.0005	.0008	.0029	.0005
%RSD	6.303	.7807	.4118	3.136	2.747	2.861	.7784
#1	.0024	.3190	2085.	.0153	.0272	.0989	.0652
#2	.0025	.3239	2096.	.0153	.0280	.1046	.0656
#3	.0027	.3206	2079.	.0162	.0265	.1029	.0646

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0119	20.11	.0525	20.73	4.912	.0953	.1466
SDev	.0022	.04	.0031	.08	.029	.0060	.0041
%RSD	18.19	.2214	5.821	.4085	.5860	6.249	2.769
#1	.0096	20.09	.0497	20.71	4.937	.0920	.1427
#2	.0139	20.16	.0522	20.82	4.881	.0916	.1508
#3	.0120	20.08	.0558	20.65	4.918	.1022	.1462

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0852	.0427	.0579	1.455	.2825	.0064	.0500
SDev	.0021	.0030	.0104	.004	.0348	.0000	.0069
%RSD	2.479	7.099	18.06	.2864	12.32	.0498	13.80
#1	.0838	.0396	.0651	1.452	.2424	.0064	.0446
#2	.0841	.0456	.0459	1.460	.3045	.0064	.0476
#3	.0876	.0428	.0626	1.455	.3006	.0064	.0578

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0170	.0772	.0823	.8753	.0158	.0409	.0035
SDev	.0021	.0002	.0040	.0357	.0005	.0057	.0002

%RSD	12.13	.2725	4.821	4.082	3.017	13.97	5.037
#1	.0193	.0770	.0798	.8663	.0156	.0456	.0033
#2	.0156	.0774	.0868	.8449	.0154	.0424	.0036
#3	.0159	.0772	.0802	.9147	.0163	.0345	.0036

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0030	.0392
SDev	.0005	.0003
%RSD	17.69	.6397
#1	.0024	.0389
#2	.0034	.0394
#3	.0031	.0394

Analysis Report WHC-SD-WM-DP-145, REV. 1 Wed 09-13-95 11:01:36 AM page

Method: ICP1 Sample Name: 95-007941-H1T-PS @5 Operator: DRS
Run Time: 09/13/95 11:00:17
Comment: POST DIGEST SPIKE @5X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0122	36.64	.0775	.0826	.0065	.0006	.0828
SDev	.0004	.15	.0031	.0008	.0002	.0001	.0089
%RSD	3.300	.4021	3.975	1.028	2.920	8.753	10.78
#1	.0121	36.74	.0741	.0817	.0063	.0006	.0725
#2	.0118	36.71	.0783	.0828	.0064	.0006	.0879
#3	.0126	36.47	.0801	.0834	.0067	.0007	.0881

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.759	.2408	.0651	.0195	1.440	-.0011	.0078
SDev	.006	.0006	.0039	.0003	.007	.0018	.0005
%RSD	.1233	.2301	6.035	1.768	.4726	155.2	6.334
#1	4.762	.2407	.0623	.0194	1.446	-.0009	.0073
#2	4.764	.2403	.0635	.0191	1.442	-.0030	.0079
#3	4.753	.2414	.0696	.0198	1.432	.0005	.0083

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	.3171	2066.	.0191	.0288	.2084	.1574
SDev	.0003	.0006	10.	.0009	.0006	.0093	.0000
%RSD	11.48	.1786	.4773	4.826	1.980	4.482	.0102
#1	.0028	.3178	2074.	.0194	.0293	.2011	.1574
#2	.0027	.3167	2068.	.0181	.0282	.2052	.1574
#3	.0033	.3168	2055.	.0199	.0289	.2189	.1573

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0111	33.45	.0546	25.27	4.874	4.983	.0581
SDev	.0008	.19	.0053	.05	.014	.005	.0072
%RSD	7.493	.5588	9.631	.1994	.2900	.1027	12.42
#1	.0121	33.60	.0501	25.30	4.883	4.984	.0552
#2	.0106	33.52	.0533	25.30	4.882	4.977	.0528
#3	.0107	33.24	.0604	25.21	4.858	4.987	.0663

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0779	.0407	.0565	10.83	.3585	.0062	.0555
SDev	.0066	.0040	.0104	.02	.0163	.0001	.0022
%RSD	8.426	9.689	18.35	.1627	4.536	1.042	4.056
#1	.0728	.0450	.0560	10.85	.3585	.0062	.0568
#2	.0757	.0401	.0671	10.84	.3423	.0062	.0567
#3	.0853	.0372	.0464	10.81	.3748	.0063	.0529

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2330	.0768	.1119	18.70	.0180	.0459	.0048
SDev	.0031	.0001	.0025	.04	.0003	.0101	.0003

%RSD	1.321	.0992	2.269	.2369	1.718	21.99	6.855
#1	.2303	.0767	.1101	18.68	.0178	.0476	.0046
#2	.2363	.0768	.1108	18.66	.0178	.0351	.0047
#3	.2324	.0768	.1148	18.75	.0183	.0551	.0052

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0001	.4995
SDev	.0007	.0010
%RSD	567.0	.2038
#1	-.0003	.5003
#2	.0007	.4997
#3	-.0007	.4984

Analysis Report Wed 09-13-95 11:05:25 AM page 1

Method: ICP1 Sample Name: 95-007941-H1T @2 Operator: DRS
Run Time: 09/13/95 11:04:06
Comment: SEGMENT 1 TOP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0098	68.17	.1417	.1926	.0121	.0005	.1598
SDev	.0013	.37	.0010	.0021	.0001	.0000	.0039
%RSD	13.40	.5428	.7385	1.068	.5972	2.092	2.411
#1	.0092	67.95	.1426	.1921	.0120	.0005	.1635
#2	.0090	68.60	.1405	.1948	.0122	.0005	.1600
#3	.0114	67.97	.1421	.1908	.0121	.0005	.1558

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3714	.0122	.0467	.0293	.0736	-.0036	.0108
SDev	.0012	.0011	.0029	.0004	.0030	.0011	.0006
%RSD	.3154	9.362	6.309	1.232	4.090	30.94	5.790
#1	.3702	.0109	.0450	.0297	.0735	-.0039	.0109
#2	.3725	.0129	.0450	.0292	.0766	-.0045	.0101
#3	.3715	.0129	.0501	.0290	.0706	-.0024	.0114

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	.7477	4873.	.0166	.0545	.1851	.1531
SDev	.0002	.0037	30.	.0013	.0004	.0048	.0005
%RSD	8.918	.4950	.6168	7.996	.7899	2.572	.3154
#1	.0025	.7465	4856.	.0157	.0540	.1877	.1527
#2	.0024	.7518	4908.	.0160	.0548	.1797	.1536
#3	.0028	.7447	4856.	.0181	.0548	.1880	.1529

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0183	47.89	.0506	49.24	12.01	.1765	.1410
SDev	.0011	.30	.0036	.19	.05	.0132	.0063
%RSD	5.902	.6228	7.046	.3855	.4109	7.468	4.447
#1	.0189	47.75	.0536	49.16	11.96	.1885	.1467
#2	.0171	48.23	.0467	49.45	12.05	.1624	.1343
#3	.0190	47.68	.0516	49.10	12.01	.1786	.1421

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1033	.0647	.0819	3.476	.3750	.0137	.0657
SDev	.0055	.0113	.0102	.017	.0226	.0001	.0023
%RSD	5.359	17.52	12.51	.4833	6.014	.5695	3.466
#1	.1027	.0560	.0861	3.463	.3934	.0137	.0682
#2	.0981	.0605	.0894	3.495	.3498	.0138	.0638
#3	.1091	.0775	.0702	3.469	.3818	.0137	.0651

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0336	.1797	.1907	.9739	.0287	.0758	.0033
SDev	.0035	.0006	.0099	.1073	.0003	.0104	.0004

%RSD	10.33	.3160	5.187	11.01	.8573	13.68	12.67
#1	.0302	.1795	.2020	.9864	.0290	.0795	.0032
#2	.0333	.1803	.1840	.8609	.0286	.0641	.0030
#3	.0372	.1792	.1860	1.074	.0285	.0838	.0038

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0076	.0873
SDev	.0011	.0002
%RSD	15.03	.2575
#1	.0068	.0874
#2	.0071	.0874
#3	.0089	.0870

Analysis Report Wed 09-13-95 11:09:51 AM page

Method: ICP1 Sample Name: 95-007941-H2T @10 Operator: DRS
Run Time: 09/13/95 11:08:32
Comment: SEGMENT 1 TOP DUP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0098	13.76	.0407	.0442	.0032	.0003	.0220
SDev	.0017	.21	.0050	.0019	.0003	.0001	.0082
%RSD	16.98	1.546	12.27	4.196	7.749	24.58	37.09
#1	.0080	13.96	.0459	.0434	.0029	.0002	.0126
#2	.0100	13.76	.0359	.0463	.0032	.0003	.0271
#3	.0113	13.54	.0405	.0428	.0034	.0003	.0263

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0376	.0038	.0575	.0117	.0190	.0049	.0091
SDev	.0022	.0005	.0099	.0010	.0023	.0014	.0017
%RSD	5.861	14.39	17.25	8.968	12.06	28.64	18.71
#1	.0355	.0032	.0485	.0108	.0191	.0035	.0076
#2	.0374	.0040	.0559	.0114	.0166	.0063	.0089
#3	.0399	.0042	.0681	.0128	.0212	.0050	.0109

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.1104	1016.	.0152	.0203	.0618	.0297
SDev	.0006	.0003	17.	.0021	.0004	.0119	.0001
%RSD	21.33	.2777	1.678	13.75	2.127	19.31	.4147
#1	.0021	.1107	1032.	.0134	.0205	.0491	.0298
#2	.0025	.1104	1017.	.0146	.0198	.0634	.0298
#3	.0032	.1100	998.2	.0175	.0205	.0727	.0296

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	10.20	.0567	5.429	3.072	.0696	.1602
SDev	.0006	.16	.0095	.065	.051	.0062	.0255
%RSD	7.231	1.579	16.85	1.200	1.670	8.866	15.89
#1	.0093	10.34	.0460	5.491	3.120	.0650	.1328
#2	.0082	10.24	.0594	5.434	3.078	.0672	.1650
#3	.0082	10.02	.0646	5.361	3.018	.0766	.1830

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0795	.0363	.0463	.5420	.2723	.0032	.0447
SDev	.0128	.0129	.0038	.0015	.0371	.0001	.0106
%RSD	16.08	35.64	8.155	.2826	13.64	1.830	23.61
#1	.0714	.0228	.0506	.5433	.2346	.0031	.0395
#2	.0729	.0374	.0446	.5403	.2736	.0031	.0377
#3	.0942	.0486	.0436	.5424	.3088	.0032	.0568

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0175	.0225	.0476	.8214	.0110	.0264	.0034
SDev	.0007	.0003	.0109	.1251	.0008	.0060	.0006

%RSD	4.108	1.481	22.92	15.23	7.436	22.55	17.27
#1	.0174	.0223	.0362	.7495	.0101	.0257	.0027
#2	.0183	.0224	.0486	.7488	.0111	.0209	.0037
#3	.0169	.0229	.0580	.9659	.0117	.0327	.0038

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0038	.0237
SDev	.0018	.0008
%RSD	48.40	3.435
#1	.0055	.0229
#2	.0019	.0236
#3	.0039	.0245

Analysis Report WHC-SD-WM-DP-145, REV. 1 Wed 09-13-95 11:14:09 AM page

Method: ICP1 Sample Name: 95-007941-H2T @2 Operator: DRS
Run Time: 09/13/95 11:12:49
Comment: SEGMENT 1 TOP DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0084	67.64	.1141	.1860	.0083	.0004	.0589
SDev	.0009	.57	.0084	.0024	.0001	.0000	.0105
%RSD	10.95	.8460	7.355	1.305	.8581	8.004	17.83
#1	.0095	66.98	.1044	.1844	.0083	.0004	.0665
#2	.0077	67.93	.1184	.1848	.0084	.0004	.0469
#3	.0082	68.00	.1195	.1888	.0083	.0004	.0633

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2244	.0140	.0365	.0229	.0779	-.0051	.0081
SDev	.0026	.0016	.0034	.0003	.0037	.0009	.0002
%RSD	1.150	11.24	9.347	1.124	4.759	17.45	2.781
#1	.2215	.0158	.0327	.0228	.0805	-.0041	.0079
#2	.2265	.0134	.0372	.0227	.0795	-.0054	.0081
#3	.2252	.0128	.0394	.0232	.0736	-.0058	.0083

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.4981	4755.	.0122	.0622	.1268	.1381
SDev	.0001	.0042	39.	.0003	.0011	.0046	.0012
%RSD	4.608	.8326	.8299	2.250	1.733	3.670	.8563
#1	.0019	.4934	4709.	.0120	.0615	.1321	.1367
#2	.0021	.5012	4778.	.0122	.0634	.1233	.1389
#3	.0021	.4998	4777.	.0125	.0615	.1250	.1385

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0161	49.11	.0476	25.75	15.16	.1315	.1192
SDev	.0008	.47	.0021	.22	.16	.0055	.0069
%RSD	4.750	.9479	4.364	.8497	1.053	4.160	5.796
#1	.0153	48.58	.0486	25.50	14.98	.1375	.1224
#2	.0168	49.47	.0489	25.88	15.24	.1305	.1112
#3	.0161	49.27	.0452	25.88	15.26	.1267	.1239

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0771	.0543	.0586	2.534	.2883	.0112	.0530
SDev	.0027	.0076	.0105	.023	.0297	.0001	.0045
%RSD	3.530	14.07	17.86	.8974	10.29	1.050	8.522
#1	.0798	.0458	.0472	2.509	.2552	.0110	.0556
#2	.0771	.0567	.0677	2.537	.2972	.0112	.0556
#3	.0744	.0605	.0610	2.554	.3125	.0113	.0478

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0216	.0930	.1802	.7143	.0245	.0532	.0026
SDev	.0074	.0010	.0034	.0360	.0004	.0059	.0002

%RSD	34.14	1.042	1.869	5.034	1.539	11.17	7.117
#1	.0249	.0919	.1770	.6748	.0250	.0490	.0028
#2	.0268	.0934	.1798	.7229	.0244	.0600	.0024
#3	.0132	.0938	.1837	.7451	.0242	.0506	.0027

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0194	.0958
SDev	.0014	.0012
%RSD	7.445	1.277
#1	.0211	.0944
#2	.0183	.0965
#3	.0189	.0965

Analysis Report Wed 09-13-95 11:18:37 AM page

Method: ICP1 Sample Name: 95-007942-H3 @2 Operator: DRS
Run Time: 09/13/95 11:17:17
Comment: METHOD-BLANK @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0152	.1934	.0483	.2231	.0046	.0003	.0329
SDev	.0010	.0040	.0043	.0025	.0003	.0001	.0037
%RSD	6.652	2.047	8.890	1.121	5.609	14.64	11.39
#1	.0159	.1974	.0441	.2218	.0048	.0004	.0343
#2	.0156	.1934	.0526	.2259	.0047	.0004	.0358
#3	.0140	.1895	.0481	.2214	.0043	.0003	.0287

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1373	.0047	.0930	.0535	.0217	.0138	.0114
SDev	.0006	.0002	.0105	.0003	.0011	.0006	.0015
%RSD	.4557	3.582	11.27	.6585	5.275	3.987	13.34
#1	.1375	.0048	.1014	.0539	.0230	.0140	.0128
#2	.1365	.0048	.0963	.0532	.0211	.0143	.0117
#3	.1377	.0045	.0813	.0536	.0209	.0132	.0098

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	.4986	6617.	.0194	.0115	.0836	.4140
SDev	.0003	.0051	93.	.0017	.0006	.0049	.0057
%RSD	8.740	1.024	1.402	8.690	5.603	5.807	1.383
#1	.0037	.4950	6557.	.0214	.0112	.0881	.4098
#2	.0039	.4963	6570.	.0184	.0123	.0843	.4116
#3	.0033	.5044	6724.	.0185	.0112	.0784	.4205

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0161	2.992	.0733	2.229	.0830	.0968	.2014
SDev	.0008	.015	.0059	.029	.0090	.0053	.0101
%RSD	4.772	.4970	8.042	1.296	10.89	5.421	5.020
#1	.0158	2.975	.0765	2.209	.0762	.1027	.2095
#2	.0170	3.000	.0769	2.215	.0932	.0949	.2047
#3	.0156	3.001	.0665	2.262	.0796	.0927	.1901

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1086	.0610	.0761	.2922	.3970	.0042	.0740
SDev	.0088	.0056	.0056	.0077	.0136	.0001	.0054
%RSD	8.105	9.248	7.350	2.641	3.433	3.095	7.288
#1	.1161	.0614	.0698	.2880	.4093	.0043	.0789
#2	.1109	.0665	.0806	.3011	.3995	.0043	.0749
#3	.0989	.0552	.0779	.2874	.3823	.0041	.0682

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0179	.0150	.0385	1.153	.0111	.0392	.0048
SDev	.0050	.0004	.0067	.089	.0008	.0046	.0006

%RSD	28.23	2.776	17.40	7.690	7.265	11.71	12.39
#1	.0176	.0153	.0344	1.207	.0118	.0379	.0052
#2	.0230	.0151	.0463	1.202	.0114	.0443	.0049
#3	.0130	.0145	.0349	1.051	.0102	.0354	.0041

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0462	.0086
SDev	.0006	.0006
%RSD	1.202	6.969
#1	.0465	.0093
#2	.0464	.0084
#3	.0455	.0082

Analysis Report QC Standard Wed 09-13-95 11:22:35 AM page

Method: ICP1 Sample Name: MCVA 950728I901 Operator: DRS
Run Time: 09/13/95 11:21:15
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS QB 9/12

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4734	24.15	2.464	1.933	.4932	.0903	23.79
SDev	.0012	.09	.011	.005	.0021	.0004	.06
%RSD	.2512	.3587	.4450	.2451	.4209	.4630	.2696
#1	.4745	24.24	2.472	1.937	.4956	.0908	23.86
#2	.4734	24.12	2.452	1.933	.4923	.0902	23.73
#3	.4722	24.08	2.469	1.928	.4917	.0900	23.78
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	24.13	.4827	-.0049	.9939	.9839	.9647	.0008
SDev	.10	.0028	.0054	.0032	.0081	.0035	.0003
%RSD	.4160	.5801	111.0	.3198	.8275	.3614	33.07
#1	24.25	.4829	-.0102	.9975	.9932	.9687	.0005
#2	24.07	.4798	-.0049	.9918	.9805	.9629	.0007
#3	24.07	.4854	.0005	.9923	.9781	.9624	.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	.0024	19.76	26.05	.0056	1.915	25.58	.4946
SDev	.0000	.08	.26	.0004	.012	.11	.0025
%RSD	.2772	.4267	.9994	7.911	.6363	.4196	.5134
#1	.0024	19.86	25.99	.0053	1.916	25.70	.4974
#2	.0024	19.71	26.33	.0054	1.926	25.53	.4936
#3	.0024	19.71	25.82	.0061	1.902	25.51	.4926
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	.9945	23.98	.0163	1.021	.0502	2.523	.0009
SDev	.0025	.12	.0012	.012	.0258	.006	.0007
%RSD	.2513	.5179	7.166	1.140	51.48	.2359	77.84
#1	.9972	24.05	.0152	1.034	.0288	2.524	.0014
#2	.9922	24.06	.0175	1.017	.0429	2.528	.0001
#3	.9941	23.84	.0163	1.012	.0789	2.516	.0013
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	.0075	2.445	2.427	18.15	-.0527	.4981	.0026
SDev	.0020	.008	.023	.07	.0156	.0018	.0049
%RSD	26.58	.3111	.9313	.3803	29.57	.3703	187.0
#1	.0063	2.453	2.433	18.23	-.0430	.5002	-.0021
#2	.0098	2.444	2.402	18.13	-.0445	.4972	.0077
#3	.0064	2.438	2.445	18.09	-.0707	.4968	.0023
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	.0429	.9672	2.448	.0851	.9568	.0271	.0005
SDev	.0044	.0035	.024	.0090	.0034	.0055	.0002
%RSD	10.18	.3587	.9938	10.61	.3596	20.38	35.09
#1	.0441	.9712	2.457	.0748	.9608	.0276	.0006
#2	.0466	.9654	2.421	.0892	.9551	.0214	.0003
#3	.0381	.9650	2.467	.0914	.9546	.0324	.0006
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	.9838	1.978
SDev	.0029	.008
%RSD	.2921	.4095
#1	.9828	1.987
#2	.9870	1.972
#3	.9816	1.974
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Wed 09-13-95 11:27:13 AM page 1

Method: ICP1 Sample Name: SST-ICS-2 950908I102 Operator: DRS
Run Time: 09/13/95 11:25:54
Comment: METHOD BLANK @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0062	90.15	.1558	.0091	.0026	.0010	.0905
SDev	.0009	.62	.0072	.0020	.0002	.0000	.0067
%RSD	13.99	.6897	4.626	22.44	8.439	1.469	7.433
#1	.0067	90.31	.1614	.0114	.0025	.0010	.0980
#2	.0052	90.68	.1477	.0077	.0025	.0010	.0852
#3	.0066	89.46	.1584	.0082	.0029	.0010	.0881

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0678	.0111	-.0296	.0164	.0367	-.0422	.0069
SDev	.0003	.0010	.0090	.0017	.0019	.0016	.0007
%RSD	.4674	8.959	30.45	10.27	5.098	3.889	10.71
#1	.0674	.0110	-.0265	.0171	.0388	-.0438	.0067
#2	.0680	.0102	-.0398	.0144	.0365	-.0424	.0063
#3	.0679	.0121	-.0226	.0175	.0350	-.0405	.0077

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	18.29	4026.	.0205	.0126	.3229	.0038
SDev	.0003	.10	28.	.0017	.0004	.0136	.0002
%RSD	9.365	.5456	.6880	8.167	2.952	4.198	4.358
#1	.0037	18.32	4030.	.0206	.0130	.3172	.0036
#2	.0035	18.38	4051.	.0188	.0123	.3384	.0040
#3	.0042	18.18	3996.	.0221	.0126	.3132	.0038

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0168	.3504	.0450	47.94	.1270	.2785	-.1488
SDev	.0013	.0155	.0053	.22	.0086	.0099	.0151
%RSD	7.956	4.429	11.70	.4636	6.763	3.548	10.17
#1	.0153	.3489	.0470	48.03	.1306	.2683	-.1467
#2	.0176	.3357	.0391	48.10	.1331	.2792	-.1649
#3	.0176	.3666	.0490	47.69	.1171	.2881	-.1349

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0659	.0569	.0995	.1018	.4001	.0010	.0656
SDev	.0082	.0115	.0084	.0041	.0214	.0002	.0041
%RSD	12.49	20.15	8.487	3.986	5.359	15.67	6.281
#1	.0639	.0698	.1091	.1029	.3757	.0009	.0654
#2	.0589	.0480	.0936	.0973	.4088	.0009	.0616
#3	.0750	.0528	.0956	.1051	.4158	.0012	.0699

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6330	.0065	.2476	44.59	.0126	.0688	.0071
SDev	.0064	.0006	.0124	.27	.0011	.0038	.0003

Analysis Report

Wed 09-13-95 11:27:13 AM

%RSD	1.017	9.793	4.999	.6023	8.896	5.473	4.324
#1	.6296	.0063	.2347	44.60	.0124	.0709	.0072
#2	.6289	.0059	.2485	44.85	.0115	.0645	.0067
#3	.6404	.0072	.2594	44.32	.0138	.0711	.0073

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0218	9.340
SDev	.0009	.063
%RSD	3.931	.6777
#1	-.0227	9.358
#2	-.0216	9.393
#3	-.0210	9.270

Analysis Report Wed 09-13-95 11:32:57 AM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 11:31:37
Comment: METHOD BLANK @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	.0183	-.0068	.0022	.0005	.0001	-.0037
SDev	.0007	.0021	.0072	.0013	.0001	.0000	.0045
%RSD	33.79	11.67	106.9	56.40	27.50	42.27	120.9
#1	.0028	.0164	-.0012	.0036	.0003	.0000	.0010
#2	.0014	.0206	-.0042	.0011	.0006	.0001	-.0080
#3	.0021	.0178	-.0150	.0019	.0004	.0001	-.0041

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	.0007	.0104	.0019	.0003	.0019	.0020
SDev	.0002	.0007	.0019	.0004	.0015	.0005	.0003
%RSD	12.12	105.1	18.46	20.94	458.4	25.85	12.43
#1	-.0015	.0011	.0103	.0022	-.0012	.0024	.0017
#2	-.0015	-.0001	.0085	.0020	.0005	.0014	.0022
#3	-.0012	.0011	.0123	.0014	.0017	.0020	.0021

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0032	.4476	.0025	.0027	.0099	.0003
SDev	.0001	.0002	.0270	.0022	.0009	.0041	.0001
%RSD	13.19	5.080	6.029	88.22	34.36	41.16	35.92
#1	.0008	.0033	.4241	.0002	.0026	.0114	.0004
#2	.0006	.0030	.4771	.0027	.0019	.0131	.0002
#3	.0007	.0031	.4418	.0045	.0037	.0053	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0324	.0139	.0063	.0044	.0106	.0437
SDev	.0012	.0065	.0027	.0023	.0120	.0047	.0047
%RSD	71.93	20.09	19.52	36.77	274.4	44.28	10.86
#1	.0011	.0381	.0125	.0047	-.0019	.0144	.0383
#2	.0008	.0253	.0121	.0053	-.0032	.0053	.0453
#3	.0029	.0337	.0170	.0090	.0182	.0121	.0473

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0215	.0104	.0124	.0052	.0553	.0005	.0074
SDev	.0033	.0091	.0070	.0007	.0207	.0001	.0051
%RSD	15.50	87.01	56.10	13.09	37.43	13.60	69.56
#1	.0179	.0120	.0109	.0045	.0370	.0004	.0132
#2	.0222	.0185	.0200	.0059	.0778	.0004	.0042
#3	.0245	.0006	.0063	.0053	.0512	.0005	.0046

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0009	-.0001	.1628	.0014	.0051	.0008
SDev	.0034	.0002	.0102	.0715	.0004	.0033	.0002

%RSD	1471.	25.91	19310.	43.90	28.11	64.63	20.69
#1	.0023	.0009	-.0117	.1064	.0017	.0088	.0010
#2	.0011	.0007	.0042	.1388	.0010	.0026	.0006
#3	-.0040	.0012	.0074	.2432	.0016	.0039	.0009

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0005	.0021
SDev	.0010	.0006
%RSD	209.1	27.18
#1	.0004	.0016
#2	-.0003	.0020
#3	-.0016	.0027

Analysis Report Wed 09-13-95 11:36:45 AM page

Method: ICP1 Sample Name: I.V. U @500 PPM @10 Operator: DRS
Run Time: 09/13/95 11:35:25
Comment: 9509131902 @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0062	-.1305	.0215	-.0034	.0008	.0006	-.0158
SDev	.0012	.0080	.0012	.0014	.0002	.0000	.0075
%RSD	19.77	6.095	5.393	41.61	25.69	6.524	47.14
#1	.0070	-.1287	.0228	-.0047	.0008	.0006	-.0238
#2	.0048	-.1391	.0210	-.0036	.0005	.0006	-.0145
#3	.0069	-.1235	.0207	-.0019	.0009	.0006	-.0091

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0495	.0015	.0456	.0066	.0016	-.0167	-.0047
SDev	.0072	.0005	.0061	.0009	.0015	.0009	.0010
%RSD	14.61	31.63	13.45	14.29	95.45	5.344	20.75
#1	.0449	.0020	.0459	.0066	.0003	-.0164	-.0047
#2	.0458	.0013	.0393	.0056	.0012	-.0178	-.0057
#3	.0579	.0011	.0515	.0075	.0033	-.0161	-.0037

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0087	.6126	.0100	.0087	.2638	.0014
SDev	.0002	.0006	.1177	.0008	.0011	.0053	.0001
%RSD	229.6	6.590	19.21	8.482	13.14	1.997	9.214
#1	.0001	.0092	.6715	.0108	.0097	.2662	.0015
#2	-.0001	.0081	.4771	.0091	.0074	.2577	.0013
#3	.0003	.0088	.6891	.0100	.0089	.2674	.0015

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0470	.0045	.0068	.0328	.2031	-.2357
SDev	.0023	.0114	.0028	.0031	.0118	.0046	.0187
%RSD	131.1	24.26	63.44	45.60	35.79	2.244	7.913
#1	.0028	.0556	.0072	.0049	.0389	.2029	-.2309
#2	-.0009	.0341	.0016	.0051	.0193	.1986	-.2563
#3	.0034	.0514	.0046	.0103	.0403	.2077	-.2200

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0224	.0035	.0055	.0102	.1833	.0003	.0113
SDev	.0066	.0096	.0128	.0035	.0128	.0001	.0074
%RSD	29.69	277.8	234.4	34.59	6.976	23.95	65.30
#1	-.0212	.0091	.0043	.0114	.1948	.0003	.0176
#2	-.0296	-.0076	-.0067	.0062	.1696	.0003	.0131
#3	-.0164	.0089	.0189	.0129	.1856	.0004	.0032

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5430	.0032	.0083	48.04	.0044	-.0078	.0040
SDev	.0076	.0003	.0056	.16	.0010	.0048	.0007

%RSD	1.403	9.648	66.97	.3265	23.58	61.75	17.39
#1	.5518	.0029	.0044	47.99	.0042	-.0088	.0035
#2	.5381	.0031	.0147	48.21	.0034	-.0120	.0037
#3	.5391	.0035	.0059	47.91	.0055	-.0025	.0048

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0002	-.0354
SDev	.0011	.0004
%RSD	653.4	1.098
#1	-.0000	-.0355
#2	-.0008	-.0357
#3	.0014	-.0350

Analysis Report Wed 09-13-95 11:40:40 AM page 1

Method: ICP1 Sample Name: I.V. U @500 PPM Operator: DRS
Run Time: 09/13/95 11:39:20
Comment: 9509131902 SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0154	-1.468	.1318	-.0681	.0004	.0046	-.1653
SDev	.0048	.039	.0084	.0044	.0001	.0001	.0085
%RSD	30.95	2.660	6.406	6.407	30.59	2.877	5.144
#1	.0143	-1.478	.1302	-.0708	.0005	.0046	-.1746
#2	.0113	-1.501	.1242	-.0705	.0002	.0045	-.1578
#3	.0206	-1.425	.1409	-.0631	.0004	.0047	-.1636

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5571	-.0038	.1627	.0170	.0067	-.2086	-.0838
SDev	.0052	.0015	.0043	.0022	.0039	.0054	.0021
%RSD	.9314	39.61	2.670	13.13	58.13	2.610	2.474
#1	.5559	-.0038	.1579	.0177	.0043	-.2103	-.0836
#2	.5527	-.0023	.1637	.0145	.0047	-.2130	-.0860
#3	.5628	-.0052	.1664	.0188	.0113	-.2025	-.0819

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0141	.0343	1.449	.0344	.0338	2.439	.0062
SDev	.0007	.0029	.159	.0020	.0009	.049	.0011
%RSD	4.793	8.534	10.98	5.756	2.768	2.023	17.88
#1	-.0140	.0339	1.449	.0335	.0328	2.443	.0057
#2	-.0149	.0316	1.290	.0367	.0340	2.388	.0054
#3	-.0136	.0374	1.608	.0330	.0347	2.486	.0074

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0090	-.0598	-.2402	.0269	.1619	1.740	-3.110
SDev	.0010	.0119	.0129	.0037	.0089	.017	.031
%RSD	11.09	19.90	5.370	13.58	5.498	.9740	.9999
#1	-.0101	-.0615	-.2446	.0269	.1643	1.732	-3.107
#2	-.0085	-.0707	-.2503	.0233	.1520	1.729	-3.143
#3	-.0083	-.0471	-.2256	.0307	.1693	1.760	-3.081

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.5618	-.1313	-.0396	-.0610	.6900	-.0029	-.0732
SDev	.0215	.0097	.0199	.0259	.0934	.0002	.0122
%RSD	3.826	7.423	50.32	42.43	13.53	7.309	16.69
#1	-.5592	-.1335	-.0322	-.0652	.6526	-.0028	-.0709
#2	-.5845	-.1398	-.0622	-.0846	.6212	-.0031	-.0865
#3	-.5417	-.1207	-.0245	-.0333	.7963	-.0027	-.0623

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.199	.0134	-.0246	470.3	.0133	-.1185	.0201
SDev	.036	.0009	.0074	1.9	.0029	.0042	.0012

%RSD	.6909	6.715	29.97	.4104	21.47	3.521	5.792
#1	5.221	.0132	-.0170	468.3	.0125	-.1154	.0197
#2	5.158	.0125	-.0317	472.2	.0109	-.1167	.0193
#3	5.220	.0143	-.0251	470.3	.0164	-.1232	.0215

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0019	-.3700
SDev	.0016	.0011
%RSD	80.04	.2858
#1	.0003	-.3710
#2	.0021	-.3689
#3	.0034	-.3700

Analysis Report Wed 09-13-95 11:45:17 AM page 1

Method: ICP1 Sample Name: H.P. U @500 PPM @10 Operator: DRS
Run Time: 09/13/95 11:43:57
Comment: 9509131901 @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	-.1253	.0148	-.0043	.0006	.0006	-.0131
SDev	.0005	.0046	.0037	.0010	.0001	.0000	.0079
%RSD	9.349	3.680	24.97	24.33	21.81	4.070	59.87
#1	.0058	-.1236	.0115	-.0039	.0008	.0006	-.0194
#2	.0060	-.1217	.0141	-.0055	.0006	.0006	-.0043
#3	.0050	-.1305	.0188	-.0035	.0006	.0006	-.0156

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0425	.0006	.0407	.0059	.0019	-.0179	-.0048
SDev	.0002	.0006	.0010	.0003	.0026	.0006	.0007
%RSD	.4571	108.1	2.399	4.998	137.6	3.575	14.83
#1	.0423	.0005	.0414	.0057	-.0011	-.0172	-.0056
#2	.0427	.0012	.0411	.0062	.0039	-.0178	-.0047
#3	.0424	-.0000	.0396	.0056	.0029	-.0185	-.0042

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0074	.5124	.0085	.0083	.2601	.0013
SDev	.0002	.0008	.0467	.0010	.0014	.0037	.0003
%RSD	60.95	10.57	9.123	11.75	17.04	1.426	19.54
#1	-.0003	.0075	.5478	.0090	.0067	.2607	.0010
#2	-.0001	.0066	.5301	.0092	.0093	.2562	.0014
#3	-.0004	.0081	.4594	.0074	.0089	.2635	.0014

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0407	-.0025	.0068	.0243	.1910	-.2392
SDev	.0004	.0127	.0052	.0016	.0117	.0011	.0139
%RSD	61.71	31.24	211.3	24.33	48.26	.5592	5.808
#1	.0003	.0518	-.0084	.0050	.0116	.1904	-.2237
#2	.0010	.0269	-.0003	.0083	.0347	.1923	-.2434
#3	.0006	.0434	.0013	.0071	.0267	.1904	-.2505

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0267	-.0011	.0083	.0046	.1789	.0003	.0017
SDev	.0041	.0053	.0159	.0050	.0198	.0000	.0042
%RSD	15.19	477.1	190.5	107.9	11.05	6.150	250.3
#1	-.0252	-.0047	-.0037	.0010	.1585	.0003	.0057
#2	-.0236	-.0037	.0263	.0025	.1979	.0004	.0020
#3	-.0313	.0050	.0024	.0102	.1802	.0003	-.0027

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5410	.0032	.0068	47.50	.0031	-.0060	.0036
SDev	.0109	.0001	.0049	.25	.0005	.0012	.0001

Analysis Report

Wed 09-13-95 11:45:17 AM

%RSD	2.012	3.205	72.70	.5300	15.10	19.63	1.520
#1	.5308	.0033	.0066	47.68	.0029	-.0067	.0036
#2	.5399	.0031	.0020	47.21	.0027	-.0046	.0036
#3	.5525	.0032	.0118	47.61	.0036	-.0065	.0037

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0001	-.0360
SDev	.0006	.0011
%RSD	510.2	2.977
#1	-.0007	-.0349
#2	.0003	-.0358
#3	.0001	-.0371

Analysis Report Wed 09-13-95 11:49:04 AM page 1

Method: ICP1 Sample Name: H.P. U @500 PPM Operator: DRS
Run Time: 09/13/95 11:47:44
Comment: 9509131901 SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0149	-1.453	.1335	-.0705	.0008	.0046	-.1472
SDev	.0004	.023	.0018	.0047	.0001	.0000	.0073
%RSD	2.536	1.577	1.377	6.672	9.290	.7436	4.980
#1	.0154	-1.476	.1320	-.0744	.0007	.0045	-.1556
#2	.0147	-1.430	.1329	-.0717	.0008	.0046	-.1438
#3	.0148	-1.453	.1356	-.0652	.0007	.0046	-.1421

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5532	-.0041	.1742	.0169	.0081	-.2066	-.0830
SDev	.0026	.0004	.0037	.0008	.0004	.0039	.0015
%RSD	.4774	9.321	2.134	4.782	5.565	1.909	1.861
#1	.5562	-.0039	.1700	.0175	.0086	-.2107	-.0847
#2	.5523	-.0045	.1771	.0172	.0078	-.2064	-.0823
#3	.5511	-.0039	.1754	.0160	.0078	-.2028	-.0819

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0138	.0342	1.349	.0358	.0348	2.433	.0071
SDev	.0003	.0019	.091	.0004	.0011	.024	.0007
%RSD	2.126	5.608	6.723	1.020	3.268	.9802	10.13
#1	-.0141	.0349	1.272	.0360	.0351	2.420	.0063
#2	-.0135	.0357	1.449	.0354	.0358	2.461	.0073
#3	-.0138	.0320	1.325	.0360	.0336	2.419	.0077

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0090	-.0819	-.2358	.0254	.1337	1.751	-3.070
SDev	.0003	.0089	.0032	.0013	.0214	.008	.030
%RSD	3.449	10.83	1.376	5.240	15.98	.4598	.9890
#1	-.0090	-.0808	-.2395	.0239	.1498	1.761	-3.103
#2	-.0093	-.0913	-.2342	.0262	.1420	1.747	-3.064
#3	-.0087	-.0736	-.2336	.0261	.1095	1.746	-3.043

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.5549	-.1332	-.0272	-.0637	.7246	-.0029	-.0731
SDev	.0108	.0072	.0178	.0109	.0403	.0001	.0011
%RSD	1.955	5.402	65.42	17.08	5.559	3.826	1.449
#1	-.5654	-.1412	-.0448	-.0669	.6967	-.0030	-.0720
#2	-.5438	-.1311	-.0093	-.0516	.7708	-.0029	-.0732
#3	-.5554	-.1273	-.0274	-.0727	.7063	-.0027	-.0741

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.192	.0137	-.0093	469.7	.0131	-.0970	.0201
SDev	.040	.0003	.0086	3.0	.0012	.0121	.0003

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%RSD	.7664	1.826	92.56	.6411	9.291	12.48	1.638
#1	5.237	.0136	-.0191	473.2	.0120	-.0920	.0203
#2	5.177	.0134	-.0033	468.3	.0144	-.1109	.0197
#3	5.162	.0139	-.0054	467.8	.0130	-.0882	.0202

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0023	-.3683
SDev	.0008	.0040
%RSD	32.63	1.082
#1	.0021	-.3729
#2	.0016	-.3658
#3	.0031	-.3662

Analysis Report Wed 09-13-95 11:53:41 AM page 1

Method: ICP1 Sample Name: STD6 9508301106 Operator: DRS
Run Time: 09/13/95 11:52:21
Comment: SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0124	-1.475	.1213	-.0743	-.0000	.0045	-.1670
SDev	.0023	.023	.0081	.0022	.0002	.0001	.0109
%RSD	18.46	1.556	6.703	2.933	3904.	1.639	6.548
#1	.0104	-1.502	.1121	-.0753	-.0002	.0045	-.1733
#2	.0148	-1.460	.1276	-.0718	-.0001	.0046	-.1544
#3	.0118	-1.465	.1242	-.0758	.0003	.0046	-.1733

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5505	-.0057	.1577	.0151	.0059	-.2140	-.0864
SDev	.0014	.0004	.0085	.0023	.0014	.0044	.0012
%RSD	.2478	6.639	5.388	15.01	23.67	2.054	1.383
#1	.5518	-.0057	.1487	.0140	.0043	-.2172	-.0878
#2	.5491	-.0061	.1587	.0177	.0070	-.2090	-.0857
#3	.5506	-.0054	.1656	.0136	.0063	-.2158	-.0857

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0147	.0318	1.184	.0321	.0350	2.446	.0062
SDev	.0007	.0025	.145	.0010	.0006	.014	.0007
%RSD	4.691	7.764	12.22	3.030	1.632	.5663	11.77
#1	-.0154	.0299	1.025	.0331	.0343	2.455	.0058
#2	-.0140	.0346	1.219	.0312	.0351	2.452	.0070
#3	-.0146	.0309	1.308	.0319	.0355	2.430	.0057

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0107	-.0999	-.2522	.0266	.1440	1.757	-3.135
SDev	.0015	.0109	.0083	.0037	.0130	.002	.041
%RSD	13.64	10.88	3.297	14.05	9.019	.0972	1.310
#1	-.0116	-.1112	-.2515	.0245	.1296	1.759	-3.182
#2	-.0090	-.0989	-.2443	.0244	.1549	1.755	-3.103
#3	-.0115	-.0896	-.2609	.0310	.1474	1.757	-3.122

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.5819	-.1349	-.0435	-.0805	.6405	-.0032	-.0846
SDev	.0105	.0048	.0150	.0329	.0669	.0001	.0026
%RSD	1.798	3.576	34.41	40.82	10.44	4.354	3.109
#1	-.5915	-.1400	-.0578	-.1139	.5704	-.0033	-.0851
#2	-.5707	-.1342	-.0449	-.0481	.7035	-.0030	-.0818
#3	-.5834	-.1304	-.0279	-.0796	.6477	-.0031	-.0870

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.204	.0123	-.0183	477.1	.0097	-.1018	.0191
SDev	.013	.0004	.0061	3.1	.0020	.0073	.0006

%RSD	.2495	3.401	33.66	.6478	20.36	7.125	3.084
#1	5.218	.0121	-.0249	480.3	.0074	-.0943	.0185
#2	5.201	.0128	-.0127	474.2	.0106	-.1087	.0192
#3	5.192	.0121	-.0171	476.8	.0110	-.1024	.0197

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0006	-.3714
SDev	.0002	.0022
%RSD	35.51	.5968
#1	.0003	-.3739
#2	.0006	-.3706
#3	.0007	-.3697

Analysis Report QC Standard Wed 09-13-95 11:57:35 AM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/13/95 11:56:16
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DMB 9/13/96

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4714	24.07	2.478	1.930	.4919	.0901	23.72
SDev	.0016	.03	.010	.005	.0016	.0003	.08
%RSD	.3393	.1246	.4001	.2823	.3177	.3216	.3297
#1	.4697	24.06	2.478	1.925	.4904	Q.0898	23.66
#2	.4716	24.05	2.468	1.930	.4918	.0900	23.69
#3	.4728	24.11	2.488	1.936	.4936	.0904	23.81
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	24.08	.4824	-.0275	.9923	.9866	.9634	.0005
SDev	.08	.0041	.0033	.0036	.0002	.0043	.0002
%RSD	.3222	.8549	12.14	.3614	.0244	.4419	48.16
#1	24.00	.4812	-.0292	.9882	.9866	.9619	.0005
#2	24.08	.4870	-.0236	.9939	.9863	.9601	.0007
#3	24.15	.4791	-.0295	.9948	.9868	.9682	.0003
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	19.72	24.44	.0053	1.880	25.50	.4930
SDev	.0001	.06	.21	.0008	.014	.04	.0014
%RSD	5.304	.3012	.8525	15.21	.7705	.1567	.2824
#1	.0020	19.67	24.67	.0058	1.897	25.48	.4919
#2	.0020	19.70	24.26	.0043	1.871	25.47	.4926
#3	.0022	19.78	24.39	.0056	1.873	25.55	.4946
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	.9941	23.49	.0127	1.024	.0453	2.511	.0005
SDev	.0039	.11	.0009	.007	.0125	.003	.0022
%RSD	.3919	.4724	6.864	.6573	27.60	.1143	420.8
#1	.9899	23.62	.0120	1.016	.0314	2.512	-.0010
#2	.9976	23.42	.0136	1.028	.0491	2.514	-.0005
#3	.9947	23.43	.0124	1.028	.0555	2.508	.0031
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	.0039	2.432	2.423	18.07	-.0750	.4973	.0014
SDev	.0031	.016	.009	.04	.0043	.0012	.0035
%RSD	80.82	.6520	.3890	.1983	5.737	.2328	249.9
#1	.0008	2.414	2.433	18.04	-.0773	.4965	-.0023
#2	.0038	2.443	2.419	18.07	-.0701	.4968	.0017
#3	.0071	2.440	2.415	18.11	-.0777	.4986	.0047
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	.0423	.9651	2.461	.1267	.9536	.0226	.0005
SDev	.0041	.0026	.024	.0249	.0034	.0093	.0002
%RSD	9.616	.2660	.9596	19.70	.3546	41.13	33.56
#1	.0413	.9626	2.446	.1266	.9505	.0139	.0006
#2	.0388	.9650	2.488	.1516	.9530	.0215	.0006
#3	.0468	.9677	2.450	.1017	.9572	.0324	.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	.9802	1.978
SDev	.0056	.005
%RSD	.5694	.2708
#1	.9740	1.973
#2	.9818	1.978
#3	.9848	1.984
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Wed 09-13-95 12:01:25 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 12:00:05
Comment: SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	-.0039	.0007	.0017	-.0001	-.0000	-.0063
SDev	.0007	.0024	.0040	.0024	.0002	.0000	.0073
%RSD	112.8	61.13	571.8	138.5	155.0	672.8	116.2
#1	-.0003	-.0053	.0028	.0033	.0001	-.0000	-.0032
#2	-.0001	-.0011	.0032	.0028	-.0002	.0000	-.0147
#3	-.0015	-.0053	-.0039	-.0010	-.0003	.0000	-.0011

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0040	-.0001	-.0101	-.0003	.0005	.0016	-.0006
SDev	.0016	.0008	.0044	.0005	.0014	.0011	.0006
%RSD	38.85	819.8	44.22	171.1	251.4	68.06	88.75
#1	-.0035	-.0010	-.0081	.0001	-.0003	.0028	-.0003
#2	-.0028	.0001	-.0070	-.0001	.0021	.0011	-.0003
#3	-.0058	.0006	-.0152	-.0009	-.0002	.0009	-.0013

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0004	-.6361	-.0008	.0010	-.0011	-.0000
SDev	.0002	.0006	.0884	.0007	.0008	.0074	.0001
%RSD	68.94	162.1	13.89	93.05	78.06	679.3	496.4
#1	-.0002	.0009	-.6361	-.0007	.0004	.0035	-.0001
#2	-.0002	.0006	-.5478	-.0001	.0007	.0028	.0000
#3	-.0005	-.0003	-.7245	-.0015	.0019	-.0096	.0000

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0013	-.0010	-.0020	.0085	-.0084	.0053
SDev	.0012	.0025	.0022	.0024	.0129	.0060	.0039
%RSD	4437.	196.6	225.1	118.9	150.9	71.17	74.10
#1	.0005	.0001	-.0002	.0004	.0190	-.0059	.0079
#2	.0009	-.0042	.0007	-.0044	.0125	-.0152	.0072
#3	-.0013	.0002	-.0034	-.0020	-.0059	-.0041	.0008

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0036	.0013	.0041	-.0045	-.0030	.0003	-.0016
SDev	.0031	.0029	.0053	.0039	.0193	.0001	.0012
%RSD	86.42	222.3	131.4	85.79	634.3	25.08	74.71
#1	-.0030	.0010	.0099	-.0012	.0163	.0002	-.0018
#2	-.0008	.0044	.0029	-.0035	-.0033	.0003	-.0003
#3	-.0069	-.0015	-.0006	-.0088	-.0222	.0003	-.0026

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0064	-.0002	-.0081	-.0815	-.0008	.0033	-.0002
SDev	.0022	.0003	.0025	.0472	.0002	.0014	.0000

%RSD	34.63	107.4	30.93	57.87	19.00	43.64	20.14
#1	-.0068	.0000	-.0077	-.0470	-.0007	.0048	-.0002
#2	-.0040	-.0005	-.0058	-.0623	-.0010	.0032	-.0002
#3	-.0084	-.0003	-.0108	-.1353	-.0009	.0019	-.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0004	-.0005
SDev	.0010	.0002
%RSD	251.4	44.85
#1	.0004	-.0008
#2	-.0000	-.0004
#3	-.0016	-.0004

Analysis Report Wed 09-13-95 12:03:39 PM page 1

Method: ICP1 Sample Name: 95-007942-H1 @10 Operator: DRS
Run Time: 09/13/95 12:02:20
Comment: QTR SEG 2A @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0062	1.024	.0115	.0768	.0013	.0001	.0095
SDev	.0003	.003	.0044	.0010	.0001	.0000	.0053
%RSD	4.157	.3168	38.58	1.355	5.689	24.41	56.00
#1	.0060	1.027	.0069	.0761	.0013	.0001	.0034
#2	.0065	1.025	.0157	.0780	.0013	.0001	.0126
#3	.0062	1.021	.0119	.0762	.0012	.0002	.0126

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0006	.0316	.0077	.0100	.0023	.0047
SDev	.0004	.0009	.0021	.0004	.0014	.0006	.0006
%RSD	84.34	138.2	6.763	5.614	13.47	23.26	12.89
#1	.0005	.0015	.0305	.0078	.0114	.0027	.0045
#2	.0001	-.0002	.0301	.0080	.0100	.0017	.0054
#3	.0010	.0005	.0340	.0072	.0087	.0026	.0043

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.6294	1136.	.0086	.0056	.0311	.0410
SDev	.0002	.0009	4.	.0015	.0004	.0037	.0001
%RSD	10.73	.1452	.3296	17.03	6.674	11.77	.1782
#1	.0014	.6301	1139.	.0084	.0060	.0305	.0410
#2	.0015	.6298	1137.	.0073	.0052	.0278	.0410
#3	.0017	.6284	1132.	.0102	.0056	.0350	.0411

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0057	25.37	.0324	.4066	.0899	.0372	.0959
SDev	.0006	.12	.0015	.0012	.0050	.0070	.0050
%RSD	10.18	.4703	4.555	.3037	5.514	18.87	5.245
#1	.0052	25.45	.0326	.4076	.0911	.0312	.0912
#2	.0057	25.42	.0308	.4069	.0941	.0355	.0954
#3	.0063	25.23	.0338	.4052	.0844	.0449	.1012

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0444	.0201	.0195	.0913	.1523	.0013	.0262
SDev	.0016	.0016	.0035	.0050	.0103	.0001	.0031
%RSD	3.698	7.761	18.16	5.437	6.730	5.234	11.96
#1	.0429	.0200	.0230	.0868	.1478	.0012	.0290
#2	.0462	.0217	.0159	.0966	.1451	.0012	.0267
#3	.0441	.0186	.0196	.0904	.1640	.0014	.0228

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0041	.0180	.4126	.0038	.0136	.0021
SDev	.0066	.0001	.0037	.0355	.0002	.0048	.0002

%RSD	2154.	3.736	20.80	8.600	4.853	35.10	7.852
#1	.0079	.0040	.0152	.3728	.0038	.0126	.0020
#2	-.0027	.0042	.0223	.4242	.0041	.0094	.0020
#3	-.0043	.0040	.0165	.4409	.0037	.0188	.0023

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0049	.0033
SDev	.0007	.0008
%RSD	14.94	23.79
#1	.0056	.0026
#2	.0041	.0041
#3	.0049	.0031

Analysis Report Wed 09-13-95 12:07:12 PM page

Method: ICP1 Sample Name: 95-007942-H1 @2 Operator: DRS
Run Time: 09/13/95 12:05:53
Comment: QTR SEG 2A @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0119	4.796	.0438	.3446	.0034	.0003	.0301
SDev	.0005	.046	.0042	.0017	.0001	.0000	.0007
%RSD	4.319	.9645	9.526	.4812	4.163	4.820	2.223
#1	.0114	4.827	.0397	.3452	.0033	.0003	.0308
#2	.0124	4.743	.0481	.3428	.0035	.0003	.0295
#3	.0117	4.818	.0436	.3459	.0033	.0003	.0299

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.109	.0037	.0600	.0254	.0418	.0002	.0098
SDev	.006	.0018	.0104	.0013	.0015	.0016	.0007
%RSD	.5845	47.26	17.38	5.008	3.486	707.6	6.985
#1	1.115	.0017	.0511	.0251	.0409	.0008	.0096
#2	1.102	.0047	.0715	.0268	.0409	.0015	.0106
#3	1.109	.0048	.0575	.0243	.0434	-.0016	.0093

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	2.944	5035.	.0161	.0119	.0739	.1929
SDev	.0001	.026	75.	.0011	.0014	.0044	.0016
%RSD	4.555	.8783	1.488	6.831	11.84	6.008	.8124
#1	.0031	2.965	5080.	.0153	.0126	.0688	.1936
#2	.0033	2.915	4948.	.0174	.0129	.0765	.1911
#3	.0030	2.953	5076.	.0157	.0103	.0764	.1940

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0148	116.2	.0625	1.913	.4083	.0915	.1816
SDev	.0006	2.3	.0091	.012	.0106	.0055	.0082
%RSD	3.806	1.937	14.52	.6350	2.585	6.029	4.495
#1	.0143	117.5	.0535	1.922	.4130	.0853	.1764
#2	.0154	113.6	.0717	1.899	.3962	.0936	.1910
#3	.0148	117.4	.0622	1.917	.4157	.0957	.1773

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0889	.0523	.0490	.4117	.2886	.0042	.0585
SDev	.0116	.0105	.0121	.0027	.0284	.0001	.0045
%RSD	13.01	20.09	24.72	.6522	9.833	2.711	7.657
#1	.0839	.0590	.0424	.4097	.2652	.0042	.0558
#2	.1021	.0576	.0629	.4148	.3201	.0043	.0637
#3	.0807	.0402	.0415	.4107	.2805	.0041	.0561

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0144	.0129	.0498	.9273	.0089	.0359	.0041
SDev	.0028	.0004	.0022	.1170	.0012	.0133	.0005

%RSD	19.32	2.767	4.421	12.62	12.97	37.13	11.39
#1	.0119	.0128	.0485	.8214	.0083	.0205	.0039
#2	.0138	.0133	.0485	1.053	.0103	.0433	.0047
#3	.0174	.0126	.0523	.9074	.0082	.0438	.0038

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0407	.0070
SDev	.0003	.0010
%RSD	.7103	14.67
#1	.0404	.0066
#2	.0407	.0082
#3	.0410	.0063

Analysis Report Wed 09-13-95 12:11:13 PM page 1

Method: ICP1 Sample Name: 95-007942-H2 @10 Operator: DRS
Run Time: 09/13/95 12:09:54
Comment: QTR SEG 2A DUP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0044	1.229	.0099	.0208	.0011	.0001	-.0064
SDev	.0002	.002	.0064	.0021	.0001	.0000	.0035
%RSD	3.813	.1329	64.82	9.954	11.52	25.71	54.65
#1	.0042	1.229	.0107	.0232	.0011	.0001	-.0080
#2	.0045	1.228	.0031	.0197	.0009	.0001	-.0089
#3	.0045	1.231	.0158	.0195	.0012	.0001	-.0024

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0169	.0025	.0160	.0067	.0144	.0344	.0031
SDev	.0002	.0013	.0029	.0005	.0020	.0009	.0005
%RSD	1.010	53.58	18.46	7.661	13.63	2.755	15.72
#1	.0169	.0012	.0193	.0064	.0122	.0350	.0033
#2	.0167	.0024	.0151	.0064	.0160	.0333	.0026
#3	.0171	.0039	.0136	.0073	.0149	.0349	.0035

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.2984	1202.	.0050	.0051	.0290	.0352
SDev	.0001	.0008	3.	.0014	.0009	.0067	.0001
%RSD	11.22	.2828	.2211	28.13	16.90	22.95	.4187
#1	.0009	.2992	1200.	.0053	.0056	.0355	.0354
#2	.0007	.2984	1205.	.0035	.0056	.0295	.0352
#3	.0009	.2975	1201.	.0062	.0041	.0222	.0351

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	25.04	.0216	.1775	.1102	.0282	.0664
SDev	.0008	.13	.0041	.0024	.0231	.0076	.0059
%RSD	13.74	.5208	19.06	1.372	20.99	26.90	8.903
#1	.0065	24.89	.0170	.1748	.1261	.0275	.0673
#2	.0050	25.12	.0228	.1782	.1208	.0211	.0601
#3	.0054	25.11	.0250	.1795	.0837	.0362	.0718

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0300	.0174	.0229	.1276	.0990	.0011	.0158
SDev	.0054	.0056	.0045	.0034	.0079	.0000	.0063
%RSD	17.90	32.41	19.70	2.637	8.024	.3297	39.96
#1	.0335	.0168	.0221	.1266	.0977	.0011	.0160
#2	.0238	.0121	.0277	.1313	.1075	.0011	.0094
#3	.0327	.0233	.0188	.1248	.0918	.0011	.0220

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0035	.0038	.0154	.2810	.0027	.0130	.0015
SDev	.0032	.0002	.0037	.0427	.0003	.0040	.0003

%RSD	92.62	6.204	24.04	15.21	9.761	30.98	19.50
#1	.0002	.0038	.0118	.2843	.0027	.0161	.0015
#2	-.0052	.0036	.0192	.2367	.0024	.0084	.0012
#3	-.0055	.0040	.0153	.3219	.0030	.0144	.0018

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0244	.0025
SDev	.0009	.0003
%RSD	3.766	13.98
#1	.0248	.0021
#2	.0250	.0028
#3	.0233	.0027

Analysis Report Wed 09-13-95 12:15:07 PM page :

Method: ICP1 Sample Name: 95-007942-H2 @2 Operator: DRS
Run Time: 09/13/95 12:13:47
Comment: QTR SEG 2A DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0119	5.794	.0344	.0827	.0038	.0003	.0256
SDev	.0015	.092	.0037	.0040	.0003	.0000	.0030
%RSD	12.75	1.587	10.85	4.873	6.831	16.05	11.60
#1	.0124	5.779	.0386	.0838	.0037	.0003	.0224
#2	.0102	5.893	.0314	.0861	.0036	.0002	.0261
#3	.0131	5.711	.0333	.0783	.0040	.0003	.0283

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.200	.0052	.0477	.0231	.0679	.1812	.0071
SDev	.018	.0016	.0070	.0003	.0019	.0019	.0011
%RSD	1.486	31.08	14.69	1.449	2.779	1.025	15.96
#1	1.197	.0041	.0511	.0234	.0691	.1816	.0077
#2	1.219	.0070	.0397	.0227	.0689	.1828	.0058
#3	1.184	.0044	.0524	.0232	.0657	.1792	.0078

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	1.392	5229.	.0130	.0108	.0786	.1655
SDev	.0003	.024	69.	.0026	.0015	.0048	.0029
%RSD	12.36	1.715	1.318	20.22	13.97	6.118	1.758
#1	.0026	1.386	5211.	.0134	.0099	.0791	.1646
#2	.0021	1.418	5306.	.0101	.0099	.0735	.1687
#3	.0027	1.371	5171.	.0153	.0125	.0831	.1631

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0157	111.8	.0474	.8507	.4589	.0799	.1342
SDev	.0013	1.1	.0092	.0127	.0107	.0056	.0190
%RSD	8.104	.9469	19.30	1.497	2.329	6.985	14.13
#1	.0158	111.6	.0504	.8450	.4710	.0846	.1450
#2	.0144	112.9	.0371	.8653	.4507	.0738	.1123
#3	.0170	110.8	.0547	.8419	.4550	.0814	.1453

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0673	.0443	.0442	.5947	.2318	.0042	.0535
SDev	.0138	.0111	.0147	.0061	.0265	.0000	.0052
%RSD	20.43	25.02	33.30	1.023	11.44	.2028	9.687
#1	.0692	.0569	.0575	.5983	.2470	.0042	.0547
#2	.0527	.0400	.0468	.5981	.2011	.0042	.0479
#3	.0800	.0361	.0284	.5877	.2471	.0042	.0581

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0108	.0144	.0359	.7014	.0078	.0326	.0031
SDev	.0051	.0004	.0080	.0885	.0012	.0069	.0007

Analysis Report

Wed 09-13-95 12:15:07 PM

%RSD	46.96	2.889	22.40	12.61	15.54	21.27	23.46
#1	.0132	.0149	.0413	.7294	.0085	.0283	.0030
#2	.0050	.0140	.0398	.6023	.0064	.0288	.0025
#3	.0142	.0144	.0267	.7725	.0086	.0406	.0039

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1384	.0060
SDev	.0036	.0006
%RSD	2.578	10.83
#1	.1413	.0066
#2	.1396	.0053
#3	.1344	.0063

Analysis Report Wed 09-13-95 12:19:10 PM page 1

Method: ICP1 Sample Name: 95-007943-H1 @10 Operator: DRS
Run Time: 09/13/95 12:17:51
Comment: QTR SEG 2D @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	24.83	.0220	.0241	.0024	.0002	.0083
SDev	.0011	.20	.0110	.0010	.0002	.0001	.0066
%RSD	23.24	.8048	50.07	4.025	7.969	24.04	79.94
#1	.0042	25.02	.0168	.0233	.0023	.0002	.0129
#2	.0058	24.62	.0346	.0252	.0026	.0003	.0113
#3	.0037	24.85	.0145	.0238	.0022	.0002	.0007

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0581	.0020	.0217	.0112	.0634	.0820	.0038
SDev	.0024	.0005	.0106	.0005	.0008	.0007	.0009
%RSD	4.104	25.98	48.96	4.813	1.254	.8447	23.43
#1	.0576	.0016	.0184	.0112	.0636	.0820	.0037
#2	.0607	.0019	.0335	.0117	.0641	.0813	.0047
#3	.0560	.0026	.0131	.0107	.0625	.0827	.0029

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.2548	1174.	.0056	.0218	.0376	.0729
SDev	.0004	.0019	20.	.0021	.0004	.0072	.0005
%RSD	39.12	.7275	1.667	37.99	1.994	19.29	.7311
#1	.0009	.2566	1187.	.0047	.0220	.0375	.0731
#2	.0017	.2549	1152.	.0081	.0213	.0448	.0732
#3	.0009	.2529	1184.	.0041	.0220	.0303	.0723

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0067	52.26	.0231	.5811	.8479	.0423	.0742
SDev	.0019	1.09	.0081	.0058	.0172	.0084	.0242
%RSD	28.03	2.084	34.98	.9928	2.034	19.80	32.62
#1	.0078	52.93	.0202	.5802	.8334	.0341	.0622
#2	.0078	51.01	.0322	.5872	.8670	.0508	.1021
#3	.0046	52.85	.0168	.5758	.8434	.0420	.0583

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0326	.0095	.0252	.4132	.1150	.0055	.0140
SDev	.0106	.0128	.0067	.0057	.0309	.0001	.0118
%RSD	32.40	135.4	26.68	1.372	26.91	2.331	84.39
#1	.0299	-.0047	.0225	.4118	.0930	.0055	.0114
#2	.0442	.0202	.0328	.4194	.1503	.0057	.0269
#3	.0236	.0129	.0202	.4083	.1016	.0054	.0037

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0091	.0616	.3864	.0038	.0216	.0014
SDev	.0029	.0006	.0052	.1244	.0009	.0020	.0005

%RSD	507.6	6.244	8.439	32.20	23.22	9.314	33.07
#1	.0028	.0089	.0669	.2621	.0037	.0239	.0012
#2	-.0026	.0097	.0614	.5110	.0048	.0201	.0020
#3	-.0019	.0086	.0565	.3860	.0030	.0207	.0011

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0127	.0028
SDev	.0011	.0011
%RSD	8.501	37.65
#1	.0132	.0023
#2	.0115	.0040
#3	.0135	.0021

Analysis Report Wed 09-13-95 12:22:53 PM page

Method: ICP1 Sample Name: 95-007943-H1 @2 Operator: DRS
Run Time: 09/13/95 12:21:34
Comment: QTR SEG 2D @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0118	119.3	.1395	.1060	.0096	.0006	.0427
SDev	.0019	2.0	.0063	.0020	.0001	.0000	.0102
%RSD	15.66	1.669	4.485	1.913	1.461	2.617	23.94
#1	.0121	118.9	.1325	.1049	.0095	.0006	.0457
#2	.0134	117.4	.1415	.1047	.0098	.0006	.0510
#3	.0098	121.4	.1445	.1083	.0095	.0006	.0313

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.437	.0053	.0470	.0449	.2983	.3928	.0075
SDev	.011	.0003	.0068	.0002	.0024	.0046	.0017
%RSD	.7593	5.772	14.45	.4840	.8205	1.174	22.87
#1	1.435	.0051	.0466	.0448	.2955	.3932	.0074
#2	1.426	.0057	.0540	.0452	.2993	.3880	.0092
#3	1.448	.0053	.0405	.0448	.3001	.3972	.0058

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	1.193	5149.	.0136	.0904	.1267	.3455
SDev	.0006	.013	92.	.0027	.0024	.0057	.0042
%RSD	24.22	1.096	1.786	19.72	2.655	4.497	1.205
#1	.0024	1.189	5130.	.0139	.0886	.1299	.3447
#2	.0028	1.182	5069.	.0161	.0894	.1301	.3417
#3	.0017	1.207	5250.	.0108	.0931	.1201	.3500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0251	235.1	.0465	2.737	4.211	.1778	.1351
SDev	.0009	4.9	.0058	.028	.042	.0150	.0301
%RSD	3.456	2.070	12.50	1.014	.9970	8.460	22.27
#1	.0254	234.2	.0460	2.745	4.256	.1784	.1365
#2	.0241	230.8	.0526	2.706	4.173	.1925	.1644
#3	.0257	240.4	.0410	2.760	4.204	.1624	.1043

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0670	.0207	.0587	1.989	.2535	.0247	.0350
SDev	.0102	.0079	.0038	.028	.0497	.0003	.0132
%RSD	15.24	38.09	6.455	1.407	19.61	1.266	37.80
#1	.0682	.0219	.0577	1.989	.2829	.0247	.0421
#2	.0767	.0280	.0629	1.960	.2815	.0244	.0433
#3	.0563	.0123	.0556	2.016	.1961	.0251	.0197

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0118	.0390	.2716	.9022	.0113	.0757	.0028
SDev	.0041	.0001	.0063	.1371	.0014	.0066	.0007

%RSD	34.45	.2637	2.318	15.19	11.98	8.668	25.28
#1	.0159	.0389	.2644	.8706	.0113	.0700	.0029
#2	.0077	.0391	.2760	1.052	.0127	.0742	.0034
#3	.0119	.0391	.2743	.7837	.0100	.0829	.0020

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0844	.0058
SDev	.0015	.0012
%RSD	1.733	21.10
#1	.0833	.0059
#2	.0839	.0069
#3	.0861	.0045

Analysis Report

Wed 09-13-95 12:26:46 PM page

Method: ICP1 Sample Name: 95-007943-H2 @10 Operator: DRS
Run Time: 09/13/95 12:25:26
Comment: QTR SEG 2D DUP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	22.17	.0369	.0254	.0025	.0002	.0109
SDev	.0021	.40	.0076	.0011	.0003	.0000	.0032
%RSD	31.71	1.811	20.68	4.310	11.22	18.87	29.75
#1	.0042	22.63	.0319	.0241	.0022	.0002	.0074
#2	.0073	21.98	.0456	.0262	.0027	.0002	.0116
#3	.0082	21.90	.0330	.0258	.0027	.0002	.0138

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0365	.0022	.0332	.0137	.0599	.0092	.0051
SDev	.0027	.0004	.0126	.0015	.0026	.0005	.0016
%RSD	7.344	17.76	37.92	10.79	4.296	5.066	32.21
#1	.0338	.0018	.0188	.0125	.0622	.0089	.0033
#2	.0364	.0026	.0391	.0133	.0603	.0089	.0053
#3	.0392	.0021	.0418	.0154	.0571	.0097	.0066

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.3891	1162.	.0087	.0223	.0340	.0963
SDev	.0006	.0047	23.	.0034	.0015	.0063	.0011
%RSD	36.98	1.216	1.987	38.82	6.764	18.38	1.198
#1	.0010	.3946	1188.	.0048	.0205	.0289	.0976
#2	.0018	.3863	1150.	.0107	.0231	.0410	.0959
#3	.0023	.3865	1147.	.0106	.0231	.0321	.0954

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0079	52.35	.0356	1.077	.7586	.0523	.1032
SDev	.0012	1.12	.0106	.021	.0197	.0067	.0322
%RSD	15.32	2.140	29.70	1.922	2.591	12.84	31.21
#1	.0065	53.64	.0235	1.100	.7657	.0448	.0700
#2	.0086	51.70	.0405	1.070	.7363	.0542	.1055
#3	.0086	51.70	.0429	1.061	.7737	.0578	.1343

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0505	.0105	.0338	.3864	.1631	.0049	.0189
SDev	.0179	.0055	.0029	.0026	.0585	.0001	.0086
%RSD	35.51	52.54	8.440	.6722	35.84	2.128	45.62
#1	.0307	.0057	.0308	.3893	.0976	.0048	.0090
#2	.0550	.0092	.0342	.3858	.2099	.0049	.0245
#3	.0657	.0165	.0364	.3842	.1819	.0051	.0231

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0091	.0671	.5903	.0048	.0314	.0023
SDev	.0068	.0007	.0094	.1780	.0011	.0056	.0005

%RSD	27290.	7.466	13.95	30.16	23.67	17.82	22.97
#1	-.0058	.0083	.0750	.3871	.0035	.0316	.0017
#2	.0075	.0094	.0568	.6652	.0053	.0370	.0025
#3	-.0018	.0095	.0694	.7186	.0056	.0258	.0028

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0114	.0043
SDev	.0016	.0013
%RSD	13.75	29.62
#1	.0123	.0031
#2	.0096	.0043
#3	.0122	.0057

Analysis Report Wed 09-13-95 12:31:10 PM page :

Method: ICP1 Sample Name: 95-007943-H2 @2 Operator: DRS
Run Time: 09/13/95 12:29:51
Comment: QTR SEB 2D DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	109.5	.1184	.1048	.0081	.0005	.0428
SDev	.0014	1.2	.0120	.0010	.0002	.0001	.0107
%RSD	12.27	1.056	10.16	.9586	2.311	9.740	24.98
#1	.0101	110.0	.1083	.1047	.0079	.0004	.0404
#2	.0128	108.1	.1317	.1059	.0083	.0005	.0544
#3	.0110	110.3	.1152	.1039	.0080	.0005	.0334

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.448	.0075	.0379	.0512	.2819	.0375	.0061
SDev	.008	.0009	.0092	.0011	.0038	.0009	.0012
%RSD	.5597	12.01	24.25	2.150	1.337	2.510	19.48
#1	1.444	.0069	.0311	.0499	.2787	.0377	.0049
#2	1.442	.0071	.0484	.0519	.2810	.0383	.0072
#3	1.457	.0086	.0343	.0518	.2860	.0365	.0060

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	1.868	5197.	.0119	.0796	.0971	.4643
SDev	.0003	.013	50.	.0018	.0009	.0057	.0031
%RSD	14.90	.6875	.9671	15.48	1.178	5.827	.6593
#1	.0018	1.868	5228.	.0101	.0786	.0958	.4642
#2	.0023	1.854	5139.	.0138	.0804	.1033	.4613
#3	.0019	1.880	5224.	.0118	.0797	.0922	.4674

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0240	239.8	.0396	5.164	3.639	.1541	.1185
SDev	.0016	2.7	.0078	.053	.037	.0167	.0301
%RSD	6.661	1.117	19.74	1.033	1.007	10.81	25.40
#1	.0242	241.7	.0351	5.159	3.681	.1445	.0888
#2	.0223	236.7	.0486	5.113	3.619	.1733	.1490
#3	.0255	240.9	.0350	5.220	3.616	.1445	.1176

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0593	.0230	.0555	1.877	.2130	.0218	.0271
SDev	.0064	.0088	.0049	.015	.0387	.0002	.0074
%RSD	10.74	38.13	8.765	.7942	18.17	.8607	27.14
#1	.0542	.0146	.0592	1.877	.1789	.0217	.0187
#2	.0665	.0321	.0500	1.862	.2551	.0216	.0325
#3	.0572	.0223	.0574	1.892	.2050	.0220	.0301

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0096	.0356	.2589	.7737	.0096	.0686	.0026
SDev	.0022	.0004	.0097	.1311	.0010	.0112	.0003

%RSD	22.98	1.040	3.743	16.95	10.02	16.39	11.38
#1	.0119	.0352	.2478	.6375	.0087	.0648	.0024
#2	.0096	.0359	.2655	.8990	.0106	.0813	.0029
#3	.0074	.0355	.2634	.7845	.0095	.0598	.0024

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0800	.0052
SDev	.0011	.0014
%RSD	1.436	27.64
#1	.0813	.0041
#2	.0792	.0068
#3	.0796	.0046

Analysis Report QC Standard Wed 09-13-95 12:35:25 PM page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/13/95 12:34:06
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS RMS 9/13/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4769	24.49	2.499	1.953	.4993	.0908	23.97
SDev	.0047	.19	.013	.020	.0051	.0007	.18
%RSD	.9780	.7614	.5324	1.003	1.025	.8060	.7677
#1	.4757	24.48	2.497	1.948	.4983	.0908	23.98
#2	.4729	24.31	2.487	1.936	.4947	.0901	23.78
#3	.4820	24.68	2.514	1.974	.5048	.0916	24.15
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.26	.4845	-.0351	.9977	.9911	.9742	-.0004
SDev	.18	.0051	.0016	.0070	.0123	.0084	.0008
%RSD	.7558	1.061	4.568	.7045	1.238	.8593	182.3
#1	24.20	.4884	-.0354	.9945	.9994	.9710	-.0006
#2	24.12	.4787	-.0334	.9927	.9770	.9680	.0004
#3	24.47	.4864	-.0366	1.006	.9968	.9838	-.0011
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	19.89	26.39	.0038	1.998	25.79	.4967
SDev	.0003	.18	.35	.0008	.007	.21	.0044
%RSD	13.08	.9029	1.313	19.92	.3569	.8020	.8920
#1	.0016	19.85	26.43	.0044	1.999	25.74	.4955
#2	.0021	19.73	26.72	.0030	1.990	25.61	.4929
#3	.0020	20.08	26.03	.0041	2.004	26.01	.5016
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	1.008	25.20	.0087	1.027	.0603	2.531	-.0134
SDev	.010	.05	.0043	.006	.0218	.016	.0110
%RSD	1.034	.1841	49.53	.5922	36.18	.6233	81.93
#1	1.002	25.20	.0090	1.027	.0837	2.515	-.0201
#2	1.001	25.15	.0129	1.022	.0567	2.531	-.0007
#3	1.020	25.24	.0043	1.034	.0405	2.547	-.0194
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	-.0015	2.464	2.439	18.29	-.1086	.5046	-.0096
SDev	.0038	.022	.021	.13	.0323	.0051	.0103
%RSD	264.5	.9044	.8729	.7340	29.76	1.002	107.7
#1	-.0019	2.465	2.419	18.25	-.1052	.5042	-.0143
#2	.0026	2.441	2.436	18.19	-.0781	.4998	.0023
#3	-.0050	2.485	2.462	18.44	-.1425	.5099	-.0167
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	.0396	.9766	2.526	-.0641	.9634	.0210	-.0003
SDev	.0058	.0086	.026	.0656	.0083	.0061	.0003
%RSD	14.59	.8786	1.036	102.4	.8633	29.15	102.0
#1	.0404	.9754	2.511	-.1154	.9624	.0201	-.0005
#2	.0334	.9687	2.510	.0098	.9557	.0154	.0001
#3	.0448	.9857	2.556	-.0867	.9722	.0275	-.0005
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	.9962	2.000
SDev	.0065	.017
%RSD	.6495	.8726
#1	.9954	1.997
#2	.9901	1.985
#3	1.003	2.019
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Wed 09-13-95 12:39:30 PM page

Method: ICP1 Sample Name: SST-ICS-2 950908I102 Operator: DRS
Run Time: 09/13/95 12:38:11
Comment: QTR SEG 2D DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	92.62	.1652	.0062	.0020	.0009	.0760
SDev	.0003	.19	.0076	.0019	.0001	.0000	.0073
%RSD	13.68	.2088	4.605	30.51	6.413	2.651	9.622
#1	.0027	92.44	.1616	.0084	.0020	.0009	.0756
#2	.0021	92.83	.1602	.0055	.0019	.0009	.0835
#3	.0026	92.59	.1740	.0048	.0021	.0009	.0689

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0637	.0103	-.0845	.0136	.0381	-.0472	.0041
SDev	.0010	.0006	.0052	.0005	.0014	.0008	.0006
%RSD	1.621	6.304	6.206	3.594	3.577	1.719	15.35
#1	.0631	.0111	-.0859	.0131	.0384	-.0463	.0048
#2	.0649	.0099	-.0890	.0136	.0393	-.0474	.0037
#3	.0632	.0101	-.0788	.0141	.0366	-.0479	.0037

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	18.60	4135.	.0150	.0102	.3117	.0029
SDev	.0001	.05	15.	.0017	.0006	.0094	.0003
%RSD	3.401	.2666	.3672	11.60	5.594	3.027	10.92
#1	.0028	18.62	4117.	.0163	.0108	.3214	.0025
#2	.0027	18.64	4143.	.0131	.0097	.3025	.0031
#3	.0026	18.55	4144.	.0157	.0100	.3111	.0031

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0159	.3301	.0224	48.71	.0945	.2502	-.2102
SDev	.0010	.0044	.0027	.13	.0138	.0033	.0065
%RSD	6.024	1.334	12.10	.2602	14.59	1.328	3.100
#1	.0154	.3344	.0231	48.78	.1098	.2535	-.2043
#2	.0170	.3256	.0194	48.79	.0907	.2469	-.2172
#3	.0153	.3303	.0247	48.57	.0831	.2503	-.2090

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0376	.0406	.0739	.0891	.2676	.0007	.0537
SDev	.0061	.0052	.0095	.0038	.0028	.0001	.0106
%RSD	16.21	12.78	12.79	4.286	1.045	16.41	19.70
#1	.0421	.0375	.0747	.0873	.2707	.0006	.0630
#2	.0306	.0376	.0641	.0866	.2666	.0007	.0559
#3	.0400	.0465	.0830	.0935	.2654	.0009	.0422

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6268	.0052	.2455	45.48	.0096	.0646	.0060
SDev	.0140	.0001	.0119	.08	.0002	.0073	.0002

%RSD	2.229	2.822	4.835	.1783	2.313	11.37	2.618
#1	.6157	.0051	.2580	45.45	.0096	.0703	.0061
#2	.6425	.0054	.2440	45.58	.0093	.0672	.0061
#3	.6221	.0052	.2344	45.43	.0098	.0563	.0058

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0240	9.559
SDev	.0025	.025
%RSD	10.31	.2621
#1	-.0236	9.560
#2	-.0267	9.583
#3	-.0218	9.533

Analysis Report Wed 09-13-95 12:43:27 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 12:42:07
Comment: QTR SEG 2D DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0237	.0020	.0012	.0002	.0000	-.0088
SDev	.0008	.0064	.0034	.0016	.0003	.0000	.0055
%RSD	68.98	26.97	170.7	136.9	156.9	98.59	62.23
#1	.0006	.0271	.0008	.0026	.0001	.0000	-.0120
#2	.0021	.0278	-.0006	.0014	.0005	.0001	-.0118
#3	.0008	.0164	.0058	-.0005	-.0000	.0000	-.0025

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	-.0001	.0037	.0010	.0010	.0014	.0011
SDev	.0021	.0012	.0058	.0010	.0011	.0015	.0005
%RSD	147.7	1286.	158.0	102.3	109.2	105.0	49.52
#1	-.0030	.0006	.0019	-.0001	.0018	.0006	.0008
#2	.0010	-.0015	.0102	.0011	.0016	.0031	.0017
#3	-.0023	.0006	-.0010	.0018	-.0003	.0005	.0007

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0046	.6302	.0026	.0020	.0042	.0001
SDev	.0003	.0007	.2857	.0016	.0013	.0055	.0001
%RSD	76.03	15.35	45.32	61.02	65.87	131.3	117.4
#1	.0003	.0047	.7952	.0019	.0034	.0031	-.0000
#2	.0008	.0052	.7952	.0043	.0019	.0101	.0002
#3	.0002	.0038	.3004	.0014	.0007	-.0007	.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0098	.0049	.0123	-.0061	.0047	.0320
SDev	.0018	.0213	.0056	.0018	.0025	.0106	.0108
%RSD	154.6	217.7	113.9	14.93	41.45	224.0	33.86
#1	.0005	.0297	.0035	.0135	-.0066	-.0015	.0278*
#2	.0033	.0125	.0111	.0131	-.0034	.0170	.0443
#3	-.0002	-.0128	.0001	.0102	-.0083	-.0013	.0239

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0129	.0024	-.0031	.0000	.0175	.0004	.0023
SDev	.0046	.0071	.0025	.0027	.0206	.0001	.0007
%RSD	35.59	297.4	79.87	13520.	117.8	33.85	31.57
#1	.0151	.0007	-.0003	.0001	.0196	.0003	.0016
#2	.0161	.0102	-.0048	.0027	.0369	.0005	.0031
#3	.0076	-.0037	-.0042	-.0028	-.0041	.0003	.0023

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0025	.0005	-.0032	.0778	.0004	.0017	.0004
SDev	.0043	.0005	.0017	.0787	.0006	.0046	.0005

%RSD	172.7	99.72	53.74	101.2	141.5	263.6	136.4
#1	-.0066	.0005	-.0044	.0951	.0007	.0028	.0000
#2	.0019	.0010	-.0012	.1463	.0008	.0057	.0009
#3	-.0027	.0000	-.0039	-.0082	-.0003	-.0033	.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0008	.0027
SDev	.0005	.0009
%RSD	64.16	33.69
#1	-.0004	.0030
#2	-.0006	.0033
#3	-.0013	.0016

Analysis Report Wed 09-13-95 12:45:35 PM page 1

Method: ICP1 Sample Name: 95-007944-H1 @10 Operator: DRS
Run Time: 09/13/95 12:44:16
Comment: QTR SEG 3A @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0055	4.831	.0113	.1439	.0026	.0001	.0064
SDev	.0004	.027	.0030	.0027	.0001	.0000	.0013
%RSD	6.595	.5493	26.26	1.888	4.824	22.02	19.72
#1	.0059	4.801	.0131	.1408	.0027	.0001	.0060
#2	.0053	4.851	.0079	.1460	.0026	.0002	.0079
#3	.0053	4.842	.0130	.1447	.0024	.0001	.0054

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0260	.0016	.0225	.0100	.0216	.0137	.0042
SDev	.0013	.0006	.0058	.0003	.0011	.0019	.0009
%RSD	5.096	35.20	25.84	2.668	5.100	14.19	22.08
#1	.0274	.0021	.0289	.0102	.0217	.0151	.0053
#2	.0247	.0017	.0175	.0101	.0205	.0115	.0036
#3	.0258	.0010	.0212	.0097	.0227	.0145	.0038

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.2132	1076.	.0071	.0072	.0374	.0971
SDev	.0002	.0014	4.	.0014	.0017	.0085	.0006
%RSD	16.37	.6345	.3829	19.34	23.33	22.68	.6382
#1	.0017	.2118	1072.	.0082	.0089	.0446	.0964
#2	.0012	.2145	1080.	.0056	.0056	.0280	.0976
#3	.0014	.2133	1075.	.0077	.0071	.0395	.0973

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	22.61	.0270	.2669	.6983	.0370	.0839
SDev	.0010	.02	.0034	.0022	.0121	.0080	.0161
%RSD	23.47	.0876	12.40	.8117	1.730	21.58	19.15
#1	.0051	22.60	.0283	.2684	.6885	.0458	.1020
#2	.0033	22.63	.0232	.2678	.6945	.0352	.0713
#3	.0051	22.60	.0295	.2644	.7118	.0301	.0783

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0394	.0192	.0250	.2496	.1300	.0218	.0217
SDev	.0046	.0112	.0092	.0061	.0222	.0001	.0065
%RSD	11.60	58.28	36.82	2.458	17.07	.3466	30.01
#1	.0445	.0322	.0322	.2532	.1395	.0217	.0290
#2	.0356	.0130	.0282	.2531	.1046	.0219	.0164
#3	.0382	.0125	.0146	.2425	.1458	.0217	.0197

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.0058	.0251	.3952	.0042	.0350	.0016
SDev	.0024	.0002	.0044	.0854	.0006	.0032	.0006

%RSD	62.03	4.018	17.70	21.61	15.29	9.060	36.94
#1	.0011	.0061	.0242	.4848	.0050	.0374	.0023
#2	.0052	.0058	.0211	.3148	.0039	.0362	.0011
#3	.0051	.0056	.0299	.3858	.0038	.0314	.0014

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0110	.0039
SDev	.0004	.0010
%RSD	3.398	26.93
#1	.0114	.0050
#2	.0108	.0035
#3	.0107	.0030

Analysis Report Wed 09-13-95 12:49:25 PM page 1

Method: ICP1 Sample Name: 95-007944-H1 @2 Operator: DRS
Run Time: 09/13/95 12:48:05
Comment: QTR SEG 3A @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0134	22.63	.0584	.6593	.0098	.0004	.0363
SDev	.0013	.15	.0040	.0030	.0001	.0000	.0118
%RSD	9.792	.6519	6.889	.4505	1.255	2.968	32.65
#1	.0120	22.75	.0538	.6626	.0096	.0004	.0227
#2	.0136	22.68	.0597	.6569	.0098	.0004	.0447
#3	.0146	22.46	.0615	.6585	.0099	.0004	.0414

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6858	.0039	.0603	.0380	.0992	.0606	.0094
SDev	.0024	.0004	.0069	.0004	.0028	.0006	.0010
%RSD	.3548	11.01	11.49	1.174	2.836	1.005	10.72
#1	.6871	.0040	.0532	.0375	.1017	.0613	.0084
#2	.6873	.0043	.0608	.0382	.0996	.0600	.0093
#3	.6830	.0034	.0670	.0383	.0961	.0606	.0104

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.9742	4741.	.0161	.0215	.1209	.4521
SDev	.0002	.0049	34.	.0017	.0014	.0007	.0020
%RSD	7.520	.5037	.7081	10.32	6.243	.5649	.4374
#1	.0028	.9787	4770.	.0143	.0212	.1212	.4542
#2	.0029	.9749	4749.	.0165	.0204	.1213	.4516
#3	.0032	.9690	4705.	.0175	.0230	.1201	.4503

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0160	102.7	.0588	1.237	3.275	.1015	.1794
SDev	.0006	.8	.0044	.010	.019	.0037	.0190
%RSD	3.935	.8212	7.538	.8090	.5823	3.670	10.61
#1	.0156	103.5	.0538	1.248	3.297	.1009	.1703
#2	.0157	102.8	.0603	1.235	3.263	.0981	.1666
#3	.0167	101.8	.0623	1.228	3.266	.1055	.2013

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0857	.0492	.0696	1.173	.2964	.0979	.0568
SDev	.0067	.0016	.0059	.002	.0017	.0007	.0101
%RSD	7.835	3.316	8.429	.1715	.5693	.6823	17.76
#1	.0807	.0502	.0688	1.174	.2982	.0986	.0487
#2	.0832	.0473	.0759	1.170	.2961	.0979	.0536
#3	.0934	.0501	.0642	1.174	.2948	.0972	.0681

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0117	.0228	.0853	1.144	.0132	.1494	.0039
SDev	.0044	.0001	.0031	.091	.0004	.0054	.0006

%RSD	37.93	.6065	3.610	7.953	3.106	3.605	15.07
#1	.0147	.0227	.0886	1.078	.0131	.1434	.0035
#2	.0138	.0228	.0847	1.107	.0129	.1510	.0037
#3	.0066	.0229	.0825	1.248	.0136	.1538	.0046

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0624	.0084
SDev	.0020	.0008
%RSD	3.168	10.02
#1	.0615	.0077
#2	.0646	.0081
#3	.0610	.0093

Analysis Report Wed 09-13-95 12:53:08 PM page 1

Method: ICP1 Sample Name: 95-007944-H2 @10 Operator: DRS
Run Time: 09/13/95 12:51:49
Comment: QTR SEG 3A DUP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	4.602	.0168	.0648	.0035	.0003	.0078
SDev	.0002	.019	.0083	.0013	.0001	.0000	.0019
%RSD	2.016	.4028	49.42	2.034	3.500	9.669	25.07
#1	.0086	4.621	.0197	.0661	.0035	.0002	.0096
#2	.0088	4.584	.0232	.0635	.0037	.0003	.0079
#3	.0084	4.602	.0074	.0648	.0034	.0003	.0058

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0343	.0031	.0484	.0116	.0267	.0132	.0077
SDev	.0003	.0015	.0068	.0002	.0023	.0007	.0006
%RSD	.9574	46.85	14.06	1.738	8.760	5.179	7.794
#1	.0341	.0020	.0442	.0114	.0288	.0129	.0071
#2	.0347	.0048	.0562	.0118	.0272	.0140	.0083
#3	.0341	.0026	.0447	.0116	.0242	.0127	.0076

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.2583	1059.	.0130	.0098	.0472	.0774
SDev	.0002	.0004	2.	.0012	.0002	.0017	.0001
%RSD	7.008	.1385	.1753	9.358	2.183	3.631	.1677
#1	.0021	.2586	1060.	.0119	.0097	.0454	.0773
#2	.0024	.2579	1057.	.0143	.0101	.0489	.0774
#3	.0022	.2582	1061.	.0128	.0097	.0474	.0776

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0089	27.94	.0491	.2736	1.002	.0432	.1501
SDev	.0008	.07	.0001	.0089	.015	.0023	.0096
%RSD	9.354	.2518	.2554	3.248	1.467	5.339	6.384
#1	.0081	27.96	.0490	.2683	.9850	.0458	.1396
#2	.0098	27.86	.0490	.2686	1.010	.0414	.1583
#3	.0089	28.00	.0492	.2839	1.011	.0424	.1523

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0652	.0242	.0281	.2333	.2058	.0297	.0358
SDev	.0050	.0090	.0079	.0042	.0236	.0002	.0049
%RSD	7.605	37.01	28.17	1.797	11.45	.6246	13.58
#1	.0604	.0279	.0239	.2375	.2020	.0298	.0317
#2	.0703	.0140	.0372	.2291	.2311	.0295	.0411
#3	.0649	.0307	.0231	.2334	.1845	.0299	.0344

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0064	.0322	.7540	.0072	.0502	.0031
SDev	.0050	.0003	.0029	.0593	.0004	.0048	.0003

%RSD	527.9	4.344	8.845	7.865	5.750	9.601	9.031
#1	.0066	.0063	.0353	.6891	.0068	.0493	.0028
#2	-.0012	.0068	.0317	.8053	.0076	.0459	.0033
#3	-.0026	.0062	.0296	.7674	.0072	.0554	.0031

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0120	.0058
SDev	.0009	.0005
%RSD	7.134	9.128
#1	.0118	.0052
#2	.0130	.0063
#3	.0113	.0058

Analysis Report Wed 09-13-95 12:57:06 PM page 1

Method: ICP1 Sample Name: 95-007944-H2 @2 Operator: DRS
Run Time: 09/13/95 12:55:47
Comment: QTR SEG 3A DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0140	22.80	.0595	.2950	.0110	.0004	.0394
SDev	.0028	.73	.0099	.0080	.0005	.0000	.0093
%RSD	19.74	3.198	16.63	2.713	4.503	6.176	23.69
#1	.0170	22.06	.0706	.2882	.0115	.0004	.0411
#2	.0136	22.85	.0515	.2929	.0111	.0004	.0478
#3	.0115	23.51	.0565	.3038	.0105	.0003	.0294

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7352	.0048	.0561	.0358	.1263	.0533	.0089
SDev	.0123	.0008	.0236	.0017	.0031	.0015	.0026
%RSD	1.673	16.26	42.09	4.771	2.440	2.763	29.35
#1	.7227	.0057	.0799	.0376	.1228	.0529	.0116
#2	.7356	.0047	.0556	.0356	.1283	.0549	.0089
#3	.7473	.0041	.0327	.0342	.1279	.0520	.0063

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	1.256	4820.	.0154	.0219	.1047	.3800
SDev	.0008	.032	156.	.0040	.0031	.0078	.0093
%RSD	29.22	2.509	3.246	25.74	13.92	7.487	2.456
#1	.0037	1.224	4658.	.0197	.0253	.1104	.3697
#2	.0029	1.257	4832.	.0146	.0212	.1080	.3825
#3	.0020	1.287	4970.	.0119	.0193	.0958	.3879

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0230	129.2	.0583	1.320	5.026	.1062	.1602
SDev	.0006	4.8	.0180	.035	.127	.0173	.0428
%RSD	2.727	3.704	30.89	2.689	2.536	16.26	26.75
#1	.0230	124.2	.0767	1.284	4.907	.1241	.2048
#2	.0235	129.6	.0575	1.322	5.011	.1047	.1563
#3	.0223	133.8	.0407	1.355	5.160	.0897	.1194

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0845	.0461	.0579	1.124	.2908	.1427	.0540
SDev	.0198	.0022	.0116	.022	.0703	.0046	.0121
%RSD	23.46	4.729	20.08	1.961	24.19	3.213	22.52
#1	.1055	.0486	.0713	1.102	.3679	.1380	.0670
#2	.0818	.0449	.0516	1.122	.2747	.1430	.0518
#3	.0662	.0448	.0507	1.146	.2300	.1471	.0430

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0140	.0198	.0791	1.203	.0155	.1889	.0038
SDev	.0034	.0008	.0057	.230	.0016	.0052	.0013

%RSD	24.11	4.169	7.204	19.10	10.51	2.727	32.91
#1	.0177	.0206	.0824	1.420	.0169	.1829	.0051
#2	.0111	.0198	.0824	1.227	.0158	.1915	.0037
#3	.0131	.0190	.0725	.9619	.0137	.1922	.0026

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0696	.0074
SDev	.0021	.0019
%RSD	3.008	25.55
#1	.0677	.0093
#2	.0692	.0074
#3	.0719	.0055

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Method: ICP1 Sample Name: SRM-2709-H @10 Operator: DRS
Run Time: 09/13/95 13:00:20
Comment: SOIL STD @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0085	6.592	.0302	.0551	.0844	.0007	.0146
SDev	.0005	.091	.0064	.0029	.0013	.0000	.0024
%RSD	6.066	1.382	21.30	5.333	1.513	2.273	16.10
#1	.0081	6.560	.0257	.0532	.0839	.0007	.0132
#2	.0091	6.521	.0376	.0537	.0835	.0007	.0173
#3	.0085	6.694	.0274	.0585	.0859	.0007	.0134

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.716	.0031	.0472	.0161	.0195	.0183	.0080
SDev	.024	.0006	.0105	.0007	.0009	.0004	.0013
%RSD	1.399	17.97	22.21	4.106	4.477	2.271	15.98
#1	1.702	.0035	.0456	.0160	.0204	.0187	.0077
#2	1.702	.0033	.0584	.0168	.0194	.0184	.0094
#3	1.743	.0024	.0376	.0155	.0187	.0179	.0069

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	3.297	1056.	.0146	.0127	1.430	.1338
SDev	.0003	.051	12.	.0016	.0010	.012	.0016
%RSD	12.20	1.544	1.109	11.25	7.763	.8657	1.229
#1	.0024	3.273	1055.	.0136	.0116	1.432	.1331
#2	.0029	3.262	1045.	.0166	.0131	1.416	.1326
#3	.0023	3.355	1068.	.0138	.0134	1.441	.1357

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	1.455	.0501	1.898	.0966	.0761	.1422
SDev	.0013	.011	.0044	.025	.0191	.0062	.0118
%RSD	19.34	.7649	8.801	1.326	19.79	8.097	8.295
#1	.0080	1.446	.0469	1.883	.1034	.0741	.1410
#2	.0054	1.467	.0552	1.884	.1114	.0830	.1546
#3	.0074	1.450	.0484	1.927	.0750	.0712	.1311

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0622	.0288	.0393	26.67	.1875	.0219	.0330
SDev	.0075	.0084	.0118	.39	.0262	.0003	.0042
%RSD	12.09	29.06	29.88	1.455	13.99	1.307	12.60
#1	.0615	.0191	.0502	26.46	.1615	.0217	.0314
#2	.0700	.0331	.0269	26.43	.2140	.0217	.0377
#3	.0550	.0341	.0409	27.11	.1872	.0222	.0299

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0075	.2828	.0337	.7103	.0156	.0315	.0043
SDev	.0068	.0040	.0121	.1303	.0007	.0041	.0004

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%RSD	90.51	1.408	35.95	18.35	4.436	13.13	9.168
#1	.0008	.2808	.0324	.6990	.0153	.0352	.0042
#2	.0074	.2802	.0465	.8459	.0164	.0270	.0048
#3	.0144	.2874	.0223	.5860	.0151	.0323	.0040

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0190	.0133
SDev	.0004	.0006
%RSD	2.168	4.836
#1	.0190	.0132
#2	.0193	.0140
#3	.0185	.0127

Analysis Report Wed 09-13-95 01:05:13 PM page 1

Method: ICP1 Sample Name: SRM-2709-H @2 Operator: DRS
Run Time: 09/13/95 13:03:54
Comment: SOIL STD @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0136	32.02	.0958	.2466	.3985	.0030	.0546
SDev	.0023	.66	.0122	.0048	.0088	.0000	.0051
%RSD	16.81	2.049	12.69	1.960	2.211	.6614	9.353
#1	.0121	32.69	.0824	.2522	.4075	.0030	.0524
#2	.0125	31.98	.0991	.2440	.3979	.0030	.0510
#3	.0162	31.38	.1061	.2436	.3899	.0029	.0605

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.957	.0092	.0795	.0563	.0899	.0774	.0121
SDev	.127	.0020	.0118	.0012	.0016	.0013	.0018
%RSD	1.414	21.45	14.80	2.077	1.739	1.649	14.60
#1	9.097	.0070	.0695	.0553	.0913	.0773	.0104
#2	8.922	.0109	.0765	.0561	.0882	.0762	.0120
#3	8.851	.0097	.0925	.0576	.0902	.0788	.0139

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	15.76	4762.	.0275	.0296	6.749	.6447
SDev	.0004	.27	98.	.0036	.0021	.099	.0116
%RSD	10.26	1.690	2.063	13.13	7.108	1.474	1.801
#1	.0039	16.05	4861.	.0244	.0273	6.859	.6570
#2	.0043	15.71	4762.	.0268	.0299	6.724	.6431
#3	.0048	15.52	4664.	.0315	.0315	6.665	.6340

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0213	6.509	.0759	9.109	.3960	.2374	.1940
SDev	.0012	.111	.0103	.130	.0252	.0093	.0352
%RSD	5.544	1.706	13.52	1.429	6.353	3.912	18.12
#1	.0209	6.604	.0659	9.248	.3675	.2309	.1580
#2	.0204	6.536	.0755	9.087	.4152	.2333	.1956
#3	.0227	6.387	.0864	8.991	.4052	.2481	.2283

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0967	.0799	.1052	131.8	.3082	.1017	.0785
SDev	.0176	.0103	.0127	2.4	.0534	.0020	.0111
%RSD	18.22	12.89	12.06	1.842	17.32	1.973	14.15
#1	.0808	.0721	.0985	134.4	.2592	.1038	.0696
#2	.0938	.0760	.0973	131.5	.3002	.1014	.0749
#3	.1157	.0916	.1199	129.6	.3651	.0999	.0909

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0360	1.353	.1394	1.055	.0573	.0587	.0113
SDev	.0060	.026	.0087	.150	.0011	.0079	.0006

Analysis Report

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%RSD	16.76	1.940	6.222	14.25	1.884	13.44	5.035
#1	.0348	1.381	.1296	.8917	.0568	.0499	.0108
#2	.0306	1.349	.1461	1.087	.0566	.0650	.0110
#3	.0425	1.329	.1426	1.187	.0586	.0613	.0119

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1024	.0477
SDev	.0011	.0004
%RSD	1.120	.8879
#1	.1029	.0472
#2	.1011	.0478
#3	.1032	.0480

Analysis Report QC Standard Wed 09-13-95 01:09:26 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/13/95 13:08:07
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 9/14/

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4772	24.31	2.502	1.950	.4970	.0909	23.95
SDev	.0017	.11	.015	.013	.0022	.0004	.09
%RSD	.3652	.4698	.6041	.6674	.4322	.4107	.3630
#1	.4756	24.21	2.496	1.935	.4953	.0906	23.88
#2	.4790	24.44	2.519	1.956	.4994	.0913	24.05
#3	.4770	24.30	2.491	1.960	.4963	.0909	23.93
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	24.32	.4848	-.0388	1.002	.9923	.9689	.0001
SDev	.09	.0038	.0029	.003	.0028	.0040	.0001
%RSD	.3591	.7921	7.364	.2674	.2808	.4176	64.62
#1	24.25	.4843	-.0355	1.000	.9891	.9656	.0002
#2	24.42	.4889	-.0406	1.005	.9937	.9734	.0001
#3	24.30	.4813	-.0402	1.001	.9942	.9676	.0001
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	19.92	23.90	.0046	1.891	25.73	.4991
SDev	.0001	.08	.06	.0003	.010	.11	.0021
%RSD	5.807	.4148	.2597	7.578	.5503	.4300	.4224
#1	.0019	19.85	23.84	.0050	1.881	25.63	.4973
#2	.0019	20.01	23.89	.0044	1.902	25.85	.5014
#3	.0021	19.89	23.96	.0044	1.888	25.71	.4986
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	1.005	23.59	.0121	1.037	.0401	2.528	-.0083
SDev	.004	.18	.0027	.003	.0046	.005	.0071
%RSD	.3797	.7773	21.95	.3201	11.41	.1982	85.30
#1	1.001	23.38	.0151	1.038	.0415	2.524	-.0002
#2	1.009	23.69	.0098	1.040	.0349	2.534	-.0135
#3	1.005	23.71	.0116	1.034	.0437	2.528	-.0112
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

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Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	2.432	2.448	18.23	-.0999	.5035	-.0061
SDev	.0033	.015	.035	.07	.0248	.0025	.0020
%RSD	159.8	.6222	1.436	.3637	24.86	.5018	33.02
#1	.0000	2.419	2.425	18.17	-.0847	.5010	-.0082
#2	-.0059	2.448	2.488	18.30	-.1285	.5061	-.0060
#3	-.0003	2.428	2.430	18.24	-.0864	.5033	-.0042
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0400	.9773	2.495	-.0058	.9636	.0277	.0003
SDev	.0039	.0051	.023	.0540	.0040	.0042	.0004
%RSD	9.734	.5194	.9128	933.1	.4145	15.00	142.8
#1	.0359	.9730	2.474	.0559	.9607	.0245	.0000
#2	.0403	.9829	2.520	-.0444	.9681	.0261	.0001
#3	.0437	.9760	2.491	-.0289	.9619	.0324	.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	.9951	2.004
SDev	.0083	.008
%RSD	.8310	.4119
#1	.9917	1.997
#2	1.005	2.013
#3	.9890	2.002
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Wed 09-13-95 01:13:05 PM page 1

Method: ICP1 Sample Name: SST-ICS-2 950908I102 Operator: DRS
Run Time: 09/13/95 13:11:45
Comment: SOIL STD @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	89.78	.1711	.0091	.0028	.0010	.0907
SDev	.0024	1.55	.0017	.0012	.0004	.0000	.0082
%RSD	34.75	1.732	.9791	13.40	14.18	4.036	9.043
#1	.0043	91.56	.1694	.0077	.0024	.0009	.0827
#2	.0075	89.14	.1710	.0099	.0028	.0010	.0902
#3	.0090	88.65	.1728	.0097	.0031	.0010	.0991

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0684	.0102	-.0556	.0165	.0410	-.0416	.0079
SDev	.0019	.0013	.0163	.0006	.0021	.0013	.0017
%RSD	2.853	12.45	29.32	3.817	5.158	3.027	21.46
#1	.0663	.0101	-.0737	.0158	.0393	-.0430	.0060
#2	.0702	.0089	-.0509	.0170	.0434	-.0413	.0086
#3	.0686	.0115	-.0421	.0166	.0404	-.0406	.0091

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	18.23	3950.	.0205	.0128	.3335	.0037
SDev	.0005	.29	65.	.0027	.0006	.0055	.0002
%RSD	14.13	1.573	1.648	13.11	4.437	1.649	5.715
#1	.0032	18.56	4024.	.0174	.0123	.3277	.0038
#2	.0041	18.11	3925.	.0220	.0127	.3342	.0034
#3	.0041	18.03	3901.	.0221	.0134	.3387	.0038

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0175	.3579	.0447	48.06	.1122	.2767	-.1437
SDev	.0003	.0233	.0107	.64	.0349	.0049	.0322
%RSD	1.980	6.507	24.02	1.341	31.09	1.753	22.42
#1	.0179	.3476	.0329	48.80	.0886	.2792	-.1807
#2	.0173	.3415	.0475	47.76	.0957	.2799	-.1277
#3	.0173	.3846	.0539	47.62	.1523	.2712	-.1226

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0700	.0550	.0947	.1001	.4042	.0011	.0665
SDev	.0133	.0086	.0134	.0101	.0327	.0002	.0032
%RSD	18.99	15.55	14.19	10.07	8.085	16.39	4.771
#1	.0550	.0453	.0795	.0892	.3696	.0009	.0628
#2	.0748	.0580	.1051	.1020	.4084	.0011	.0677
#3	.0803	.0616	.0995	.1091	.4345	.0012	.0688

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6368	.0066	.2484	44.37	.0130	.0716	.0074
SDev	.0036	.0005	.0128	.72	.0009	.0091	.0005

%RSD	.5699	7.884	5.166	1.617	6.910	12.71	6.552
#1	.6399	.0061	.2343	45.19	.0120	.0626	.0069
#2	.6376	.0067	.2594	44.05	.0135	.0808	.0078
#3	.6328	.0071	.2515	43.86	.0136	.0715	.0076

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0236	9.328
SDev	.0002	.171
%RSD	.7317	1.834
#1	-.0235	9.524
#2	-.0238	9.254
#3	-.0234	9.207

Analysis Report QC Standard Wed 09-13-95 01:16:53 PM page 1

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/13/95 13:15:33
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	-.1263	.0130	.0043	.0007	.0003	.0006
SDev	.0003	.0017	.0022	.0031	.0002	.0000	.0052
%RSD	7.694	1.371	17.03	71.19	27.44	12.95	872.3
#1	.0036	-.1243	.0142	.0076	.0007	.0003	.0022
#2	.0031	-.1271	.0105	.0036	.0005	.0003	-.0052
#3	.0032	-.1275	.0144	.0016	.0009	.0003	.0048
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	.0213	.0015	1.941	.0043	.0037	-.0033	1.909
SDev	.0002	.0003	.005	.0007	.0002	.0009	.012
%RSD	.7769	17.89	.2584	16.68	5.965	28.48	.6163
#1	.0211	.0018	1.938	.0046	.0034	-.0022	1.901
#2	.0213	.0014	1.947	.0035	.0039	-.0036	1.922
#3	.0214	.0013	1.938	.0049	.0038	-.0040	1.904
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000
Range			10.00				10.00

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.898	.0128	1.013	1.916	.0055	.0902	.0011
SDev	.011	.0003	.054	.010	.0006	.0069	.0002
%RSD	.5836	2.590	5.329	.5133	10.35	7.710	22.27
#1	1.889	.0130	1.060	1.909	.0060	.0971	.0010
#2	1.910	.0124	1.025	1.928	.0049	.0832	.0008
#3	1.894	.0128	.9542	1.912	.0056	.0902	.0013
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0281	1.910	.0200	.0155	.0557	2.028
SDev	.0013	.0075	.011	.0039	.0090	.0027	.011
%RSD	68.10	26.72	.5569	19.70	57.91	4.930	.5309
#1	.0034	.0325	1.899	.0243	.0091	.0534	2.021
#2	.0008	.0195	1.920	.0192	.0116	.0550	2.041
#3	.0017	.0325	1.911	.0165	.0257	.0588	2.023
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000

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Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.950	.0180	.0294	.0603	2.050	.0007	Q1.777
SDev	.006	.0155	.0102	.0033	.013	.0000	.012
%RSD	.2906	86.23	34.74	5.412	.6210	.6925	.6849
#1	1.947	.0205	.0314	.0575	2.064	.0007	Q1.764
#2	1.957	.0322	.0384	.0595	2.043	.0007	Q1.782
#3	1.947	.0014	.0183	.0638	2.042	.0007	Q1.787
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	4.878	.0021	.0103	Q8.493	.0002	Q.4906	.9357
SDev	.022	.0003	.0030	.050	.0002	.0117	.0042
%RSD	.4413	15.28	29.27	.5831	103.2	2.383	.4494
#1	4.855	.0021	.0075	Q8.498	.0001	Q.4771	.9328
#2	4.897	.0018	.0099	Q8.541	.0005	Q.4972	.9406
#3	4.882	.0024	.0135	Q8.442	.0001	Q.4975	.9338
Errors	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	QC Pass
Value	5.000			10.00		2.000	1.000
Range	10.00			10.00		10.00	10.00

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0010	.0008
SDev	.0008	.0012
%RSD	76.84	151.5
#1	.0011	.0012
#2	.0018	.0016
#3	.0002	-.0006
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Wed 09-13-95 01:21:19 PM page 1

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/13/95 13:19:59
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0064	Q.1254	Q.0865	Q.1111	.0471	Q.0208	.0098
SDev	.0004	.0044	.0026	.0035	.0003	.0001	.0036
%RSD	5.958	3.520	3.044	3.177	.7046	.4294	36.89
#1	Q.0068	Q.1304	Q.0871	Q.1070	.0468	Q.0207	.0099
#2	Q.0064	Q.1239	Q.0888	Q.1133	.0469	Q.0208	.0133
#3	Q.0060	Q.1220	Q.0836	Q.1130	.0474	Q.0209	.0061
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Pass	QC Fail	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	Q34.12	.0128	.0261	Q.0282	Q.0226	.0235	.0047
SDev	.21	.0008	.0066	.0005	.0020	.0015	.0005
%RSD	.6166	5.912	25.36	1.745	8.923	6.264	11.03
#1	Q33.90	.0122	.0329	Q.0283	Q.0222	Q.0252	.0050
#2	Q34.13	.0126	.0257	Q.0286	Q.0208	.0225	.0050
#3	Q34.32	Q.0136	.0197	Q.0277	Q.0247	.0228	.0041
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	.0025	Q.1177	2.332	.0138	.0170	9.422	.0340
SDev	.0001	.0007	.064	.0006	.0011	.069	.0002
%RSD	5.864	.5965	2.731	4.638	6.678	.7270	.4744
#1	.0026	Q.1169	2.385	.0138	.0172	9.351	.0338
#2	.0024	Q.1183	2.350	.0145	.0157	9.425	.0340
#3	.0023	Q.1179	2.262	.0132	Q.0179	9.488	.0341
Errors	NOCHECK	QC Fail	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		.1069	2.300		.0165	9.450	.0351
Range		2.800	10.00		6.100	2.850	6.300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1040	Q10.66	.0400	.0653	.0494	Q.0572	.1003
SDev	.0014	.14	.0044	.0013	.0120	.0031	.0161
%RSD	1.330	1.311	10.95	1.925	24.23	5.387	16.07
#1	.1027	Q10.58	.0436	.0658	.0388	Q.0590	.1115
#2	.1038	Q10.58	.0412	.0661	.0624	Q.0536	.1076
#3	.1055	Q10.83	.0351	.0638	.0471	Q.0589	.0818
Errors	QC Pass	QC Fail	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK
Value	.1043	12.19		.0606		.0353	

Range	1.800	2.950		12.00		2.500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0404	.0118	Q.0331	.0336	.1047	Q.2468	.0156
SDev	.0028	.0067	.0054	.0032	.0076	.0022	.0045
%RSD	6.992	57.15	16.22	9.589	7.268	.8717	28.93
#1	.0420	.0189	Q.0383	.0370	.1095	Q.2450	.0155
#2	.0421	.0109	Q.0276	.0334	.1087	Q.2463	.0201
#3	.0372	.0055	Q.0335	.0305	.0960	Q.2492	.0111
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value			.0127			.2636	
Range			5.500			1.000	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0077	.0099	Q.0279	.6697	.0302	.0146	.0004
SDev	.0022	.0003	.0022	.0622	.0002	.0089	.0001
%RSD	28.39	2.499	8.074	9.292	.6842	60.58	38.06
#1	-.0102	.0102	Q.0305	.7068	.0303	.0198	.0005
#2	-.0064	.0098	Q.0270	.7044	.0303	.0198	.0005
#3	-.0063	.0098	Q.0262	.5978	.0300	.0044	.0002
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.0848	.0035
SDev	.0006	.0006
%RSD	.6824	17.21
#1	Q.0855	.0042
#2	Q.0845	.0033
#3	Q.0845	.0030
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Wed 09-13-95 01:25:29 PM page

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/13/95 13:24:10
Comment: SOIL STD @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	1.852	1.957	1.870	.9530	.9198	1.847
SDev	.0008	.014	.006	.022	.0103	.0077	.016
%RSD	20.06	.7483	.3099	1.169	1.086	.8410	.8858
#1	.0046	1.843	1.960	1.854	.9442	.9135	1.832
#2	.0040	1.846	1.950	1.863	.9505	.9175	1.844
#3	.0031	1.868	1.961	1.895	.9644	.9285	1.864

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.882	.9565	.0223	1.003	.4925	1.919	.0040
SDev	.010	.0048	.0052	.007	.0026	.016	.0006
%RSD	.5222	.5055	23.15	.7010	.5321	.8293	15.41
#1	1.875	.9513	.0280	.9969	.4897	1.907	.0046
#2	1.876	.9575	.0209	1.002	.4928	1.912	.0039
#3	1.893	.9608	.0180	1.011	.4949	1.937	.0034

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	1.938	4.883	.0075	1.914	2.024	.9773
SDev	.0003	.015	.118	.0003	.024	.021	.0074
%RSD	16.70	.7601	2.410	3.691	1.253	1.057	.7600
#1	.0017	1.925	4.983	.0077	1.894	2.002	.9709
#2	.0017	1.935	4.912	.0077	1.909	2.026	.9756
#3	.0013	1.954	4.753	.0072	1.941	2.045	.9855

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.926	7.815	.0273	2.023	4.516	2.006	.0839
SDev	.012	.077	.0055	.019	.038	.017	.0172
%RSD	.6436	.9838	20.10	.9298	.8429	.8412	20.52
#1	1.917	7.741	.0325	2.019	4.474	1.996	.1031
#2	1.922	7.810	.0278	2.007	4.524	1.997	.0787
#3	1.941	7.895	.0215	2.044	4.549	2.026	.0698

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0344	.0014	1.905	4.772	.0893	1.941	-.0015
SDev	.0049	.0092	.011	.031	.0245	.021	.0077
%RSD	14.12	672.1	.5824	.6550	27.38	1.103	516.6
#1	.0394	.0094	1.899	4.752	.1176	1.922	.0047
#2	.0342	.0034	1.898	4.755	.0757	1.936	.0009
#3	.0297	-.0087	1.918	4.808	.0748	1.964	-.0101

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.0021	1.913	.3705	.9214	.0141	.0016
SDev	.0022	.0001	.005	.1249	.0077	.0028	.0002

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%RSD	58.52	7.137	.2432	33.70	.8349	19.49	14.77
#1	.0014	.0022	1.914	.5061	.9147	.0123	.0019
#2	.0043	.0020	1.907	.3450	.9197	.0173	.0016
#3	.0057	.0020	1.916	.2603	.9298	.0128	.0014

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.005	.0023
SDev	.007	.0011
%RSD	.7315	46.82
#1	.9967	.0034
#2	1.006	.0021
#3	1.011	.0013

Analysis Report Wed 09-13-95 01:29:01 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 13:27:41
Comment: SOIL STD @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	.0144	.0075	.0039	.0007	.0002	.0009
SDev	.0006	.0033	.0029	.0006	.0001	.0000	.0064
%RSD	16.03	23.16	39.45	15.50	10.83	17.31	723.5
#1	.0032	.0108	.0107	.0038	.0007	.0002	-.0063
#2	.0043	.0151	.0049	.0046	.0007	.0002	.0058
#3	.0033	.0173	.0068	.0034	.0006	.0001	.0032

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0074	-.0005	.0173	.0032	.0017	.0048	.0036
SDev	.0009	.0006	.0010	.0008	.0019	.0008	.0003
%RSD	12.44	101.8	5.956	26.57	112.0	16.37	8.814
#1	.0080	.0001	.0170	.0034	.0027	.0056	.0035
#2	.0079	-.0009	.0184	.0038	.0030	.0045	.0040
#3	.0063	-.0009	.0164	.0022	-.0005	.0041	.0034

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0023	-.1119	.0065	.0041	.0165	.0006
SDev	.0002	.0007	.0270	.0003	.0004	.0030	.0001
%RSD	16.88	32.12	24.12	3.991	9.097	18.20	23.66
#1	.0012	.0027	-.0884	.0068	.0045	.0197	.0006
#2	.0012	.0028	-.1060	.0063	.0037	.0137	.0007
#3	.0009	.0015	-.1414	.0064	.0041	.0162	.0005

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.0534	.0207	.0035	.0172	.0107	.0732
SDev	.0013	.0162	.0027	.0016	.0078	.0066	.0041
%RSD	36.74	30.33	12.78	45.80	45.69	61.43	5.576
#1	.0022	.0419	.0235	.0025	.0082	.0177	.0738
#2	.0047	.0463	.0204	.0026	.0205	.0098	.0688
#3	.0034	.0719	.0183	.0053	.0228	.0046	.0769

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0276	.0087	.0159	.0052	.0774	.0008	.0083
SDev	.0040	.0027	.0062	.0058	.0152	.0001	.0062
%RSD	14.51	30.34	39.32	112.0	19.67	8.815	74.70
#1	.0254	.0112	.0167	.0015	.0686	.0008	.0012
#2	.0322	.0059	.0216	.0118	.0949	.0009	.0127
#3	.0252	.0091	.0093	.0021	.0686	.0008	.0110

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0014	.0044	.3156	.0022	.0136	.0014
SDev	.0026	.0003	.0086	.0536	.0004	.0024	.0004

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%RSD	321.2	25.01	195.6	16.98	17.22	17.34	27.40
#1	.0008	.0014	.0033	.3774	.0024	.0115	.0011
#2	.0005	.0017	.0136	.2868	.0024	.0161	.0018
#3	-.0038	.0010	-.0036	.2826	.0017	.0131	.0012

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0006	.0023
SDev	.0011	.0001
%RSD	187.5	2.018
#1	.0003	.0022
#2	.0017	.0023
#3	-.0004	.0022

Standardization Rpt. Wed 09-13-95 02:26:54 PM page

Method: ICP1 Standard: STD1-Blank

Elem	Ag	Al	As	B	Ba	Be	Bi
Avge	.6604	.2096	.1666	.1027	.0308	.0171	.1419
SDev	.0016	.0003	.0015	.0010	.0001	.0001	.0012
%RSD	.2357	.1378	.8745	.9756	.3247	.3370	.8261
#1	.6589	.2094	.1660	.1017	.0308	.0171	.1410
#2	.6602	.2099	.1683	.1026	.0309	.0171	.1414
#3	.6620	.2094	.1656	.1037	.0307	.0172	.1432

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Avge	.1260	.0438	.6325	.1416	.0466	.0461	.1959
SDev	.0003	.0007	.0011	.0003	.0003	.0002	.0006
%RSD	.2381	1.519	.1742	.1777	.7542	.4512	.2842
#1	.1257	.0446	.6312	.1414	.0469	.0459	.1953
#2	.1263	.0435	.6330	.1419	.0462	.0463	.1964
#3	.1260	.0434	.6332	.1416	.0466	.0462	.1960

Elem	Eu	Fe	K	La	Li	Mg	Mn
Avge	.0342	.0561	.2152	.1001	.0423	.2376	.0197
SDev	.0002	.0003	.0004	.0001	.0001	.0017	.0002
%RSD	.5064	.4483	.1759	.1525	.3608	.6972	.8792
#1	.0341	.0559	.2148	.1001	.0423	.2360	.0198
#2	.0344	.0564	.2155	.1003	.0422	.2393	.0198
#3	.0341	.0561	.2154	.1000	.0425	.2374	.0195

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Avge	.0802	.0418	.3712	.0469	.1288	1.327	1.543
SDev	.0006	.0002	.0010	.0004	.0012	.010	.004
%RSD	.8116	.4976	.2712	.9294	.9541	.7225	.2462
#1	.0795	.0416	.3701	.0474	.1293	1.316	1.539
#2	.0802	.0420	.3713	.0466	.1274	1.332	1.546
#3	.0808	.0419	.3721	.0467	.1297	1.332	1.544

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Avge	1.533	.2605	.1539	.3725	.6826	.0146	.9841
SDev	.005	.0018	.0010	.0008	.0011	.0000	.0089
%RSD	.3098	.6742	.6507	.2197	.1614	.0000	.9071
#1	1.528	.2603	.1528	.3723	.6825	.0146	.9849
#2	1.535	.2623	.1547	.3734	.6815	.0146	.9926
#3	1.536	.2588	.1543	.3718	.6837	.0146	.9748

Elem	Th	Ti	Tl	U	V	W	Y
Avge	.2343	.0653	.0349	1.736	.0979	.0307	.0257
SDev	.0009	.0001	.0002	.002	.0004	.0004	.0001
%RSD	.3966	.2338	.4963	.0874	.3683	1.467	.2249
#1	.2335	.0652	.0347	1.735	.0975	.0312	.0256
#2	.2353	.0655	.0350	1.736	.0982	.0307	.0257
#3	.2340	.0653	.0350	1.738	.0980	.0303	.0257

Elem	Zn	Zr
Avge	.0332	.0810
SDev	.0011	.0003

%RSD	3.307	.3967
#1	.0319	.0808
#2	.0338	.0814
#3	.0338	.0809

Standardization Rpt. Wed 09-13-95 02:29:03 PM page 1

Method: ICP1 Standard: STD2

Elem	Ba	Co	Cr	Cu	Fe	Mg	Mo
Avge	7.471	16.42	11.73	4.166	69.39	42.71	11.25
SDev	.051	.05	.03	.026	.21	.16	.04
%RSD	.6801	.2946	.2233	.6243	.2974	.3677	.3550
#1	7.432	16.40	11.75	4.144	69.32	42.64	11.23
#2	7.453	16.38	11.70	4.158	69.24	42.61	11.23
#3	7.529	16.47	11.74	4.195	69.63	42.89	11.30

Elem	Na	Ni	Pb	Sr	Ti	Zn	Zr
Avge	5.522	5.676	55.91	7.926	13.97	27.98	23.76
SDev	.054	.021	.11	.063	.07	.10	.12
%RSD	.9788	.3720	.1954	.7906	.5075	.3422	.4946
#1	5.474	5.669	55.91	7.877	13.92	27.92	23.68
#2	5.510	5.659	55.80	7.904	13.92	27.94	23.70
#3	5.580	5.699	56.02	7.996	14.05	28.09	23.90

Standardization Rpt. Wed 09-13-95 02:32:32 PM page 1

Method: ICP1 Standard: STD3

Elem	Al	B	Ca	Cd	K	Li	Mn
Avge	68.01	46.07	73.08	9.289	2.778	12.46	6.538
SDev	.26	.18	.16	.020	.020	.10	.017
%RSD	.3759	.3845	.2194	.2149	.7241	.7625	.2648
#1	68.05	46.09	73.19	9.312	2.772	12.44	6.546
#2	68.24	46.23	73.16	9.280	2.800	12.57	6.551
#3	67.73	45.88	72.90	9.276	2.761	12.38	6.518

Elem	P
Avge	12.81
SDev	.03
%RSD	.2354
#1	12.83
#2	12.83
#3	12.78

Standardization Rpt. Wed 09-13-95 02:36:15 PM page

Method: ICP1 Standard: STD4

Elem	Dv	Eu	La	Nd	Th
Avge	44.11	10.24	5.660	15.28	10.92
SDev	.57	.12	.059	.17	.10
%RSD	1.281	1.142	1.048	1.137	.8978
#1	44.75	10.37	5.727	15.48	11.03
#2	43.69	10.15	5.615	15.15	10.84
#3	43.88	10.20	5.638	15.22	10.88

Standardization Rpt. Wed 09-13-95 02:40:08 PM page 1

Method: ICP1 Standard: STD5

Elem	As	Ce	Sb	V	Y
Avge	25.13	22.77	33.53	11.20	2.875
SDev	.05	.05	.06	.02	.008
%RSD	.1828	.1986	.1676	.2206	.2937
#1	25.08	22.74	33.47	11.17	2.865
#2	25.16	22.82	33.57	11.22	2.880
#3	25.15	22.76	33.56	11.20	2.879

Standardization Rpt.

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Method: ICP1

Standard: STD6

Elem	U
Avge	46.64
SDev	.15
%RSD	.3290
#1	46.61
#2	46.50
#3	46.80

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Method: ICP1 Standard: STD7

Elem	Be	Si	Te
Avge	1.670	71.43	50.29
SDev	.007	.31	.17
%RSD	.4088	.4375	.3313
#1	1.662	71.11	50.10
#2	1.671	71.45	50.36
#3	1.676	71.73	50.41

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Method: ICP1 Standard: STD8

Elem	Ag	Bi	Se	Tl
Avge	27.30	24.30	3.530	1.100
SDev	.09	.07	.011	.003
%RSD	.3348	.3039	.2991	.2535
#1	27.39	24.37	3.541	1.103
#2	27.30	24.31	3.530	1.099
#3	27.21	24.22	3.520	1.097

Standardization Rpt. Wed 09-13-95 02:56:03 PM page 1

Method: ICP1 Standard: STD9

Elem	Pd	Rh	Sn	W
Avge	19.12	45.08	7.834	2.933
SDev	.07	.19	.031	.015
%RSD	.3464	.4277	.3919	.5063
#1	19.12	45.08	7.835	2.931
#2	19.06	44.88	7.803	2.919
#3	19.19	45.27	7.865	2.948

Standardization Report Wed 09-13-95 02:58:28 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	.375371	-.247882	09/13/95 02:54:46
Al	308.215	STD3	STD1-Blank	7.37476	-1.54550	09/13/95 02:54:46
As	193.600	STD5	STD1-Blank	4.00604	-.667540	09/13/95 02:54:46
B	249.600	STD3	STD1-Blank	1.08782	-.111683	09/13/95 02:54:46
Ba	493.400	STD2	STD1-Blank	1.34397	-.041394	09/13/95 02:54:46
Be	313.042	STD7	STD1-Blank	.605144	-.010368	09/13/95 02:54:46
Bi	223.061	STD8	STD1-Blank	4.13936	-.587238	09/13/95 02:54:46
Ca	317.900	STD3	STD1-Blank	3.42683	-.431781	09/13/95 02:54:46
Cd	228.800	STD3	STD1-Blank	1.08165	-.047412	09/13/95 02:54:46
Ce	418.659	STD5	STD1-Blank	2.25827	-1.42828	09/13/95 02:54:46
Co	228.600	STD2	STD1-Blank	1.22879	-.174037	09/13/95 02:54:46
Cr	205.500	STD2	STD1-Blank	1.71219	-.079731	09/13/95 02:54:46
Cu	324.700	STD2	STD1-Blank	4.85496	-.223975	09/13/95 02:54:46
Dy	353.170	STD4	STD1-Blank	1.13863	-.223057	09/13/95 02:54:46
Eu	381.900	STD4	STD1-Blank	1.95987	-.067028	09/13/95 02:54:46
Fe	259.900	STD2	STD1-Blank	2.88444	-.161913	09/13/95 02:54:46
K	766.500	STD3	STD1-Blank	195.130	-41.9984	09/13/95 02:54:46
La	398.852	STD4	STD1-Blank	3.59704	-.360183	09/13/95 02:54:46
Li	670.700	STD3	STD1-Blank	4.02537	-.170407	09/13/95 02:54:46
Mg	279.078	STD2	STD1-Blank	5.88574	-1.39825	09/13/95 02:54:46
Mn	257.600	STD3	STD1-Blank	1.53407	-.030221	09/13/95 02:54:46
Mo	202.000	STD2	STD1-Blank	1.79000	-.143499	09/13/95 02:54:46
Na	588.900	STD2	STD1-Blank	45.6232	-1.90857	09/13/95 02:54:46
Nd	406.106	STD4	STD1-Blank	3.35387	-1.24485	09/13/95 02:54:46
Ni	231.600	STD2	STD1-Blank	3.55309	-.166640	09/13/95 02:54:46
P	214.900	STD3	STD1-Blank	7.88527	-1.01562	09/13/95 02:54:4[illegible]
Pb	220.300	STD2	STD1-Blank	.916080	-1.21533	09/13/95 02:54:[illegible]
Pd	360.959	STD9	STD1-Blank	2.84389	-4.38840	09/13/95 02:54:4[illegible]
Rh	343.489	STD9	STD1-Blank	1.14831	-1.76051	09/13/95 02:54:46
Sb	206.838	STD5	STD1-Blank	3.00550	-.782833	09/13/95 02:54:46
Se	196.026	STD8	STD1-Blank	5.92400	-.911900	09/13/95 02:54:46
Si	288.100	STD7	STD1-Blank	2.81462	-1.04844	09/13/95 02:54:46
Sn	242.950	STD9	STD1-Blank	8.03686	-5.48569	09/13/95 02:54:46
Sr	421.500	STD2	STD1-Blank	1.26406	-.018455	09/13/95 02:54:46
Te	214.275	STD7	STD1-Blank	1.01399	-.997872	09/13/95 02:54:46
Th	283.730	STD4	STD1-Blank	4.68112	-1.09663	09/13/95 02:54:46
Ti	334.900	STD2	STD1-Blank	1.43886	-.094005	09/13/95 02:54:46
Tl	190.864	STD8	STD1-Blank	18.7829	-.655522	09/13/95 02:54:46
U	378.280	STD6	STD1-Blank	11.1362	-19.3376	09/13/95 02:54:46
V	292.402	STD5	STD1-Blank	1.80186	-.176402	09/13/95 02:54:46
W	224.875	STD9	STD1-Blank	17.4583	-.536552	09/13/95 02:54:46
Y	371.030	STD5	STD1-Blank	3.50955	-.090078	09/13/95 02:54:46
Zn	213.800	STD2	STD1-Blank	.715566	-.023733	09/13/95 02:54:46
Zr	339.100	STD2	STD1-Blank	2.11153	-.171104	09/13/95 02:54:46

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Method: ICP1 Slope = IR/Conc(SIR)

Element	Wavelen	High std	Low std	Slope	BEC	Date Standardized
Ag	328.068	STD8	STD1-Blank	2.66403	.247882	09/13/95 02:54:46
Al	308.215	STD3	STD1-Blank	.135598	1.54550	09/13/95 02:54:46
As	193.600	STD5	STD1-Blank	.249623	.667540	09/13/95 02:54:46
B	249.600	STD3	STD1-Blank	.919272	.111683	09/13/95 02:54:46
Ba	493.400	STD2	STD1-Blank	.744063	.041394	09/13/95 02:54:46
Be	313.042	STD7	STD1-Blank	1.65250	.010368	09/13/95 02:54:46
Bi	223.061	STD8	STD1-Blank	.241583	.587238	09/13/95 02:54:46
Ca	317.900	STD3	STD1-Blank	.291815	.431781	09/13/95 02:54:46
Cd	228.800	STD3	STD1-Blank	.924513	.047412	09/13/95 02:54:46
Ce	418.659	STD5	STD1-Blank	.442816	1.42828	09/13/95 02:54:46
Co	228.600	STD2	STD1-Blank	.813810	.174037	09/13/95 02:54:46
Cr	205.500	STD2	STD1-Blank	.584048	.079731	09/13/95 02:54:46
Cu	324.700	STD2	STD1-Blank	.205975	.223975	09/13/95 02:54:46
Dy	353.170	STD4	STD1-Blank	.878249	.223057	09/13/95 02:54:46
Eu	381.900	STD4	STD1-Blank	.510237	.067028	09/13/95 02:54:46
Fe	259.900	STD2	STD1-Blank	.346687	.161913	09/13/95 02:54:46
K	766.500	STD3	STD1-Blank	.005125	41.9984	09/13/95 02:54:46
La	398.852	STD4	STD1-Blank	.278007	.360183	09/13/95 02:54:46
Li	670.700	STD3	STD1-Blank	.248425	.170407	09/13/95 02:54:46
Mg	279.078	STD2	STD1-Blank	.169902	1.39825	09/13/95 02:54:46
Mn	257.600	STD3	STD1-Blank	.651860	.030221	09/13/95 02:54:46
Mo	202.000	STD2	STD1-Blank	.558658	.143499	09/13/95 02:54:46
Na	588.900	STD2	STD1-Blank	.021919	1.90857	09/13/95 02:54:46
Nd	406.106	STD4	STD1-Blank	.298163	1.24485	09/13/95 02:54:46
Ni	231.600	STD2	STD1-Blank	.281445	.166640	09/13/95 02:54:46
P	214.900	STD3	STD1-Blank	.126819	1.01562	09/13/95 02:54:46
Pb	220.300	STD2	STD1-Blank	1.09161	1.21533	09/13/95 02:54:46
Pd	360.959	STD9	STD1-Blank	.351631	4.38840	09/13/95 02:54:46
Rh	343.489	STD9	STD1-Blank	.870847	1.76051	09/13/95 02:54:46
Sb	206.838	STD5	STD1-Blank	.332723	.782833	09/13/95 02:54:46
Se	196.026	STD8	STD1-Blank	.168805	.911900	09/13/95 02:54:46
Si	288.100	STD7	STD1-Blank	.355288	1.04844	09/13/95 02:54:46
Sn	242.950	STD9	STD1-Blank	.124427	5.48569	09/13/95 02:54:46
Sr	421.500	STD2	STD1-Blank	.791103	.018455	09/13/95 02:54:46
Te	214.275	STD7	STD1-Blank	.986199	.997872	09/13/95 02:54:46
Th	283.730	STD4	STD1-Blank	.213624	1.09663	09/13/95 02:54:46
Ti	334.900	STD2	STD1-Blank	.694997	.094005	09/13/95 02:54:46
Tl	190.864	STD8	STD1-Blank	.053240	.655522	09/13/95 02:54:46
U	378.280	STD6	STD1-Blank	.089797	19.3376	09/13/95 02:54:46
V	292.402	STD5	STD1-Blank	.554982	.176402	09/13/95 02:54:46
W	224.875	STD9	STD1-Blank	.057279	.536552	09/13/95 02:54:46
Y	371.030	STD5	STD1-Blank	.284937	.090078	09/13/95 02:54:46
Zn	213.800	STD2	STD1-Blank	1.39749	.023733	09/13/95 02:54:46
Zr	339.100	STD2	STD1-Blank	.473591	.171104	09/13/95 02:54:46

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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	.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba	493.400	STD1-Blank	.000000	-.000000	.000000
		STD2	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be	313.042	STD1-Blank	.000000	-.000000	.000000
		STD7	1.00000	1.000000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi	223.061	STD1-Blank	.000000	-.000000	.000000
		STD8	100.000	100.000	-.000008
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca	317.900	STD1-Blank	.000000	-.000000	.000000
		STD3	250.000	250.000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd	228.800	STD1-Blank	.000000	-.000000	.000000
		STD3	10.0000	10.0000	.000000
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ce	418.659	STD1-Blank	.000000	.000000	-.000000
		STD5	50.0000	50.0000	-.000004
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co	228.600	STD1-Blank	.000000	.000000	-.000000
		STD2	20.0000	20.0000	.000000

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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	-.000004

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

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

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

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

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li	670.700	STD1-Blank	.000000	.000000	-.000000
		STD3	50.0000	50.0000	-.000004

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

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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	.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

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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	.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	-.000004

Analysis Report

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Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 15:01:18
Comment: SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0144	.0033	.0202	.0007	.0001	.0164
SDev	.0022	.0075	.0045	.0040	.0005	.0000	.0084
%RSD	81.99	52.31	135.1	19.83	69.20	50.84	51.29
#1	.0037	.0187	.0039	.0196	.0009	.0001	.0234
#2	.0040	.0188	.0075	.0245	.0009	.0001	.0187
#3	.0001	.0057	-.0014	.0166	.0001	.0000	.0071

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	.0007	.0215	.0028	.0007	.0130	.0025
SDev	.0040	.0005	.0136	.0011	.0011	.0022	.0022
%RSD	57.14	71.90	63.22	37.71	167.4	16.99	88.52
#1	.0098	.0004	.0315	.0030	.0015	.0146	.0044
#2	.0085	.0004	.0271	.0038	.0012	.0139	.0032
#3	.0024	.0013	.0060	.0017	-.0006	.0105	.0000

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0016	.6114	.0060	.0015	.0206	.0003
SDev	.0005	.0018	.4347	.0029	.0024	.0100	.0001
%RSD	67.79	108.6	71.10	48.35	166.4	48.30	46.57
#1	.0011	.0030	.8911	.0082	.0027	.0193	.0004
#2	.0010	.0023	.8326	.0070	.0031	.0312	.0003
#3	.0002	-.0004	.1106	.0027	-.0013	.0114	.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0421	.0215	.0035	.0182	.0284	.0653
SDev	.0015	.0301	.0111	.0041	.0007	.0137	.0367
%RSD	213.6	71.60	51.27	114.5	3.972	48.26	56.26
#1	.0013	.0342	.0269	.0051	.0177	.0394	.0942
#2	.0019	.0754	.0289	.0066	.0180	.0327	.0777
#3	-.0010	.0167	.0088	-.0011	.0190	.0130	.0239

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0258	.0099	-.0032	.4247	.0778	.0004	.0142
SDev	.0161	.0099	.0038	.0451	.0478	.0002	.0120
%RSD	62.28	100.00	119.8	10.62	61.48	60.91	84.55
#1	.0388	.0140	.0011	.4666	.0838	.0006	.0157
#2	.0308	.0172	-.0063	.4304	.1223	.0005	.0253
#3	.0078	-.0014	-.0044	.3769	.0272	.0001	.0015

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	.0013	-.0092	.2516	.0022	.0096	.0010
SDev	.0047	.0010	.0015	.2329	.0016	.0196	.0008

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%RSD	71.52	72.30	16.09	92.58	73.90	203.5	78.51
#1	.0012	.0020	-.0077	.4458	.0032	.0225	.0016
#2	.0093	.0017	-.0092	.3156	.0031	.0193	.0013
#3	.0094	.0002	-.0107	-.0067	.0003	-.0129	.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0005	.0008
SDev	.0009	.0021
%RSD	176.3	283.7
#1	.0001	.0026
#2	.0015	.0013
#3	-.0001	-.0016

Analysis Report QC Standard Wed 09-13-95 03:05:21 PM page

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/13/95 15:04:02
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DMG 9/13/

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4839	24.46	2.486	1.961	.4935	.0931	24.50
SDev	.0022	.08	.015	.008	.0013	.0003	.06
%RSD	.4524	.3333	.5953	.4179	.2689	.2965	.2529
#1	.4814	24.36	2.487	1.952	.4920	.0928	24.43
#2	.4847	24.51	2.471	1.968	.4944	.0931	24.52
#3	.4855	24.50	2.500	1.962	.4941	.0933	24.55
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.12	.4806	-.0443	.9811	.9830	.9889	-.0016
SDev	.04	.0009	.0012	.0037	.0027	.0044	.0006
%RSD	.1853	.1798	2.709	.3744	.2771	.4473	37.70
#1	24.07	.4799	-.0457	.9778	.9815	.9846	-.0010
#2	24.13	.4802	-.0437	.9804	.9861	.9887	-.0017
#3	24.16	.4816	-.0435	.9850	.9813	.9934	-.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	.0015	19.56	26.52	.0032	1.974	25.40	.4965
SDev	.0001	.05	.20	.0012	.012	.07	.0008
%RSD	6.401	.2310	.7444	37.86	.5938	.2833	.1692
#1	.0016	19.51	26.41	.0045	1.963	25.31	.4960
#2	.0014	19.58	26.75	.0021	1.986	25.44	.4961
#3	.0014	19.60	26.39	.0030	1.971	25.43	.4975
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	.9840	24.71	.0049	1.014	.0539	2.489	-.0307
SDev	.0030	.17	.0022	.006	.0074	.006	.0078
%RSD	.3069	.7029	45.16	.5531	13.79	.2436	25.27
#1	.9815	24.56	.0066	1.016	.0625	2.483	-.0249
#2	.9831	24.90	.0024	1.008	.0498	2.492	-.0278
#3	.9873	24.68	.0056	1.019	.0495	2.494	-.0395
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

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Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0145	2.444	2.467	18.52	-.1198	.4959	-.0096
SDev	.0040	.009	.021	.05	.0173	.0012	.0004
%RSD	27.79	.3778	.8661	.2596	14.41	.2465	3.877
#1	-.0098	2.439	2.483	18.46	-.1163	.4945	-.0099
#2	-.0164	2.437	2.443	18.54	-.1386	.4964	-.0097
#3	-.0171	2.454	2.475	18.55	-.1046	.4968	-.0092
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	.0457	.9624	2.483	-.0878	.9708	.0236	-.0007
SDev	.0020	.0029	.017	.0474	.0013	.0034	.0000
%RSD	4.311	.3024	.6823	53.99	.1283	14.59	3.326
#1	.0440	.9591	2.464	-.0377	.9694	.0201	-.0007
#2	.0453	.9635	2.496	-.1320	.9719	.0236	-.0007
#3	.0479	.9646	2.490	-.0936	.9711	.0270	-.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	.9687	1.970
SDev	.0041	.006
%RSD	.4215	.3100
#1	.9644	1.963
#2	.9691	1.972
#3	.9726	1.975
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report

Wed 09-13-95 03:09:03 PM page

Method: ICP1 Sample Name: SST-ICS-2 9509081102 Operator: DRS
Run Time: 09/13/95 15:07:43
Comment: SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	91.44	.1627	.0173	.0025	.0011	.0848
SDev	.0010	.38	.0040	.0030	.0001	.0000	.0092
%RSD	21.30	.4157	2.454	17.52	3.233	2.401	10.91
#1	.0057	91.22	.1643	.0195	.0025	.0011	.0793
#2	.0038	91.88	.1582	.0185	.0024	.0011	.0796
#3	.0042	91.23	.1656	.0138	.0025	.0010	.0955

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0571	.0087	-.0713	.0141	.0399	-.0368	.0053
SDev	.0004	.0016	.0052	.0005	.0028	.0010	.0006
%RSD	.6730	17.95	7.355	3.780	7.115	2.746	11.83
#1	.0571	.0080	-.0671	.0142	.0367	-.0367	.0060
#2	.0575	.0105	-.0772	.0135	.0422	-.0379	.0048
#3	.0568	.0076	-.0696	.0145	.0407	-.0358	.0052

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	18.13	4159.	.0165	.0071	.2858	.0029
SDev	.0002	.06	19.	.0003	.0008	.0072	.0002
%RSD	6.702	.3308	.4455	2.098	11.38	2.508	7.358
#1	.0031	18.07	4147.	.0167	.0063	.2932	.0026
#2	.0030	18.19	4180.	.0161	.0071	.2789	.0030
#3	.0034	18.12	4150.	.0166	.0079	.2854	.0030

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0154	.3341	.0364	47.28	.1318	.2680	-.1697
SDev	.0010	.0226	.0039	.13	.0120	.0123	.0093
%RSD	6.527	6.751	10.65	.2723	9.114	4.582	5.486
#1	.0142	.3237	.0385	47.14	.1243	.2767	-.1632
#2	.0160	.3186	.0319	47.35	.1255	.2539	-.1804
#3	.0160	.3600	.0387	47.37	.1457	.2732	-.1656

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0509	.0454	.0641	.1895	.3463	.0006	.0530
SDev	.0070	.0105	.0086	.0041	.0359	.0001	.0011
%RSD	13.68	23.16	13.38	2.185	10.37	13.89	2.152
#1	.0560	.0550	.0680	.1941	.3189	.0007	.0543
#2	.0429	.0341	.0543	.1860	.3330	.0005	.0521
#3	.0537	.0469	.0701	.1885	.3869	.0006	.0527

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6691	.0046	.2323	45.57	.0106	.0847	.0068
SDev	.0037	.0002	.0050	.16	.0001	.0107	.0001

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%RSD	.5577	3.869	2.139	.3524	1.115	12.65	1.862
#1	.6690	.0046	.2338	45.39	.0105	.0970	.0066
#2	.6729	.0048	.2267	45.70	.0106	.0794	.0068
#3	.6654	.0044	.2363	45.61	.0108	.0776	.0069

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0279	9.312
SDev	.0011	.034
%RSD	3.972	.3624
#1	-.0290	9.289
#2	-.0268	9.350
#3	-.0280	9.295

Analysis Report QC Standard Wed 09-13-95 03:12:43 PM page 1

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/13/95 15:11:23
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Fail-Pd DS 9/14/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.1749	-.0101	.0096	.0002	.0003	.0026
SDev	.0017	.0143	.0088	.0024	.0005	.0000	.0076
%RSD	161.0	8.156	87.09	24.58	217.1	12.97	292.8
#1	.0029	-.1587	.0001	.0122	.0008	.0003	.0113
#2	.0006	-.1802	-.0154	.0090	-.0001	.0003	-.0015
#3	-.0004	-.1857	-.0149	.0076	-.0001	.0003	-.0021
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	.0086	.0020	1.991	.0017	.0016	.0184	1.999
SDev	.0022	.0007	.024	.0009	.0013	.0043	.035
%RSD	26.09	35.84	1.187	53.18	82.88	23.41	1.765
#1	.0110	.0018	1.965	.0028	.0030	.0232	1.961
#2	.0079	.0014	2.011	.0011	.0014	.0148	2.031
#3	.0067	.0028	1.999	.0014	.0004	.0172	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	1.986	.0042	.1561	1.979	-.0007	.0819	.0005
SDev	.035	.0006	.4001	.030	.0017	.0099	.0004
%RSD	1.760	13.57	256.3	1.521	224.4	12.08	83.95
#1	1.949	.0048	.6179	1.947	.0011	.0933	.0009
#2	2.018	.0042	-.0846	2.007	-.0013	.0764	.0001
#3	1.991	.0037	-.0650	1.983	-.0021	.0759	.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	-.0008	.0015	1.980	.0088	-.0081	.0393	Q2.212
SDev	.0011	.0097	.033	.0015	.0059	.0034	.020
%RSD	140.6	631.6	1.670	16.53	72.20	8.655	.8856
#1	.0003	.0125	1.949	.0105	-.0015	.0432	Q2.211
#2	-.0019	-.0018	2.015	.0077	-.0125	.0371	Q2.232
#3	-.0007	-.0061	1.976	.0084	-.0103	.0376	2.192
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail
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	2.046	-.0089	-.0026	.1122	2.028	.0003	1.818
SDev	.021	.0067	.0137	.0108	.010	.0001	.030
%RSD	1.017	75.19	520.7	9.595	.5081	53.54	1.626
#1	2.030	-.0020	.0042	.1242	2.039	.0004	Q1.792
#2	2.069	-.0092	-.0183	.1092	2.020	.0002	1.850
#3	2.038	-.0154	.0063	.1033	2.024	.0002	1.812
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	5.051	.0004	.0024	Q8.369	-.0019	Q.5092	.9770
SDev	.082	.0005	.0076	.030	.0015	.0142	.0150
%RSD	1.622	122.5	317.5	.3602	B1.72	2.781	1.537
#1	4.963	.0010	.0083	Q8.404	-.0001	Q.4930	.9613
#2	5.124	.0002	-.0062	Q8.350	-.0027	Q.5153	.9913
#3	5.067	.0000	.0050	Q8.354	-.0028	Q.5192	.9784
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	.0019	-.0168
SDev	.0008	.0016
%RSD	45.12	9.436
#1	.0022	-.0150
#2	.0009	-.0174
#3	.0025	-.0180
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Wed 09-13-95 03:15:06 PM page

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/13/95 15:13:46
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	-.1590	.0050	.0112	.0009	.0003	.0096
SDev	.0028	.0130	.0129	.0007	.0004	.0001	.0044
%RSD	88.37	8.181	256.1	6.366	48.58	30.22	45.81
#1	.0062	-.1440	.0101	.0116	.0013	.0004	.0130
#2	.0021	-.1664	.0147	.0115	.0008	.0003	.0046
#3	.0010	-.1666	-.0096	.0103	.0005	.0002	.0112
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	.0126	.0008	1.934	.0037	.0028	.0137	1.918
SDev	.0025	.0007	.022	.0023	.0006	.0016	.043
%RSD	20.05	87.43	1.154	61.81	19.55	12.07	2.245
#1	.0155	.0015	1.910	.0061	.0032	.0151	1.870
#2	.0112	.0009	1.937	.0033	.0031	.0141	1.928
#3	.0111	.0001	1.954	.0016	.0022	.0119	1.955
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	1.908	.0056	.7090	1.910	.0027	.0897	.0008
SDev	.042	.0008	.4536	.038	.0014	.0114	.0001
%RSD	2.180	14.35	63.98	2.015	52.88	12.72	8.434
#1	1.862	.0065	1.223	1.868	.0044	.0968	.0008
#2	1.917	.0055	.5399	1.918	.0023	.0957	.0008
#3	1.944	.0049	.3642	1.944	.0015	.0765	.0009
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	.0448	1.916	.0090	.0220	.0602	2.158
SDev	.0013	.0422	.031	.0036	.0069	.0129	.031
%RSD	133.8	94.12	1.630	39.70	31.24	21.34	1.438
#1	.0023	.0908	1.883	.0130	.0148	.0681	2.123
#2	-.0004	.0356	1.921	.0076	.0284	.0671	2.174
#3	.0010	.0080	1.945	.0063	.0226	.0454	2.178
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value			2.000				2.000

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Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.998	.0064	.0116	.1066	2.030	.0005	Q1.764
SDev	.027	.0084	.0065	.0137	.009	.0001	.019
%RSD	1.351	131.0	56.09	12.82	.4630	29.00	1.069
#1	1.970	.0155	.0172	.1223	2.040	.0006	Q1.748
#2	2.001	.0048	.0045	.0975	2.021	.0004	Q1.760
#3	2.024	-.0011	.0131	.1001	2.031	.0003	Q1.785
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	4.885	.0013	-.0013	Q8.347	.0001	Q.5028	.9420
SDev	.070	.0009	.0154	.042	.0014	.0217	.0178
%RSD	1.426	67.78	1215.	.5018	2807.	4.314	1.890
#1	4.811	.0024	.0132	Q8.314	.0015	Q.4799	.9228
#2	4.894	.0009	.0004	Q8.394	.0000	Q.5057	.9453
#3	4.949	.0007	-.0174	Q8.331	-.0014	Q.5230	.9579
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	.0017	-.0181
SDev	.0002	.0004
%RSD	10.64	2.079
#1	.0017	-.0178
#2	.0018	-.0185
#3	.0015	-.0179
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Wed 09-13-95 03:19:08 PM page 1

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/13/95 15:17:49
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0021	Q.0999	Q.0745	.1202	.0489	.0224	.0168
SDev	.0003	.0011	.0042	.0006	.0004	.0001	.0064
%RSD	12.96	1.135	5.626	.5036	.7296	.3009	38.17
#1	Q-.0019	Q.0989	Q.0783	Q.1207	.0486	.0223	.0190
#2	Q-.0024	Q.0997	Q.0700	.1195	.0488	.0224	.0095
#3	Q-.0019	Q.1012	Q.0752	.1204	.0493	.0225	.0217
Errors	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0022	.1146	.0821	.1190	.0496	.0232	
Range	13.60	4.500	1.500	1.200	6.250	9.500	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q35.17	.0129	-.0201	Q.0218	Q.0213	Q.0256	-.0028
SDev	.13	.0012	.0063	.0008	.0026	.0005	.0004
%RSD	.3635	9.278	31.41	3.773	12.05	2.108	14.34
#1	Q35.06	Q.0134	-.0140	Q.0227	Q.0243	Q.0251	-.0024
#2	Q35.15	Q.0137	-.0198	Q.0217	Q.0200	Q.0262	-.0030
#3	Q35.31	.0115	-.0266	Q.0211	Q.0197	Q.0254	-.0031
Errors	QC Fail	QC Pass	NOCHECK	QC Fail	QC Fail	QC Fail	NOCHECK
Value	36.80	.0122		.0235	.0190	.0223	
Range	3.800	8.200		3.400	3.200	12.60	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	Q.1166	Q1.977	.0023	Q.0114	Q9.755	.0349
SDev	.0002	.0008	.130	.0009	.0007	.053	.0002
%RSD	66.84	.6522	6.571	40.83	6.139	.5465	.6957
#1	.0004	Q.1158	Q2.062	.0033	Q.0110	9.707	.0347
#2	.0004	Q.1173	Q2.042	.0022	Q.0122	Q9.746	.0351
#3	.0001	Q.1168	Q1.828	.0014	Q.0110	Q9.813	.0350
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Pass
Value		.1069	2.300		.0165	9.450	.0351
Range		2.800	10.00		6.100	2.850	6.300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1011	12.12	-.0043	.0590	.0084	Q.0260	-.0447
SDev	.0008	.03	.0016	.0017	.0186	.0017	.0083
%RSD	.7839	.2818	37.06	2.818	221.5	6.491	18.64
#1	Q.1011	12.09	-.0026	.0571	.0137	Q.0263	-.0351
#2	Q.1020	12.16	-.0044	.0599	-.0123	Q.0241	-.0498
#3	Q.1004	12.12	-.0058	.0600	.0237	Q.0274	-.0492
Errors	QC Fail	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK
Value	.1043	12.19		.0606		.0353	

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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	-.0206	-.0161	Q-.0003	.0577	-.0994	Q.2597	-.0146
SDev	.0027	.0046	.0054	.0043	.0078	.0016	.0121
%RSD	12.98	28.77	1567.	7.474	7.857	.6351	82.58
#1	-.0176	-.0182	Q.0048	.0626	-.0905	Q.2581	-.0016
#2	-.0214	-.0108	Q.0002	.0544	-.1054	Q.2596	-.0169
#3	-.0228	-.0193	Q-.0060	.0563	-.1022	.2614	-.0254
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value			.0127			.2636	
Range			5.500			1.000	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0076	.0073	Q-.0025	-.0841	Q.0259	.0055	-.0028
SDev	.0030	.0005	.0039	.0508	.0003	.0111	.0004
%RSD	39.70	7.461	154.7	60.33	1.201	202.0	13.49
#1	-.0111	.0077	Q.0020	-.0409	Q.0262	.0136	-.0026
#2	-.0054	.0073	Q-.0053	-.0715	Q.0260	.0102	-.0026
#3	-.0065	.0067	Q-.0043	-.1400	Q.0256	-.0072	-.0033
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK	NOCHECK
Value			.0079		.0314		
Range			63.30		8.900		

Elem	Zn	Zr
Units	ppm	ppm
Avge	Q.0851	-.0024
SDev.	.0005	.0007
%RSD	.5545	27.59
#1	Q.0856	-.0017
#2	Q.0847	-.0029
#3	Q.0851	-.0027
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

Analysis Report Wed 09-13-95 03:22:47 PM page 1

Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/13/95 15:21:28
Comment: SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	1.916	1.980	1.956	.9895	.9775	1.965
SDev	.0006	.012	.008	.016	.0063	.0059	.018
%RSD	71.99	.6207	.4138	.8409	.6392	.6011	.9077
#1	-.0002	1.902	1.970	1.937	.9823	.9708	1.954
#2	-.0013	1.923	1.982	1.967	.9918	.9798	1.955
#3	-.0011	1.923	1.986	1.963	.9943	.9819	1.986

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.916	.9788	-.0024	1.012	.5073	2.012	-.0010
SDev	.007	.0086	.0009	.006	.0011	.014	.0005
%RSD	.3638	.8790	37.37	.5785	.2261	.6833	52.11
#1	1.907	.9691	-.0020	1.006	.5070	1.996	-.0004
#2	1.919	.9818	-.0017	1.016	.5063	2.016	-.0012
#3	1.920	.9855	-.0033	1.016	.5085	2.023	-.0013

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	1.970	5.360	-.0006	2.049	2.054	1.008
SDev	.0003	.010	.052	.0015	.029	.005	.005
%RSD	106.4	.4868	.9633	254.9	1.399	.2658	.5315
#1	.0005	1.959	5.321	.0011	2.016	2.051	1.002
#2	-.0000	1.971	5.418	-.0015	2.062	2.050	1.011
#3	.0002	1.978	5.340	-.0014	2.069	2.060	1.012

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.955	8.307	.0041	2.043	4.707	2.017	.0023
SDev	.009	.107	.0045	.024	.040	.019	.0089
%RSD	.4403	1.289	109.8	1.174	.8511	.9624	389.0
#1	1.945	8.187	.0077	2.017	4.674	2.003	.0125
#2	1.960	8.342	.0056	2.064	4.696	2.039	-.0038
#3	1.961	8.392	-.0010	2.049	4.752	2.009	-.0018

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	-.0119	1.971	4.994	-.0245	1.994	-.0202
SDev	.0088	.0038	.016	.033	.0085	.014	.0029
%RSD	769.1	32.06	.8304	.6555	34.74	.7188	14.38
#1	.0086	-.0078	1.954	4.957	-.0155	1.978	-.0187
#2	-.0034	-.0127	1.975	5.005	-.0256	1.998	-.0235
#3	-.0086	-.0153	1.986	5.020	-.0325	2.005	-.0183

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0003	1.975	-.0113	.9616	.0098	-.0003
SDev	.0049	.0001	.015	.0842	.0055	.0081	.0003

%RSD	336.5	24.38	.7491	743.9	.5712	82.88	94.29
#1	-.0034	.0004	1.962	.0834	.9553	.0049	-.0000
#2	.0063	.0004	1.991	-.0397	.9638	.0192	-.0007
#3	.0015	.0003	1.973	-.0777	.9656	.0053	-.0003

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.002	-.0013
SDev	.003	.0009
%RSD	.3123	65.47
#1	1.000	-.0005
#2	1.006	-.0013
#3	1.001	-.0022

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Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 15:25:22
Comment: SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0047	-.0076	.0065	.0004	.0001	.0012
SDev	.0006	.0044	.0085	.0007	.0001	.0000	.0046
%RSD	2954.	94.93	111.7	10.81	21.27	32.68	378.8
#1	-.0008	-.0003	-.0008	.0074	.0003	.0000	.0059
#2	.0003	.0061	-.0048	.0063	.0004	.0001	-.0034
#3	.0004	.0082	-.0171	.0060	.0004	.0001	.0011

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	-.0012	.0019	.0010	.0003	.0067	.0000
SDev	.0007	.0002	.0018	.0004	.0013	.0004	.0008
%RSD	38.84	15.27	93.94	42.69	382.8	5.956	8555.
#1	.0011	-.0013	.0010	.0007	-.0011	.0062	-.0008
#2	.0015	-.0010	.0007	.0008	.0011	.0070	.0000
#3	.0024	-.0012	.0040	.0015	.0011	.0069	.0008

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0002	.1496	.0012	-.0007	.0057	.0001
SDev	.0002	.0007	.0894	.0002	.0014	.0014	.0002
%RSD	99.62	424.0	59.77	18.96	210.3	24.42	198.0
#1	.0000	-.0006	.0715	.0010	-.0021	.0073	.0000
#2	.0002	-.0005	.1301	.0012	-.0005	.0046	.0003
#3	.0003	.0006	.2472	.0015	.0007	.0053	-.0000

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0090	.0059	.0008	.0092	.0082	.0259
SDev	.0004	.0160	.0033	.0002	.0223	.0060	.0136
%RSD	84.76	176.5	56.43	29.67	241.2	72.91	52.66
#1	.0008	.0076	.0026	.0011	.0332	.0040	.0102
#2	.0007	-.0062	.0058	.0007	.0054	.0151	.0345
#3	.0000	.0257	.0093	.0007	-.0109	.0056	.0330

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	-.0076	-.0036	.0266	.0109	.0004	.0008
SDev	.0070	.0090	.0180	.0034	.0269	.0001	.0014
%RSD	172.7	117.2	498.9	12.93	247.6	17.19	177.7
#1	-.0023	-.0175	-.0061	.0234	-.0131	.0004	.0018
#2	.0029	-.0000	.0155	.0262	.0058	.0005	-.0008
#3	.0115	-.0054	-.0203	.0303	.0400	.0004	.0014

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0067	.0002	-.0002	.0428	-.0002	.0022	.0002
SDev	.0066	.0003	.0059	.0701	.0009	.0095	.0002

%RSD	99.35	174.4	2830.	163.5	395.7	428.6	84.96
#1	.0001	.0001	-.0036	-.0359	-.0012	-.0022	.0001
#2	-.0069	-.0001	-.0037	.0663	-.0001	-.0042	.0001
#3	-.0132	.0005	.0066	.0982	.0006	.0131	.0004

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0006	.0000
SDev	.0008	.0013
%RSD	142.8	6331.
#1	-.0001	-.0013
#2	.0004	.0002
#3	.0014	.0012

Analysis Report Wed 09-13-95 03:31:29 PM page 1

Method: ICP1 Sample Name: 95-007945-H3 @2 Operator: DRS
Run Time: 09/13/95 15:30:09
Comment: METHOD BLANK @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0131	.2114	.0314	.6234	.0035	.0003	.0454
SDev	.0009	.0053	.0032	.0023	.0003	.0000	.0040
%RSD	6.894	2.522	10.12	.3673	7.944	8.663	8.740
#1	.0140	.2175	.0349	.6208	.0037	.0004	.0432
#2	.0122	.2079	.0286	.6246	.0032	.0003	.0430
#3	.0131	.2088	.0308	.6249	.0036	.0003	.0500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0890	.0057	.0691	.0329	.0167	.0899	.0106
SDev	.0007	.0014	.0021	.0011	.0032	.0022	.0009
%RSD	.7768	24.68	3.095	3.483	19.40	2.456	8.464
#1	.0892	.0063	.0711	.0334	.0166	.0913	.0116
#2	.0882	.0067	.0694	.0337	.0135	.0874	.0098
#3	.0895	.0041	.0668	.0316	.0200	.0910	.0105

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.4411	5075.	.0182	.0094	.0796	.2293
SDev	.0002	.0012	26.	.0009	.0010	.0045	.0014
%RSD	5.088	.2708	.5109	4.741	10.83	5.606	.5905
#1	.0033	.4403	5047.	.0188	.0083	.0831	.2278
#2	.0030	.4405	5080.	.0172	.0095	.0746	.2297
#3	.0031	.4425	5098.	.0186	.0103	.0811	.2305

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0114	2.687	.0667	4.667	.0868	.0912	.2002
SDev	.0018	.014	.0063	.015	.0070	.0093	.0176
%RSD	15.96	.5180	9.400	.3164	8.114	10.18	8.814
#1	.0134	2.683	.0710	4.652	.0809	.0997	.2185
#2	.0110	2.675	.0595	4.667	.0946	.0813	.1833
#3	.0099	2.702	.0695	4.682	.0849	.0925	.1988

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0903	.0444	.0535	.2858	.3227	.0032	.0639
SDev	.0061	.0069	.0066	.0037	.0162	.0001	.0036
%RSD	6.738	15.46	12.35	1.308	5.010	2.297	5.624
#1	.0973	.0513	.0517	.2873	.3344	.0032	.0659
#2	.0864	.0444	.0479	.2815	.3042	.0032	.0598
#3	.0871	.0375	.0608	.2885	.3295	.0033	.0661

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0170	.0134	.0374	1.034	.0096	.0297	.0039
SDev	.0049	.0003	.0076	.053	.0002	.0041	.0004

%RSD	28.69	2.182	20.34	5.142	2.111	13.83	9.586
#1	.0121	.0137	.0449	1.094	.0098	.0271	.0043
#2	.0218	.0132	.0376	.9947	.0094	.0275	.0037
#3	.0169	.0132	.0297	1.013	.0096	.0344	.0037

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0771	.0066
SDev	.0010	.0008
%RSD	1.253	11.55
#1	.0771	.0069
#2	.0781	.0057
#3	.0762	.0071

Analysis Report Wed 09-13-95 03:35:08 PM page 1

Method: ICP1 Sample Name: 95-007945-H1 @10 Operator: DRS
Run Time: 09/13/95 15:33:48
Comment: SEGMENT 1 @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	1.704	.0084	.0381	.0313	.0002	.1454
SDev	.0009	.014	.0046	.0013	.0001	.0001	.0063
%RSD	25.93	.8348	54.60	3.428	.2462	30.93	4.355
#1	.0041	1.688	.0106	.0372	.0313	.0002	.1383
#2	.0024	1.714	.0031	.0376	.0313	.0001	.1506
#3	.0034	1.710	.0114	.0396	.0314	.0002	.1472

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.279	.0028	.0193	.0093	.0712	.0170	.0019
SDev	.004	.0014	.0081	.0004	.0016	.0011	.0011
%RSD	.3182	48.98	42.22	3.972	2.266	6.326	59.40
#1	1.274	.0013	.0285	.0098	.0717	.0182	.0032
#2	1.282	.0032	.0131	.0092	.0724	.0164	.0009
#3	1.280	.0040	.0163	.0091	.0693	.0163	.0017

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	2.286	1124.	.0081	.0021	.1590	.1190
SDev	.0003	.014	10.	.0023	.0018	.0102	.0011
%RSD	33.41	.6295	.9177	27.79	82.64	6.409	.9253
#1	.0012	2.270	1112.	.0106	.0041	.1706	.1178
#2	.0007	2.295	1129.	.0062	.0013	.1554	.1193
#3	.0007	2.295	1131.	.0075	.0009	.1512	.1200

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	16.60	.0211	1.974	1.622	.1306	.0336
SDev	.0008	.16	.0077	.007	.023	.0066	.0198
%RSD	16.81	.9428	36.75	.3649	1.408	5.036	59.10
#1	.0054	16.42	.0299	1.970	1.602	.1326	.0564
#2	.0040	16.71	.0153	1.982	1.616	.1232	.0215
#3	.0042	16.67	.0180	1.970	1.647	.1359	.0227

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0180	.0050	.0019	.3532	.0666	1.479	.0184
SDev	.0100	.0082	.0097	.0043	.0223	.014	.0066
%RSD	55.37	164.5	496.1	1.210	33.55	.9458	35.88
#1	.0290	.0111	.0041	.3512	.0924	1.463	.0260
#2	.0094	-.0044	-.0086	.3581	.0535	1.488	.0142
#3	.0157	.0083	.0103	.3503	.0539	1.486	.0149

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0442	.0078	.0120	3.753	.0028	.0220	.0018
SDev	.0053	.0005	.0040	.053	.0006	.0046	.0004

%RSD	12.11	6.497	33.47	1.412	22.61	21.12	20.29
#1	.0493	.0084	.0131	3.803	.0034	.0235	.0022
#2	.0447	.0076	.0076	3.697	.0022	.0258	.0016
#3	.0386	.0074	.0154	3.757	.0027	.0168	.0016

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0328	.0008
SDev	.0013	.0004
%RSD	4.062	52.05
#1	.0313	.0012
#2	.0338	.0004
#3	.0333	.0008

Analysis Report Wed 09-13-95 03:38:52 PM page 1

Method: ICP1 Sample Name: 95-007945-H1 @5 Operator: DRS
Run Time: 09/13/95 15:37:32
Comment: SEGMENT 1 @5X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	3.381	.0250	.0720	.0609	.0003	.2924
SDev	.0006	.023	.0044	.0010	.0003	.0000	.0121
%RSD	8.672	.6819	17.46	1.367	.4571	9.086	4.132
#1	.0058	3.367	.0211	.0716	.0610	.0003	.2856
#2	.0068	3.408	.0241	.0712	.0611	.0003	.3063
#3	.0068	3.369	.0297	.0731	.0605	.0003	.2852

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.575	.0026	.0428	.0189	.1423	.0322	.0034
SDev	.019	.0008	.0034	.0017	.0008	.0012	.0005
%RSD	.7321	30.62	7.919	8.794	.5509	3.622	14.94
#1	2.561	.0035	.0389	.0172	.1414	.0309	.0031
#2	2.596	.0023	.0452	.0205	.1426	.0328	.0030
#3	2.567	.0020	.0443	.0190	.1429	.0330	.0039

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	4.532	2157.	.0160	.0045	.3161	.2371
SDev	.0002	.032	13.	.0004	.0008	.0073	.0019
%RSD	13.11	.7065	.6085	2.234	18.55	2.303	.8149
#1	.0015	4.519	2156.	.0156	.0036	.3196	.2358
#2	.0014	4.569	2171.	.0163	.0052	.3209	.2393
#3	.0018	4.509	2144.	.0160	.0048	.3077	.2361

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	32.30	.0365	3.897	3.244	.2536	.0509
SDev	.0003	.16	.0024	.016	.055	.0052	.0074
%RSD	3.860	.4977	6.464	.4018	1.698	2.055	14.47
#1	.0086	32.38	.0339	3.892	3.182	.2488	.0464
#2	.0085	32.39	.0371	3.914	3.289	.2528	.0468
#3	.0080	32.11	.0386	3.884	3.259	.2591	.0594

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0405	.0215	.0289	.6825	.1463	2.917	.0319
SDev	.0053	.0035	.0179	.0083	.0065	.019	.0053
%RSD	13.10	16.08	62.07	1.217	4.410	.6513	16.68
#1	.0363	.0253	.0210	.6827	.1463	2.912	.0359
#2	.0387	.0185	.0494	.6907	.1399	2.939	.0258
#3	.0464	.0207	.0162	.6741	.1528	2.902	.0339

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1002	.0149	.0252	7.375	.0054	.0384	.0036
SDev	.0024	.0004	.0139	.088	.0003	.0127	.0002

%RSD	2.440	2.525	55.15	1.189	5.563	33.01	5.023
#1	.1004	.0145	.0392	7.274	.0052	.0241	.0035
#2	.0977	.0150	.0249	7.432	.0052	.0430	.0038
#3	.1026	.0153	.0115	7.418	.0057	.0481	.0034

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0754	.0008
SDev	.0014	.0001
%RSD	1.810	7.896
#1	.0755	.0008
#2	.0767	.0008
#3	.0739	.0009

Analysis Report Wed 09-13-95 03:42:20 PM page 1

Method: ICP1 Sample Name: 95-007945-H1-PS @5 Operator: DRS
Run Time: 09/13/95 15:41:00
Comment: POST DIGEST SPIKE @5X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0108	12.43	.0476	.0695	.0598	.0007	.3066
SDev	.0006	.06	.0057	.0018	.0001	.0000	.0042
%RSD	5.072	.5015	12.07	2.567	.2200	1.295	1.377
#1	.0113	12.43	.0411	.0682	.0599	.0007	.3019
#2	.0109	12.37	.0520	.0689	.0597	.0007	.3080
#3	.0102	12.50	.0498	.0715	.0598	.0007	.3100

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.145	.2462	.0612	.0223	1.556	.0258	.0040
SDev	.023	.0034	.0043	.0004	.011	.0015	.0004
%RSD	.3197	1.395	7.067	1.911	.7202	5.672	9.674
#1	7.137	.2426	.0607	.0218	1.561	.0261	.0038
#2	7.128	.2466	.0658	.0227	1.544	.0271	.0045
#3	7.171	.2494	.0572	.0224	1.564	.0242	.0039

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	4.403	2090.	.0223	.0071	.4039	.3258
SDev	.0002	.020	12.	.0008	.0019	.0022	.0011
%RSD	8.272	.4510	.5781	3.396	26.05	.5451	.3261
#1	.0029	4.402	2089.	.0228	.0067	.4013	.3255
#2	.0025	4.383	2079.	.0227	.0091	.4048	.3250
#3	.0024	4.423	2103.	.0214	.0055	.4054	.3270

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0079	45.54	.0474	8.626	3.173	5.171	-.0282
SDev	.0011	.26	.0049	.028	.005	.000	.0046
%RSD	14.64	.5780	10.24	.3266	.1610	.0048	16.42
#1	.0066	45.51	.0501	8.621	3.177	5.171	-.0293
#2	.0088	45.29	.0503	8.601	3.168	5.171	-.0231
#3	.0082	45.82	.0418	8.657	3.175	5.171	-.0321

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0471	.0265	.0422	10.35	.2508	2.830	.0331
SDev	.0052	.0066	.0118	.04	.0221	.017	.0045
%RSD	10.97	24.84	27.96	.4116	8.807	.5923	13.53
#1	.0447	.0196	.0292	10.35	.2515	2.829	.0340
#2	.0530	.0327	.0523	10.30	.2725	2.813	.0372
#3	.0436	.0271	.0450	10.39	.2283	2.847	.0283

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3385	.0164	.0614	25.74	.0086	.0511	.0055
SDev	.0056	.0004	.0107	.14	.0008	.0079	.0004

%RSD	1.659	2.208	17.46	.5354	8.759	15.47	7.148
#1	.3321	.0160	.0490	25.76	.0089	.0592	.0052
#2	.3423	.0168	.0666	25.60	.0092	.0506	.0059
#3	.3413	.0163	.0685	25.87	.0078	.0434	.0055

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0629	.4595
SDev	.0004	.0019
%RSD	.6521	.4051
#1	.0631	.4591
#2	.0624	.4579
#3	.0631	.4615

Analysis Report Wed 09-13-95 03:46:09 PM page 1

Method: ICP1 Sample Name: 95-007945-H1 @2 Operator: DRS
Run Time: 09/13/95 15:44:50
Comment: SEGMENT 1 @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0171	7.874	.0576	.1579	.1385	.0007	.6889
SDev	.0022	.084	.0040	.0034	.0017	.0000	.0047
%RSD	13.13	1.069	6.880	2.156	1.207	4.322	.6804
#1	.0152	7.943	.0622	.1548	.1401	.0007	.6850
#2	.0166	7.898	.0555	.1615	.1387	.0007	.6941
#3	.0196	7.780	.0552	.1573	.1368	.0007	.6875

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.072	.0085	.0889	.0434	.3303	.0690	.0089
SDev	.048	.0002	.0121	.0005	.0012	.0006	.0009
%RSD	.7854	2.210	13.65	1.106	.3731	.9060	9.656
#1	6.111	.0087	.0763	.0436	.3296	.0683	.0079
#2	6.085	.0085	.0898	.0438	.3296	.0696	.0090
#3	6.019	.0084	.1005	.0429	.3317	.0690	.0096

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	10.50	4799.	.0361	.0098	.6964	.5515
SDev	.0003	.10	56.	.0021	.0006	.0144	.0046
%RSD	8.543	.9869	1.177	5.894	6.239	2.074	.8383
#1	.0036	10.58	4842.	.0337	.0104	.7124	.5555
#2	.0036	10.53	4820.	.0366	.0092	.6926	.5527
#3	.0042	10.38	4735.	.0378	.0100	.6842	.5464

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0187	72.94	.0771	9.047	7.676	.5789	.1003
SDev	.0010	.87	.0075	.091	.070	.0122	.0334
%RSD	5.151	1.199	9.765	1.001	.9130	2.102	33.27
#1	.0176	73.60	.0728	9.133	7.753	.5674	.0680
#2	.0194	73.28	.0726	9.056	7.661	.5777	.0982
#3	.0191	71.95	.0858	8.952	7.616	.5917	.1346

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0866	.0460	.0732	1.577	.3173	6.725	.0733
SDev	.0129	.0053	.0033	.013	.0272	.084	.0052
%RSD	14.88	11.48	4.565	.8558	8.557	1.255	7.053
#1	.0753	.0433	.0718	1.588	.2875	6.797	.0678
#2	.0840	.0426	.0770	1.582	.3406	6.745	.0781
#3	.1007	.0521	.0707	1.562	.3237	6.632	.0740

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2242	.0345	.0559	16.67	.0126	.0897	.0077
SDev	.0091	.0004	.0030	.02	.0012	.0081	.0005

%RSD	4.075	1.133	5.307	.1185	9.618	9.019	6.860
#1	.2341	.0341	.0545	16.68	.0115	.0806	.0072
#2	.2222	.0347	.0593	16.68	.0126	.0961	.0079
#3	.2162	.0348	.0539	16.65	.0139	.0923	.0082

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1600	.0052
SDev	.0015	.0017
%RSD	.9670	33.36
#1	.1595	.0034
#2	.1618	.0053
#3	.1588	.0068

Analysis Report

Wed 09-13-95 03:49:59 PM page

Method: ICP1 Sample Name: 95-007945-H2 @10 Operator: DRS
Run Time: 09/13/95 15:48:40
Comment: SEGMENT 1 DUP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	1.896	.0122	.0547	.0363	.0002	.1796
SDev	.0007	.015	.0045	.0015	.0002	.0000	.0030
%RSD	16.10	.7997	37.04	2.677	.6368	3.935	1.693
#1	.0054	1.883	.0089	.0533	.0361	.0002	.1761
#2	.0040	1.912	.0173	.0562	.0365	.0002	.1817
#3	.0043	1.892	.0103	.0546	.0365	.0002	.1810

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.459	.0013	.0312	.0103	.0722	.0079	.0034
SDev	.009	.0019	.0044	.0016	.0006	.0003	.0006
%RSD	.6144	144.0	14.20	15.95	.8867	4.356	17.02
#1	1.449	.0035	.0347	.0119	.0725	.0083	.0038
#2	1.466	-.0000	.0262	.0086	.0715	.0079	.0027
#3	1.461	.0005	.0325	.0105	.0727	.0076	.0036

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	2.528	1125.	.0106	.0037	.1521	.0614
SDev	.0002	.016	9.	.0012	.0012	.0021	.0002
%RSD	14.41	.6327	.7847	10.91	32.53	1.398	.3790
#1	.0014	2.512	1116.	.0110	.0037	.1527	.0612
#2	.0011	2.543	1133.	.0094	.0025	.1497	.0615
#3	.0014	2.530	1125.	.0116	.0049	.1538	.0616

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	16.80	.0263	1.316	1.647	.1640	.0564
SDev	.0014	.12	.0054	.007	.023	.0051	.0166
%RSD	41.47	.7115	20.48	.5184	1.377	3.131	29.44
#1	.0035	16.67	.0285	1.310	1.622	.1640	.0699
#2	.0018	16.90	.0202	1.324	1.656	.1589	.0379
#3	.0044	16.83	.0303	1.315	1.664	.1692	.0615

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0293	.0170	.0154	.6262	.1171	1.730	.0210
SDev	.0066	.0073	.0145	.0028	.0197	.014	.0035
%RSD	22.55	42.70	94.07	.4459	16.80	.8208	16.48
#1	.0347	.0254	.0242	.6278	.1363	1.715	.0218
#2	.0219	.0123	.0232	.6277	.0970	1.743	.0172
#3	.0313	.0133	-.0013	.6229	.1181	1.732	.0240

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0534	.0075	.0154	4.391	.0040	.0210	.0020
SDev	.0036	.0003	.0170	.065	.0006	.0031	.0005

%RSD	6.720	4.353	110.7	1.476	14.32	14.79	25.15
#1	.0514	.0078	-.0010	4.406	.0045	.0226	.0026
#2	.0576	.0072	.0142	4.320	.0034	.0230	.0016
#3	.0513	.0075	.0330	4.447	.0041	.0174	.0019

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0290	.0014
SDev	.0011	.0008
%RSD	3.831	58.85
#1	.0299	.0022
#2	.0295	.0005
#3	.0278	.0015

Analysis Report

Wed 09-13-95 03:53:54 PM page

Method: ICP1 Sample Name: 95-007945-H2 @2 Operator: DRS
Run Time: 09/13/95 15:52:35
Comment: SEGMENT 1 DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0191	8.402	.0627	.2284	.1536	.0009	.8025
SDev	.0021	.131	.0124	.0022	.0025	.0001	.0067
%RSD	10.78	1.555	19.75	.9544	1.612	7.631	.8372
#1	.0176	8.508	.0621	.2273	.1557	.0008	.8026
#2	.0182	8.442	.0506	.2309	.1544	.0009	.8091
#3	.0214	8.256	.0754	.2270	.1509	.0009	.7957

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.684	.0069	.1255	.0417	.3194	-.0089	.0133
SDev	.064	.0009	.0114	.0013	.0031	.0012	.0020
%RSD	.9524	12.68	9.058	3.214	.9644	13.91	14.77
#1	6.748	.0073	.1150	.0417	.3174	-.0100	.0122
#2	6.684	.0058	.1240	.0403	.3230	-.0092	.0120
#3	6.621	.0074	.1375	.0430	.3179	-.0076	.0155

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	11.16	4642.	.0471	.0146	.6701	.2734
SDev	.0005	.14	87.	.0022	.0017	.0014	.0030
%RSD	9.926	1.248	1.869	4.570	11.51	.2015	1.106
#1	.0051	11.29	4710.	.0449	.0127	.6710	.2766
#2	.0050	11.18	4671.	.0471	.0151	.6707	.2730
#3	.0060	11.01	4544.	.0492	.0160	.6685	.2706

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0151	70.93	.1088	5.842	7.575	.6771	.1746
SDev	.0008	1.66	.0120	.056	.102	.0039	.0323
%RSD	5.389	2.335	11.05	.9582	1.344	.5790	18.48
#1	.0148	72.12	.0987	5.894	7.664	.6753	.1493
#2	.0145	71.64	.1055	5.850	7.596	.6744	.1636
#3	.0161	69.04	.1221	5.783	7.464	.6816	.2109

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1259	.0623	.0848	2.752	.4473	7.472	.0955
SDev	.0164	.0185	.0117	.031	.0399	.126	.0061
%RSD	13.02	29.77	13.76	1.114	8.926	1.682	6.407
#1	.1126	.0531	.0743	2.778	.4232	7.580	.0894
#2	.1208	.0502	.0827	2.759	.4252	7.502	.1016
#3	.1442	.0836	.0973	2.718	.4933	7.334	.0955

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2535	.0328	.0684	18.52	.0158	.0914	.0098
SDev	.0056	.0006	.0093	.17	.0019	.0105	.0008

%RSD	2.190	1.918	13.57	.8948	11.88	11.51	8.056
#1	.2534	.0323	.0578	18.69	.0142	.0984	.0092
#2	.2480	.0327	.0721	18.52	.0153	.0793	.0096
#3	.2591	.0335	.0751	18.36	.0179	.0965	.0107

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1334	.0063
SDev	.0031	.0010
%RSD	2.316	15.16
#1	.1346	.0057
#2	.1358	.0058
#3	.1299	.0074

Analysis Report Wed 09-13-95 03:58:09 PM page 1

Method: ICP1 Sample Name: 95-007946-HCB @2 Operator: DRS
Run Time: 09/13/95 15:56:49
Comment: METHOD BLANK @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0204	.5384	.1070	.1858	.0084	.0006	.1228
SDev	.0021	.0008	.0054	.0019	.0004	.0000	.0051
%RSD	10.32	.1575	5.061	1.003	4.774	6.441	4.134
#1	.0203	.5387	.1050	.1844	.0085	.0007	.1225
#2	.0225	.5390	.1131	.1852	.0088	.0006	.1280
#3	.0183	.5374	.1029	.1879	.0080	.0006	.1178

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1253	.0146	.1232	.0440	.0370	.0316	.0217
SDev	.0018	.0032	.0205	.0022	.0024	.0034	.0025
%RSD	1.439	21.89	16.65	5.085	6.380	10.84	11.60
#1	.1245	.0134	.1288	.0451	.0344	.0319	.0223
#2	.1274	.0182	.1403	.0455	.0391	.0349	.0239
#3	.1241	.0122	.1005	.0414	.0374	.0281	.0190

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	.1915	4506.	.0298	.0194	.1080	.1880
SDev	.0008	.0031	119.	.0057	.0021	.0007	.0036
%RSD	14.21	1.614	2.637	18.97	10.62	.6345	1.933
#1	.0054	.1900	4467.	.0317	.0199	.1081	.1875
#2	.0061	.1895	4412.	.0342	.0211	.1072	.1846
#3	.0045	.1951	4640.	.0234	.0171	.1086	.1918

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0189	2.172	.1146	62.06	.1754	.1601	.4464
SDev	.0009	.031	.0138	1.23	.0150	.0220	.0382
%RSD	4.932	1.415	12.01	1.984	8.535	13.77	8.555
#1	.0192	2.152	.1185	61.73	.1735	.1632	.4566
#2	.0197	2.157	.1260	61.04	.1912	.1804	.4785
#3	.0179	2.208	.0993	63.43	.1615	.1367	.4042

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1997	.0899	.0982	.4663	.5822	.0088	.1184
SDev	.0203	.0111	.0031	.0046	.0574	.0002	.0076
%RSD	10.18	12.34	3.148	.9831	9.854	2.069	6.376
#1	.2065	.1027	.0949	.4631	.6008	.0087	.1137
#2	.2158	.0842	.0986	.4715	.6281	.0090	.1271
#3	.1769	.0828	.1010	.4642	.5179	.0088	.1145

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0481	.1551	.0560	1.957	.0168	.1000	.0070
SDev	.0035	.0030	.0008	.233	.0019	.0047	.0009

%RSD	7.331	1.914	1.519	11.92	11.29	4.696	13.03
#1	.0518	.1537	.0554	1.997	.0170	.0975	.0073
#2	.0475	.1532	.0569	2.168	.0186	.0970	.0078
#3	.0448	.1586	.0556	1.707	.0148	.1054	.0060

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0287	.0152
SDev	.0022	.0016
%RSD	7.619	10.63
#1	-.0269	.0157
#2	-.0282	.0166
#3	-.0311	.0134

Analysis Report QC Standard Wed 09-13-95 04:03:07 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/13/95 16:01:47
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Fail-Low DB 9/13/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4664	22.94	2.426	1.852	.4603	Q.0892	23.44
SDev	.0034	.18	.029	.017	.0040	.0006	.16
%RSD	.7344	.7647	1.215	.8910	.8687	.7255	.6870
#1	.4629	22.77	2.392	1.842	.4566	Q.0885	23.27
#2	.4698	23.12	2.446	1.871	.4645	Q.0898	23.59
#3	.4666	22.92	2.441	1.844	.4597	Q.0891	23.45
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	23.52	.4696	.0203	.9579	.9603	.9184	.0066
SDev	.15	.0003	.0044	.0049	.0030	.0072	.0005
%RSD	.6508	.0645	21.79	.5136	.3115	.7860	7.140
#1	23.37	.4693	.0219	.9533	.9571	.9112	.0071
#2	23.67	.4699	.0153	.9631	.9631	.9256	.0062
#3	23.50	.4696	.0236	.9571	.9606	.9184	.0065
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	.0038	18.81	Q27.71	.0157	Q1.709	24.37	.4802
SDev	.0001	.13	.97	.0005	.011	.16	.0032
%RSD	1.634	.6662	3.485	3.100	.6476	.6734	.6575
#1	.0038	18.70	Q28.68	.0163	Q1.698	24.21	.4770
#2	.0037	18.95	Q27.72	.0155	Q1.720	24.54	.4833
#3	.0038	18.78	26.75	.0153	Q1.708	24.35	.4805
Errors	NOCHECK	QC Pass	QC Fail	NOCHECK	QC Fail	QC Pass	QC Pass
Value		20.00	25.00		2.000	25.00	.5000
Range		2.000	2.500		.2000	2.500	.0500

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9522	Q21.50	.0557	1.025	.0854	2.492	.1186
SDev	.0070	.11	.0033	.018	.0192	.019	.0112
%RSD	.7371	.5338	5.919	1.761	22.50	.7699	9.435
#1	.9443	Q21.39	.0577	1.031	.1076	2.474	.1208
#2	.9577	Q21.62	.0519	1.039	.0753	2.512	.1065
#3	.9545	Q21.48	.0575	1.005	.0733	2.491	.1286
Errors	QC Pass	QC Fail	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	.0565	2.378	2.400	Q17.62	.1175	.4764	.0269
SDev	.0050	.019	.036	.13	.0176	.0041	.0024
%RSD	8.949	.7941	1.482	.7215	15.03	.8559	9.075
#1	.0622	2.361	2.360	Q17.50	.1049	.4731	.0294
#2	.0528	2.398	2.427	Q17.75	.1098	.4809	.0269
#3	.0544	2.376	2.413	Q17.60	.1376	.4751	.0245
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	.0485	.9157	2.402	.7736	.9333	.0489	.0027
SDev	.0062	.0069	.032	.1125	.0069	.0018	.0001
%RSD	12.80	.7485	1.331	14.54	.7347	3.743	2.004
#1	.0473	.9097	2.365	.8214	.9269	.0507	.0027
#2	.0552	.9232	2.414	.6451	.9405	.0489	.0027
#3	.0430	.9144	2.425	.8543	.9324	.0471	.0026
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	.9430	1.871
SDev	.0085	.014
%RSD	.9045	.7512
#1	.9410	1.858
#2	.9523	1.886
#3	.9356	1.869
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report QC Standard Wed 09-13-95 04:06:47 PM page 1

Method: ICP1 Sample Name: MCVA 950728I901 Operator: DRS
Run Time: 09/13/95 16:05:27
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 9/14/

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4927	24.51	2.553	1.975	.4950	.0948	24.82
SDev	.0008	.10	.004	.007	.0018	.0004	.13
%RSD	.1528	.4237	.1589	.3699	.3667	.4137	.5070
#1	.4924	24.52	2.549	1.977	.4949	.0947	24.86
#2	.4923	24.40	2.556	1.967	.4932	.0945	24.68
#3	.4936	24.61	2.556	1.981	.4968	.0953	24.92
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	25.00	2.500	2.000	.5000	.1000	25.00
Range	.0500	2.500	.2500	.2000	.0500	.0100	2.500

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.75	.4933	-.0166	1.009	1.009	.9868	.0015
SDev	.10	.0027	.0040	.004	.010	.0055	.0001
%RSD	.4209	.5423	23.92	.3794	.9623	.5584	8.494
#1	24.69	.4925	-.0124	1.007	1.012	.9852	.0014
#2	24.69	.4963	-.0204	1.007	.9982	.9822	.0016
#3	24.87	.4911	-.0170	1.013	1.017	.9929	.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	.0024	19.96	24.94	.0076	1.865	25.80	.5080
SDev	.0002	.09	.33	.0003	.016	.11	.0028
%RSD	7.892	.4457	1.331	4.023	.8422	.4352	.5596
#1	.0022	19.93	25.32	.0074	1.880	25.77	.5076
#2	.0026	19.89	24.70	.0074	1.849	25.70	.5053
#3	.0024	20.06	24.81	.0079	1.866	25.92	.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	1.013	23.36	.0218	1.049	.0805	2.589	.0156
SDev	.004	.19	.0012	.004	.0214	.017	.0033
%RSD	.3526	.8050	5.393	.4088	26.56	.6620	21.10
#1	1.011	23.55	.0216	1.048	.0568	2.570	.0155
#2	1.012	23.18	.0231	1.053	.0863	2.593	.0189
#3	1.017	23.33	.0208	1.045	.0983	2.604	.0123
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value	1.000	25.00		1.000		2.500	

Analysis Report QC Standard Wed 09-13-95 04:06:47 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	.0135	2.508	2.545	19.15	-.0023	.5114	.0045
SDev	.0009	.008	.015	.07	.0174	.0024	.0052
%RSD	6.622	.3330	.5880	.3787	767.1	.4588	117.6
#1	.0145	2.503	2.536	19.15	.0061	.5112	-.0014
#2	.0130	2.503	2.536	19.08	-.0223	.5091	.0060
#3	.0130	2.518	2.562	19.23	.0094	.5138	.0088
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	.0509	.9766	2.550	.2388	.9900	.0385	.0007
SDev	.0027	.0042	.018	.0132	.0050	.0061	.0002
%RSD	5.383	.4287	.7105	5.513	.5022	15.93	27.89
#1	.0537	.9763	2.543	.2254	.9868	.0327	.0005
#2	.0509	.9727	2.536	.2517	.9875	.0449	.0008
#3	.0482	.9810	2.570	.2393	.9958	.0378	.0008
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		1.000	2.500		1.000		
Range		.1000	.2500		.1000		

Elem	Zn	Zr
Units	ppm	ppm
Avge	.9924	1.997
SDev	.0043	.009
%RSD	.4312	.4418
#1	.9887	1.993
#2	.9914	1.991
#3	.9971	2.008
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report

Wed 09-13-95 04:10:42 PM page

Method: ICP1 Sample Name: SST-ICS-2 9509081102 Operator: DRS
Run Time: 09/13/95 16:09:22
Comment: METHOD BLANK @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0118	89.69	.1919	.0164	.0038	.0013	.1149
SDev	.0010	.49	.0143	.0013	.0000	.0001	.0036
%RSD	8.504	.5489	7.466	7.785	.1761	4.249	3.122
#1	.0113	89.74	.2050	.0179	.0038	.0013	.1138
#2	.0112	90.16	.1766	.0154	.0038	.0012	.1189
#3	.0130	89.17	.1941	.0161	.0038	.0013	.1120

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0722	.0111	-.0250	.0210	.0428	-.0344	.0122
SDev	.0006	.0002	.0037	.0008	.0035	.0017	.0011
%RSD	.8473	2.090	14.91	3.896	8.098	5.019	9.131
#1	.0729	.0109	-.0220	.0202	.0389	-.0351	.0119
#2	.0718	.0112	-.0291	.0218	.0439	-.0356	.0113
#3	.0719	.0114	-.0237	.0210	.0456	-.0324	.0134

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0051	18.14	3999.	.0254	.0136	.3455	.0043
SDev	.0003	.09	23.	.0012	.0012	.0049	.0003
%RSD	5.272	.4727	.5798	4.636	9.020	1.406	6.778
#1	.0049	18.16	4002.	.0240	.0139	.3499	.0040
#2	.0050	18.22	4021.	.0259	.0147	.3403	.0045
#3	.0054	18.05	3975.	.0262	.0123	.3462	.0044

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0201	.4003	.0681	47.82	.1484	.3039	-.0863
SDev	.0009	.0052	.0026	.19	.0123	.0163	.0125
%RSD	4.529	1.291	3.865	.4015	8.320	5.346	14.49
#1	.0211	.4062	.0679	47.81	.1359	.3121	-.0788
#2	.0199	.3968	.0656	48.02	.1487	.2852	-.1007
#3	.0193	.3978	.0708	47.63	.1606	.3144	-.0793

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1070	.0663	.1063	.3260	.5174	.0016	.0925
SDev	.0025	.0128	.0120	.0024	.0358	.0001	.0038
%RSD	2.299	19.29	11.28	.7329	6.914	9.388	4.123
#1	.1044	.0653	.1095	.3268	.5034	.0016	.0898
#2	.1073	.0540	.1163	.3234	.4907	.0014	.0908
#3	.1093	.0795	.0930	.3279	.5580	.0017	.0968

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7001	.0073	.2615	44.98	.0170	.0994	.0091
SDev	.0115	.0002	.0031	.26	.0006	.0045	.0005

%RSD	1.636	2.768	1.192	.5818	3.821	4.567	5.972
#1	.6874	.0073	.2641	45.07	.0171	.0947	.0088
#2	.7095	.0072	.2581	45.19	.0163	.0997	.0088
#3	.7035	.0075	.2624	44.69	.0176	.1037	.0098

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0255	9.225
SDev	.0002	.052
%RSD	.7107	.5688
#1	-.0256	9.240
#2	-.0253	9.268
#3	-.0256	9.166

Analysis Report Wed 09-13-95 04:14:48 PM page 1

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 16:13:29
Comment: METHOD BLANK @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0086	-.0130	.0042	.0001	.0000	-.0018
SDev	.0010	.0012	.0059	.0017	.0002	.0000	.0056
%RSD	159.5	14.35	45.22	40.48	224.2	109.9	315.9
#1	.0004	.0079	-.0196	.0030	.0003	.0000	.0033
#2	-.0007	.0078	-.0106	.0034	-.0001	-.0000	-.0009
#3	-.0016	.0100	-.0086	.0062	.0001	.0000	-.0077

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	-.0000	-.0075	.0005	-.0004	.0041	-.0000
SDev	.0007	.0005	.0014	.0004	.0008	.0012	.0008
%RSD	44.73	2306.	18.32	82.85	195.3	29.16	4613.
#1	.0016	-.0001	-.0059	.0007	.0000	.0036	.0008
#2	.0008	-.0005	-.0083	.0000	-.0013	.0055	-.0008
#3	.0021	.0005	-.0083	.0008	.0001	.0033	-.0001

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm.
Avge	-.0001	.0013	.0585	-.0002	.0003	.0024	-.0000
SDev	.0001	.0006	.1176	.0025	.0007	.0016	.0003
%RSD	134.3	44.47	200.9	1509.	259.2	64.23	712.0
#1	-.0000	.0018	.1691	.0026	-.0005	.0038	.0003
#2	-.0001	.0007	-.0650	-.0020	.0007	.0028	-.0003
#3	.0000	.0014	.0715	-.0011	.0007	.0007	-.0001

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	.0061	.0009	.0026	.0277	.0027	.0051
SDev	.0009	.0027	.0039	.0013	.0146	.0068	.0099
%RSD	131.7	43.34	433.9	51.19	52.78	254.9	192.7
#1	-.0018	.0075	.0035	.0035	.0430	.0105	.0111
#2	-.0004	.0078	-.0035	.0033	.0263	-.0019	-.0063
#3	.0001	.0031	.0027	.0011	.0139	-.0006	.0105

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0037	-.0093	-.0138	.0822	-.0167	.0006	-.0051
SDev	.0024	.0101	.0112	.0056	.0249	.0001	.0047
%RSD	63.45	108.9	80.67	6.827	149.7	12.05	91.57
#1	-.0012	-.0008	-.0259	.0885	-.0440	.0006	-.0010
#2	-.0058	-.0204	-.0117	.0804	.0049	.0005	-.0101
#3	-.0041	-.0065	-.0039	.0777	-.0109	.0005	-.0041

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-.0001	-.0058	-.0382	-.0001	.0042	-.0004
SDev	.0021	.0000	.0018	.0931	.0002	.0061	.0005

%RSD	194.7	39.23	31.95	244.1	259.9	144.4	117.4
#1	-.0006	-.0001	-.0078	.0526	-.0003	.0046	-.0006
#2	.0034	-.0001	-.0053	-.1336	.0000	-.0020	-.0009
#3	.0004	-.0002	-.0042	-.0335	.0001	.0101	.0001

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0004	-.0001
SDev	.0005	.0004
%RSD	119.3	376.9
#1	.0009	.0001
#2	.0004	-.0006
#3	-.0001	.0001

Analysis Report Wed 09-13-95 04:17:07 PM page

Method: ICP1 Sample Name: 95-007946-H1T @10 Operator: DRS
Run Time: 09/13/95 16:15:48
Comment: QTR SEG 4B TOP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0068	1.371	.0318	.0533	.0667	.0003	.3519
SDev	.0012	.015	.0043	.0006	.0007	.0001	.0158
%RSD	17.94	1.117	13.68	1.223	1.103	14.97	4.485
#1	.0060	1.386	.0270	.0532	.0674	.0003	.3699
#2	.0063	1.373	.0330	.0540	.0667	.0003	.3407
#3	.0083	1.355	.0355	.0527	.0659	.0004	.3450

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.212	.0063	.0506	.0141	.0579	.0122	.0065
SDev	.015	.0011	.0110	.0011	.0011	.0016	.0017
%RSD	1.248	17.71	21.77	8.046	1.956	13.48	25.81
#1	1.229	.0051	.0421	.0140	.0583	.0123	.0056
#2	1.210	.0074	.0467	.0130	.0566	.0105	.0054
#3	1.199	.0065	.0631	.0152	.0587	.0138	.0084

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	3.036	1105.	.0137	.0163	.1802	.0838
SDev	.0004	.039	11.	.0025	.0009	.0051	.0011
%RSD	21.17	1.300	.9576	18.29	5.689	2.849	1.377
#1	.0016	3.073	1111.	.0123	.0158	.1774	.0850
#2	.0014	3.041	1112.	.0121	.0174	.1861	.0838
#3	.0022	2.994	1093.	.0166	.0158	.1770	.0827

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	11.38	.0414	16.84	2.029	.1457	.0759
SDev	.0009	.14	.0084	.20	.031	.0074	.0213
%RSD	12.76	1.242	20.32	1.206	1.530	5.107	28.08
#1	.0068	11.45	.0353	17.05	2.065	.1408	.0615
#2	.0063	11.48	.0380	16.84	2.007	.1419	.0658
#3	.0080	11.22	.0510	16.64	2.016	.1542	.1004

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0591	.0319	.0346	.4715	.1862	2.859	.0397
SDev	.0095	.0051	.0122	.0050	.0349	.040	.0114
%RSD	16.04	15.84	35.42	1.053	18.76	1.405	28.61
#1	.0565	.0289	.0330	.4727	.1575	2.894	.0323
#2	.0512	.0291	.0232	.4661	.1761	2.868	.0341
#3	.0696	.0378	.0475	.4758	.2251	2.815	.0528

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1007	.0514	.0144	6.946	.0056	.0364	.0033
SDev	.0031	.0002	.0054	.046	.0010	.0120	.0004

%RSD	3.101	.3233	37.36	.6619	17.61	33.04	11.27
#1	.1030	.0516	.0180	6.957	.0051	.0417	.0030
#2	.0971	.0514	.0171	6.895	.0049	.0226	.0031
#3	.1020	.0513	.0082	6.985	.0067	.0448	.0037

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0061	.0051
SDev	.0010	.0010
%RSD	16.16	19.92
#1	.0053	.0043
#2	.0058	.0048
#3	.0072	.0063

Analysis Report Wed 09-13-95 04:20:57 PM page 1

Method: ICP1 Sample Name: 95-007946-H1T @2 Operator: DRS
Run Time: 09/13/95 16:19:37
Comment: QTR SEG 4B TOP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0129	6.547	.1102	.2303	.3100	.0010	1.626
SDev	.0009	.079	.0060	.0022	.0042	.0000	.019
%RSD	7.000	1.201	5.483	.9418	1.358	.5266	1.161
#1	.0123	6.603	.1087	.2320	.3131	.0010	1.645
#2	.0125	6.581	.1168	.2279	.3117	.0010	1.624
#3	.0139	6.457	.1050	.2311	.3052	.0010	1.608

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.945	.0286	.0866	.0465	.2841	.0317	.0093
SDev	.070	.0014	.0072	.0007	.0035	.0016	.0007
%RSD	1.177	4.738	8.266	1.506	1.234	4.945	7.929
#1	5.983	.0273	.0784	.0458	.2804	.0330	.0084
#2	5.989	.0284	.0897	.0466	.2874	.0322	.0095
#3	5.865	.0300	.0917	.0472	.2845	.0300	.0098

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	14.55	4929.	.0276	.0638	.7571	.4024
SDev	.0006	.18	59.	.0004	.0012	.0120	.0050
%RSD	18.95	1.267	1.191	1.579	1.929	1.583	1.236
#1	.0025	14.66	4972.	.0279	.0651	.7532	.4056
#2	.0031	14.65	4954.	.0279	.0627	.7705	.4049
#3	.0037	14.34	4862.	.0271	.0635	.7474	.3967

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0217	51.82	.0774	80.41	10.07	.5714	-.0124
SDev	.0002	.63	.0045	.96	.10	.0066	.0197
%RSD	1.016	1.214	5.847	1.189	.9782	1.145	159.1
#1	.0218	52.28	.0726	80.93	10.10	.5667	-.0275
#2	.0214	52.08	.0779	80.98	10.15	.5789	-.0194
#3	.0218	51.10	.0816	79.30	9.958	.5687	.0099

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1149	.0677	.0875	2.101	.4260	13.72	.0985
SDev	.0070	.0040	.0109	.028	.0402	.17	.0049
%RSD	6.097	5.881	12.47	1.338	9.430	1.257	5.009
#1	.1076	.0633	.0758	2.113	.3799	13.83	.0934
#2	.1156	.0688	.0894	2.121	.4535	13.80	.1033
#3	.1215	.0711	.0974	2.069	.4447	13.52	.0988

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4451	.2396	.0786	30.97	.0140	.1247	.0096
SDev	.0120	.0029	.0027	.36	.0004	.0079	.0004

%RSD	2.701	1.212	3.389	1.147	3.163	6.344	4.098
#1	.4428	.2415	.0806	31.19	.0138	.1175	.0092
#2	.4581	.2410	.0797	31.16	.0137	.1332	.0099
#3	.4344	.2363	.0756	30.56	.0145	.1233	.0098

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0315	.0167
SDev	.0022	.0009
%RSD	6.913	5.510
#1	.0292	.0166
#2	.0335	.0159
#3	.0317	.0177

Analysis Report Wed 09-13-95 04:24:47 PM page 1

Method: ICP1 Sample Name: 95-007946-H2T @10 Operator: DRS
Run Time: 09/13/95 16:23:27
Comment: QTR SEG 4B TOP DUP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0074	1.102	.0297	.0470	.0485	.0003	.2703
SDev	.0007	.012	.0048	.0011	.0003	.0000	.0067
%RSD	9.831	1.116	16.09	2.291	.6977	3.386	2.497
#1	.0076	1.088	.0293	.0463	.0482	.0003	.2736
#2	.0079	1.105	.0252	.0464	.0485	.0003	.2626
#3	.0065	1.112	.0348	.0482	.0489	.0003	.2748

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8670	.0091	.0540	.0119	.0437	.0097	.0069
SDev	.0029	.0003	.0073	.0016	.0009	.0011	.0003
%RSD	.3401	2.884	13.47	13.27	2.100	11.03	4.950
#1	.8636	.0091	.0552	.0110	.0428	.0109	.0072
#2	.8685	.0094	.0605	.0137	.0436	.0089	.0070
#3	.8688	.0089	.0462	.0109	.0446	.0092	.0065

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	2.248	1090.	.0140	.0209	.1497	.0674
SDev	.0003	.014	11.	.0018	.0005	.0042	.0006
%RSD	15.24	.6032	.9672	12.96	2.226	2.770	.9600
#1	.0021	2.235	1078.	.0148	.0207	.1517	.0668
#2	.0022	2.247	1095.	.0152	.0207	.1525	.0673
#3	.0016	2.262	1097.	.0119	.0215	.1449	.0681

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	12.68	.0451	15.92	2.907	.1253	.1041
SDev	.0006	.16	.0038	.08	.036	.0089	.0125
%RSD	10.89	1.231	8.512	.4856	1.243	7.099	12.02
#1	.0057	12.50	.0490	15.83	2.866	.1320	.1175
#2	.0062	12.75	.0451	15.94	2.936	.1287	.1021
#3	.0050	12.80	.0413	15.98	2.917	.1152	.0927

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0617	.0296	.0211	.4971	.1969	1.985	.0393
SDev	.0064	.0111	.0144	.0031	.0164	.015	.0020
%RSD	10.39	37.58	68.35	.6217	8.323	.7738	5.168
#1	.0654	.0422	.0359	.4953	.2151	1.969	.0399
#2	.0653	.0213	.0071	.5006	.1923	1.987	.0410
#3	.0543	.0253	.0203	.4953	.1833	2.000	.0371

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0703	.0449	.0233	5.378	.0062	.0477	.0032
SDev	.0056	.0003	.0058	.075	.0005	.0061	.0001

%RSD	8.030	.5551	24.97	1.400	8.028	12.81	1.519
#1	.0762	.0449	.0273	5.439	.0067	.0539	.0031
#2	.0696	.0452	.0261	5.401	.0063	.0417	.0031
#3	.0650	.0447	.0166	5.294	.0057	.0473	.0032

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0017	.0035
SDev	.0009	.0006
%RSD	53.76	16.95
#1	.0009	.0030
#2	.0027	.0041
#3	.0015	.0033

Analysis Report Wed 09-13-95 04:28:38 PM page 1

Method: ICP1 Sample Name: 95-007946-H2T @2 Operator: DRS
Run Time: 09/13/95 16:27:19
Comment: QTR SEG 4B TOP DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0160	5.149	.1062	.2007	.2210	.0009	1.241
SDev	.0006	.030	.0056	.0046	.0013	.0000	.008
%RSD	3.541	.5756	5.272	2.316	.5702	.7717	.6290
#1	.0166	5.147	.1000	.2040	.2205	.0009	1.248
#2	.0156	5.120	.1109	.1954	.2200	.0009	1.242
#3	.0158	5.179	.1078	.2026	.2224	.0009	1.233

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.202	.0378	.0961	.0439	.1974	.0222	.0120
SDev	.017	.0001	.0013	.0003	.0047	.0022	.0006
%RSD	.4159	.2727	1.296	.7739	2.371	10.04	5.017
#1	4.207	.0378	.0973	.0441	.2027	.0234	.0122
#2	4.182	.0379	.0963	.0442	.1959	.0236	.0124
#3	4.216	.0377	.0948	.0435	.1937	.0197	.0113

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	10.58	4787.	.0304	.0847	.5949	.3192
SDev	.0002	.05	30.	.0002	.0018	.0005	.0005
%RSD	6.218	.4791	.6177	.6811	2.177	.0805	.1462
#1	.0035	10.58	4774.	.0304	.0867	.5946	.3194
#2	.0037	10.53	4766.	.0305	.0831	.5955	.3187
#3	.0033	10.63	4821.	.0301	.0843	.5946	.3195

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0201	56.97	.0874	74.89	13.96	.4472	.0739
SDev	.0013	.41	.0041	.32	.10	.0036	.0110
%RSD	6.446	.7276	4.726	.4256	.7046	.8061	14.85
#1	.0211	56.73	.0913	74.88	13.95	.4514	.0815
#2	.0186	56.73	.0878	74.58	13.86	.4449	.0790
#3	.0205	57.45	.0830	75.22	14.06	.4454	.0613

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1335	.0733	.0908	2.248	.4706	9.288	.0994
SDev	.0084	.0009	.0031	.009	.0322	.056	.0061
%RSD	6.332	1.266	3.442	.3792	6.839	.6057	6.109
#1	.1392	.0724	.0930	2.245	.5045	9.267	.0926
#2	.1376	.0734	.0873	2.241	.4669	9.245	.1042
#3	.1238	.0742	.0922	2.257	.4405	9.351	.1014

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3490	.2044	.0739	23.09	.0142	.1123	.0086
SDev	.0092	.0009	.0124	.09	.0009	.0027	.0004

%RSD	2.643	.4472	16.76	.3753	6.717	2.431	5.171
#1	.3428	.2041	.0603	23.07	.0153	.1099	.0089
#2	.3446	.2037	.0770	23.02	.0139	.1153	.0089
#3	.3596	.2054	.0844	23.19	.0134	.1117	.0081

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0112	.0013
SDev	.0003	.0014
%RSD	3.102	115.3
#1	.0114	.0025
#2	.0115	.0016
#3	.0108	-.0003

Analysis Report Wed 09-13-95 04:32:37 PM page

Method: ICP1 Sample Name: 95-007947-H1 @10 Operator: DRS
Run Time: 09/13/95 16:31:18
Comment: QTR SEG 4C @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0058	.8473	.0144	.1009	.0110	.0002	.1143
SDev	.0008	.0040	.0083	.0019	.0003	.0001	.0114
%RSD	13.02	.4700	57.54	1.919	2.437	33.63	9.934
#1	.0066	.8450	.0239	.0988	.0113	.0003	.1167
#2	.0058	.8450	.0096	.1012	.0110	.0002	.1242
#3	.0051	.8519	.0096	.1026	.0107	.0002	.1019

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.774	.0021	.0359	.0127	.0106	.0529	.0039
SDev	.017	.0005	.0054	.0011	.0041	.0008	.0010
%RSD	.9341	24.34	15.07	8.749	38.55	1.479	27.06
#1	1.757	.0024	.0421	.0138	.0152	.0538	.0050
#2	1.776	.0022	.0327	.0128	.0091	.0526	.0036
#3	1.790	.0015	.0328	.0116	.0075	.0522	.0030

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	3.786	1003.	.0108	.0047	.1427	.1243
SDev	.0004	.038	10.	.0019	.0012	.0044	.0013
%RSD	23.17	.9997	1.028	18.01	25.91	3.061	1.062
#1	.0021	3.745	990.8	.0131	.0061	.1425	.1229
#2	.0015	3.793	1009.	.0099	.0045	.1471	.1245
#3	.0014	3.820	1008.	.0096	.0037	.1384	.1255

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	13.99	.0334	.7258	2.800	.1357	.0584
SDev	.0018	.12	.0069	.0104	.041	.0043	.0089
%RSD	34.85	.8714	20.66	1.428	1.455	3.187	15.24
#1	.0070	13.85	.0408	.7213	2.773	.1382	.0686
#2	.0038	14.07	.0324	.7184	2.847	.1382	.0534
#3	.0042	14.05	.0271	.7376	2.781	.1307	.0530

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0351	.0147	.0194	.2722	.0934	.1314	.0251
SDev	.0105	.0042	.0116	.0044	.0370	.0015	.0033
%RSD	29.82	28.82	60.03	1.606	39.63	1.157	13.01
#1	.0472	.0172	.0060	.2759	.1305	.1299	.0271
#2	.0298	.0098	.0248	.2734	.0932	.1313	.0269
#3	.0283	.0172	.0273	.2674	.0565	.1329	.0213

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0637	.0074	.0197	5.099	.0042	.0240	.0029
SDev	.0078	.0005	.0035	.010	.0008	.0114	.0003

%RSD	12.20	6.596	17.74	.1930	18.52	47.58	11.52
#1	.0725	.0080	.0171	5.097	.0050	.0109	.0033
#2	.0609	.0071	.0237	5.109	.0041	.0322	.0029
#3	.0577	.0072	.0183	5.090	.0034	.0288	.0026

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0402	.0007
SDev	.0003	.0001
%RSD	.6714	15.90
#1	.0405	.0008
#2	.0401	.0006
#3	.0400	.0006

Analysis Report Wed 09-13-95 04:36:59 PM page 1

Method: ICP1 Sample Name: 95-007947-H1 @2 Operator: DRS
Run Time: 09/13/95 16:35:39
Comment: QTR SEG 4C @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0213	3.896	.0632	.4507	.0476	.0007	.4780
SDev	.0024	.054	.0066	.0059	.0005	.0001	.0221
%RSD	11.33	1.381	10.46	1.315	.9769	9.765	4.619
#1	.0220	3.877	.0625	.4464	.0476	.0007	.4558
#2	.0186	3.957	.0570	.4574	.0481	.0006	.4783
#3	.0232	3.855	.0702	.4483	.0472	.0008	.4999

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.504	.0110	.1100	.0523	.0489	.2366	.0100
SDev	.074	.0004	.0153	.0020	.0015	.0035	.0021
%RSD	.8735	4.051	13.90	3.869	3.010	1.470	20.68
#1	8.482	.0105	.1131	.0524	.0474	.2349	.0108
#2	8.587	.0114	.0933	.0502	.0492	.2406	.0077
#3	8.443	.0109	.1234	.0543	.0503	.2343	.0116

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0050	17.57	4295.	.0329	.0112	.6211	.5820
SDev	.0006	.22	90.	.0030	.0021	.0089	.0061
%RSD	12.86	1.266	2.107	9.017	18.48	1.429	1.052
#1	.0050	17.51	4270.	.0339	.0117	.6230	.5809
#2	.0043	17.81	4396.	.0296	.0089	.6114	.5886
#3	.0056	17.38	4220.	.0353	.0129	.6289	.5765

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0205	60.86	.1040	3.352	13.41	.5701	.1001
SDev	.0008	1.54	.0125	.028	.17	.0151	.0507
%RSD	3.815	2.538	11.99	.8477	1.283	2.646	50.62
#1	.0206	60.42	.1088	3.336	13.43	.5729	.1186
#2	.0196	62.58	.0898	3.385	13.57	.5538	.0428
#3	.0212	59.59	.1133	3.335	13.23	.5836	.1389

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0946	.0581	.0826	1.184	.3564	.5904	.0855
SDev	.0214	.0098	.0192	.005	.0597	.0119	.0130
%RSD	22.58	16.92	23.26	.4411	16.75	2.015	15.24
#1	.1006	.0691	.0902	1.178	.3536	.5866	.0912
#2	.0709	.0502	.0608	1.187	.2982	.6037	.0706
#3	.1123	.0550	.0969	1.188	.4175	.5809	.0947

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3157	.0314	.0616	22.26	.0151	.0569	.0112
SDev	.0094	.0005	.0037	.24	.0025	.0092	.0008

%RSD	2.982	1.673	5.967	1.069	16.42	16.11	7.387
#1	.3048	.0314	.0581	22.21	.0158	.0533	.0115
#2	.3208	.0309	.0654	22.51	.0123	.0500	.0103
#3	.3214	.0320	.0613	22.04	.0171	.0673	.0119

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1929	-.0003
SDev	.0025	.0021
%RSD	1.292	659.9
#1	.1924	.0011
#2	.1956	-.0028
#3	.1907	.0007

Analysis Report Wed 09-13-95 04:40:54 PM page 1

Method: ICP1 Sample Name: 95-007947-H2 @10 Operator: DRS
Run Time: 09/13/95 16:39:35
Comment: QTR SEG 4C DUP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0059	1.160	.0160	.0902	.0155	.0002	.1563
SDev	.0010	.006	.0045	.0009	.0001	.0000	.0050
%RSD	16.64	.5157	28.26	.9622	.4985	6.766	3.179
#1	.0052	1.155	.0128	.0903	.0155	.0002	.1527
#2	.0070	1.159	.0140	.0910	.0155	.0002	.1543
#3	.0055	1.167	.0212	.0893	.0156	.0002	.1620

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.438	.0038	.0373	.0133	.0145	.0455	.0035
SDev	.025	.0017	.0090	.0008	.0020	.0014	.0011
%RSD	1.040	43.96	24.11	6.422	13.64	3.092	32.45
#1	2.411	.0021	.0350	.0124	.0124	.0452	.0036
#2	2.442	.0040	.0473	.0141	.0149	.0470	.0046
#3	2.462	.0055	.0297	.0133	.0163	.0443	.0023

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	5.674	1033.	.0118	.0044	.1984	.1549
SDev	.0001	.061	9.	.0021	.0018	.0025	.0014
%RSD	4.245	1.076	.8647	17.83	39.80	1.252	.8845
#1	.0014	5.615	1034.	.0112	.0032	.1956	.1537
#2	.0015	5.669	1023.	.0142	.0064	.2002	.1547
#3	.0014	5.737	1041.	.0101	.0036	.1995	.1564

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0051	19.78	.0391	.8248	3.825	.1945	.0445
SDev	.0016	.16	.0052	.0081	.079	.0054	.0113
%RSD	31.44	.8130	13.33	.9870	2.075	2.803	25.31
#1	.0060	19.88	.0394	.8193	3.784	.1885	.0401
#2	.0061	19.60	.0442	.8210	3.774	.1961	.0573
#3	.0032	19.88	.0337	.8342	3.916	.1990	.0361

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0308	.0157	.0279	.3384	.1197	.1819	.0242
SDev	.0076	.0047	.0143	.0012	.0321	.0021	.0070
%RSD	24.77	29.84	51.42	.3569	26.77	1.129	29.09
#1	.0286	.0122	.0147	.3371	.0970	.1803	.0170
#2	.0393	.0210	.0431	.3394	.1564	.1811	.0311
#3	.0246	.0138	.0257	.3388	.1058	.1842	.0244

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1003	.0097	.0178	7.547	.0050	.0191	.0039
SDev	.0051	.0001	.0104	.124	.0010	.0007	.0001

%RSD	5.065	1.309	58.49	1.641	20.05	3.756	3.586
#1	.0948	.0096	.0131	7.421	.0048	.0188	.0038
#2	.1014	.0098	.0107	7.669	.0061	.0199	.0040
#3	.1048	.0096	.0298	7.550	.0041	.0186	.0037

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0488	.0006
SDev	.0006	.0010
%RSD	1.178	169.1
#1	.0482	.0009
#2	.0489	.0013
#3	.0494	-.0005

Analysis Report Wed 09-13-95 04:44:44 PM page 1

Method: ICP1 Sample Name: 95-007947-H2 @2 Operator: DRS
Run Time: 09/13/95 16:43:25
Comment: QTR SEG 4C DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0226	5.172	.0828	.3922	.0651	.0009	.6692
SDev	.0014	.063	.0132	.0076	.0008	.0000	.0199
%RSD	6.192	1.226	15.96	1.947	1.292	3.965	2.971
#1	.0214	5.243	.0896	.3999	.0661	.0008	.6903
#2	.0242	5.122	.0913	.3921	.0646	.0009	.6508
#3	.0223	5.149	.0676	.3847	.0646	.0009	.6665

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.21	.0091	.1355	.0534	.0570	.1944	.0101
SDev	.15	.0008	.0114	.0019	.0017	.0042	.0015
%RSD	1.374	9.188	8.413	3.569	2.974	2.158	14.44
#1	11.39	.0081	.1273	.0545	.0554	.1992	.0090
#2	11.14	.0097	.1486	.0545	.0588	.1926	.0118
#3	11.11	.0094	.1307	.0512	.0569	.1914	.0096

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	,0059	25.35	4268.	.0411	.0148	.8587	.6978
SDev	.0003	.40	57.	.0020	.0006	.0041	.0101
%RSD	4.269	1.563	1.324	4.908	4.165	.4792	1.449
#1	.0056	25.81	4326.	.0408	.0146	.8628	.7095
#2	.0060	25.12	4213.	.0432	.0154	.8587	.6921
#3	.0060	25.13	4265.	.0393	.0142	.8545	.6918

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0234	83.02	.1260	3.725	17.79	.8129	.0639
SDev	.0005	1.20	.0070	.054	.26	.0113	.0102
%RSD	2.257	1.443	5.574	1.440	1.458	1.388	15.97
#1	.0231	84.05	.1211	3.785	18.09	.8227	.0617
#2	.0240	81.71	.1340	3.709	17.63	.8154	.0750
#3	.0231	83.29	.1229	3.682	17.66	.8006	.0550

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1049	.0606	.1099	1.477	.4423	.7925	.1021
SDev	.0130	.0063	.0080	.015	.0353	.0132	.0096
%RSD	12.43	10.43	7.320	1.000	7.994	1.672	9.385
#1	.0960	.0533	.1011	1.494	.4580	.8074	.0967
#2	.1199	.0646	.1169	1.466	.4670	.7822	.1131
#3	.0989	.0640	.1116	1.472	.4018	.7878	.0964

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4583	.0405	.0700	32.06	.0182	.0708	.0151
SDev	.0126	.0002	.0072	.41	.0004	.0092	.0006

%RSD	2.740	.4970	10.26	1.291	2.103	12.91	4.092
#1	.4624	.0406	.0765	32.54	.0179	.0628	.0147
#2	.4682	.0406	.0711	31.78	.0186	.0808	.0158
#3	.4441	.0402	.0623	31.87	.0181	.0689	.0147

Elem	Zn	Zr
Units	ppm	ppm
Avge	.2239	-.0009
SDev	.0042	.0011
%RSD	1.883	119.8
#1	.2287	-.0020
#2	.2207	-.0006
#3	.2224	.0000

Analysis Report QC Standard Wed 09-13-95 04:52:04 PM page 1

Method: ICP1 Sample Name: MCVA 9507281901 Operator: DRS
Run Time: 09/13/95 16:50:45
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS DRS 9/12/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4998	25.31	2.562	2.021	.5108	.0962	25.29
SDev	.0016	.11	.023	.012	.0018	.0003	.07
%RSD	.3286	.4221	.8802	.6082	.3434	.3355	.2952
#1	.5013	25.43	2.574	2.034	.5127	.0965	25.38
#2	.4999	25.27	2.577	2.020	.5106	.0963	25.24
#3	.4981	25.23	2.537	2.009	.5092	.0959	25.26
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	.4884	-.0523	1.016	1.010	1.010	-.0033
SDev	.08	.0027	.0026	.003	.001	.002	.0004
%RSD	.3147	.5537	4.993	.3325	.1448	.2347	10.98
#1	24.97	.4863	-.0535	1.018	1.010	1.013	-.0037
#2	24.93	.4915	-.0540	1.017	1.008	1.009	-.0030
#3	24.82	.4875	-.0493	1.012	1.011	1.009	-.0033
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	20.20	26.74	.0004	2.052	26.20	.5136
SDev	.0001	.06	.14	.0010	.016	.10	.0016
%RSD	10.50	.2950	.5177	238.8	.7661	.3918	.3177
#1	.0011	20.26	26.86	.0010	2.069	26.28	.5154
#2	.0013	20.20	26.77	.0011	2.038	26.23	.5133
#3	.0011	20.14	26.59	-.0007	2.049	26.08	.5122
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	1.023	25.73	-.0085	1.045	.0421	2.565	-.0624
SDev	.002	.18	.0014	.002	.0040	.012	.0078
%RSD	.2090	.6874	17.03	.1865	9.394	.4742	12.51
#1	1.026	25.93	-.0099	1.046	.0392	2.574	-.0675
#2	1.022	25.61	-.0071	1.043	.0466	2.569	-.0534
#3	1.022	25.64	-.0084	1.046	.0406	2.551	-.0663
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 Wed 09-13-95 04:52:04 PM page 2

Range	.1000	2.500		.1000		.2500	
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0260	2.547	2.555	19.01	-.1340	.5372	-.0149
SDev	.0015	.009	.021	.06	.0136	.0018	.0055
%RSD	5.604	.3568	.8169	.2929	10.18	.3337	36.70
#1	-.0263	2.536	2.532	19.07	-.1372	.5392	-.0109
#2	-.0244	2.553	2.573	19.00	-.1190	.5366	-.0126
#3	-.0272	2.551	2.560	18.97	-.1457	.5358	-.0211
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	.0475	.9962	2.577	-.2246	1.005	.0217	-.0012
SDev	.0017	.0027	.013	.0360	.003	.0036	.0002
%RSD	3.574	.2698	.5190	16.01	.3038	16.57	17.61
#1	.0468	.9991	2.576	-.2230	1.008	.0245	-.0014
#2	.0463	.9959	2.591	-.2614	1.006	.0177	-.0010
#3	.0494	.9937	2.564	-.1895	1.002	.0230	-.0014
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	2.044
SDev	.003	.006
%RSD	.2699	.2943
#1	1.007	2.051
#2	1.001	2.042
#3	1.004	2.039
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Wed 09-13-95 04:56:09 PM page

Method: ICP1 Sample Name: SST-ICS-2 9509081102 Operator: DRS
Run Time: 09/13/95 16:54:49
Comment: QTR SEG 4C DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	95.42	.1586	.0108	.0019	.0011	.0906
SDev	.0022	1.87	.0121	.0013	.0004	.0001	.0105
%RSD	140.1	1.963	7.607	12.12	23.29	7.020	11.60
#1	-.0008	97.56	.1458	.0105	.0014	.0010	.0797
#2	.0020	94.62	.1697	.0097	.0020	.0011	.0914
#3	.0035	94.08	.1602	.0122	.0022	.0011	.1007

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0578	.0099	-.1048	.0130	.0424	-.0494	.0031
SDev	.0030	.0027	.0243	.0025	.0022	.0040	.0025
%RSD	5.253	27.16	23.24	18.88	5.250	8.090	80.84
#1	.0544	.0107	-.1307	.0103	.0400	-.0540	.0003
#2	.0589	.0069	-.1013	.0137	.0430	-.0471	.0040
#3	.0601	.0121	-.0824	.0151	.0443	-.0470	.0052

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	18.89	4264.	.0122	.0071	.2935	.0030
SDev	.0008	.28	85.	.0043	.0030	.0160	.0004
%RSD	31.03	1.502	1.987	35.61	42.79	5.468	13.15
#1	.0017	19.22	4380.	.0074	.0039	.2758	.0028
#2	.0025	18.74	4252.	.0131	.0075	.2977	.0026
#3	.0032	18.72	4219.	.0159	.0099	.3071	.0034

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0143	.3056	.0177	49.51	.0898	.2534	-.2521
SDev	.0015	.0337	.0126	.68	.0091	.0078	.0546
%RSD	10.53	11.03	71.23	1.367	10.14	3.090	21.64
#1	.0129	.2670	.0049	50.29	.0796	.2457	-.3127
#2	.0159	.3292	.0182	49.13	.0927	.2531	-.2367
#3	.0142	.3206	.0301	49.10	.0972	.2613	-.2070

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0342	.0407	.0796	.1040	.2949	.0012	.0496
SDev	.0192	.0169	.0134	.0087	.0400	.0002	.0072
%RSD	56.27	41.58	16.76	8.339	13.56	18.76	14.43
#1	.0145	.0211	.0656	.0947	.2497	.0009	.0413
#2	.0352	.0508	.0811	.1055	.3089	.0013	.0532
#3	.0529	.0501	.0922	.1118	.3259	.0013	.0542

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7098	.0038	.2489	47.43	.0095	.0716	.0063
SDev	.0147	.0011	.0110	.89	.0024	.0114	.0013

%RSD	2.067	28.92	4.426	1.870	25.28	15.89	20.80
#1	.7266	.0026	.2368	48.44	.0070	.0591	.0050
#2	.7033	.0040	.2583	47.08	.0098	.0813	.0064
#3	.6995	.0048	.2516	46.77	.0118	.0744	.0076

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0289	9.749
SDev	.0020	.190
%RSD	6.973	1.951
#1	-.0269	9.967
#2	-.0309	9.668
#3	-.0287	9.613

Analysis Report Wed 09-13-95 05:00:01 PM page

Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 16:58:41
Comment: QTR SEG 4C DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	-.0019	-.0088	.0051	-.0001	-.0000	.0023
SDev	.0009	.0013	.0075	.0026	.0002	.0000	.0103
%RSD	41.09	67.05	84.58	50.89	184.1	817.1	456.8
#1	-.0018	-.0012	-.0016	.0055	-.0003	.0000	.0106
#2	-.0034	-.0011	-.0165	.0023	-.0003	-.0000	.0054
#3	-.0017	-.0033	-.0083	.0075	.0001	.0000	-.0093

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0010	-.0191	-.0007	.0002	.0018	-.0021
SDev	.0015	.0012	.0045	.0005	.0015	.0016	.0009
%RSD	203.3	117.7	23.77	69.55	922.9	89.63	44.27
#1	.0019	-.0018	-.0142	-.0002	.0013	.0015	-.0017
#2	-.0009	.0004	-.0201	-.0010	-.0016	.0003	-.0031
#3	.0012	-.0017	-.0231	-.0011	.0008	.0035	-.0014

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0007	-.5724	-.0037	-.0020	.0018	-.0003
SDev	.0001	.0010	.1033	.0013	.0005	.0052	.0001
%RSD	13.25	138.0	18.04	34.15	23.14	293.0	27.39
#1	-.0009	-.0008	-.5334	-.0031	-.0017	-.0027	-.0002
#2	-.0008	-.0016	-.6895	-.0051	-.0025	.0075	-.0003
#3	-.0007	.0003	-.4943	-.0028	-.0017	.0005	-.0002

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	-.0117	-.0119	.0030	-.0010	-.0064	-.0340
SDev	.0016	.0114	.0057	.0029	.0102	.0035	.0139
%RSD	122.8	97.45	47.80	95.65	1055.	54.28	40.97
#1	.0005	-.0103	-.0088	.0030	.0010	-.0037	-.0285
#2	-.0027	-.0238	-.0185	.0059	.0081	-.0104	-.0499
#3	-.0018	-.0011	-.0084	.0001	-.0120	-.0052	-.0237

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0198	-.0030	-.0146	.0196	-.0550	.0006	-.0082
SDev	.0053	.0029	.0104	.0029	.0126	.0001	.0070
%RSD	26.75	94.80	71.40	14.92	22.97	12.33	84.75
#1	-.0151	-.0013	-.0026	.0214	-.0539	.0007	-.0007
#2	-.0255	-.0063	-.0205	.0162	-.0681	.0005	-.0145
#3	-.0188	-.0015	-.0208	.0211	-.0429	.0005	-.0095

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	-.0009	-.0114	-.2964	-.0015	.0014	-.0012
SDev	.0047	.0005	.0033	.0384	.0007	.0086	.0002

%RSD	162.4	51.86	28.67	12.95	44.30	636.0	14.42
#1	.0044	-.0010	-.0150	-.2707	-.0009	.0105	-.0011
#2	-.0024	-.0014	-.0102	-.3405	-.0022	-.0066	-.0014
#3	.0067	-.0004	-.0088	-.2779	-.0014	.0001	-.0011

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0001	-.0018
SDev	.0007	.0005
%RSD	1051.	28.96
#1	.0004	-.0012
#2	.0005	-.0019
#3	-.0008	-.0022

Analysis Report Wed 09-13-95 05:02:00 PM page

Method: ICP1 Sample Name: 95-007948-H1 @10 Operator: DRS
Run Time: 09/13/95 17:00:40
Comment: QTR SEG 4D @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.9191	.0140	.1230	.0129	.0001	.1258
SDev	.0006	.0009	.0035	.0001	.0003	.0000	.0080
%RSD	23.26	.1008	24.98	.0599	2.164	21.96	6.355
#1	.0032	.9193	.0102	.1231	.0131	.0001	.1289
#2	.0027	.9182	.0172	.1230	.0130	.0002	.1168
#3	.0020	.9200	.0146	.1230	.0126	.0001	.1318

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8160	.0021	.0109	.0109	.0116	.0281	.0009
SDev	.0019	.0003	.0081	.0003	.0017	.0008	.0006
%RSD	.2325	13.55	74.76	2.926	14.49	2.997	73.97
#1	.8154	.0019	.0193	.0111	.0124	.0290	.0009
#2	.8144	.0019	.0104	.0110	.0127	.0278	.0015
#3	.8181	.0024	.0030	.0105	.0097	.0274	.0002

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	4.761	1066.	.0052	.0007	.1334	.1308
SDev	.0001	.007	7.	.0009	.0006	.0063	.0001
%RSD	13.96	.1372	.6255	17.44	87.65	4.726	.0730
#1	.0006	4.766	1060.	.0061	.0014	.1406	.1308
#2	.0008	4.753	1064.	.0052	.0006	.1307	.1307
#3	.0006	4.763	1073.	.0043	.0002	.1289	.1309

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	13.18	.0140	.4786	2.734	.1644	.0011
SDev	.0005	.13	.0048	.0055	.027	.0078	.0086
%RSD	11.62	.9894	33.95	1.142	.9723	4.721	758.4
#1	.0035	13.08	.0193	.4848	2.765	.1731	.0061
#2	.0039	13.14	.0127	.4744	2.719	.1621	.0060
#3	.0044	13.33	.0101	.4766	2.719	.1581	-.0087

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0095	.0119	.0182	.2804	.0381	.1588	.0095
SDev	.0043	.0024	.0109	.0027	.0221	.0004	.0058
%RSD	45.82	20.46	60.03	.9483	58.10	.2765	61.26
#1	.0145	.0148	.0201	.2820	.0593	.1586	.0160
#2	.0065	.0107	.0281	.2819	.0399	.1585	.0047
#3	.0075	.0104	.0065	.2774	.0151	.1593	.0079

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0743	.0078	.0073	5.610	.0023	.0087	.0020
SDev	.0124	.0002	.0054	.061	.0004	.0026	.0002

Analysis Report

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%RSD	16.66	2.029	74.73	1.082	19.40	29.81	9.719
#1	.0880	.0080	.0073	5.555	.0028	.0093	.0021
#2	.0639	.0077	.0127	5.675	.0020	.0110	.0020
#3	.0710	.0077	.0018	5.600	.0021	.0059	.0017

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0409	-.0013
SDev	.0009	.0007
%RSD	2.099	49.17
#1	.0400	-.0021
#2	.0417	-.0008
#3	.0411	-.0011

WHC-SD-WM-DP- REV.

Analysis Report Wed 09-13-95 05:05:40 PM page 1

Method: ICP1 Sample Name: 95-007948-H1 @2 Operator: DRS
Run Time: 09/13/95 17:04:21
Comment: QTR SEG 4D @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0164	4.252	.0664	.5530	.0580	.0007	.5547
SDev	.0013	.070	.0074	.0143	.0006	.0000	.0236
%RSD	8.049	1.655	11.15	2.579	1.126	6.235	4.252
#1	.0179	4.171	.0710	.5366	.0573	.0008	.5277
#2	.0157	4.293	.0702	.5597	.0583	.0007	.5711
#3	.0156	4.293	.0578	.5626	.0585	.0007	.5654

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.939	.0072	.0902	.0465	.0511	.1221	.0063
SDev	.050	.0005	.0096	.0010	.0030	.0027	.0016
%RSD	1.273	6.380	10.63	2.120	5.861	2.170	25.91
#1	3.881	.0078	.1008	.0473	.0534	.1191	.0082
#2	3.964	.0070	.0822	.0454	.0477	.1233	.0055
#3	3.972	.0070	.0876	.0467	.0521	.1239	.0053

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	21.98	4584.	.0277	.0093	.6093	.6096
SDev	.0004	.33	79.	.0013	.0009	.0062	.0091
%RSD	10.04	1.497	1.725	4.655	10.02	1.023	1.499
#1	.0047	21.60	4493.	.0291	.0098	.6056	.5991
#2	.0040	22.13	4627.	.0267	.0082	.6058	.6147
#3	.0040	22.20	4633.	.0272	.0098	.6165	.6151

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0180	58.11	.0843	2.216	13.27	.7626	.0246
SDev	.0016	1.15	.0084	.028	.26	.0066	.0298
%RSD	8.895	1.986	10.02	1.266	1.953	.8691	121.0
#1	.0198	56.78	.0941	2.187	12.98	.7701	.0571
#2	.0166	58.73	.0790	2.220	13.46	.7574	-.0015
#3	.0178	58.82	.0800	2.243	13.39	.7603	.0184

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0698	.0503	.0851	1.268	.3065	.7174	.0786
SDev	.0161	.0049	.0152	.013	.0460	.0131	.0021
%RSD	23.10	9.633	17.91	.9860	15.00	1.822	2.659
#1	.0880	.0508	.0755	1.254	.3596	.7024	.0792
#2	.0574	.0550	.0771	1.273	.2809	.7241	.0804
#3	.0639	.0453	.1027	1.277	.2790	.7258	.0763

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3647	.0373	.0617	25.44	.0131	.0553	.0117
SDev	.0060	.0001	.0082	.31	.0013	.0092	.0003

%RSD	1.644	.2752	13.35	1.212	9.983	16.67	2.962
#1	.3618	.0373	.0568	25.09	.0146	.0624	.0120
#2	.3716	.0373	.0571	25.55	.0121	.0449	.0115
#3	.3607	.0375	.0712	25.67	.0126	.0586	.0114

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1959	-.0047
SDev	.0043	.0013
%RSD	2.198	26.69
#1	.1912	-.0036
#2	.1968	-.0061
#3	.1996	-.0046

Analysis Report Wed 09-13-95 05:09:35 PM page 1

Method: ICP1 Sample Name: 95-007948-H2 @10 Operator: DRS
Run Time: 09/13/95 17:08:16
Comment: QTR SEG 4D DUP @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0073	.8052	.0201	.0449	.0121	.0003	.1170
SDev	.0010	.0063	.0085	.0006	.0001	.0000	.0040
%RSD	14.44	.7827	42.55	1.237	1.095	7.594	3.388
#1	.0066	.8020	.0103	.0447	.0119	.0003	.1215
#2	.0085	.8011	.0261	.0455	.0122	.0003	.1142
#3	.0067	.8124	.0238	.0445	.0121	.0003	.1153

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7073	.0023	.0554	.0160	.0116	.0205	.0060
SDev	.0035	.0009	.0077	.0008	.0019	.0003	.0010
%RSD	.4895	39.33	13.87	4.740	16.16	1.609	16.98
#1	.7089	.0016	.0485	.0163	.0095	.0204	.0051
#2	.7033	.0020	.0637	.0165	.0125	.0202	.0071
#3	.7096	.0033	.0540	.0151	.0129	.0209	.0058

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	4.040	1008.	.0144	.0047	.1354	.1402
SDev	.0004	.033	15.	.0026	.0006	.0047	.0013
%RSD	18.59	.8234	1.466	18.11	12.98	3.450	.9306
#1	.0019	4.053	1018.	.0131	.0046	.1325	.1406
#2	.0026	4.003	991.0	.0174	.0054	.1408	.1387
#3	.0019	4.066	1015.	.0127	.0042	.1329	.1412

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0057	11.08	.0427	.5469	2.467	.1781	.0990
SDev	.0003	.18	.0086	.0031	.026	.0123	.0188
%RSD	4.744	1.641	20.03	.5599	1.056	6.889	19.04
#1	.0060	11.19	.0406	.5443	2.437	.1729	.0833
#2	.0057	10.87	.0522	.5503	2.482	.1921	.1199
#3	.0054	11.18	.0354	.5461	2.482	.1693	.0939

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0534	.0229	.0325	.2751	.1620	.1352	.0333
SDev	.0083	.0053	.0049	.0024	.0360	.0015	.0093
%RSD	15.47	23.15	15.03	.8883	22.23	1.113	27.89
#1	.0465	.0197	.0313	.2728	.1362	.1360	.0271
#2	.0625	.0199	.0379	.2777	.2031	.1334	.0440
#3	.0511	.0290	.0284	.2748	.1466	.1361	.0288

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0699	.0092	.0112	5.185	.0062	.0253	.0039
SDev	.0029	.0004	.0058	.085	.0012	.0099	.0003

%RSD	4.206	4.878	52.08	1.647	19.37	39.18	9.001
#1	.0733	.0089	.0047	5.125	.0052	.0336	.0037
#2	.0686	.0097	.0159	5.283	.0075	.0279	.0043
#3	.0678	.0091	.0131	5.148	.0058	.0143	.0037

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0321	.0017
SDev	.0008	.0016
%RSD	2.598	94.47
#1	.0315	.0003
#2	.0316	.0034
#3	.0330	.0013

Analysis Report Wed 09-13-95 05:13:23 PM page 1

Method: ICP1 Sample Name: 95-007948-N2 @2 Operator: DRS
Run Time: 09/13/95 17:12:04
Comment: QTR SEG 4D DUP @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0166	3.822	.0577	.1995	.0527	.0007	.5144
SDev	.0025	.063	.0066	.0071	.0006	.0001	.0119
%RSD	15.03	1.650	11.47	3.549	1.046	10.49	2.318
#1	.0138	3.894	.0501	.2076	.0533	.0006	.5098
#2	.0186	3.795	.0608	.1963	.0525	.0007	.5279
#3	.0174	3.776	.0622	.1946	.0523	.0007	.5054

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.521	.0078	.0954	.0567	.0521	.0738	.0082
SDev	.036	.0011	.0147	.0016	.0024	.0011	.0024
%RSD	1.030	13.95	15.40	2.893	4.522	1.510	29.92
#1	3.561	.0070	.0794	.0549	.0494	.0747	.0054
#2	3.511	.0090	.0987	.0573	.0530	.0726	.0093
#3	3.491	.0073	.1082	.0580	.0538	.0742	.0099

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	19.58	4566.	.0278	.0103	.5296	.6808
SDev	.0006	.29	78.	.0039	.0007	.0046	.0097
%RSD	13.85	1.495	1.714	13.88	6.805	.8681	1.423
#1	.0036	19.91	4655.	.0236	.0095	.5348	.6918
#2	.0045	19.47	4532.	.0287	.0107	.5280	.6770
#3	.0048	19.36	4510.	.0312	.0107	.5260	.6737

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0183	51.32	.0874	2.657	12.19	.7130	.0586
SDev	.0012	.86	.0091	.039	.23	.0133	.0364
%RSD	6.701	1.681	10.45	1.450	1.917	1.859	62.16
#1	.0180	52.30	.0769	2.701	12.45	.6984	.0166
#2	.0174	50.95	.0923	2.641	12.11	.7243	.0819
#3	.0197	50.70	.0931	2.630	12.00	.7163	.0772

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0826	.0490	.0956	1.203	.3433	.6445	.0784
SDev	.0213	.0098	.0146	.006	.0596	.0123	.0078
%RSD	25.75	19.97	15.29	.5219	17.36	1.917	9.898
#1	.0588	.0381	.0869	1.210	.2805	.6586	.0696
#2	.0891	.0571	.1124	1.197	.3504	.6396	.0815
#3	.0998	.0518	.0874	1.202	.3991	.6353	.0842

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3334	.0364	.0571	22.62	.0139	.0605	.0111
SDev	.0035	.0006	.0052	.28	.0016	.0034	.0009

%RSD	1.045	1.504	9.095	1.249	11.71	5.630	8.337
#1	.3324	.0361	.0550	22.93	.0120	.0571	.0101
#2	.3306	.0371	.0533	22.54	.0149	.0639	.0116
#3	.3373	.0362	.0631	22.38	.0148	.0605	.0117

Elem	Zn	Zr
Units	ppm	ppm
Avge	.1613	-.0053
SDev	.0036	.0016
%RSD	2.258	29.76
#1	.1640	-.0072
#2	.1572	-.0044
#3	.1627	-.0044

Analysis Report Wed 09-13-95 05:17:24 PM page

Method: ICP1 Sample Name: SRM-2709-H @10 Operator: DRS
Run Time: 09/13/95 17:16:05
Comment: SOIL STD @10X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0069	6.874	.0220	.0892	.0877	.0008	.0353
SDev	.0012	.065	.0042	.0013	.0006	.0000	.0116
%RSD	17.35	.9475	19.08	1.463	.7125	2.184	32.82
#1	.0056	6.948	.0186	.0880	.0884	.0008	.0487
#2	.0070	6.846	.0267	.0889	.0873	.0008	.0275
#3	.0080	6.828	.0207	.0906	.0873	.0008	.0298

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.794	.0039	.0481	.0171	.0209	.0232	.0072
SDev	.014	.0013	.0121	.0006	.0010	.0018	.0011
%RSD	.7537	33.02	25.23	3.605	4.811	7.617	15.20
#1	1.809	.0024	.0344	.0167	.0220	.0217	.0060
#2	1.786	.0047	.0527	.0167	.0203	.0228	.0082
#3	1.786	.0047	.0574	.0178	.0203	.0252	.0075

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	3.403	1093.	.0137	.0094	1.486	.1409
SDev	.0004	.030	14.	.0020	.0009	.015	.0010
%RSD	16.05	.8921	1.282	14.83	9.884	.9812	.7129
#1	.0019	3.438	1109.	.0114	.0083	1.502	.1420
#2	.0025	3.385	1091.	.0152	.0100	1.474	.1406
#3	.0025	3.386	1081.	.0144	.0100	1.482	.1401

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	1.522	.0443	1.973	.1123	.0892	.1339
SDev	.0013	.030	.0107	.025	.0072	.0016	.0180
%RSD	17.83	1.954	24.15	1.283	6.442	1.756	13.44
#1	.0065	1.521	.0322	1.997	.1126	.0881	.1136
#2	.0085	1.552	.0481	1.947	.1049	.0885	.1477
#3	.0061	1.493	.0525	1.974	.1193	.0910	.1406

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0612	.0318	.0409	28.10	.1807	.0240	.0413
SDev	.0089	.0016	.0067	.24	.0429	.0002	.0064
%RSD	14.47	4.966	16.42	.8502	23.73	.8526	15.51
#1	.0510	.0315	.0453	28.37	.1325	.0242	.0340
#2	.0659	.0335	.0332	27.99	.1948	.0238	.0457
#3	.0668	.0304	.0442	27.93	.2147	.0239	.0443

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0118	.2934	.0397	.6771	.0165	.0263	.0041
SDev	.0040	.0030	.0153	.1453	.0007	.0081	.0005

%RSD	33.91	1.011	38.68	21.46	4.385	30.66	12.48
#1	.0163	.2968	.0220	.5126	.0157	.0239	.0035
#2	.0106	.2913	.0480	.7306	.0166	.0198	.0044
#3	.0086	.2921	.0490	.7882	.0171	.0354	.0044

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0190	.0131
SDev	.0012	.0014
%RSD	6.242	10.40
#1	.0178	.0116
#2	.0202	.0135
#3	.0190	.0142

Analysis Report Wed 09-13-95 05:21:05 PM page 1

Method: ICP1 Sample Name: SRM-2709-H @2 Operator: DRS
Run Time: 09/13/95 17:19:46
Comment: SOIL STD @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0208	30.62	.1135	.3763	.3753	.0032	.0941
SDev	.0017	.41	.0101	.0039	.0063	.0000	.0060
%RSD	8.201	1.352	8.910	1.045	1.672	.8818	6.417
#1	.0189	31.09	.1113	.3808	.3824	.0032	.0872
#2	.0213	30.46	.1245	.3732	.3729	.0032	.0980
#3	.0221	30.31	.1046	.3751	.3706	.0032	.0972

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.273	.0106	.1347	.0624	.0889	.0834	.0196
SDev	.091	.0013	.0092	.0003	.0029	.0015	.0015
%RSD	1.105	12.61	6.859	.5556	3.214	1.821	7.722
#1	8.378	.0092	.1247	.0623	.0898	.0846	.0180
#2	8.234	.0119	.1365	.0621	.0857	.0839	.0200
#3	8.208	.0108	.1429	.0627	.0913	.0817	.0209

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0066	15.06	4562.	.0403	.0312	6.522	.6289
SDev	.0003	.18	69.	.0025	.0010	.063	.0070
%RSD	4.977	1.215	1.519	6.201	3.366	.9638	1.119
#1	.0063	15.27	4641.	.0374	.0324	6.595	.6370
#2	.0066	15.00	4537.	.0412	.0308	6.482	.6259
#3	.0069	14.92	4509.	.0422	.0304	6.489	.6239

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0247	6.256	.1209	8.767	.4578	.2905	.3293
SDev	.0002	.069	.0091	.112	.0133	.0073	.0283
%RSD	.9048	1.105	7.510	1.282	2.914	2.529	8.592
#1	.0245	6.335	.1113	8.893	.4721	.2820	.2983
#2	.0250	6.226	.1221	8.727	.4457	.2947	.3361
#3	.0247	6.208	.1293	8.679	.4556	.2948	.3536

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1612	.1036	.1179	127.8	.4988	.1002	.1157
SDev	.0129	.0057	.0011	1.7	.0417	.0015	.0131
%RSD	8.019	5.507	.9292	1.308	8.357	1.535	11.35
#1	.1465	.0986	.1166	129.7	.4507	.1020	.1035
#2	.1665	.1024	.1185	127.2	.5240	.0997	.1140
#3	.1706	.1098	.1185	126.5	.5217	.0991	.1296

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0405	1.288	.1509	1.845	.0624	.0813	.0140
SDev	.0022	.017	.0054	.107	.0003	.0132	.0007

%RSD	5.322	1.351	3.603	5.809	.5236	16.19	4.747
#1	.0380	1.307	.1561	1.722	.0621	.0811	.0132
#2	.0420	1.283	.1514	1.893	.0624	.0945	.0142
#3	.0414	1.273	.1452	1.920	.0627	.0682	.0145

Elem	Zn	Zr
Units	ppm	ppm
Avge	.0894	.0510
SDev	.0008	.0006
%RSD	.8532	1.267
#1	.0900	.0510
#2	.0885	.0504
#3	.0897	.0516

Analysis Report QC Standard Wed 09-13-95 05:25:20 PM page 1

Method: ICP1 Sample Name: MCVA 950728I901 Operator: DRS
Run Time: 09/13/95 17:24:01
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

PASS RDS 9/13/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4982	24.92	2.577	2.008	.5047	.0964	25.19
SDev	.0021	.08	.002	.008	.0014	.0002	.03
%RSD	.4293	.3374	.0709	.4005	.2781	.2438	.1315
#1	.4957	24.84	2.575	2.005	.5038	.0962	25.16
#2	.4997	25.01	2.577	2.002	.5063	.0966	25.23
#3	.4992	24.93	2.579	2.017	.5041	.0963	25.18
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	25.04	.4950	-.0365	1.021	1.015	.9977	-.0002
SDev	.06	.0063	.0033	.003	.004	.0041	.0002
%RSD	.2325	1.263	9.158	.3089	.3717	.4131	95.35
#1	24.98	.4882	-.0327	1.017	1.019	.9941	-.0004
#2	25.10	.5005	-.0389	1.023	1.015	.9969	-.0003
#3	25.03	.4963	-.0380	1.022	1.011	1.002	.0000
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value	25.00	.5000		1.000	1.000	1.000	
Range	2.500	.0500		.1000	.1000	.1000	

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	20.23	24.87	.0046	1.918	26.19	.5153
SDev	.0003	.04	.24	.0008	.013	.08	.0018
%RSD	15.30	.2193	.9812	17.89	.6861	.2897	.3497
#1	.0019	20.19	24.70	.0055	1.909	26.12	.5138
#2	.0016	20.28	25.15	.0043	1.933	26.27	.5173
#3	.0021	20.22	24.76	.0039	1.911	26.18	.5149
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	1.021	23.96	.0096	1.053	.0832	2.596	-.0172
SDev	.005	.16	.0029	.006	.0014	.011	.0082
%RSD	.5271	.6651	29.86	.5363	1.741	.4221	47.85
#1	1.017	23.90	.0125	1.047	.0816	2.584	-.0098
#2	1.027	24.15	.0068	1.057	.0837	2.606	-.0261
#3	1.019	23.84	.0093	1.056	.0843	2.596	-.0158
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	-.0032	2.525	2.567	18.87	-.0625	.5292	-.0018
SDev	.0037	.033	.011	.06	.0071	.0015	.0053
%RSD	115.2	1.320	.4244	.2993	11.43	.2756	292.6
#1	-.0074	2.487	2.555	18.81	-.0691	.5278	-.0002
#2	-.0015	2.541	2.575	18.92	-.0549	.5307	-.0077
#3	-.0006	2.548	2.572	18.87	-.0633	.5291	.0025
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK
Value		2.500	2.500	20.00		.5000	
Range		.2500	.2500	2.000		.0500	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0510	.9939	2.570	-.0226	1.006	.0340	-.0001
SDev	.0009	.0033	.008	.0270	.003	.0063	.0000
%RSD	1.707	.3322	.3139	119.2	.2490	18.53	13.14
#1	.0520	.9913	2.567	-.0384	1.004	.0401	-.0001
#2	.0504	.9976	2.563	-.0381	1.009	.0345	-.0001
#3	.0507	.9928	2.579	.0085	1.006	.0275	-.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	1.007	2.034
SDev	.001	.006
%RSD	.0972	.2710
#1	1.008	2.029
#2	1.006	2.040
#3	1.007	2.033
Errors	QC Pass	QC Pass
Value	1.000	2.000
Range	.1000	.2000

Analysis Report Wed 09-13-95 05:28:58 PM page

Method: ICP1 Sample Name: SST-ICS-2 9509081102 Operator: DRS
Run Time: 09/13/95 17:27:38
Comment: SOIL STD @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	91.33	.1628	.0108	.0027	.0011	.1037
SDev	.0022	.75	.0147	.0012	.0003	.0000	.0190
%RSD	34.33	.8169	9.010	11.39	10.24	1.749	18.27
#1	.0051	91.60	.1527	.0095	.0024	.0011	.0963
#2	.0088	90.48	.1797	.0120	.0029	.0012	.1253
#3	.0050	91.90	.1561	.0110	.0027	.0011	.0896

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0622	.0103	-.0636	.0163	.0400	-.0424	.0084
SDev	.0027	.0022	.0110	.0021	.0012	.0025	.0015
%RSD	4.289	21.82	17.29	12.66	3.007	5.906	18.24
#1	.0602	.0090	-.0742	.0152	.0412	-.0443	.0069
#2	.0652	.0128	-.0522	.0187	.0400	-.0396	.0099
#3	.0611	.0089	-.0645	.0150	.0388	-.0432	.0083

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0036	18.22	4093.	.0186	.0107	.3066	.0033
SDev	.0004	.05	55.	.0026	.0004	.0238	.0004
%RSD	9.978	.2871	1.345	13.66	3.767	7.747	12.53
#1	.0033	18.19	4114.	.0162	.0111	.2952	.0034
#2	.0040	18.18	4030.	.0213	.0107	.3339	.0037
#3	.0035	18.28	4134.	.0185	.0103	.2907	.0029

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0175	.3550	.0450	48.05	.1267	.2719	-.1788
SDev	.0021	.0121	.0107	.15	.0253	.0152	.0268
%RSD	12.15	3.422	23.83	.3059	19.93	5.577	14.98
#1	.0161	.3412	.0357	47.92	.1093	.2643	-.1925
#2	.0199	.3601	.0567	48.02	.1557	.2894	-.1479
#3	.0164	.3638	.0425	48.21	.1151	.2621	-.1960

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0662	.0561	.0915	.1173	.4095	.0014	.0627
SDev	.0149	.0062	.0187	.0102	.0306	.0001	.0084
%RSD	22.45	11.13	20.48	8.679	7.465	10.43	13.42
#1	.0557	.0498	.0791	.1094	.3743	.0012	.0536
#2	.0832	.0623	.1131	.1288	.4250	.0015	.0702
#3	.0596	.0562	.0823	.1137	.4292	.0014	.0642

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6997	.0053	.2425	45.67	.0127	.0866	.0074
SDev	.0126	.0008	.0132	.27	.0016	.0082	.0005

%RSD	1.801	14.40	5.432	.5922	12.64	9.520	7.249
#1	.6864	.0047	.2296	45.81	.0115	.0930	.0071
#2	.7115	.0062	.2421	45.36	.0145	.0773	.0080
#3	.7012	.0051	.2559	45.84	.0121	.0894	.0071

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0267	9.340
SDev	.0041	.048
%RSD	15.49	.5159
#1	-.0276	9.355
#2	-.0222	9.286
#3	-.0303	9.379

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Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/13/95 17:31:31
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Fail 1 1.1 DKS 9/14/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	-.1593	-.0094	.0048	.0004	.0003	.0055
SDev	.0010	.0094	.0039	.0016	.0002	.0000	.0118
%RSD	69.57	5.925	41.33	33.22	65.58	11.57	214.7
#1	.0026	-.1495	-.0131	.0043	.0005	.0003	.0157
#2	.0008	-.1601	-.0100	.0066	.0005	.0003	.0083
#3	.0009	-.1683	-.0053	.0035	.0001	.0003	-.0075
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	.0094	.0008	1.978	.0021	.0022	-.0041	1.988
SDev	.0010	.0009	.015	.0008	.0023	.0013	.015
%RSD	11.10	106.3	.7820	37.77	103.4	31.78	.7349
#1	.0105	-.0001	1.960	.0026	.0048	-.0031	1.972
#2	.0093	.0009	1.983	.0012	.0003	-.0056	1.999
#3	.0084	.0017	1.990	.0025	.0016	-.0037	1.994
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	1.971	.0051	-.0650	1.967	.0006	.0767	.0005
SDev	.014	.0013	.3098	.015	.0013	.0079	.0002
%RSD	.7293	25.23	476.2	.7747	217.0	10.33	36.18
#1	1.954	.0065	.2862	1.950	.0015	.0832	.0005
#2	1.980	.0041	-.1821	1.975	-.0009	.0790	.0006
#3	1.978	.0046	-.2992	1.977	.0011	.0679	.0003
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0155	1.966	.0113	-.0045	.0495	Q2.223
SDev	.0004	.0148	.021	.0039	.0240	.0076	.013
%RSD	222.2	95.43	1.074	34.26	530.7	15.26	.5758
#1	.0007	.0264	1.942	.0145	.0230	.0582	Q2.211
#2	.0000	.0216	1.976	.0123	-.0204	.0444	Q2.224
#3	-.0001	-.0014	1.980	.0070	-.0162	.0460	Q2.236
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail
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	2.045	-.0018	.0028	.0663	2.012	.0009	Q1.793
SDev	.016	.0096	.0050	.0021	.021	.0001	.008
%RSD	.7924	522.9	176.1	3.130	1.058	9.043	.4305
#1	2.026	.0018	.0040	.0683	2.007	.0010	Q1.784
#2	2.057	-.0127	.0072	.0663	1.994	.0008	Q1.798
#3	2.050	.0054	-.0026	.0642	2.036	.0008	Q1.797
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	4.992	.0003	-.0028	Q8.286	-.0021	Q.4924	.9624
SDev	.024	.0001	.0102	.040	.0006	.0141	.0057
%RSD	.4848	25.13	365.6	.4886	29.48	2.865	.5937
#1	4.964	.0003	.0073	Q8.241	-.0015	Q.4828	.9558
#2	5.008	.0002	-.0025	Q8.299	-.0027	Q.4859	.9651
#3	5.004	.0002	-.0131	Q8.319	-.0020	Q.5086	.9662
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	-.0157
SDev	.0006	.0010
%RSD	36.85	6.049
#1	.0015	-.0149
#2	.0011	-.0168
#3	.0023	-.0156
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Wed 09-13-95 05:36:59 PM page 1

Method: ICP1 Sample Name: MCVB 950911H901 Operator: DRS
Run Time: 09/13/95 17:35:39
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Pl. NH. Sample set ~ PASS DB 9/13/95

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	-.1658	.0031	.0029	.0000	.0003	-.0027
SDev	.0009	.0051	.0092	.0012	.0001	.0000	.0052
%RSD	99.03	3.063	298.0	41.39	169.3	10.09	189.2
#1	.0016	-.1642	-.0058	.0043	.0001	.0003	-.0002
#2	.0014	-.1618	.0024	.0026	.0001	.0003	-.0087
#3	-.0001	-.1715	.0127	.0019	-.0000	.0003	.0007
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0081	.0011	1.966	.0032	.0022	-.0073	1.977
SDev	.0008	.0017	.018	.0006	.0014	.0005	.025
%RSD	9.903	154.9	.9029	20.32	63.53	7.019	1.259
#1	.0078	.0021	1.946	.0033	.0034	-.0070	1.955
#2	.0090	.0021	1.972	.0037	.0006	-.0070	1.973
#3	.0075	-.0009	1.979	.0025	.0027	-.0079	2.004
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	1.964	.0034	-.4293	1.959	-.0005	.0831	.0005
SDev	.024	.0016	.2440	.021	.0026	.0029	.0002
%RSD	1.226	45.78	56.83	1.079	556.1	3.504	35.10
#1	1.941	.0047	-.1821	1.937	.0023	.0829	.0004
#2	1.961	.0040	-.4358	1.963	-.0009	.0860	.0006
#3	1.989	.0017	-.6699	1.978	-.0029	.0802	.0003
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	2.000			2.000			
Range	10.00			10.00			

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	.0096	1.959	.0070	-.0063	.0417	Q2.201
SDev	.0008	.0216	.022	.0027	.0188	.0052	.034
%RSD	48.54	226.4	1.134	39.10	297.4	12.57	1.544
#1	-.0024	.0172	1.935	.0088	.0125	.0438	2.162
#2	-.0008	.0263	1.963	.0085	-.0064	.0455	Q2.222
#3	-.0021	-.0149	1.979	.0039	-.0251	.0357	Q2.220
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Fail
Value			2.000				2.000

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Range			10.00				10.00
Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.030	-.0010	.0066	.0647	2.005	.0009	Q1.795
SDev	.012	.0071	.0077	.0026	.021	.0001	.016
%RSD	.5736	677.9	116.4	4.021	1.045	16.34	.8647
#1	2.018	-.0022	-.0022	.0626	2.008	.0010	Q1.781
#2	2.030	-.0075	.0119	.0676	2.025	.0010	Q1.794
#3	2.041	.0066	.0101	.0639	1.983	.0007	1.812
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	4.994	.0003	-.0166	Q8.218	-.0018	Q.5207	.9596
SDev	.051	.0004	.0046	.089	.0009	.0066	.0102
%RSD	1.012	128.1	27.50	1.077	50.59	1.274	1.062
#1	4.946	.0006	-.0195	Q8.319	-.0010	Q.5283	.9502
#2	4.988	.0004	-.0189	Q8.177	-.0017	Q.5178	.9583
#3	5.047	-.0001	-.0113	Q8.157	-.0028	Q.5160	.9705
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	.0009	-.0190
SDev	.0005	.0007
%RSD	56.25	3.846
#1	.0012	-.0183
#2	.0011	-.0198
#3	.0003	-.0189
Errors	NOCHECK	NOCHECK
Value		
Range		

Analysis Report QC Standard Wed 09-13-95 05:40:39 PM page 1

Method: ICP1 Sample Name: SRM-1643c 103668 Operator: DRS
Run Time: 09/13/95 17:39:20
Comment: (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0019	Q.0986	Q.0722	Q.1170	.0487	.0223	.0096
SDev	.0010	.0024	.0085	.0030	.0002	.0001	.0045
%RSD	53.35	2.403	11.76	2.598	.4238	.3023	46.59
#1	Q-.0029	Q.0984	Q.0627	Q.1148	.0489	.0224	.0048
#2	Q-.0018	Q.1011	Q.0747	Q.1205	.0488	.0223	.0136
#3	Q-.0009	Q.0964	Q.0791	Q.1157	.0485	.0223	.0103
Errors	QC Fail	QC Fail	QC Fail	QC Fail	QC Pass	QC Pass	NOCHECK
Value	.0022	.1146	.0821	.1190	.0496	.0232	
Range	13.60	4.500	1.500	1.200	6.250	9.500	

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q35.19	.0122	-.0177	Q.0221	Q.0210	.0203	-.0026
SDev	.03	.0014	.0080	.0007	.0005	.0011	.0004
%RSD	.0889	11.26	45.07	3.178	2.427	5.516	13.61
#1	Q35.23	Q.0109	-.0264	Q.0219	Q.0216	Q.0191	-.0030
#2	Q35.18	.0123	-.0108	Q.0216	Q.0207	.0207	-.0024
#3	Q35.17	Q.0136	-.0158	.0229	Q.0207	.0212	-.0024
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	.0004	Q.1158	Q1.535	.0034	Q.0115	Q9.755	.0347
SDev	.0003	.0001	.103	.0012	.0013	.029	.0003
%RSD	74.25	.0770	6.726	34.36	11.25	.2960	.7331
#1	.0001	Q.1159	Q1.418	.0022	Q.0106	Q9.784	.0350
#2	.0006	Q.1158	Q1.613	.0035	Q.0110	Q9.755	.0345
#3	.0006	Q.1158	Q1.574	.0046	Q.0130	Q9.726	.0347
Errors	NOCHECK	QC Fail	QC Fail	NOCHECK	QC Fail	QC Fail	QC Pass
Value		.1069	2.300		.0165	9.450	.0351
Range		2.800	10.00		6.100	2.850	6.300

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1005	11.98	-.0013	.0592	.0134	Q.0234	-.0412
SDev	.0019	.04	.0020	.0028	.0132	.0103	.0051
%RSD	1.907	.3328	159.5	4.708	98.87	44.26	12.34
#1	Q.0991	12.02	-.0035	.0561	.0063	Q.0116	-.0430
#2	Q.0996	11.97	-.0007	.0603	.0052	Q.0308	-.0354
#3	.1027	11.95	.0004	.0613	.0287	Q.0277	-.0451
Errors	QC Fail	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Fail	NOCHECK
Value	.1043	12.19		.0606		.0353	

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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	-.0198	-.0156	Q.0035	.0263	-.1003	Q.2701	-.0052
SDev	.0051	.0048	.0005	.0043	.0123	.0011	.0068
%RSD	25.92	31.07	12.92	16.27	12.31	.3945	130.7
#1	-.0256	-.0209	Q.0039	.0221	-.0883	Q.2713	-.0122
#2	-.0156	-.0114	Q.0037	.0306	-.0997	Q.2695	.0013
#3	-.0184	-.0144	Q.0030	.0263	-.1130	Q.2694	-.0046
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value			.0127			.2636	
Range			5.500			1.000	

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0050	.0070	Q-.0014	-.0684	Q.0265	.0061	-.0026
SDev	.0040	.0002	.0132	.0562	.0003	.0065	.0000
%RSD	81.36	3.325	972.9	82.15	.9933	107.2	1.422
#1	-.0096	.0070	Q-.0160	-.1327	Q.0265	.0016	-.0026
#2	-.0023	.0069	Q.0025	-.0288	Q.0268	.0030	-.0026
#3	-.0029	.0073	.0095	-.0436	Q.0263	.0135	-.0026
Errors	NOCHECK	NOCHECK	QC Fail	NOCHECK	QC Fail	NOCHECK	NOCHECK
Value			.0079		.0314		
Range			63.30		8.900		

Elem	Zn	Zr
Units	ppm	ppm
Avge	Q.0858	-.0024
SDev	.0008	.0005
%RSD	.9458	20.00
#1	Q.0863	-.0027
#2	Q.0849	-.0025
#3	Q.0863	-.0018
Errors	QC Fail	NOCHECK
Value	.0739	
Range	1.200	

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Method: ICP1 Sample Name: CCV1 950713H901 Operator: DRS
Run Time: 09/13/95 17:43:11
Comment: SOIL STD @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	1.917	1.984	1.950	.9869	.9781	1.975
SDev	.0005	.008	.007	.013	.0021	.0029	.011
%RSD	59.12	.3916	.3325	.6782	.2162	.2911	.5360
#1	-.0011	1.910	1.990	1.962	.9885	.9799	1.986
#2	-.0010	1.925	1.985	1.952	.9877	.9796	1.974
#3	-.0003	1.915	1.977	1.936	.9844	.9748	1.965

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.918	.9728	-.0045	1.016	.5087	2.004	-.0003
SDev	.003	.0068	.0009	.003	.0044	.004	.0005
%RSD	.1402	.6971	20.66	.3015	.8621	.1878	210.3
#1	1.917	.9773	-.0042	1.016	.5039	2.007	-.0008
#2	1.921	.9650	-.0038	1.019	.5099	2.004	-.0003
#3	1.916	.9761	-.0056	1.013	.5125	2.000	.0003

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	1.969	4.852	.0010	2.044	2.062	1.011
SDev	.0000	.008	.089	.0019	.006	.007	.002
%RSD	4.965	.4109	1.843	183.2	.2840	.3469	.1696
#1	.0004	1.972	4.755	-.0011	2.039	2.069	1.011
#2	.0004	1.976	4.872	.0024	2.043	2.061	1.012
#3	.0004	1.960	4.930	.0017	2.051	2.055	1.009

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.955	8.313	-.0018	2.049	4.665	2.029	.0017
SDev	.003	.048	.0042	.007	.033	.016	.0077
%RSD	.1560	.5717	230.6	.3176	.7069	.8022	461.9
#1	1.959	8.328	-.0063	2.042	4.653	2.011	-.0071
#2	1.953	8.259	.0019	2.051	4.702	2.041	.0073
#3	1.955	8.351	-.0011	2.055	4.639	2.037	.0048

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0052	1.965	4.969	-.0255	2.070	-.0180
SDev	.0035	.0047	.035	.007	.0094	.005	.0052
%RSD	844.6	89.26	1.800	.1415	36.79	.2517	29.06
#1	-.0038	-.0011	2.005	4.977	-.0148	2.074	-.0192
#2	-.0007	-.0103	1.937	4.969	-.0292	2.072	-.0225
#3	.0032	-.0043	1.954	4.962	-.0325	2.064	-.0123

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	-.0001	1.958	-.0298	.9622	.0110	-.0002
SDev	.0030	.0001	.025	.0207	.0014	.0082	.0002

%RSD	76.38	167.5	1.259	69.42	.1402	74.57	93.60
#1	.0056	-.0002	1.969	-.0536	.9627	.0018	-.0003
#2	.0005	-.0001	1.974	-.0199	.9632	.0174	.0000
#3	.0058	.0001	1.929	-.0159	.9607	.0138	-.0003

Elem	Zn	Zr
Units	ppm	ppm
Avge	1.009	-.0011
SDev	.002	.0002
%RSD	.2083	18.99
#1	1.009	-.0012
#2	1.011	-.0009
#3	1.007	-.0013

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Method: ICP1 Sample Name: STD1-Blank 108444 Operator: DRS
Run Time: 09/13/95 17:46:41
Comment: SOIL STD @2X DIL SLUDGE (KOH/Ni FUSION) K.SILVERS
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	As	B	Ba	Be	Bi
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0026	-.0089	-.0139	.0028	-.0003	.0001	-.0052
SDev	.0006	.0034	.0087	.0014	.0001	.0000	.0082
%RSD	22.69	37.99	62.66	51.04	50.51	12.68	157.9
#1	-.0021	-.0121	-.0196	.0019	-.0003	.0001	-.0019
#2	-.0025	-.0054	-.0039	.0044	-.0001	.0001	.0009
#3	-.0032	-.0092	-.0181	.0021	-.0004	.0001	-.0145

Elem	Ca	Cd	Ce	Co	Cr	Cu	Dy
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0049	-.0013	-.0169	-.0002	-.0004	.0011	-.0017
SDev	.0017	.0007	.0043	.0003	.0019	.0022	.0009
%RSD	34.66	53.39	25.11	172.1	466.6	196.8	51.74
#1	.0044	-.0007	-.0190	.0002	-.0001	.0014	-.0018
#2	.0067	-.0011	-.0120	-.0004	-.0025	.0032	-.0008
#3	.0034	-.0020	-.0198	-.0003	.0013	-.0012	-.0025

Elem	Eu	Fe	K	La	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	-.0018	-.8260	-.0032	-.0021	-.0005	-.0002
SDev	.0002	.0007	.1187	.0008	.0007	.0035	.0001
%RSD	24.18	37.96	14.37	25.45	32.49	740.6	67.33
#1	-.0007	-.0021	-.8846	-.0036	-.0029	-.0023	-.0002
#2	-.0005	-.0010	-.6895	-.0023	-.0017	.0036	-.0003
#3	-.0008	-.0022	-.9041	-.0037	-.0017	-.0027	-.0000

Elem	Mo	Na	Nd	Ni	P	Pb	Pd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	-.0148	-.0108	.0006	.0034	-.0078	-.0313
SDev	.0002	.0092	.0031	.0009	.0055	.0025	.0061
%RSD	36.27	62.09	28.36	150.4	158.7	32.32	19.58
#1	-.0008	-.0240	-.0132	-.0003	.0036	-.0069	-.0360
#2	-.0008	-.0150	-.0074	.0015	.0088	-.0058	-.0244
#3	-.0004	-.0056	-.0119	.0005	-.0021	-.0106	-.0336

Elem	Rh	Sb	Se	Si	Sn	Sr	Te
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0180	-.0097	-.0106	.0052	-.0507	.0008	-.0149
SDev	.0024	.0054	.0087	.0025	.0118	.0001	.0079
%RSD	13.19	55.58	82.20	48.02	23.37	8.310	53.16
#1	-.0207	-.0148	-.0091	.0023	-.0616	.0008	-.0083
#2	-.0171	-.0040	-.0027	.0065	-.0381	.0009	-.0127
#3	-.0162	-.0104	-.0200	.0068	-.0523	.0008	-.0237

Elem	Th	Ti	Tl	U	V	W	Y
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	-.0011	-.0064	-.2326	-.0016	.0007	-.0009
SDev	.0039	.0004	.0027	.0805	.0003	.0095	.0002

Analysis Report

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%RSD	855.9	35.29	42.30	34.60	17.23	1391.	23.92
#1	-.0030	-.0013	-.0092	-.2038	-.0015	.0053	-.0012
#2	-.0003	-.0006	-.0038	-.1705	-.0014	.0070	-.0008
#3	.0047	-.0012	-.0064	-.3236	-.0019	-.0102	-.0007

Elem	Zn	Zr
Units	ppm	ppm
Avge	-.0002	-.0020
SDev	.0002	.0006
%RSD	101.4	31.94
#1	-.0004	-.0020
#2	.0000	-.0014
#3	-.0003	-.0027

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